APPENDIX L:
WATER QUALITY INFORMATION

Mid-Barataria Sediment Diversion Project Draft EIS

Appendix L: Delft Water Quality Data Tables

November 11, 2019

US Army Corps of Engineers
New Orleans District

GEC

MID-BARATARIA SEDIMENT DIVERSION EIS

WATER QUALITY APPENDIX

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1.0 DEFINITIONS OF ABBREVIATIONS

Table 1. Definitions of Abbreviations used in Delft Modeling Data Tables[1]	
Abbreviation	**Definition**
EIS Alternatives	
PR1	No Action Alternative
PR2	50,000 cfs Alternative
PR3	50,000 cfs + Terraces Alternatives
PR4	75,000 cfs Alternative (Applicant's Preferred)
PR5	75,000 cfs + Terraces Alternative
PR6	150,000 cfs Alternative
PR7	150,000 cfs + Terraces Alternative
PR8	150,000 cfs + Terraces Alternative with the addition of future foreseeable projects
PR9	No Action Alternative with the addition of future foreseeable projects
Decade of 50-year Operational Period (2020-2070)	
cycle (cy)0	2020 - 2029
cycle (cy)1	2030 - 2039
cycle (cy)2	2040 - 2049
cycle (cy)3	2050 - 2059
cycle (cy)4	2060 - 2070
cycle (cy)5	2070[2]
Historical Representative Hydrograph for Each Decade	
1970	2020 - 2029
1975	2030 - 2039
1985	2040 - 2049
2002	2050 - 2059
2008	2060 - 2070
2008	2070[3]
Hydrographs Representing Various Mississippi River Flow Scenarios	
1994	high, consistent spring flow
2006	low, multiple peak spring flow
2010	high, multiple peak spring flow
2011	high flood, late spring flood flow
Additional Acronyms	
FWP	Future conditions with the Project operating
FWOP	Future conditions without the Project operating
FWP - FWOP	The difference between future conditions with and without the Project operating

[1] For additional information about the Delft model, see Appendix E of the EIS

[2] This scenario was run to evaluate the final impact of the 50 years of land building on the hydrographs for salinity and other water quality parameters.

[3] Ibid.

Note: USGS Station 73802515 (Hackberry Bay) is incorrectly listed in the tables and should instead be Station 73802512.

2.0 SALINITY DATA TABLES

V3PR1_HYST - cy 0 - 1970 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	17	13	11	9	7	11	20	16	16	20	18
HWQ-08- At the Outfall	1	3	2	3	3	3	1	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	4	3	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	2	4	4	3	1	3	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	12	10	5	6	5	4	2	10	6	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	6	6	2	6	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	20	16	14	11	11	16	23	21	21	23	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	14	10	8	5	5	5	10	12	13	16	15
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	6	6	3	3	3	1	1	2	6	8	9	11
CRMS 0224	9	10	6	6	5	3	2	4	6	7	10	10
CRMS 0163	1	1	1	0	0	1	2	5	4	2	2	2
CRMS 0162	7	17	8	4	0	0	0	1	3	11	3	1

V3PR2_HYST - cy 0 - 1970 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	15	12	5	3	1	2	9	19	16	15	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	2	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	5	4	0	1	0	0	1	9	5	6	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	2	1	1	1	1	1	5	3	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	20	17	11	9	5	6	15	23	20	20	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	12	12	8	7	3	3	3	9	12	13	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	0	0	0	4	6	6	6
CRMS 0224	3	3	0	1	0	0	0	2	5	6	7	6
CRMS 0163	2	1	1	1	0	1	3	7	4	2	1	2
CRMS 0162	7	17	10	3	0	0	0	1	3	12	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-6	-8	-8	-7	-5	-2	-1	0	-1	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-1	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-4	-3	-2	-1	-2	-4	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-4	-2	-3	-4	-3	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-6	-6	-4	-5	-5	-4	-1	-2	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-2	-4	-6	-5	-1	-1	-1	-1	0	-1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-3	-4	-5	-6	-6	-5	-1	-1	0	-1	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-4	-2	-2	-1	-1	-2	-2	-2	0	0	0	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-4	-5	-3	-3	-2	-1	-1	-1	-2	-2	-3	-5
CRMS 0224	-6	-6	-5	-5	-5	-3	-2	-2	-1	-2	-2	-4
CRMS 0163	0	0	0	1	0	0	1	2	1	0	-1	0
CRMS 0162	0	0	2	-1	0	0	0	-1	0	1	0	0

Figure WQ SAL 1 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	14	9	8	7	7	13	18	15	18	22	18
HWQ-08- At the Outfall	1	2	2	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	2	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	3	4	3	3	2	3	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	12	9	4	5	4	4	5	9	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	5	6	4	6	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	15	12	11	9	12	17	21	20	23	25	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	4	3	5	7	10	12	15	19	14
CRMS 3985	0	0	0	0	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	2	6	8	11	7
CRMS 0224	8	9	5	4	4	3	3	4	6	7	11	11
CRMS 0163	2	1	0	0	0	1	2	3	3	4	4	2
CRMS 0162	2	1	0	0	0	0	0	0	2	11	10	9

V3PR2_HYST - cy 0 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	17	4	2	1	1	4	11	17	15	17	21	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	5	0	0	0	0	0	2	7	5	6	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	1	0	0	0	1	1	5	3	2	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	21	9	5	5	3	9	16	20	20	22	24	17
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	6	3	3	2	4	5	8	12	15	18	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	0	0	0	0	0	0	0	4	6	7	3
CRMS 0224	4	0	0	0	0	0	0	1	4	5	8	5
CRMS 0163	3	1	0	0	0	1	1	2	3	4	4	2
CRMS 0162	3	1	0	0	0	0	0	0	2	13	11	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-9	-7	-7	-6	-3	-2	-1	0	-1	-1	-5
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-2	-2	-1	-2	-4	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-5	-3	-4	-3	-2	-2	-2	-1	-2	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-6	-9	-4	-4	-4	-3	-3	-2	0	-2	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-5	-2	-4	-5	-4	-3	-1	0	-1	0	-3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-2	-6	-6	-6	-5	-3	-1	-1	0	-1	0	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-3	-2	-2	-1	-1	-1	-2	-2	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-4	-3	-2	-1	-1	-1	-2	-2	-2	-4	-4
CRMS 0224	-4	-9	-5	-4	-3	-2	-2	-2	-2	-2	-4	-6
CRMS 0163	0	-1	0	0	0	0	-1	-1	0	0	0	0
CRMS 0162	0	1	0	0	0	0	0	0	0	1	1	-6

Figure WQ SAL 2 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	16	14	12	11	10	15	21	17	17	20	17
HWQ-08- At the Outfall	1	3	2	3	3	3	2	1	2	3	3	3
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	4	3	2	1	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	1	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	2	4	3	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	13	11	5	6	5	5	4	11	7	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	7	3	7	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	19	18	16	15	15	20	24	22	22	22	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	18	11	11	9	9	9	8	12	14	14	16	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	6	6	5	4	4	3	2	7	10	7	5
CRMS 0224	9	11	6	7	7	4	3	4	7	8	10	9
CRMS 0163	6	3	3	4	4	3	4	5	6	3	3	2
CRMS 0162	10	3	2	3	2	2	2	2	3	11	6	2

V3PR2_HYST - cy 0 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	9	11	9	5	8	15	20	16	17	19	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	1	1	1	0	1	1	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	10	2	2	3	1	2	3	10	6	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	2	1	3	2	4	3	6	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	15	16	13	11	14	20	24	21	22	22	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	16	9	10	9	8	8	7	10	13	14	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	1	1	2	1	1	0	0	4	7	5	3
CRMS 0224	8	2	1	2	3	1	1	3	5	6	7	5
CRMS 0163	6	3	2	4	4	4	3	5	5	3	1	2
CRMS 0162	11	4	3	3	1	1	2	2	3	10	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-7	-2	-4	-6	-2	-1	-1	-1	0	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-4	-3	-2	-1	-3	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-1	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-6	-2	-3	-3	-2	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-9	-3	-4	-4	-3	-1	-1	-1	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-4	-1	-2	-4	-3	0	-1	-1	0	0	-1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-4	-2	-3	-4	-1	0	-1	-1	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	-2	-1	0	0	-1
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	-2	-5	-5	-3	-3	-3	-3	-2	-2	-2	-2	-2
CRMS 0224	-2	-9	-5	-4	-4	-3	-2	-2	-2	-1	-3	-4
CRMS 0163	0	0	-1	0	0	0	-1	0	0	0	-2	0
CRMS 0162	0	1	1	1	-1	-1	0	0	0	-1	-4	-1

Figure WQ SAL 3 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	12	10	10	9	7	8	14	12	16	22	19
HWQ-08- At the Outfall	1	2	2	3	3	3	1	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	3	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	5	3	4	4	3	1	3	2	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	11	8	5	6	6	4	2	6	4	7	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	3	5	7	6	2	5	3	4	5	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	20	14	13	12	12	10	13	17	17	21	25	23
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	7	6	5	5	4	5	7	9	12	18	17
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	5	4	2	3	2	1	1	1	3	6	9	10
CRMS 0224	8	8	5	5	5	4	2	3	4	6	11	11
CRMS 0163	1	0	0	0	1	0	0	1	1	2	2	4
CRMS 0162	0	0	0	0	0	0	0	0	0	1	2	3

V3PR2_HYST - cy 0 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	10	3	3	2	2	1	2	8	11	15	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	2	0	0	0	0	0	0	1	3	5	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	1	0	0	1	1	0	1	2	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	15	8	8	6	6	5	8	14	16	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	9	5	4	4	4	2	1	3	8	12	18	16
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	5	6	5
CRMS 0224	1	0	0	0	1	0	0	0	2	4	7	6
CRMS 0163	1	0	0	0	0	0	0	1	1	2	3	3
CRMS 0162	0	0	0	0	0	0	0	0	0	1	1	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-8	-9	-7	-8	-7	-5	-6	-6	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-3	-1	-1	-1	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-3	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-5	-3	-4	-4	-3	-1	-2	-1	-2	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-9	-8	-4	-5	-5	-4	-2	-6	-1	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-4	-2	-5	-6	-5	-2	-4	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-1	0	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-6	-6	-6	-6	-5	-5	-4	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-2	-2	-1	-1	-2	-3	-4	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-5	-4	-2	-2	-2	-1	-1	-1	-1	-2	-3	-5
CRMS 0224	-8	-8	-5	-5	-5	-4	-2	-2	-2	-2	-3	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	0	1	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	-1	-1

Figure WQ SAL 4 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	19	12	9	7	5	9	15	12	16	22	16
HWQ-08- At the Outfall	1	3	2	3	3	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	3	2	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	3	4	4	3	2	3	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	12	5	5	5	4	3	7	4	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	25	22	15	12	9	8	13	18	17	21	25	18
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	16	10	5	3	2	4	8	9	13	19	11
CRMS 3985	0	0	0	0	1	1	1	1	0	0	0	0
CRMS 0258	7	10	5	3	2	1	1	1	4	7	9	6
CRMS 0224	9	12	7	5	4	3	2	3	5	5	11	11
CRMS 0163	5	4	4	2	0	0	0	1	1	3	5	1
CRMS 0162	8	18	13	0	0	0	0	0	2	10	9	2

V3PR2_HYST - cy 0 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	17	4	2	1	1	2	12	12	15	21	6
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	4	0	0	0	0	0	1	1	1	6	0
USGS7380251 Barataria Bay North of Grand Isle	10	8	1	0	0	0	0	3	4	5	11	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	4	1	1	1	1	0	2	2	2	5	1
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	21	9	6	4	3	7	17	17	21	24	12
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	15	9	4	2	1	1	4	9	13	18	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	5	1	0	0	0	0	0	3	5	6	1
CRMS 0224	7	7	2	0	0	0	0	0	3	4	7	3
CRMS 0163	5	4	4	1	0	0	0	1	1	3	5	2
CRMS 0162	8	18	13	1	1	0	0	0	1	8	2	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-8	-7	-6	-5	-7	-3	0	-1	-1	-10
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-3	-2	-2	-1	-2	-3	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-2	-2	-1	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-3	-2	-4	-4	-3	-2	-3	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-4	-5	-5	-4	-3	-5	0	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-1	-4	-5	-5	-3	-4	-1	-1	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-6	-6	-6	-5	-5	-2	0	-1	-1	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-2	-1	-1	-1	-3	-3	0	0	-1	-2
CRMS 3985	0	0	0	0	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-5	-4	-3	-2	-1	-1	-1	-2	-1	-3	-5
CRMS 0224	-2	-4	-5	-5	-4	-3	-2	-3	-2	-1	-4	-8
CRMS 0163	0	0	0	-1	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	1	0	0	0	0	-1	-2	-8	-1

Figure WQ SAL 5 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1970 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	17	13	11	9	7	11	20	16	16	20	18
HWQ-08- At the Outfall	1	3	2	3	3	3	1	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	4	3	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	2	4	4	3	1	3	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	12	10	5	6	5	4	2	10	6	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	6	6	2	6	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	20	16	14	11	11	16	23	21	21	23	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	14	10	8	5	5	5	10	12	13	16	15
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	6	6	3	3	3	1	1	2	6	8	9	11
CRMS 0224	9	10	6	6	5	3	2	4	6	7	10	10
CRMS 0163	1	1	1	0	0	1	2	5	4	2	2	2
CRMS 0162	7	17	8	4	0	0	0	1	3	11	3	1

V3PR3_HYST - cy 0 - 1970 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	15	12	5	3	1	2	10	19	15	15	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	2	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	5	4	0	1	0	0	1	9	5	6	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	2	1	1	1	1	1	5	3	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	20	17	11	9	5	6	15	23	20	21	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	12	12	8	7	4	3	3	9	12	13	15	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	0	0	0	4	6	6	6
CRMS 0224	3	3	0	1	0	0	0	2	5	5	7	6
CRMS 0163	2	1	1	1	0	0	3	5	4	2	2	2
CRMS 0162	7	17	8	4	1	0	1	2	4	11	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-6	-8	-8	-7	-5	-2	-1	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-1	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-4	-3	-2	-1	-2	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-4	-2	-3	-4	-3	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-6	-6	-4	-5	-5	-4	-1	-2	-1	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-2	-4	-6	-5	-1	-1	-1	-1	0	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-3	-4	-5	-6	-6	-5	-1	-1	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-4	-2	-2	-1	-1	-2	-2	-2	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-4	-5	-3	-3	-2	-1	-1	-1	-2	-2	-3	-5
CRMS 0224	-6	-6	-5	-5	-5	-3	-2	-2	-1	-2	-2	-4
CRMS 0163	0	0	0	1	0	0	1	0	0	0	0	0
CRMS 0162	0	0	0	0	1	0	0	1	1	0	0	0

Figure WQ SAL 6 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	14	9	8	7	7	13	18	15	18	22	18
HWQ-08- At the Outfall	1	2	2	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	2	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	3	4	3	3	2	3	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	12	9	4	5	4	4	5	9	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	5	6	4	6	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	15	12	11	9	12	17	21	20	23	25	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	4	3	5	7	10	12	15	19	14
CRMS 3985	0	0	0	0	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	2	6	8	11	7
CRMS 0224	8	9	5	4	4	3	3	4	6	7	11	11
CRMS 0163	2	1	0	0	0	1	2	3	3	4	4	2
CRMS 0162	2	1	0	0	0	0	0	0	2	11	10	9

V3PR3_HYST - cy 0 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	16	4	2	1	1	4	11	17	14	17	21	12
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	2	2	2	7	2
USGS7380251 Barataria Bay North of Grand Isle	5	0	0	0	0	0	2	7	5	6	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	1	0	0	0	1	1	5	3	2	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	21	9	5	5	3	9	16	20	19	22	24	17
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	6	3	3	2	4	5	8	12	15	18	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	0	0	0	0	0	0	0	4	6	7	3
CRMS 0224	4	0	0	0	0	0	0	1	4	5	8	5
CRMS 0163	3	1	0	0	0	1	1	3	3	4	4	1
CRMS 0162	3	1	0	0	0	0	0	0	2	11	9	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-9	-7	-7	-6	-3	-2	-1	0	-1	-1	-5
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-2	-2	-1	-2	-4	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-5	-3	-4	-3	-2	-2	-2	-1	-2	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-6	-9	-4	-4	-4	-3	-3	-2	0	-2	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-5	-2	-4	-5	-4	-3	-1	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-2	-6	-6	-6	-6	-3	-1	-1	0	-1	-1	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-3	-2	-2	-1	-1	-1	-2	-2	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-4	-3	-2	-1	-1	-1	-2	-2	-2	-4	-4
CRMS 0224	-4	-9	-5	-4	-3	-2	-2	-2	-2	-2	-3	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	-2	-6

Figure WQ SAL 7 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	16	14	12	11	10	15	21	17	17	20	17
HWQ-08- At the Outfall	1	3	2	3	3	3	2	1	2	3	3	3
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	4	3	2	1	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	1	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	2	4	3	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	13	11	5	6	5	5	4	11	7	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	7	3	7	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	19	18	16	15	15	20	24	22	22	22	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	18	11	11	9	9	9	8	12	14	14	16	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	6	6	5	4	4	3	2	7	10	7	5
CRMS 0224	9	11	6	7	7	4	3	4	7	8	10	9
CRMS 0163	6	3	3	4	4	3	4	5	6	3	3	2
CRMS 0162	10	3	2	3	2	2	2	2	3	11	6	2

V3PR3_HYST - cy 0 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	9	11	9	5	7	15	20	17	17	19	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	1	1	1	0	1	1	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	10	2	2	3	1	2	3	10	6	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	2	1	3	2	4	3	6	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	1	1	1	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	25	15	16	13	11	14	20	24	21	22	22	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	16	9	10	8	8	8	7	11	14	14	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	1	1	1	1	1	0	0	4	8	5	3
CRMS 0224	8	2	1	2	3	2	1	3	5	6	7	5
CRMS 0163	6	3	2	4	4	2	4	7	6	3	3	2
CRMS 0162	11	4	3	3	2	2	3	3	2	2	2	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-7	-3	-4	-6	-2	-1	-1	-1	0	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-4	-3	-2	-1	-2	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-1	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-6	-2	-3	-3	-2	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-9	-3	-4	-4	-3	-1	-2	-1	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-4	-1	-2	-3	-3	0	-1	0	0	-1	-1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-4	-2	-3	-4	-2	0	-1	-1	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	-2	-1	0	0	-1
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	-2	-5	-5	-3	-3	-3	-3	-2	-2	-2	-2	-2
CRMS 0224	-2	-9	-5	-4	-4	-3	-2	-2	-2	-2	-3	-4
CRMS 0163	0	0	-1	0	0	-1	0	1	0	0	0	0
CRMS 0162	0	1	1	1	0	0	1	1	-1	-8	-5	-1

Figure WQ SAL 8 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	12	10	10	9	7	8	14	12	16	22	19
HWQ-08- At the Outfall	1	2	2	3	3	3	1	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	3	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	5	3	4	4	3	1	3	2	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	11	8	5	6	6	4	2	6	4	7	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	3	5	7	6	2	5	3	4	5	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	20	14	13	12	12	10	13	17	17	21	25	23
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	7	6	5	5	4	5	7	9	12	18	17
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	5	4	2	3	2	1	1	1	3	6	9	10
CRMS 0224	8	8	5	5	5	4	2	3	4	6	11	11
CRMS 0163	1	0	0	0	1	0	0	1	1	2	2	4
CRMS 0162	0	0	0	0	0	0	0	0	0	1	2	3

V3PR3_HYST - cy 0 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	10	3	3	2	2	1	2	8	11	15	21	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	2	0	0	0	0	0	0	1	3	6	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	1	0	0	1	1	0	1	2	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	15	8	8	6	6	5	8	14	16	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	9	5	4	4	4	2	1	3	8	12	17	16
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	5	6	5
CRMS 0224	1	0	0	0	1	0	0	0	2	4	7	6
CRMS 0163	1	0	0	0	1	0	0	1	1	2	3	3
CRMS 0162	0	0	0	0	0	0	0	0	1	9	7	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-8	-8	-7	-8	-7	-5	-6	-6	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-3	-1	-1	-1	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-3	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-5	-3	-4	-4	-3	-1	-2	-1	-2	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-9	-8	-4	-5	-5	-4	-2	-6	-1	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-4	-2	-5	-6	-5	-2	-4	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-1	0	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-6	-6	-6	-6	-5	-5	-4	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-2	-2	-1	-1	-2	-3	-4	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-4	-4	-2	-2	-2	-1	-1	-1	-2	-2	-3	-5
CRMS 0224	-8	-8	-5	-5	-5	-4	-2	-2	-2	-2	-4	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	0	1	0
CRMS 0162	0	0	0	0	0	0	0	0	1	8	5	2

Figure WQ SAL 9 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	19	12	9	7	5	9	15	12	16	22	16
HWQ-08- At the Outfall	1	3	2	3	3	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	3	2	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	3	4	4	3	2	3	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	12	5	5	5	4	3	7	4	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	25	22	15	12	9	8	13	18	17	21	25	18
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	16	10	5	3	2	4	8	9	13	19	11
CRMS 3985	0	0	0	0	1	1	1	1	0	0	0	0
CRMS 0258	7	10	5	3	2	1	1	1	4	7	9	6
CRMS 0224	9	12	7	5	4	3	2	3	5	5	11	11
CRMS 0163	5	4	4	2	0	0	0	1	1	3	5	1
CRMS 0162	8	18	13	0	0	0	0	0	2	10	9	2

V3PR3_HYST - cy 0 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	17	4	2	1	1	2	12	12	15	21	6
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	4	0	0	0	0	0	1	1	1	6	0
USGS7380251 Barataria Bay North of Grand Isle	10	8	1	0	0	0	0	3	4	5	11	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	4	1	1	1	1	0	2	2	2	5	1
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	21	10	6	4	3	7	17	17	21	25	12
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	15	9	4	2	1	1	5	9	13	18	9
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	5	1	0	0	0	0	0	3	5	6	1
CRMS 0224	8	7	2	0	0	0	0	0	3	4	7	3
CRMS 0163	5	4	2	0	0	0	0	1	1	3	5	1
CRMS 0162	8	18	13	1	0	0	0	0	0	2	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-8	-7	-6	-5	-7	-3	0	-1	-1	-10
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-3	-2	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-2	-2	-1	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-3	-2	-4	-4	-3	-2	-3	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-4	-5	-5	-4	-3	-5	0	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-1	-4	-5	-5	-3	-4	-1	-1	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-6	-6	-6	-4	-5	-2	0	-1	-1	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-2	-1	-1	-1	-3	-3	0	0	-1	-2
CRMS 3985	0	0	0	0	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-5	-4	-3	-2	-1	-1	-1	-2	-1	-3	-5
CRMS 0224	-2	-4	-5	-5	-4	-3	-2	-3	-2	-1	-4	-8
CRMS 0163	0	0	-2	-2	0	0	0	0	0	0	0	-1
CRMS 0162	0	0	-1	0	0	0	0	0	-2	-9	-7	-1

Figure WQ SAL 10 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1970 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	17	13	11	9	7	11	20	16	16	20	18
HWQ-08- At the Outfall	1	3	2	3	3	3	1	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	4	3	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	2	4	4	3	1	3	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	12	10	5	6	5	4	2	10	6	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	6	6	2	6	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	20	16	14	11	11	16	23	21	21	23	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	14	10	8	5	5	5	10	12	13	16	15
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	6	6	3	3	3	1	1	2	6	8	9	11
CRMS 0224	9	10	6	6	5	3	2	4	6	7	10	10
CRMS 0163	1	1	1	0	0	1	2	5	4	2	2	2
CRMS 0162	7	17	8	4	0	0	0	1	3	11	3	1

V3PR4_HYST - cy 0 - 1970 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	14	11	4	2	1	1	9	19	16	15	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	2	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	5	4	0	0	0	0	1	8	5	6	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	2	0	1	0	1	1	5	3	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	19	16	10	7	3	5	15	22	20	20	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	11	12	7	6	3	2	3	8	12	13	15	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	0	0	0	4	6	6	6
CRMS 0224	2	3	0	1	0	0	0	2	5	5	7	6
CRMS 0163	2	1	1	1	0	0	2	5	4	2	2	2
CRMS 0162	7	17	13	6	2	0	1	1	2	3	3	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-6	-6	-9	-9	-8	-6	-2	-1	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-1	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-4	-3	-2	-1	-2	-4	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-4	-2	-3	-4	-3	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-7	-6	-5	-5	-5	-4	-2	-2	-1	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-2	-4	-6	-5	-2	-1	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-4	-4	-7	-7	-8	-6	-2	-1	0	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-2	-3	-2	-2	-3	-2	-2	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-4	-5	-3	-3	-3	-1	-1	-1	-2	-2	-3	-5
CRMS 0224	-7	-7	-6	-5	-5	-3	-2	-2	-1	-2	-3	-4
CRMS 0163	0	0	0	1	0	0	0	0	0	0	0	-1
CRMS 0162	0	0	5	2	1	0	1	0	-1	-8	0	1

Figure WQ SAL 11 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	14	9	8	7	7	13	18	15	18	22	18
HWQ-08- At the Outfall	1	2	2	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	2	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	3	4	3	3	2	3	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	12	9	4	5	4	4	5	9	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	5	6	4	6	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	15	12	11	9	12	17	21	20	23	25	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	4	3	5	7	10	12	15	19	14
CRMS 3985	0	0	0	0	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	2	6	8	11	7
CRMS 0224	8	9	5	4	4	3	3	4	6	7	11	11
CRMS 0163	2	1	0	0	0	1	2	3	3	4	4	2
CRMS 0162	2	1	0	0	0	0	0	0	2	11	10	9

V3PR4_HYST - cy 0 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	15	3	1	1	0	4	11	17	15	17	21	11
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	2	2	2	7	2
USGS7380251 Barataria Bay North of Grand Isle	5	0	0	0	0	0	1	7	5	6	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	1	1	5	3	2	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	20	7	4	3	2	9	16	20	20	22	24	16
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	0	0
HWQ16 - Bayou Grand Liard	13	6	3	3	2	3	5	8	12	15	18	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	0	0	0	0	0	0	0	4	6	7	3
CRMS 0224	4	0	0	0	0	0	0	1	4	5	8	5
CRMS 0163	3	1	0	0	0	1	1	3	3	5	4	1
CRMS 0162	3	1	0	0	0	0	0	0	2	10	9	8

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-11	-8	-7	-6	-4	-3	-1	0	-1	-1	-6
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-2	-2	-1	-2	-4	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-6	-3	-4	-3	-3	-2	-2	-1	-2	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-7	-9	-4	-5	-4	-3	-3	-2	0	-2	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-5	-2	-4	-5	-5	-3	-1	0	-1	0	-3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-3	-8	-8	-7	-7	-3	-2	-1	0	-1	0	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-3	-2	-3	-1	-1	-2	-2	-2	0	0	-1	-2
CRMS 3985	0	0	0	0	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-4	-3	-2	-2	-1	-1	-2	-2	-2	-4	-4
CRMS 0224	-5	-9	-5	-4	-4	-3	-3	-2	-2	-2	-3	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	1	0	0
CRMS 0162	0	1	0	0	0	0	0	0	0	-1	-1	-1

Figure WQ SAL 12 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	16	14	12	11	10	15	21	17	17	20	17
HWQ-08- At the Outfall	1	3	2	3	3	3	2	1	2	3	3	3
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	4	3	2	1	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	1	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	2	4	3	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	13	11	5	6	5	5	4	11	7	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	7	3	7	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	19	18	16	15	15	20	24	22	22	22	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	18	11	11	9	9	9	8	12	14	14	16	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	6	6	5	4	4	3	2	7	10	7	5
CRMS 0224	9	11	6	7	7	4	3	4	7	8	10	9
CRMS 0163	6	3	3	4	4	3	4	5	6	3	3	2
CRMS 0162	10	3	2	3	2	2	2	2	3	11	6	2

V3PR4_HYST - cy 0 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	8	11	8	5	8	15	20	16	16	19	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	1	1	0	1	1	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	10	1	2	2	1	2	3	10	6	6	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	2	1	2	2	4	3	6	3	3	4	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	14	16	13	10	14	20	24	21	22	22	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	16	9	10	8	7	8	7	10	14	14	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	1	1	1	1	1	0	0	4	7	5	3
CRMS 0224	8	2	1	1	2	1	1	2	5	6	7	5
CRMS 0163	7	3	2	1	0	0	3	6	6	2	3	1
CRMS 0162	10	9	6	4	3	2	1	2	2	3	4	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-9	-3	-4	-6	-2	-1	-1	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-4	-3	-2	-1	-3	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-1	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-6	-2	-3	-3	-2	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-9	-3	-4	-4	-3	-1	-1	-1	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-4	-1	-3	-4	-3	-1	-1	-1	0	-1	-1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-5	-2	-3	-5	-1	0	-1	-1	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	-2	-1	0	0	0
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	-2	-5	-5	-4	-3	-3	-3	-2	-2	-2	-2	-2
CRMS 0224	-2	-10	-5	-5	-5	-3	-2	-2	-2	-1	-3	-4
CRMS 0163	0	0	0	-2	-4	-3	-1	1	1	-1	0	0
CRMS 0162	0	6	4	1	0	0	0	0	-1	-8	-3	2

Figure WQ SAL 13 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	12	10	10	9	7	8	14	12	16	22	19
HWQ-08- At the Outfall	1	2	2	3	3	3	1	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	3	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	5	3	4	4	3	1	3	2	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	11	8	5	6	6	4	2	6	4	7	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	3	5	7	6	2	5	3	4	5	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	20	14	13	12	12	10	13	17	17	21	25	23
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	7	6	5	5	4	5	7	9	12	18	17
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	5	4	2	3	2	1	1	1	3	6	9	10
CRMS 0224	8	8	5	5	5	4	2	3	4	6	11	11
CRMS 0163	1	0	0	0	1	0	0	1	1	2	2	4
CRMS 0162	0	0	0	0	0	0	0	0	0	1	2	3

V3PR4_HYST - cy 0 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	7	2	2	1	1	1	1	7	11	15	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	1	0	0	0	0	0	0	1	3	6	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	1	0	1	1	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	13	6	6	5	4	4	6	13	16	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	8	4	3	4	4	2	1	3	8	12	17	16
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	5	6	5
CRMS 0224	0	0	0	0	0	0	0	0	2	4	7	6
CRMS 0163	1	0	0	0	1	0	0	1	1	2	2	3
CRMS 0162	0	0	0	0	0	0	0	0	0	1	1	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-11	-10	-9	-9	-8	-6	-7	-7	-1	-1	-1	-3
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-3	-1	-1	-1	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-3	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-5	-3	-4	-4	-3	-1	-2	-1	-2	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-10	-8	-4	-6	-5	-4	-2	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-4	-2	-5	-6	-6	-2	-5	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-7	-8	-8	-8	-8	-6	-6	-5	-1	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-2	-3	-1	-2	-3	-4	-4	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-5	-4	-2	-2	-2	-1	-1	-1	-2	-2	-3	-5
CRMS 0224	-8	-8	-5	-5	-5	-4	-2	-2	-2	-2	-4	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-1	-1	-1

Figure WQ SAL 14 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	19	12	9	7	5	9	15	12	16	22	16
HWQ-08- At the Outfall	1	3	2	3	3	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	3	2	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	3	4	4	3	2	3	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	12	5	5	5	4	3	7	4	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	25	22	15	12	9	8	13	18	17	21	25	18
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	16	10	5	3	2	4	8	9	13	19	11
CRMS 3985	0	0	0	0	1	1	1	1	0	0	0	0
CRMS 0258	7	10	5	3	2	1	1	1	4	7	9	6
CRMS 0224	9	12	7	5	4	3	2	3	5	5	11	11
CRMS 0163	5	4	4	2	0	0	0	1	1	3	5	1
CRMS 0162	8	18	13	0	0	0	0	0	2	10	9	2

V3PR4_HYST - cy 0 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	17	3	1	0	0	1	12	12	15	21	4
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	4	0	0	0	0	0	1	1	1	6	0
USGS7380251 Barataria Bay North of Grand Isle	10	8	0	0	0	0	0	3	4	5	11	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	4	0	0	0	0	0	2	2	2	5	1
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	21	8	4	2	2	6	16	17	21	24	10
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	15	7	3	2	1	0	4	9	13	18	8
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	5	1	0	0	0	0	0	3	5	6	1
CRMS 0224	8	7	1	0	0	0	0	0	3	4	7	2
CRMS 0163	5	4	2	0	0	0	0	1	1	3	5	1
CRMS 0162	8	18	14	0	1	0	1	1	1	0	1	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-9	-8	-7	-5	-8	-3	0	-1	-1	-12
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-3	-2	-2	-1	-2	-3	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-2	-2	-1	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-3	-2	-4	-4	-3	-2	-3	-1	-1	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-4	-5	-5	-4	-3	-5	-1	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-2	-5	-6	-5	-3	-4	-1	-1	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-8	-8	-7	-5	-7	-2	0	-1	-1	-9
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-3	-2	-1	-2	-4	-3	0	0	-1	-3
CRMS 3985	0	0	0	0	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-3	-5	-4	-3	-2	-1	-1	-1	-2	-2	-3	-5
CRMS 0224	-2	-4	-6	-5	-4	-3	-2	-3	-2	-1	-4	-9
CRMS 0163	0	0	-2	-2	0	0	0	0	0	0	0	-1
CRMS 0162	0	0	1	0	0	0	1	1	-1	-10	-9	-1

Figure WQ SAL 15 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1970 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	17	13	11	9	7	11	20	16	16	20	18
HWQ-08- At the Outfall	1	3	2	3	3	3	1	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	4	3	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	2	4	4	3	1	3	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	12	10	5	6	5	4	2	10	6	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	6	6	2	6	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	20	16	14	11	11	16	23	21	21	23	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	14	10	8	5	5	5	10	12	13	16	15
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	6	6	3	3	3	1	1	2	6	8	9	11
CRMS 0224	9	10	6	6	5	3	2	4	6	7	10	10
CRMS 0163	1	1	1	0	0	1	2	5	4	2	2	2
CRMS 0162	7	17	8	4	0	0	0	1	3	11	3	1

V3PR5_HYST - cy 0 - 1970 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	14	11	4	2	1	1	9	19	15	16	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	2	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	5	4	0	0	0	0	1	9	5	6	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	2	0	1	0	1	1	5	3	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	19	16	10	7	3	5	15	23	20	21	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	11	12	7	6	3	2	3	9	12	13	15	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	0	0	0	4	6	6	6
CRMS 0224	3	3	0	1	0	0	0	2	5	6	7	6
CRMS 0163	2	1	1	3	2	1	3	5	4	2	2	2
CRMS 0162	7	17	9	4	1	0	0	0	2	11	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-6	-6	-9	-9	-8	-5	-2	-1	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-1	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-4	-3	-2	-1	-2	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-4	-2	-3	-4	-3	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-7	-6	-5	-5	-5	-4	-2	-2	-1	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-2	-4	-6	-5	-2	-1	-1	-1	0	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-4	-4	-7	-7	-8	-6	-1	-1	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-2	-3	-2	-2	-3	-2	-2	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-4	-5	-3	-3	-3	-1	-1	-1	-2	-2	-3	-5
CRMS 0224	-7	-7	-6	-5	-5	-3	-2	-2	-1	-2	-3	-4
CRMS 0163	0	0	0	3	2	0	1	0	0	0	0	0
CRMS 0162	0	0	1	0	1	0	0	-1	-1	0	0	0

Figure WQ SAL 16 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	14	9	8	7	7	13	18	15	18	22	18
HWQ-08- At the Outfall	1	2	2	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	2	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	3	4	3	3	2	3	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	12	9	4	5	4	4	5	9	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	5	6	4	6	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	15	12	11	9	12	17	21	20	23	25	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	4	3	5	7	10	12	15	19	14
CRMS 3985	0	0	0	0	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	2	6	8	11	7
CRMS 0224	8	9	5	4	4	3	3	4	6	7	11	11
CRMS 0163	2	1	0	0	0	1	2	3	3	4	4	2
CRMS 0162	2	1	0	0	0	0	0	0	2	11	10	9

V3PR5_HYST - cy 0 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	15	3	1	1	0	4	11	17	14	17	21	11
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	5	0	0	0	0	0	1	7	5	6	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	1	1	5	3	2	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	20	7	3	3	2	9	16	20	19	22	24	16
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	13	6	3	3	2	3	5	8	11	15	18	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	0	0	0	0	0	0	0	4	6	7	3
CRMS 0224	4	0	0	0	0	0	0	2	4	5	8	5
CRMS 0163	3	1	0	0	0	0	1	3	3	4	4	1
CRMS 0162	3	1	0	0	0	0	0	0	0	2	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-11	-8	-7	-6	-4	-2	-1	0	-1	-1	-6
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-2	-2	-1	-2	-3	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-6	-3	-4	-3	-3	-2	-2	-1	-2	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-7	-9	-4	-5	-4	-3	-3	-2	0	-2	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-5	-2	-4	-5	-5	-3	-1	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-3	-8	-8	-7	-7	-3	-2	-1	0	-1	0	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-3	-2	-3	-1	-1	-2	-2	-2	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-4	-3	-2	-2	-1	-1	-2	-2	-2	-4	-4
CRMS 0224	-5	-9	-5	-4	-4	-3	-3	-2	-2	-2	-3	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	1	0	0	0	0	0	0	-2	-9	-7	-7

Figure WQ SAL 17 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	16	14	12	11	10	15	21	17	17	20	17
HWQ-08- At the Outfall	1	3	2	3	3	3	2	1	2	3	3	3
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	4	3	2	1	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	1	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	2	4	3	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	13	11	5	6	5	5	4	11	7	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	7	3	7	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	19	18	16	15	15	20	24	22	22	22	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	18	11	11	9	9	9	8	12	14	14	16	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	6	6	5	4	4	3	2	7	10	7	5
CRMS 0224	9	11	6	7	7	4	3	4	7	8	10	9
CRMS 0163	6	3	3	4	4	3	4	5	6	3	3	2
CRMS 0162	10	3	2	3	2	2	2	2	3	11	6	2

V3PR5_HYST - cy 0 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	8	10	8	4	7	15	20	17	17	19	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	1	0	1	1	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	10	1	2	2	1	2	3	10	6	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	2	1	2	2	4	3	7	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	1	1	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	25	14	16	13	10	14	20	24	22	22	22	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	16	9	10	8	7	8	7	10	14	14	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	1	1	1	1	1	0	0	4	8	5	3
CRMS 0224	8	2	1	2	2	1	1	2	5	6	7	5
CRMS 0163	6	3	2	4	2	0	4	5	6	3	3	2
CRMS 0162	11	4	3	3	1	1	2	2	3	11	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-9	-3	-4	-6	-2	-1	-1	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-4	-3	-2	-1	-2	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-1	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-6	-2	-3	-3	-2	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-9	-3	-4	-4	-3	-1	-2	-1	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-4	-1	-3	-4	-3	-1	-1	0	0	0	-1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-5	-2	-3	-5	-2	0	-1	0	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	-2	-1	0	0	-1
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	-2	-5	-5	-3	-3	-3	-3	-2	-2	-2	-2	-2
CRMS 0224	-2	-10	-5	-5	-5	-3	-2	-2	-2	-1	-3	-4
CRMS 0163	0	0	-1	0	-2	-3	0	0	0	0	0	0
CRMS 0162	0	1	1	1	-1	-1	0	0	0	0	-3	-1

Figure WQ SAL 18 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	12	10	10	9	7	8	14	12	16	22	19
HWQ-08- At the Outfall	1	2	2	3	3	3	1	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	3	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	5	3	4	4	3	1	3	2	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	11	8	5	6	6	4	2	6	4	7	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	3	5	7	6	2	5	3	4	5	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	20	14	13	12	12	10	13	17	17	21	25	23
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	7	6	5	5	4	5	7	9	12	18	17
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	5	4	2	3	2	1	1	1	3	6	9	10
CRMS 0224	8	8	5	5	5	4	2	3	4	6	11	11
CRMS 0163	1	0	0	0	1	0	0	1	1	2	2	4
CRMS 0162	0	0	0	0	0	0	0	0	0	1	2	3

V3PR5_HYST - cy 0 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	7	2	2	1	1	1	1	7	11	15	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	1	0	0	0	0	0	0	1	3	5	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	1	0	1	1	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	13	6	6	4	4	4	6	13	16	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	8	4	3	4	4	2	1	3	8	12	17	16
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	5	6	5
CRMS 0224	0	0	0	0	0	0	0	0	2	4	7	6
CRMS 0163	1	0	0	0	0	0	0	1	1	2	2	3
CRMS 0162	0	0	0	0	0	0	0	0	0	0	1	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-11	-10	-9	-9	-8	-6	-7	-7	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-3	-1	-1	-1	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-3	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-5	-3	-4	-4	-3	-1	-2	-1	-2	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-10	-8	-5	-6	-5	-4	-2	-6	-1	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-4	-2	-5	-6	-6	-2	-5	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-7	-8	-8	-8	-8	-6	-6	-5	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-2	-3	-2	-2	-3	-4	-4	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-5	-4	-2	-2	-2	-1	-1	-1	-2	-2	-3	-5
CRMS 0224	-8	-8	-5	-5	-5	-4	-2	-2	-2	-2	-4	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	1	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-1	-1	-1

Figure WQ SAL 19 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	19	12	9	7	5	9	15	12	16	22	16
HWQ-08- At the Outfall	1	3	2	3	3	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	3	2	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	3	4	4	3	2	3	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	12	5	5	5	4	3	7	4	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	25	22	15	12	9	8	13	18	17	21	25	18
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	16	10	5	3	2	4	8	9	13	19	11
CRMS 3985	0	0	0	0	1	1	1	1	0	0	0	0
CRMS 0258	7	10	5	3	2	1	1	1	4	7	9	6
CRMS 0224	9	12	7	5	4	3	2	3	5	5	11	11
CRMS 0163	5	4	4	2	0	0	0	1	1	3	5	1
CRMS 0162	8	18	13	0	0	0	0	0	2	10	9	2

V3PR5_HYST - cy 0 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	17	3	1	0	0	1	12	12	15	21	4
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	4	0	0	0	0	0	1	1	2	6	0
USGS7380251 Barataria Bay North of Grand Isle	10	8	1	0	0	0	0	3	4	6	11	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	4	0	0	0	0	0	2	2	2	5	1
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	21	8	4	2	2	6	16	17	21	24	10
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	15	7	3	2	1	0	4	9	13	18	8
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	5	1	0	0	0	0	0	3	5	6	1
CRMS 0224	8	7	2	0	0	0	0	0	3	4	8	2
CRMS 0163	5	4	2	0	0	0	0	1	1	4	5	1
CRMS 0162	8	18	13	2	0	0	0	0	0	2	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-9	-8	-7	-5	-8	-3	0	-1	-1	-12
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-3	-2	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-2	-2	-1	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-3	-2	-4	-4	-3	-2	-3	-1	-1	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-4	-5	-5	-4	-3	-5	-1	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-2	-5	-6	-5	-3	-4	-1	-1	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-8	-8	-7	-6	-7	-2	0	0	-1	-9
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-3	-2	-1	-2	-4	-3	0	0	-1	-3
CRMS 3985	0	0	0	0	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-3	-5	-4	-3	-2	-1	-1	-1	-2	-1	-3	-5
CRMS 0224	-2	-4	-5	-5	-4	-3	-2	-3	-2	-1	-3	-9
CRMS 0163	0	0	-2	-2	0	0	0	0	0	0	0	-1
CRMS 0162	0	0	-1	1	0	0	0	0	-1	-8	-6	-1

Figure WQ SAL 20 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1970 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	17	13	11	9	7	11	20	16	16	20	18
HWQ-08- At the Outfall	1	3	2	3	3	3	1	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	4	3	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	2	4	4	3	1	3	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	12	10	5	6	5	4	2	10	6	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	6	6	2	6	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	20	16	14	11	11	16	23	21	21	23	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	14	10	8	5	5	5	10	12	13	16	15
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	6	6	3	3	3	1	1	2	6	8	9	11
CRMS 0224	9	10	6	6	5	3	2	4	6	7	10	10
CRMS 0163	1	1	1	0	0	1	2	5	4	2	2	2
CRMS 0162	7	17	8	4	0	0	0	1	3	11	3	1

V3PR6_HYST - cy 0 - 1970 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	11	9	2	0	0	0	9	19	15	15	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	2	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	3	3	0	0	0	0	1	8	5	6	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	2	0	0	0	0	0	5	3	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	16	15	6	3	1	3	14	22	20	21	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	10	11	5	5	2	1	2	8	12	13	15	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	0	0	0	4	6	6	6
CRMS 0224	2	2	0	0	0	0	0	2	5	5	7	6
CRMS 0163	2	2	1	1	1	1	2	5	4	2	3	2
CRMS 0162	7	17	12	2	1	1	2	2	4	11	9	7

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-9	-8	-11	-11	-9	-6	-3	-1	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-1	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-4	-3	-2	-1	-2	-4	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-4	-2	-3	-4	-3	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-8	-7	-5	-6	-5	-4	-2	-2	-1	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-4	-2	-5	-6	-6	-2	-1	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-2	-1	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-7	-6	-10	-11	-10	-8	-2	-1	0	-1	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-7	-3	-5	-3	-3	-4	-3	-2	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-4	-6	-3	-3	-3	-1	-1	-2	-2	-2	-3	-5
CRMS 0224	-8	-8	-6	-6	-5	-3	-2	-2	-1	-2	-3	-4
CRMS 0163	0	0	0	1	1	0	0	0	0	0	1	0
CRMS 0162	0	0	3	-2	1	0	2	1	1	0	6	6

Figure WQ SAL 21 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	14	9	8	7	7	13	18	15	18	22	18
HWQ-08- At the Outfall	1	2	2	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	2	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	3	4	3	3	2	3	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	12	9	4	5	4	4	5	9	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	5	6	4	6	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	15	12	11	9	12	17	21	20	23	25	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	4	3	5	7	10	12	15	19	14
CRMS 3985	0	0	0	0	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	2	6	8	11	7
CRMS 0224	8	9	5	4	4	3	3	4	6	7	11	11
CRMS 0163	2	1	0	0	0	1	2	3	3	4	4	2
CRMS 0162	2	1	0	0	0	0	0	0	2	11	10	9

V3PR6_HYST - cy 0 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	13	1	0	0	0	3	10	17	15	17	21	9
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	2	2	2	6	1
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	1	7	5	6	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	0	1	4	3	2	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	18	3	1	1	1	8	16	20	20	22	24	14
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	0	0
HWQ16 - Bayou Grand Liard	11	4	1	2	1	3	5	8	12	15	18	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	0	0	0	0	0	0	0	4	6	7	3
CRMS 0224	2	0	0	0	0	0	0	1	4	5	8	5
CRMS 0163	3	1	0	0	0	1	2	3	3	4	4	2
CRMS 0162	3	2	1	0	0	0	0	0	2	9	3	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-8	-13	-9	-8	-7	-4	-3	-1	0	-1	-1	-8
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-2	-2	-1	-2	-4	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-6	-3	-4	-3	-3	-2	-2	-1	-2	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-8	-9	-4	-5	-4	-4	-3	-2	0	-2	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-5	-2	-5	-5	-5	-3	-2	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-12	-11	-10	-8	-4	-2	-1	0	-1	-1	-7
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-4	-4	-3	-2	-2	-3	-2	0	0	-1	-3
CRMS 3985	0	0	0	0	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-5	-3	-2	-2	-1	-1	-2	-2	-2	-4	-4
CRMS 0224	-6	-9	-5	-4	-4	-3	-3	-2	-2	-2	-3	-6
CRMS 0163	0	0	0	0	0	1	0	-1	0	0	0	1
CRMS 0162	1	1	1	0	0	0	0	0	0	-2	-7	-7

Figure WQ SAL 22 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	16	14	12	11	10	15	21	17	17	20	17
HWQ-08- At the Outfall	1	3	2	3	3	3	2	1	2	3	3	3
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	4	3	2	1	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	1	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	2	4	3	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	13	11	5	6	5	5	4	11	7	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	7	3	7	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	19	18	16	15	15	20	24	22	22	22	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	18	11	11	9	9	9	8	12	14	14	16	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	6	6	5	4	4	3	2	7	10	7	5
CRMS 0224	9	11	6	7	7	4	3	4	7	8	10	9
CRMS 0163	6	3	3	4	4	3	4	5	6	3	3	2
CRMS 0162	10	3	2	3	2	2	2	2	3	11	6	2

V3PR6_HYST - cy 0 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	4	9	8	2	7	14	21	17	17	19	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	1	0	1	1	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	10	0	1	2	0	1	3	10	6	6	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	1	1	2	1	3	2	6	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	1	0	0	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	11	14	12	7	13	20	24	21	22	22	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	16	8	10	8	6	8	7	11	14	14	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	0	1	1	0	1	0	0	4	7	5	3
CRMS 0224	8	1	1	1	1	1	1	2	5	6	7	6
CRMS 0163	6	4	2	3	3	3	4	4	5	3	1	2
CRMS 0162	11	10	7	3	3	3	3	3	2	2	2	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-12	-5	-5	-8	-3	-1	-1	-1	0	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-4	-3	-2	-1	-3	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	0	-1	-1	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-6	-2	-3	-3	-2	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-10	-4	-4	-5	-3	-1	-1	-1	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-5	-1	-3	-5	-4	-1	-1	0	0	0	-1
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-8	-4	-4	-7	-2	-1	-1	-1	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-3	-2	-1	-3	-1	-1	-2	-1	0	0	-1
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	-3	-6	-5	-4	-3	-3	-3	-2	-2	-2	-2	-2
CRMS 0224	-2	-11	-5	-6	-5	-4	-2	-2	-2	-2	-3	-3
CRMS 0163	0	1	0	0	0	0	0	-1	-1	0	-2	0
CRMS 0162	0	7	5	1	1	1	1	1	-1	-8	-5	-1

Figure WQ SAL 23 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	12	10	10	9	7	8	14	12	16	22	19
HWQ-08- At the Outfall	1	2	2	3	3	3	1	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	3	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	5	3	4	4	3	1	3	2	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	11	8	5	6	6	4	2	6	4	7	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	3	5	7	6	2	5	3	4	5	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	20	14	13	12	12	10	13	17	17	21	25	23
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	7	6	5	5	4	5	7	9	12	18	17
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	5	4	2	3	2	1	1	1	3	6	9	10
CRMS 0224	8	8	5	5	5	4	2	3	4	6	11	11
CRMS 0163	1	0	0	0	1	0	0	1	1	2	2	4
CRMS 0162	0	0	0	0	0	0	0	0	0	1	2	3

V3PR6_HYST - cy 0 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	3	0	1	0	0	0	0	5	11	15	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	1	6	2
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	0	1	3	5	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	0	1	2	5	3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	8	2	3	2	2	2	4	11	16	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	5	3	2	3	2	1	0	2	8	12	17	16
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	5	6	5
CRMS 0224	0	0	0	0	0	0	0	0	2	4	7	6
CRMS 0163	2	1	0	0	0	0	0	1	1	2	3	4
CRMS 0162	1	1	0	0	0	0	0	0	0	0	2	8

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-16	-12	-10	-9	-9	-6	-8	-9	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-3	-1	-1	-1	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-3	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-2	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-5	-3	-4	-4	-3	-1	-3	-1	-2	-3	-3
USGS7380251 Barataria Bay North of Grand Isle	-11	-8	-5	-6	-5	-4	-2	-6	-2	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-5	-2	-5	-6	-6	-2	-5	-2	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	-1	-1	0	0
USGS073802516 Barataria Pass at Grand Isle	-13	-12	-11	-11	-10	-8	-9	-7	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-9	-4	-5	-3	-3	-4	-4	-5	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-5	-4	-2	-3	-2	-1	-1	-1	-2	-2	-4	-5
CRMS 0224	-8	-8	-5	-5	-5	-4	-2	-2	-2	-2	-3	-4
CRMS 0163	1	0	0	0	0	0	0	0	0	0	1	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-1	1	5

Figure WQ SAL 24 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	19	12	9	7	5	9	15	12	16	22	16
HWQ-08- At the Outfall	1	3	2	3	3	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	3	2	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	3	4	4	3	2	3	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	12	5	5	5	4	3	7	4	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	25	22	15	12	9	8	13	18	17	21	25	18
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	16	10	5	3	2	4	8	9	13	19	11
CRMS 3985	0	0	0	0	1	1	1	1	0	0	0	0
CRMS 0258	7	10	5	3	2	1	1	1	4	7	9	6
CRMS 0224	9	12	7	5	4	3	2	3	5	5	11	11
CRMS 0163	5	4	4	2	0	0	0	1	1	3	5	1
CRMS 0162	8	18	13	0	0	0	0	0	2	10	9	2

V3PR6_HYST - cy 0 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	17	2	0	0	0	0	11	12	15	21	2
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	4	0	0	0	0	0	0	1	2	6	0
USGS7380251 Barataria Bay North of Grand Isle	10	8	0	0	0	0	0	2	4	6	11	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	0	0	0	0	0	2	2	2	5	1
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	21	4	1	1	1	3	16	17	21	24	5
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	15	5	2	1	0	0	4	9	13	18	5
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	5	1	0	0	0	0	0	2	5	6	0
CRMS 0224	8	7	1	0	0	0	0	0	3	4	7	1
CRMS 0163	5	4	4	1	0	0	0	1	1	3	5	1
CRMS 0162	8	18	15	10	3	0	0	0	0	1	2	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-11	-9	-7	-5	-8	-4	0	-1	-1	-15
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-3	-2	-2	-1	-2	-3	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-3	-2	-4	-4	-3	-2	-3	-1	-1	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-5	-5	-5	-4	-3	-5	-1	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-2	-5	-6	-6	-4	-4	-1	-1	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-11	-10	-9	-7	-9	-3	0	0	-1	-13
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-5	-3	-2	-2	-4	-4	0	0	-1	-6
CRMS 3985	0	0	0	0	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-3	-5	-5	-3	-2	-1	-1	-1	-2	-2	-3	-6
CRMS 0224	-2	-4	-6	-5	-4	-3	-2	-3	-2	-1	-3	-10
CRMS 0163	0	0	0	-1	0	0	0	0	0	0	0	0
CRMS 0162	0	0	2	10	3	0	0	0	-1	-9	-8	-1

Figure WQ SAL 25 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1970 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	17	13	11	9	7	11	20	16	16	20	18
HWQ-08- At the Outfall	1	3	2	3	3	3	1	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	4	3	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	2	4	4	3	1	3	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	12	10	5	6	5	4	2	10	6	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	6	6	2	6	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	20	16	14	11	11	16	23	21	21	23	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	14	10	8	5	5	5	10	12	13	16	15
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	6	6	3	3	3	1	1	2	6	8	9	11
CRMS 0224	9	10	6	6	5	3	2	4	6	7	10	10
CRMS 0163	1	1	1	0	0	1	2	5	4	2	2	2
CRMS 0162	7	17	8	4	0	0	0	1	3	11	3	1

V3PR7_HYST - cy 0 - 1970 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	11	9	2	0	0	1	9	19	16	15	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	2	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	3	3	0	0	0	0	1	8	5	6	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	2	0	0	0	0	0	5	3	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	16	15	6	3	1	3	14	22	20	20	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	10	11	5	5	2	1	2	8	12	13	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	0	0	0	4	6	6	6
CRMS 0224	2	2	0	0	0	0	0	2	5	5	7	6
CRMS 0163	2	2	1	1	0	1	1	3	4	2	2	3
CRMS 0162	7	17	13	7	3	0	1	1	3	11	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-9	-8	-11	-11	-9	-6	-3	-1	0	-1	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-1	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-4	-3	-2	-1	-2	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-4	-2	-3	-4	-3	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-8	-7	-5	-6	-5	-4	-2	-2	-1	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-4	-2	-5	-6	-6	-2	-1	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-2	-1	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-7	-6	-10	-11	-10	-8	-2	-1	0	-1	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-7	-3	-5	-3	-3	-4	-3	-2	0	0	0	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-4	-5	-3	-3	-3	-1	-1	-2	-2	-2	-3	-5
CRMS 0224	-8	-8	-6	-6	-5	-3	-2	-2	-1	-2	-3	-4
CRMS 0163	0	0	0	0	0	0	-1	-2	0	0	0	0
CRMS 0162	0	0	5	3	2	0	0	0	0	0	0	0

Figure WQ SAL 26 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	14	9	8	7	7	13	18	15	18	22	18
HWQ-08- At the Outfall	1	2	2	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	2	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	3	4	3	3	2	3	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	12	9	4	5	4	4	5	9	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	5	6	4	6	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	15	12	11	9	12	17	21	20	23	25	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	4	3	5	7	10	12	15	19	14
CRMS 3985	0	0	0	0	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	2	6	8	11	7
CRMS 0224	8	9	5	4	4	3	3	4	6	7	11	11
CRMS 0163	2	1	0	0	0	1	2	3	3	4	4	2
CRMS 0162	2	1	0	0	0	0	0	0	2	11	10	9

V3PR7_HYST - cy 0 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	13	1	0	0	0	3	11	17	15	17	21	9
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	2	2	2	6	1
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	1	7	5	6	11	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	0	1	5	3	2	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	18	3	1	1	1	8	16	20	20	22	24	14
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	11	4	1	2	1	3	5	8	12	15	18	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	0	0	0	0	0	0	0	4	6	7	3
CRMS 0224	3	0	0	0	0	0	0	1	4	5	8	5
CRMS 0163	3	1	0	0	0	1	1	2	3	5	4	1
CRMS 0162	3	2	1	0	0	0	0	0	2	11	10	9

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-8	-13	-9	-8	-7	-4	-3	-1	0	-1	-1	-8
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-2	-2	-1	-2	-3	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-6	-3	-4	-3	-3	-2	-2	-1	-2	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-8	-9	-4	-5	-4	-4	-3	-2	0	-2	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-5	-2	-5	-5	-5	-3	-2	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-12	-11	-10	-8	-4	-2	-1	0	-1	-1	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-4	-4	-3	-2	-2	-3	-2	0	0	-1	-3
CRMS 3985	0	0	0	0	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-5	-3	-2	-2	-1	-1	-2	-2	-2	-4	-4
CRMS 0224	-6	-9	-5	-4	-4	-3	-3	-2	-2	-2	-3	-6
CRMS 0163	0	0	0	0	0	0	0	-1	0	1	0	0
CRMS 0162	1	1	1	0	0	0	0	0	0	0	0	0

Figure WQ SAL 27 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	16	14	12	11	10	15	21	17	17	20	17
HWQ-08- At the Outfall	1	3	2	3	3	3	2	1	2	3	3	3
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	4	3	2	1	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	1	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	2	4	3	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	13	11	5	6	5	5	4	11	7	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	7	3	7	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	19	18	16	15	15	20	24	22	22	22	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	18	11	11	9	9	9	8	12	14	14	16	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	6	6	5	4	4	3	2	7	10	7	5
CRMS 0224	9	11	6	7	7	4	3	4	7	8	10	9
CRMS 0163	6	3	3	4	4	3	4	5	6	3	3	2
CRMS 0162	10	3	2	3	2	2	2	2	3	11	6	2

V3PR7_HYST - cy 0 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	4	9	8	3	7	14	20	16	16	19	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	1	0	1	1	2	2	2	5	2
USGS7380251 Barataria Bay North of Grand Isle	10	0	1	2	0	1	3	10	6	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	1	1	2	1	3	2	6	3	3	4	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	1	0	0	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	11	14	12	7	13	20	24	21	22	22	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	16	8	10	8	6	8	7	10	13	14	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	0	1	1	0	1	0	0	4	7	5	3
CRMS 0224	8	1	1	1	1	1	1	2	5	6	7	5
CRMS 0163	6	4	2	4	4	2	4	8	7	2	2	2
CRMS 0162	11	10	7	4	3	3	3	2	3	11	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-12	-5	-5	-8	-3	-1	-1	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-4	-3	-2	-1	-2	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	0	-1	-1	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-6	-2	-3	-3	-2	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-10	-4	-4	-5	-3	-1	-1	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-5	-1	-3	-5	-4	-1	-1	-1	0	-1	-1
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-8	-4	-4	-7	-2	-1	0	-1	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-3	-2	-1	-2	-1	-1	-2	-1	0	0	-1
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	-2	-6	-5	-4	-3	-3	-3	-2	-2	-2	-2	-2
CRMS 0224	-2	-11	-5	-6	-5	-3	-2	-2	-2	-2	-3	-4
CRMS 0163	0	1	0	1	0	-1	0	3	1	-1	-1	0
CRMS 0162	0	7	5	2	1	1	1	1	0	0	-3	-1

Figure WQ SAL 28 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	12	10	10	9	7	8	14	12	16	22	19
HWQ-08- At the Outfall	1	2	2	3	3	3	1	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	3	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	5	3	4	4	3	1	3	2	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	11	8	5	6	6	4	2	6	4	7	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	3	5	7	6	2	5	3	4	5	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	20	14	13	12	12	10	13	17	17	21	25	23
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	7	6	5	5	4	5	7	9	12	18	17
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	5	4	2	3	2	1	1	1	3	6	9	10
CRMS 0224	8	8	5	5	5	4	2	3	4	6	11	11
CRMS 0163	1	0	0	0	1	0	0	1	1	2	2	4
CRMS 0162	0	0	0	0	0	0	0	0	0	1	2	3

V3PR7_HYST - cy 0 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	3	0	1	0	0	0	0	5	11	15	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	1	6	2
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	0	1	3	5	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	0	1	2	5	3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	8	2	3	2	2	2	4	11	16	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	5	3	2	3	2	1	0	2	8	12	17	16
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	5	6	5
CRMS 0224	0	0	0	0	0	0	0	0	2	4	7	6
CRMS 0163	2	1	0	0	1	1	0	1	1	2	2	3
CRMS 0162	1	1	0	0	0	0	0	0	0	1	1	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-16	-12	-10	-9	-9	-6	-8	-9	-1	-1	-1	-2
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-3	-1	-1	-1	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-3	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-2	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-5	-3	-4	-4	-3	-1	-2	-1	-2	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-11	-8	-5	-6	-5	-4	-2	-6	-2	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-5	-2	-5	-6	-6	-2	-5	-2	-2	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	-1	-1	0	0
USGS073802516 Barataria Pass at Grand Isle	-13	-12	-11	-11	-10	-8	-9	-7	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-9	-4	-5	-3	-3	-3	-4	-5	0	0	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-5	-4	-2	-3	-2	-1	-1	-1	-2	-2	-3	-5
CRMS 0224	-8	-8	-5	-5	-5	-4	-2	-2	-2	-2	-4	-5
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	-1

Figure WQ SAL 29 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	19	12	9	7	5	9	15	12	16	22	16
HWQ-08- At the Outfall	1	3	2	3	3	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	3	2	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	3	4	4	3	2	3	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	12	5	5	5	4	3	7	4	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	25	22	15	12	9	8	13	18	17	21	25	18
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	16	10	5	3	2	4	8	9	13	19	11
CRMS 3985	0	0	0	0	1	1	1	1	0	0	0	0
CRMS 0258	7	10	5	3	2	1	1	1	4	7	9	6
CRMS 0224	9	12	7	5	4	3	2	3	5	5	11	11
CRMS 0163	5	4	4	2	0	0	0	1	1	3	5	1
CRMS 0162	8	18	13	0	0	0	0	0	2	10	9	2

V3PR7_HYST - cy 0 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	17	2	0	0	0	0	11	12	15	21	2
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	4	0	0	0	0	0	0	1	1	6	0
USGS7380251 Barataria Bay North of Grand Isle	10	8	0	0	0	0	0	2	4	6	11	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	4	0	0	0	0	0	2	2	2	5	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	21	4	1	1	1	3	16	17	21	24	5
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	15	5	2	1	0	0	4	9	13	18	5
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	5	1	0	0	0	0	0	2	5	6	0
CRMS 0224	8	7	1	0	0	0	0	0	3	4	7	1
CRMS 0163	5	4	2	0	0	0	0	1	1	4	5	2
CRMS 0162	8	18	15	9	3	0	0	0	2	10	8	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-11	-9	-7	-5	-8	-4	0	-1	-1	-15
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-3	-2	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-3	-2	-4	-4	-3	-2	-3	-1	-1	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-5	-5	-5	-4	-3	-5	-1	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-2	-5	-6	-6	-4	-4	-1	-1	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-11	-10	-9	-7	-9	-2	0	0	-1	-13
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-5	-3	-2	-2	-4	-4	0	0	-1	-6
CRMS 3985	0	0	0	0	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-3	-5	-5	-3	-2	-1	-1	-1	-2	-1	-3	-6
CRMS 0224	-2	-4	-6	-5	-4	-3	-2	-3	-2	-1	-4	-10
CRMS 0163	0	0	-2	-2	0	0	0	0	0	0	0	1
CRMS 0162	0	0	2	9	3	0	0	0	0	-1	-1	0

Figure WQ SAL 30 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1970 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	17	13	11	9	7	11	20	16	16	20	18
HWQ-08- At the Outfall	1	3	2	3	3	3	1	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	4	3	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	2	4	4	3	1	3	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	12	10	5	6	5	4	2	10	6	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	6	6	2	6	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	20	16	14	11	11	16	23	21	21	23	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	14	10	8	5	5	5	10	12	13	16	15
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	6	6	3	3	3	1	1	2	6	8	9	11
CRMS 0224	9	10	6	6	5	3	2	4	6	7	10	10
CRMS 0163	1	1	1	0	0	1	2	5	4	2	2	2
CRMS 0162	7	17	8	4	0	0	0	1	3	11	3	1

V3PR8_HYST - cy 0 - 1970 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	11	10	2	1	0	1	9	19	17	17	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	1	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	3	3	0	0	0	0	1	9	6	7	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	2	0	0	0	0	0	5	3	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	17	15	7	4	1	4	14	23	21	21	23	21
HWQ14 - Lake Washington	9	11	10	7	5	4	3	5	7	9	10	10
HWQ16 - Bayou Grand Liard	10	12	5	6	2	1	2	9	15	16	18	17
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	0	0	0	4	7	7	6
CRMS 0224	2	2	0	0	0	0	0	2	5	6	8	6
CRMS 0163	1	2	1	1	0	0	2	4	2	1	2	2
CRMS 0162	7	17	13	6	2	1	2	3	3	3	2	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-9	-7	-11	-11	-9	-6	-2	-1	1	1	0	-1
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-1	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-4	-3	-2	-1	-2	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-4	-2	-3	-4	-3	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-8	-7	-5	-6	-5	-4	-2	-2	0	-1	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-4	-2	-5	-6	-6	-2	-1	-1	-1	0	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	-2	-2	-1	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-7	-5	-10	-11	-10	-7	-2	0	0	0	0	-1
HWQ14 - Lake Washington	7	10	10	7	5	4	3	5	7	8	10	10
HWQ16 - Bayou Grand Liard	-6	-2	-5	-2	-3	-4	-3	-1	2	3	2	1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-4	-6	-3	-3	-3	-1	-1	-2	-1	-1	-2	-5
CRMS 0224	-8	-8	-6	-6	-5	-3	-2	-2	-1	-1	-2	-4
CRMS 0163	0	1	0	0	0	0	0	-1	-2	-1	0	-1
CRMS 0162	0	0	4	2	2	0	2	2	0	-8	-1	1

Figure WQ SAL 31 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	14	9	8	7	7	13	18	15	18	22	18
HWQ-08- At the Outfall	1	2	2	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	2	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	3	4	3	3	2	3	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	12	9	4	5	4	4	5	9	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	5	6	4	6	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	15	12	11	9	12	17	21	20	23	25	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	4	3	5	7	10	12	15	19	14
CRMS 3985	0	0	0	0	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	2	6	8	11	7
CRMS 0224	8	9	5	4	4	3	3	4	6	7	11	11
CRMS 0163	2	1	0	0	0	1	2	3	3	4	4	2
CRMS 0162	2	1	0	0	0	0	0	0	2	11	10	9

V3PR8_HYST - cy 0 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	13	1	0	0	0	4	11	17	16	18	22	10
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	2	2	2	7	1
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	1	7	6	7	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	0	1	5	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	18	3	1	1	1	8	16	21	20	23	25	15
HWQ14 - Lake Washington	9	10	6	3	2	2	3	5	7	10	12	11
HWQ16 - Bayou Grand Liard	12	5	1	2	1	3	5	9	15	18	21	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	0	0	0	0	0	0	0	4	8	8	3
CRMS 0224	2	0	0	0	0	0	0	2	5	6	9	5
CRMS 0163	3	0	0	0	0	1	1	2	1	2	4	2
CRMS 0162	3	3	1	0	0	0	0	1	2	13	4	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-8	-13	-9	-8	-7	-4	-2	-1	1	0	0	-8
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-2	-2	-1	-2	-3	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-1	-2	-1	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-6	-3	-4	-3	-3	-2	-2	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-8	-9	-4	-5	-4	-4	-3	-2	1	-1	-1	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-5	-2	-5	-5	-5	-3	-1	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-12	-11	-10	-8	-3	-1	0	1	0	0	-6
HWQ14 - Lake Washington	7	10	6	3	2	2	3	5	7	9	12	11
HWQ16 - Bayou Grand Liard	-5	-4	-4	-2	-2	-2	-2	-1	3	3	2	-1
CRMS 3985	0	0	0	0	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-5	-3	-2	-2	-1	-1	-2	-1	-1	-3	-4
CRMS 0224	-6	-9	-5	-4	-4	-3	-3	-2	-1	-1	-3	-6
CRMS 0163	0	-1	0	0	0	0	-1	-1	-1	-2	0	0
CRMS 0162	1	2	1	0	0	0	0	0	0	1	-6	-8

Figure WQ SAL 32 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	16	14	12	11	10	15	21	17	17	20	17
HWQ-08- At the Outfall	1	3	2	3	3	3	2	1	2	3	3	3
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	4	3	2	1	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	1	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	2	4	3	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	13	11	5	6	5	5	4	11	7	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	7	3	7	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	19	18	16	15	15	20	24	22	22	22	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	18	11	11	9	9	9	8	12	14	14	16	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	6	6	5	4	4	3	2	7	10	7	5
CRMS 0224	9	11	6	7	7	4	3	4	7	8	10	9
CRMS 0163	6	3	3	4	4	3	4	5	6	3	3	2
CRMS 0162	10	3	2	3	2	2	2	2	3	11	6	2

V3PR8_HYST - cy 0 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	5	9	8	3	8	15	21	18	18	20	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	0	0	1	0	1	1	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	10	0	1	2	0	2	3	10	6	7	11	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	1	1	2	1	3	2	6	3	3	4	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	11	15	12	8	14	20	24	22	22	22	20
HWQ14 - Lake Washington	11	12	10	7	7	7	7	9	11	11	11	10
HWQ16 - Bayou Grand Liard	16	10	11	10	8	9	7	11	16	17	18	15
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	0	1	1	0	1	0	0	5	8	6	3
CRMS 0224	8	1	1	1	1	1	1	2	6	6	8	5
CRMS 0163	5	1	0	0	1	1	4	5	3	2	1	1
CRMS 0162	11	6	4	3	3	3	4	4	4	11	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-12	-4	-4	-8	-2	0	0	0	1	0	-1
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-4	-3	-2	-1	-2	-4	-5	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	0	-1	-1	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-7	-2	-3	-3	-2	-1	-1	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-10	-4	-4	-5	-3	-1	-1	0	0	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-5	-1	-3	-5	-4	-1	-1	0	0	-1	-1
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-7	-3	-4	-7	-1	0	0	0	1	0	0
HWQ14 - Lake Washington	6	12	10	7	7	6	7	8	10	11	11	10
HWQ16 - Bayou Grand Liard	-1	-2	0	1	-1	0	-1	-1	2	3	2	2
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	-3	-6	-5	-4	-3	-3	-3	-2	-2	-1	-2	-2
CRMS 0224	-2	-11	-5	-6	-5	-3	-2	-2	-1	-1	-2	-4
CRMS 0163	-1	-2	-2	-3	-3	-2	-1	0	-2	-1	-2	-1
CRMS 0162	1	3	1	1	0	1	3	2	1	0	-3	-1

Figure WQ SAL 33 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	12	10	10	9	7	8	14	12	16	22	19
HWQ-08- At the Outfall	1	2	2	3	3	3	1	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	3	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	5	3	4	4	3	1	3	2	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	11	8	5	6	6	4	2	6	4	7	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	3	5	7	6	2	5	3	4	5	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	20	14	13	12	12	10	13	17	17	21	25	23
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	7	6	5	5	4	5	7	9	12	18	17
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	5	4	2	3	2	1	1	1	3	6	9	10
CRMS 0224	8	8	5	5	5	4	2	3	4	6	11	11
CRMS 0163	1	0	0	0	1	0	0	1	1	2	2	4
CRMS 0162	0	0	0	0	0	0	0	0	0	1	2	3

V3PR8_HYST - cy 0 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	3	0	1	0	0	0	0	6	12	16	21	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	0	1	3	6	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	1	1	2	4	3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	8	2	3	2	2	2	4	11	17	21	24	22
HWQ14 - Lake Washington	8	6	4	3	3	3	2	2	3	6	10	11
HWQ16 - Bayou Grand Liard	5	3	2	3	3	1	0	3	11	15	19	19
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	6	7	6
CRMS 0224	0	0	0	0	0	0	0	0	2	5	8	6
CRMS 0163	1	0	0	0	0	0	0	0	0	1	5	7
CRMS 0162	1	1	1	0	0	0	0	0	1	8	5	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-16	-12	-10	-9	-9	-6	-8	-9	0	0	-1	-2
HWQ-08- At the Outfall	-1	-2	-2	-3	-3	-3	-1	-1	-1	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-4	-3	-3	-3	-3	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	-2	-2	-1	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-5	-3	-4	-4	-3	-1	-2	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-11	-8	-5	-6	-5	-4	-2	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-5	-2	-5	-6	-6	-2	-5	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	-1	-1	0	0
USGS073802516 Barataria Pass at Grand Isle	-13	-12	-10	-10	-10	-8	-9	-6	0	0	0	-1
HWQ14 - Lake Washington	6	6	4	3	3	3	2	2	3	6	9	11
HWQ16 - Bayou Grand Liard	-9	-4	-4	-2	-3	-3	-4	-4	2	3	1	2
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-5	-4	-2	-3	-2	-1	-1	-1	-1	-1	-3	-5
CRMS 0224	-8	-8	-5	-5	-5	-4	-2	-2	-2	-1	-3	-5
CRMS 0163	0	0	0	0	0	0	0	0	-1	-1	2	3
CRMS 0162	0	1	0	0	0	0	0	0	1	7	3	0

Figure WQ SAL 34 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	19	12	9	7	5	9	15	12	16	22	16
HWQ-08- At the Outfall	1	3	2	3	3	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	3	2	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	3	4	4	3	2	3	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	12	5	5	5	4	3	7	4	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	25	22	15	12	9	8	13	18	17	21	25	18
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	16	10	5	3	2	4	8	9	13	19	11
CRMS 3985	0	0	0	0	1	1	1	1	0	0	0	0
CRMS 0258	7	10	5	3	2	1	1	1	4	7	9	6
CRMS 0224	9	12	7	5	4	3	2	3	5	5	11	11
CRMS 0163	5	4	4	2	0	0	0	1	1	3	5	1
CRMS 0162	8	18	13	0	0	0	0	0	2	10	9	2

V3PR8_HYST - cy 0 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	17	2	0	0	0	0	12	13	16	22	2
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	4	0	0	0	0	0	0	1	1	6	0
USGS7380251 Barataria Bay North of Grand Isle	10	8	0	0	0	0	0	3	4	6	12	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	4	0	0	0	0	0	2	2	2	5	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	21	4	1	1	1	3	16	18	22	25	6
HWQ14 - Lake Washington	10	13	12	6	3	2	1	2	4	7	11	11
HWQ16 - Bayou Grand Liard	16	17	6	3	1	0	0	5	12	16	20	6
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	5	1	0	0	0	0	0	3	6	7	0
CRMS 0224	8	8	1	0	0	0	0	0	3	5	8	1
CRMS 0163	3	4	1	0	0	0	0	0	0	2	5	1
CRMS 0162	8	17	13	6	0	0	1	0	1	2	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-11	-9	-7	-5	-8	-3	1	0	0	-15
HWQ-08- At the Outfall	-1	-3	-2	-3	-3	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-4	-4	-3	-2	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-3	-2	-4	-4	-3	-2	-3	-1	-1	-2	-6
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-5	-5	-5	-4	-3	-5	0	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-2	-5	-6	-6	-4	-4	-1	-1	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-1	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-11	-10	-9	-7	-9	-2	1	0	0	-13
HWQ14 - Lake Washington	6	12	11	6	3	2	1	2	4	6	11	11
HWQ16 - Bayou Grand Liard	-1	1	-4	-2	-2	-2	-4	-3	2	2	1	-5
CRMS 3985	0	0	0	0	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-3	-5	-5	-3	-2	-1	-1	-1	-1	0	-3	-6
CRMS 0224	-2	-4	-6	-5	-4	-3	-2	-3	-1	0	-3	-10
CRMS 0163	-1	0	-2	-1	0	0	0	0	-1	-2	0	0
CRMS 0162	0	0	0	6	0	0	0	0	-1	-9	-6	-1

Figure WQ SAL 35 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 0 - 1970 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	17	13	11	9	7	11	20	16	16	20	18
HWQ-08- At the Outfall	1	3	2	3	3	3	1	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	4	3	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	2	4	4	3	1	3	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	12	10	5	6	5	4	2	10	6	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	6	6	2	6	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	20	16	14	11	11	16	23	21	21	23	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	14	10	8	5	5	5	10	12	13	16	15
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	6	6	3	3	3	1	1	2	6	8	9	11
CRMS 0224	9	10	6	6	5	3	2	4	6	7	10	10
CRMS 0163	1	1	1	0	0	1	2	5	4	2	2	2
CRMS 0162	7	17	8	4	0	0	0	1	3	11	3	1

V3PR9_HYST - cy 0 - 1970 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	18	13	12	10	8	14	21	17	17	21	19
HWQ-08- At the Outfall	1	2	2	2	3	3	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	4	3	2	2	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	1	1	1	1	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	2	3	3	3	2	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	11	10	4	6	5	4	5	12	6	7	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	4	5	7	4	7	3	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	1	1	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	23	21	17	15	12	12	18	24	21	22	23	23
HWQ14 - Lake Washington	9	11	10	7	4	3	4	6	8	9	10	10
HWQ16 - Bayou Grand Liard	16	16	13	10	7	7	8	12	16	17	18	18
CRMS 3985	0	0	0	0	0	1	0	0	0	0	0	0
CRMS 0258	5	6	4	4	4	2	2	2	7	10	10	12
CRMS 0224	9	10	6	7	7	4	3	5	7	8	11	11
CRMS 0163	1	1	0	0	0	0	1	4	2	1	2	2
CRMS 0162	7	17	9	4	2	0	1	1	1	2	3	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	0	1	1	1	2	1	1	1	1	1
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	-1	0	0	0	0	1	1	0	1	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	-1	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	-1	0	1	1	0	0	1	0
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	1	2	1	0	0	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	-1	1	2	1	0	-1	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	-1	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	0	1	1	1	1	2	1	1	1	0	1
HWQ14 - Lake Washington	7	11	10	7	4	3	4	6	8	9	10	10
HWQ16 - Bayou Grand Liard	0	2	3	2	2	2	3	1	3	3	2	2
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	-1	0	0	1	1	1	0	1	1	1	1	1
CRMS 0224	-1	0	0	1	1	1	1	1	1	0	1	1
CRMS 0163	-1	0	-1	0	0	0	-1	-1	-2	-1	0	-1
CRMS 0162	1	0	1	0	2	0	0	0	-2	-9	0	1

Figure WQ SAL 36 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve

V3PR1_HYST - cy 0 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	14	9	8	7	7	13	18	15	18	22	18
HWQ-08- At the Outfall	1	2	2	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	2	2	1	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	3	4	3	3	2	3	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	12	9	4	5	4	4	5	9	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	5	6	4	6	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	23	15	12	11	9	12	17	21	20	23	25	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	4	3	5	7	10	12	15	19	14
CRMS 3985	0	0	0	0	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	2	6	8	11	7
CRMS 0224	8	9	5	4	4	3	3	4	6	7	11	11
CRMS 0163	2	1	0	0	0	1	2	3	3	4	4	2
CRMS 0162	2	1	0	0	0	0	0	0	2	11	10	9

V3PR9_HYST - cy 0 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	15	10	9	8	8	14	17	17	19	23	19
HWQ-08- At the Outfall	1	2	2	3	3	3	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	4	4	3	2	1	2	4	5	7
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	6	3	4	4	3	2	2	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	12	10	5	6	5	4	5	8	7	9	15	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	6	6	4	5	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	24	16	13	12	10	13	18	21	21	24	25	21
HWQ14 - Lake Washington	9	9	5	2	1	2	3	5	7	10	12	11
HWQ16 - Bayou Grand Liard	17	12	8	6	5	6	8	10	15	18	21	17
CRMS 3985	0	0	0	0	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	3	3	2	2	2	6	10	12	8
CRMS 0224	9	10	5	5	5	4	3	3	6	7	12	12
CRMS 0163	2	0	0	0	0	1	1	2	1	2	4	1
CRMS 0162	3	1	0	0	0	0	0	0	2	10	7	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	2	1	1	0	2	1	1	1
HWQ-08- At the Outfall	0	0	0	0	1	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	1	1	0	0	-1	0	0	0	0
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	1	1	-1	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	1	1	1	0	-1	0	0	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	1	0	1	1	1	1
HWQ14 - Lake Washington	7	9	5	2	1	2	3	5	7	9	12	11
HWQ16 - Bayou Grand Liard	0	3	3	2	2	1	1	0	3	3	2	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	1	1	1	1	1	0	0	2	1	1
CRMS 0224	1	0	0	1	2	1	0	-1	0	1	1	1
CRMS 0163	0	-1	0	0	0	0	-1	-2	-2	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-1	-3	-7

Figure WQ SAL 37 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve

V3PR1_HYST - cy 0 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	16	14	12	11	10	15	21	17	17	20	17
HWQ-08- At the Outfall	1	3	2	3	3	3	2	1	2	3	3	3
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	4	3	2	1	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	1	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	2	4	3	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	13	11	5	6	5	5	4	11	7	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	7	3	7	4	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	19	18	16	15	15	20	24	22	22	22	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	0	0	0
HWQ16 - Bayou Grand Liard	18	11	11	9	9	9	8	12	14	14	16	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	6	6	5	4	4	3	2	7	10	7	5
CRMS 0224	9	11	6	7	7	4	3	4	7	8	10	9
CRMS 0163	6	3	3	4	4	3	4	5	6	3	3	2
CRMS 0162	10	3	2	3	2	2	2	2	3	11	6	2

V3PR9_HYST - cy 0 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	17	14	13	12	10	16	22	19	19	21	18
HWQ-08- At the Outfall	1	3	2	3	3	3	2	1	2	3	3	3
CRMS0276 - Just east of Wilkinson Canal	3	4	4	4	4	4	2	1	3	4	6	5
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	1	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	6	2	3	3	3	1	4	3	4	8	5
USGS7380251 Barataria Bay North of Grand Isle	13	11	5	6	5	4	4	12	8	9	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	5	7	3	7	4	4	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	19	18	16	15	16	21	25	23	23	23	21
HWQ14 - Lake Washington	11	12	10	7	7	7	7	9	11	11	12	10
HWQ16 - Bayou Grand Liard	18	15	13	11	11	11	9	13	17	18	19	16
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	6	6	6	5	6	4	2	7	11	9	6
CRMS 0224	9	11	6	7	7	5	3	4	7	8	12	10
CRMS 0163	5	1	1	3	3	2	4	6	3	2	2	1
CRMS 0162	10	3	1	2	1	0	1	2	2	8	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	0	1	1	1	0	1	2	1	1
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	-1	0	0	0	0	0	1	1	0
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	0	0	1	2	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	-1	0	0	0	0	1	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	0	0	1	1	1	1
HWQ14 - Lake Washington	6	11	10	7	7	6	7	9	10	11	11	10
HWQ16 - Bayou Grand Liard	0	3	2	2	3	2	1	1	3	4	3	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	1	1	1	0	0	0	2	1	1
CRMS 0224	0	0	0	1	0	1	0	0	0	1	2	1
CRMS 0163	-1	-2	-1	0	-1	-1	-1	0	-3	-1	-2	-1
CRMS 0162	0	0	-1	-1	-2	-1	0	0	0	-3	-3	0

Figure WQ SAL 38 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve

V3PR1_HYST - cy 0 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	12	10	10	9	7	8	14	12	16	22	19
HWQ-08- At the Outfall	1	2	2	3	3	3	1	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	4	3	3	3	3	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	5	5	3	4	4	3	1	3	2	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	11	8	5	6	6	4	2	6	4	7	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	3	5	7	6	2	5	3	4	5	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	20	14	13	12	12	10	13	17	17	21	25	23
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	7	6	5	5	4	5	7	9	12	18	17
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	5	4	2	3	2	1	1	1	3	6	9	10
CRMS 0224	8	8	5	5	5	4	2	3	4	6	11	11
CRMS 0163	1	0	0	0	1	0	0	1	1	2	2	4
CRMS 0162	0	0	0	0	0	0	0	0	0	1	2	3

V3PR9_HYST - cy 0 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	13	11	11	11	8	9	15	14	17	22	20
HWQ-08- At the Outfall	1	2	2	3	4	3	1	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	2	3	3	4	4	3	2	1	2	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	0	1	1	2	1	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	5	3	4	4	3	1	3	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	11	9	5	6	6	4	2	7	5	7	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	5	2	5	7	6	2	5	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	1	0	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	21	15	14	13	13	11	13	18	18	21	25	23
HWQ14 - Lake Washington	7	6	4	3	3	2	3	4	5	7	10	11
HWQ16 - Bayou Grand Liard	15	10	9	8	8	6	6	8	11	15	20	20
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	5	4	3	4	3	2	1	1	4	8	11	11
CRMS 0224	9	9	5	7	7	5	2	3	5	7	11	11
CRMS 0163	0	0	0	0	0	0	0	0	0	1	4	3
CRMS 0162	0	0	0	0	0	0	0	0	1	7	7	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	2	1	1	1	2	1	1	1
HWQ-08- At the Outfall	0	0	0	0	0	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	1	1	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	0	0	0	0
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	1	1	0	0	1	1	0	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	0	0	0	-1	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	1	1	1	1	0	1
HWQ14 - Lake Washington	6	6	4	3	3	2	3	4	5	7	10	11
HWQ16 - Bayou Grand Liard	1	3	2	2	3	2	1	1	3	3	2	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	1	1	1	0	0	1	2	1	1
CRMS 0224	1	1	0	1	1	1	0	0	1	1	1	0
CRMS 0163	-1	0	0	0	0	0	0	0	-1	-1	2	-1
CRMS 0162	0	0	0	0	0	0	0	0	1	6	5	2

Figure WQ SAL 39 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve

V3PR1_HYST - cy 0 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	19	12	9	7	5	9	15	12	16	22	16
HWQ-08- At the Outfall	1	3	2	3	3	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	3	2	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	3	4	4	3	2	3	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	12	5	5	5	4	3	7	4	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	2	2	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	25	22	15	12	9	8	13	18	17	21	25	18
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	16	10	5	3	2	4	8	9	13	19	11
CRMS 3985	0	0	0	0	1	1	1	1	0	0	0	0
CRMS 0258	7	10	5	3	2	1	1	1	4	7	9	6
CRMS 0224	9	12	7	5	4	3	2	3	5	5	11	11
CRMS 0163	5	4	4	2	0	0	0	1	1	3	5	1
CRMS 0162	8	18	13	0	0	0	0	0	2	10	9	2

V3PR9_HYST - cy 0 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	20	13	10	9	6	8	16	14	17	23	17
HWQ-08- At the Outfall	1	3	2	3	4	3	1	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	4	3	2	1	2	4	5	6
Barataria Waterway at Lafitte (USACE82875)	0	1	0	1	2	1	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	6	7	2	4	4	3	1	3	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	12	5	6	6	4	2	7	5	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	6	2	5	6	6	2	5	3	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	23	16	13	10	8	12	19	18	22	25	19
HWQ14 - Lake Washington	10	13	11	6	3	1	1	3	5	7	11	10
HWQ16 - Bayou Grand Liard	18	18	14	7	5	4	5	8	12	16	21	15
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	7	10	6	4	3	2	1	1	5	9	11	7
CRMS 0224	10	12	7	6	6	4	2	3	5	7	11	11
CRMS 0163	3	4	1	0	0	0	0	0	0	2	4	1
CRMS 0162	8	18	13	0	0	0	0	0	0	2	3	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	2	1	-1	0	2	2	1	1
HWQ-08- At the Outfall	0	0	0	0	0	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	1	1	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	-1	0	0	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	-1	0	0	-1	-1	0	0	0	0
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	1	0	-2	0	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	-2	-1	0	0	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-1	0	0	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	0	1	1	1	1	0	0	1	1	0	1
HWQ14 - Lake Washington	6	12	11	6	3	1	1	3	5	7	11	10
HWQ16 - Bayou Grand Liard	0	2	3	2	2	2	0	0	3	3	2	4
CRMS 3985	0	0	0	0	0	0	-1	0	0	0	0	0
CRMS 0258	0	0	0	1	1	1	0	0	1	2	1	0
CRMS 0224	0	0	0	1	2	1	0	-1	0	1	1	1
CRMS 0163	-2	-1	-2	-2	0	0	0	0	-1	-1	-1	0
CRMS 0162	0	0	-1	0	0	0	0	0	-1	-9	-6	-1

Figure WQ SAL 40 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve

V3PR1_HYST - cy 1 - 1975 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	12	9	7	6	6	11	17	13	15	19	17
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	2	1	1	2	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	3	4	3	3	2	4	3	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	4	4	3	4	9	5	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	5	3	4	5	5	4	7	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	2	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	22	14	12	9	8	9	15	21	18	20	22	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	7	5	3	3	4	5	9	9	11	14	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	1	1	1	2	6	7	8	9
CRMS 0224	9	9	5	3	3	2	2	4	6	6	10	10
CRMS 0163	1	0	0	0	0	0	1	1	1	1	2	1
CRMS 0162	1	0	0	0	0	1	0	0	1	0	4	1

V3PR2_HYST - cy 1 - 1975 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	14	5	2	1	1	1	6	16	14	14	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	5	1	0	0	0	0	1	7	4	6	10	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	1	0	0	0	1	1	5	3	2	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	18	9	6	4	4	5	12	20	18	20	21	19
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	11	5	3	2	2	2	2	7	9	11	14	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	0	0	0	0	0	0	0	4	6	7	6
CRMS 0224	3	0	0	0	0	0	0	2	4	5	7	6
CRMS 0163	1	0	0	0	0	0	0	1	1	1	1	1
CRMS 0162	1	0	0	0	0	2	0	0	1	0	4	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-6	-7	-7	-5	-5	-4	-4	-1	0	-1	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-2	-1	-1	-2	-2	-3	-4	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-6	-3	-4	-3	-2	-2	-2	-1	-1	-3	-3
USGS7380251 Barataria Bay North of Grand Isle	-9	-8	-4	-4	-4	-3	-3	-2	0	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-5	-2	-4	-4	-4	-3	-2	0	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-4	-5	-5	-5	-5	-4	-3	-1	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-1	-1	-1	-1	-2	-3	-2	0	0	0	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-5	-3	-2	-1	-1	-1	-2	-2	-1	-2	-2
CRMS 0224	-6	-8	-5	-3	-2	-2	-2	-2	-1	-1	-3	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 41 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	12	8	7	5	6	12	16	14	17	21	16
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	3	2	1	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	7	3	3	3	2	2	2	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	14	9	5	4	4	3	4	7	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	4	5	5	4	5	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	24	14	10	9	7	11	17	19	19	22	24	19
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	6	4	3	2	4	6	9	10	13	17	11
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	7	6	3	2	1	1	1	2	5	7	10	8
CRMS 0224	10	9	5	3	3	2	3	3	5	6	11	11
CRMS 0163	2	0	0	0	0	0	1	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	4	3	0

V3PR2_HYST - cy 1 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	4	2	1	1	4	10	16	14	16	20	12
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	0	0	0	0	0	0	2	2	2	7	2
USGS7380251 Barataria Bay North of Grand Isle	7	1	0	0	0	0	2	7	5	6	11	5
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	1	0	0	0	1	1	5	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	21	9	5	4	3	8	15	19	19	22	23	16
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	5	3	2	1	3	5	8	10	13	16	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	1	0	0	0	0	0	0	4	6	8	5
CRMS 0224	5	1	0	0	0	0	0	2	4	5	9	6
CRMS 0163	2	0	0	0	0	0	0	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	4	4	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-8	-7	-6	-5	-3	-2	0	0	-1	-1	-5
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-5	-4	-3	-2	-1	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-6	-3	-3	-3	-2	-2	0	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-7	-9	-4	-4	-4	-3	-3	0	-1	-1	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-5	-2	-4	-4	-4	-3	0	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-2	-5	-5	-5	-4	-2	-1	0	0	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-3	-1	-1	-1	-1	-1	-2	-1	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-5	-3	-1	-1	-1	-1	-1	-1	-1	-2	-3
CRMS 0224	-5	-9	-5	-3	-2	-2	-2	-1	-1	-1	-3	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 42 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	15	13	11	10	9	15	21	16	16	18	15
HWQ-08- At the Outfall	2	4	3	4	4	3	2	1	2	2	3	3
CRMS0276 - Just east of Wilkinson Canal	3	6	4	5	4	3	2	2	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	1	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	15	11	6	6	5	5	4	11	6	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	3	5	6	7	3	7	3	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	17	17	14	13	14	19	24	21	21	21	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	9	9	7	7	8	8	12	12	12	13	11
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	8	7	7	4	4	4	3	3	7	9	7	6
CRMS 0224	10	12	6	6	6	4	3	4	7	7	10	9
CRMS 0163	5	1	1	1	1	2	3	4	2	1	1	1
CRMS 0162	5	1	1	2	1	4	1	1	8	0	2	1

V3PR2_HYST - cy 1 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	9	11	8	5	7	15	20	16	16	17	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	1	1	1	0	1	1	3	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	13	3	2	3	1	2	4	10	6	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	2	1	3	2	4	3	7	3	3	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	1	1	1	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	26	14	15	12	10	13	20	24	21	21	20	18
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	8	9	7	6	7	7	11	12	12	13	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	6	2	2	2	2	2	1	1	6	8	6	4
CRMS 0224	8	3	2	2	3	2	1	3	6	6	8	6
CRMS 0163	5	1	1	1	0	1	2	3	2	1	1	1
CRMS 0162	5	1	1	2	1	4	1	1	10	0	2	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-6	-3	-3	-5	-2	0	-1	0	0	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-4	-4	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-4	-5	-4	-3	-2	-1	-2	-3	-4	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-1	-2	-1	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-7	-3	-3	-4	-2	-1	-1	0	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-2	-9	-4	-4	-4	-3	0	-1	0	0	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-5	-1	-3	-4	-3	0	0	0	0	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-3	-2	-2	-3	-1	0	0	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-5	-5	-2	-2	-2	-2	-2	-1	-1	-1	-2
CRMS 0224	-2	-9	-5	-4	-3	-3	-1	-1	-1	-1	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	1	0	0	0

Figure WQ SAL 43 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	11	9	8	8	6	9	13	11	14	20	18
HWQ-08- At the Outfall	2	3	3	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	3	2	2	2	2	3	4	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	4	4	4	3	2	4	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	5	5	4	4	7	4	6	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	3	2	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	20	12	12	11	10	9	13	16	15	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	15	5	5	4	4	3	4	7	7	10	16	14
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	1	3	5	9	10
CRMS 0224	9	8	5	4	4	3	3	4	4	5	10	11
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	0	0	0	0	0	1	0	0	1	0	7	1

V3PR2_HYST - cy 1 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	11	3	3	2	2	1	2	7	10	14	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	0	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	3
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	0	1	3	5	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	1	0	0	1	1	0	1	2	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	16	7	7	6	5	5	8	12	15	19	23	20
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	9	4	3	3	3	2	1	3	7	10	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	5	7	7
CRMS 0224	1	0	0	0	0	0	0	0	2	4	8	7
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	0	0	1	0	0	1	0	0	1	0	7	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-7	-7	-6	-6	-5	-7	-6	-1	-1	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-3	-2	-2	-2	-2	-2	-4	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	0	0	-1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-3	-4	-4	-3	-2	-3	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-10	-8	-5	-5	-5	-4	-4	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-5	-3	-5	-5	-5	-4	-5	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-5	-5	-5	-5	-4	-5	-4	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-1	-2	-1	-1	-2	-3	-4	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-5	-5	-2	-2	-2	-1	-1	-1	-2	-1	-2	-3
CRMS 0224	-8	-8	-5	-4	-3	-3	-3	-3	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 44 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	18	11	8	6	5	8	15	13	16	21	15
HWQ-08- At the Outfall	2	4	3	4	3	2	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	3	6	5	4	3	2	2	2	3	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	2	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	15	13	6	5	4	4	3	7	5	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	2	5	5	5	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	26	21	14	10	7	7	12	18	17	21	24	17
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	14	8	4	2	3	5	11	11	13	18	9
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	9	11	6	2	1	2	1	2	10	11	11	8
CRMS 0224	10	13	7	4	3	2	3	4	7	8	11	11
CRMS 0163	5	2	0	0	0	0	0	0	1	2	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

V3PR2_HYST - cy 1 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	16	4	2	1	1	2	11	11	15	20	6
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	1	1	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	5	0	0	0	0	0	1	1	2	7	0
USGS7380251 Barataria Bay North of Grand Isle	13	9	1	0	0	0	0	3	3	5	12	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	5	1	1	1	1	0	2	2	2	5	1
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	20	9	5	3	3	7	15	16	20	23	11
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	13	7	3	1	1	1	4	8	11	16	8
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	8	2	0	0	0	0	0	3	5	7	2
CRMS 0224	8	9	2	0	0	0	0	1	3	4	8	3
CRMS 0163	4	2	0	0	0	0	0	0	0	1	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-7	-6	-5	-4	-6	-3	-1	-1	-1	-8
HWQ-08- At the Outfall	-2	-4	-3	-4	-3	-2	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-5	-4	-3	-2	-2	-2	-3	-4	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-4	-3	-4	-4	-3	-2	-3	-2	-1	-2	-6
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-5	-5	-4	-3	-3	-5	-2	-2	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-2	-4	-5	-4	-3	-4	-1	-1	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-5	-5	-4	-4	-5	-2	-1	-1	-1	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-2	-4	-7	-3	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-4	-4	-2	-1	-2	-1	-2	-7	-6	-4	-5
CRMS 0224	-2	-4	-5	-4	-3	-2	-3	-3	-4	-3	-3	-9
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 45 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1975 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	12	9	7	6	6	11	17	13	15	19	17
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	2	1	1	2	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	3	4	3	3	2	4	3	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	4	4	3	4	9	5	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	5	3	4	5	5	4	7	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	2	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	22	14	12	9	8	9	15	21	18	20	22	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	7	5	3	3	4	5	9	9	11	14	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	1	1	1	2	6	7	8	9
CRMS 0224	9	9	5	3	3	2	2	4	6	6	10	10
CRMS 0163	1	0	0	0	0	0	1	1	1	1	2	1
CRMS 0162	1	0	0	0	0	1	0	0	1	0	4	1

V3PR3_HYST - cy 1 - 1975 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	14	5	2	1	1	1	7	16	13	14	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	5	1	0	0	0	0	1	7	4	6	10	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	1	0	0	0	1	1	5	3	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	18	9	6	4	3	5	12	20	18	20	21	19
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	11	5	3	2	2	2	2	7	9	11	14	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	0	0	0	0	0	0	0	4	6	7	6
CRMS 0224	3	0	0	0	0	0	0	2	4	5	8	7
CRMS 0163	1	0	0	0	0	0	0	1	1	1	1	1
CRMS 0162	1	0	0	0	0	1	0	0	1	0	4	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-6	-7	-7	-5	-5	-4	-4	-1	0	0	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-2	-1	-1	-2	-2	-3	-4	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-6	-3	-4	-3	-2	-2	-2	-1	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-9	-8	-4	-4	-4	-3	-3	-2	0	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-5	-2	-4	-4	-4	-3	-2	0	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-4	-5	-5	-5	-5	-4	-3	-1	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-2	-1	-1	-1	-2	-3	-2	0	0	0	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-5	-3	-2	-1	-1	-1	-2	-2	-1	-2	-2
CRMS 0224	-6	-8	-5	-3	-2	-2	-2	-2	-1	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 46 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	12	8	7	5	6	12	16	14	17	21	16
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	3	2	1	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	7	3	3	3	2	2	2	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	14	9	5	4	4	3	4	7	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	4	5	5	4	5	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	24	14	10	9	7	11	17	19	19	22	24	19
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	6	4	3	2	4	6	9	10	13	17	11
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	7	6	3	2	1	1	1	2	5	7	10	8
CRMS 0224	10	9	5	3	3	2	3	3	5	6	11	11
CRMS 0163	2	0	0	0	0	0	1	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	4	3	0

V3PR3_HYST - cy 1 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	5	2	1	1	4	10	16	14	16	20	12
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	0	0	0	0	0	0	2	2	2	7	2
USGS7380251 Barataria Bay North of Grand Isle	7	1	0	0	0	0	2	7	5	7	12	5
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	1	0	0	0	1	1	5	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	21	9	5	4	3	9	15	19	19	22	23	16
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	5	3	2	1	3	5	8	10	13	16	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	1	0	0	0	0	0	1	4	6	9	5
CRMS 0224	5	1	0	0	0	0	0	2	5	5	9	6
CRMS 0163	2	0	0	0	0	0	0	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	3	4	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-8	-7	-6	-5	-3	-2	0	0	-1	-1	-4
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-5	-4	-3	-2	-1	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-6	-3	-3	-3	-2	-2	0	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-7	-9	-4	-4	-4	-3	-3	0	0	-1	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-5	-2	-4	-4	-4	-3	0	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-2	-5	-5	-5	-4	-2	-1	0	0	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-3	-1	-1	-1	-1	-1	-2	-1	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-5	-3	-1	-1	-1	-1	-1	-1	-1	-2	-3
CRMS 0224	-5	-9	-5	-3	-2	-2	-2	-1	-1	-1	-2	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-1	0	0

Figure WQ SAL 47 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	15	13	11	10	9	15	21	16	16	18	15
HWQ-08- At the Outfall	2	4	3	4	4	3	2	1	2	2	3	3
CRMS0276 - Just east of Wilkinson Canal	3	6	4	5	4	3	2	2	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	1	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	15	11	6	6	5	5	4	11	6	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	3	5	6	7	3	7	3	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	17	17	14	13	14	19	24	21	21	21	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	9	9	7	7	8	8	12	12	12	13	11
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	8	7	7	4	4	4	3	3	7	9	7	6
CRMS 0224	10	12	6	6	6	4	3	4	7	7	10	9
CRMS 0163	5	1	1	1	1	2	3	4	2	1	1	1
CRMS 0162	5	1	1	2	1	4	1	1	8	0	2	1

V3PR3_HYST - cy 1 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	11	8	5	7	15	20	16	16	18	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	1	1	1	0	1	1	3	2	3	6	2
USGS7380251 Barataria Bay North of Grand Isle	13	3	2	3	1	2	4	11	6	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	2	1	3	2	4	3	7	3	3	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	1	1	1	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	26	14	15	12	10	13	20	24	21	21	20	17
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	8	9	7	6	7	7	11	12	12	13	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	6	2	2	2	2	2	1	1	6	8	6	4
CRMS 0224	8	3	2	2	3	2	1	3	6	6	8	6
CRMS 0163	5	1	1	1	1	1	2	3	2	1	1	1
CRMS 0162	5	1	1	2	1	4	1	1	9	0	2	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-6	-3	-3	-5	-2	0	0	0	0	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-4	-4	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-4	-4	-4	-3	-2	-1	-2	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-1	-2	-1	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-7	-3	-3	-4	-2	-1	-1	0	0	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-2	-9	-4	-4	-5	-3	0	0	0	0	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-5	-1	-3	-4	-3	0	0	0	0	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-3	-2	-2	-3	-1	0	0	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-1	-1	0	0	0	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-5	-4	-2	-2	-2	-2	-2	-1	-1	-1	-2
CRMS 0224	-2	-8	-5	-4	-3	-3	-1	-1	-1	-1	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	1	0	0	0

Figure WQ SAL 48 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	11	9	8	8	6	9	13	11	14	20	18
HWQ-08- At the Outfall	2	3	3	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	3	2	2	2	2	3	4	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	4	4	4	3	2	4	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	5	5	4	4	7	4	6	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	3	2	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	20	12	12	11	10	9	13	16	15	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	15	5	5	4	4	3	4	7	7	10	16	14
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	1	3	5	9	10
CRMS 0224	9	8	5	4	4	3	3	4	4	5	10	11
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	0	0	0	0	0	1	0	0	1	0	7	1

V3PR3_HYST - cy 1 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	12	3	3	2	2	1	2	8	10	14	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	3
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	0	1	3	5	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	1	0	0	1	1	0	1	2	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	16	7	7	6	5	5	8	13	15	19	23	20
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	9	4	3	3	3	2	1	3	7	10	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	5	7	7
CRMS 0224	1	0	0	0	1	0	0	0	2	4	8	7
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	0	0	0	0	0	1	0	0	1	0	8	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-7	-7	-6	-6	-5	-7	-6	-1	0	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-3	-2	-2	-2	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	0	0	-1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-3	-4	-4	-3	-2	-3	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-10	-8	-5	-5	-5	-4	-4	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-5	-3	-5	-5	-5	-4	-5	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-4	-5	-5	-5	-5	-4	-5	-4	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-1	-2	-1	-1	-2	-3	-4	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-5	-5	-2	-2	-2	-1	-1	-1	-2	-1	-2	-3
CRMS 0224	-8	-8	-5	-4	-3	-3	-3	-3	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 49 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	18	11	8	6	5	8	15	13	16	21	15
HWQ-08- At the Outfall	2	4	3	4	3	2	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	3	6	5	4	3	2	2	2	3	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	2	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	15	13	6	5	4	4	3	7	5	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	2	5	5	5	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	26	21	14	10	7	7	12	18	17	21	24	17
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	14	8	4	2	3	5	11	11	13	18	9
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	9	11	6	2	1	2	1	2	10	11	11	8
CRMS 0224	10	13	7	4	3	2	3	4	7	8	11	11
CRMS 0163	5	2	0	0	0	0	0	0	1	2	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

V3PR3_HYST - cy 1 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	16	4	2	1	1	2	11	11	15	20	6
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	1	1	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	5	0	0	0	0	0	1	1	2	7	0
USGS7380251 Barataria Bay North of Grand Isle	13	9	1	0	0	0	0	3	3	6	12	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	5	1	1	1	1	0	2	2	2	5	1
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	20	9	5	3	3	7	15	16	20	24	11
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	13	7	3	1	1	1	4	8	11	17	8
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	8	2	0	0	0	0	0	3	5	7	2
CRMS 0224	8	9	2	0	0	0	0	1	3	4	8	3
CRMS 0163	4	2	0	0	0	0	0	0	0	1	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-7	-6	-5	-4	-6	-4	-1	-1	-1	-8
HWQ-08- At the Outfall	-2	-4	-3	-4	-3	-2	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-5	-4	-3	-2	-2	-2	-3	-4	-5	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-4	-3	-4	-4	-3	-2	-3	-2	-1	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-5	-5	-4	-3	-3	-5	-2	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-2	-4	-5	-4	-3	-4	-1	-1	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-2	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-5	-5	-4	-4	-5	-2	-1	0	-1	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-2	-4	-7	-3	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-4	-4	-2	-1	-2	-1	-2	-7	-6	-4	-5
CRMS 0224	-2	-4	-5	-4	-3	-2	-3	-3	-4	-3	-3	-9
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 50 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1975 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	12	9	7	6	6	11	17	13	15	19	17
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	2	1	1	2	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	3	4	3	3	2	4	3	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	4	4	3	4	9	5	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	5	3	4	5	5	4	7	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	2	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	22	14	12	9	8	9	15	21	18	20	22	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	7	5	3	3	4	5	9	9	11	14	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	1	1	1	2	6	7	8	9
CRMS 0224	9	9	5	3	3	2	2	4	6	6	10	10
CRMS 0163	1	0	0	0	0	0	1	1	1	1	2	1
CRMS 0162	1	0	0	0	0	1	0	0	1	0	4	1

V3PR4_HYST - cy 1 - 1975 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	12	3	1	1	0	1	6	16	14	14	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	4	0	0	0	0	0	0	7	5	6	10	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	0	0	4	3	2	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	17	7	4	3	2	5	11	20	18	20	21	19
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	10	4	3	2	1	1	2	7	9	11	14	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	0	0	0	0	0	0	0	4	6	7	6
CRMS 0224	3	0	0	0	0	0	0	2	4	5	8	7
CRMS 0163	1	0	0	0	0	0	0	1	1	1	1	1
CRMS 0162	1	1	0	0	0	2	0	0	1	0	4	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-8	-9	-8	-6	-5	-5	-5	-1	0	0	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-2	-1	-1	-2	-2	-3	-4	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-6	-3	-4	-3	-3	-2	-2	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-10	-8	-5	-4	-4	-3	-3	-2	0	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-5	-2	-4	-5	-5	-3	-2	0	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-7	-7	-6	-6	-5	-3	-1	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-2	-2	-1	-1	-2	-3	-2	0	0	0	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-5	-3	-2	-1	-1	-1	-2	-2	-1	-2	-2
CRMS 0224	-7	-8	-5	-3	-3	-2	-2	-2	-1	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 51 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	12	8	7	5	6	12	16	14	17	21	16
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	3	2	1	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	7	3	3	3	2	2	2	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	14	9	5	4	4	3	4	7	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	4	5	5	4	5	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	24	14	10	9	7	11	17	19	19	22	24	19
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	6	4	3	2	4	6	9	10	13	17	11
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	7	6	3	2	1	1	1	2	5	7	10	8
CRMS 0224	10	9	5	3	3	2	3	3	5	6	11	11
CRMS 0163	2	0	0	0	0	0	1	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	4	3	0

V3PR4_HYST - cy 1 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	17	3	1	1	0	3	10	16	14	16	20	11
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	0	0	0	0	0	0	2	2	2	7	2
USGS7380251 Barataria Bay North of Grand Isle	6	0	0	0	0	0	1	7	5	6	11	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	0	0	0	0	1	1	5	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	21	7	3	3	2	8	15	19	19	22	23	15
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	5	2	2	1	3	4	8	10	13	16	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	0	0	0	0	0	0	0	4	6	9	5
CRMS 0224	5	0	0	0	0	0	0	2	4	5	9	5
CRMS 0163	2	0	0	0	0	0	0	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	4	4	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-10	-7	-6	-5	-3	-2	0	0	-1	-1	-5
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-5	-4	-3	-2	-1	-2	-1	-2	-3	-4	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-7	-3	-3	-3	-2	-2	0	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-7	-9	-4	-4	-4	-3	-3	0	0	-1	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-6	-2	-4	-5	-4	-3	0	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-3	-7	-7	-6	-5	-2	-2	0	0	-1	-1	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-3	-2	-2	-1	-1	-1	-2	-1	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-6	-3	-2	-1	-1	-1	-1	-1	-1	-2	-3
CRMS 0224	-5	-9	-5	-3	-3	-2	-2	-1	-1	-1	-2	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 52 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	15	13	11	10	9	15	21	16	16	18	15
HWQ-08- At the Outfall	2	4	3	4	4	3	2	1	2	2	3	3
CRMS0276 - Just east of Wilkinson Canal	3	6	4	5	4	3	2	2	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	1	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	15	11	6	6	5	5	4	11	6	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	3	5	6	7	3	7	3	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	17	17	14	13	14	19	24	21	21	21	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	9	9	7	7	8	8	12	12	12	13	11
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	8	7	7	4	4	4	3	3	7	9	7	6
CRMS 0224	10	12	6	6	6	4	3	4	7	7	10	9
CRMS 0163	5	1	1	1	1	2	3	4	2	1	1	1
CRMS 0162	5	1	1	2	1	4	1	1	8	0	2	1

V3PR4_HYST - cy 1 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	8	10	8	4	7	15	20	16	16	18	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	1	0	1	0	1	1	3	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	13	2	2	2	1	2	4	10	6	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	2	1	2	2	4	3	7	3	3	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	1	1	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	26	13	15	12	9	13	19	24	21	21	20	18
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	7	9	7	6	7	7	11	12	12	13	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	2	2	2	1	2	1	1	6	8	6	4
CRMS 0224	8	2	1	2	2	2	1	3	6	6	8	6
CRMS 0163	5	1	1	1	0	1	2	3	2	1	1	1
CRMS 0162	6	1	1	2	1	3	1	1	9	0	2	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-7	-3	-3	-6	-2	0	-1	0	0	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-4	-4	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-4	-4	-4	-3	-2	-1	-2	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-1	-2	-2	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-7	-3	-3	-4	-3	-1	-1	0	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-2	-9	-4	-4	-5	-3	0	-1	0	0	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-5	-2	-3	-4	-3	0	0	0	0	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-4	-2	-3	-4	-1	0	-1	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	-1	0	0	0	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-6	-5	-2	-2	-2	-2	-2	-2	-1	-1	-2
CRMS 0224	-2	-9	-5	-4	-4	-3	-2	-1	-1	-1	-2	-3
CRMS 0163	0	0	0	0	0	0	0	-1	0	0	0	0
CRMS 0162	0	0	0	0	-1	-1	0	0	1	0	0	0

Figure WQ SAL 53 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	11	9	8	8	6	9	13	11	14	20	18
HWQ-08- At the Outfall	2	3	3	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	3	2	2	2	2	3	4	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	4	4	4	3	2	4	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	5	5	4	4	7	4	6	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	3	2	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	20	12	12	11	10	9	13	16	15	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	15	5	5	4	4	3	4	7	7	10	16	14
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	1	3	5	9	10
CRMS 0224	9	8	5	4	4	3	3	4	4	5	10	11
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	0	0	0	0	0	1	0	0	1	0	7	1

V3PR4_HYST - cy 1 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	9	2	2	1	1	1	2	7	10	14	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	3
USGS7380251 Barataria Bay North of Grand Isle	1	0	0	0	0	0	0	1	3	5	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	0	0	1	1	2	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	14	5	6	4	4	4	6	12	15	19	23	20
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	8	3	3	3	3	1	1	3	7	10	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	5	7	7
CRMS 0224	0	0	0	0	0	0	0	0	2	4	8	7
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	1	0	0	0	0	1	0	0	1	0	7	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-10	-9	-8	-7	-7	-5	-8	-6	0	0	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-3	-2	-2	-2	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	0	0	-1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-4	-4	-4	-3	-2	-3	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-12	-8	-5	-5	-5	-4	-4	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-5	-3	-5	-6	-6	-4	-6	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-7	-7	-7	-6	-6	-5	-6	-4	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-2	-2	-1	-1	-2	-4	-4	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-6	-5	-3	-2	-2	-1	-1	-1	-2	-1	-2	-3
CRMS 0224	-9	-8	-5	-4	-4	-3	-3	-3	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 54 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	18	11	8	6	5	8	15	13	16	21	15
HWQ-08- At the Outfall	2	4	3	4	3	2	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	3	6	5	4	3	2	2	2	3	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	2	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	15	13	6	5	4	4	3	7	5	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	2	5	5	5	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	26	21	14	10	7	7	12	18	17	21	24	17
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	14	8	4	2	3	5	11	11	13	18	9
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	9	11	6	2	1	2	1	2	10	11	11	8
CRMS 0224	10	13	7	4	3	2	3	4	7	8	11	11
CRMS 0163	5	2	0	0	0	0	0	0	1	2	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

V3PR4_HYST - cy 1 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	16	3	1	0	0	1	11	11	15	20	4
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	1	1	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	4	0	0	0	0	0	1	1	2	6	0
USGS7380251 Barataria Bay North of Grand Isle	12	9	1	0	0	0	0	3	3	5	11	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	5	1	0	0	0	0	2	2	2	5	1
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	20	7	4	2	2	6	15	16	20	23	9
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	13	6	3	1	1	0	4	8	11	16	7
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	8	2	0	0	0	0	0	3	5	7	2
CRMS 0224	8	9	2	0	0	0	0	1	3	4	8	2
CRMS 0163	4	2	0	0	0	0	0	0	0	1	2	0
CRMS 0162	5	6	0	0	0	0	0	0	1	1	6	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-8	-7	-5	-4	-7	-4	-1	-1	-1	-10
HWQ-08- At the Outfall	-2	-4	-3	-4	-3	-2	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-5	-4	-3	-2	-2	-2	-3	-4	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-4	-3	-4	-4	-3	-2	-3	-2	-1	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-5	-5	-4	-3	-3	-5	-2	-2	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-2	-4	-5	-5	-3	-4	-1	-1	-1	-5
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-3	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-7	-6	-5	-5	-6	-2	-1	-1	-1	-7
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-2	-1	-1	-3	-5	-7	-3	-1	-1	-2
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-3	-4	-2	-1	-2	-1	-2	-7	-6	-4	-6
CRMS 0224	-2	-4	-6	-4	-3	-2	-3	-3	-4	-3	-3	-9
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 55 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1975 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	12	9	7	6	6	11	17	13	15	19	17
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	2	1	1	2	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	3	4	3	3	2	4	3	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	4	4	3	4	9	5	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	5	3	4	5	5	4	7	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	2	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	22	14	12	9	8	9	15	21	18	20	22	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	7	5	3	3	4	5	9	9	11	14	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	1	1	1	2	6	7	8	9
CRMS 0224	9	9	5	3	3	2	2	4	6	6	10	10
CRMS 0163	1	0	0	0	0	0	1	1	1	1	2	1
CRMS 0162	1	0	0	0	0	1	0	0	1	0	4	1

V3PR5_HYST - cy 1 - 1975 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	12	3	1	1	0	1	6	16	13	14	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	4	0	0	0	0	0	0	7	4	6	10	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	0	0	4	3	2	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	17	7	4	3	2	4	11	20	18	19	21	19
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	10	4	3	2	1	1	2	7	9	10	13	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	0	0	0	0	0	0	0	4	6	7	6
CRMS 0224	3	0	0	0	0	0	0	2	4	5	8	6
CRMS 0163	1	0	0	0	0	0	0	1	1	1	1	1
CRMS 0162	1	1	0	0	0	2	0	0	1	0	4	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-8	-9	-8	-6	-5	-5	-5	-1	0	-1	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-2	-1	-1	-2	-2	-3	-4	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-6	-3	-4	-3	-3	-2	-2	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-10	-8	-5	-4	-4	-3	-3	-2	0	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-5	-2	-4	-5	-5	-3	-2	0	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-7	-7	-6	-6	-5	-3	-1	0	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-2	-2	-1	-1	-2	-3	-2	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-5	-3	-2	-1	-1	-1	-2	-2	-1	-2	-2
CRMS 0224	-7	-8	-5	-3	-3	-2	-2	-2	-1	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 56 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	12	8	7	5	6	12	16	14	17	21	16
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	3	2	1	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	7	3	3	3	2	2	2	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	14	9	5	4	4	3	4	7	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	4	5	5	4	5	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	24	14	10	9	7	11	17	19	19	22	24	19
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	6	4	3	2	4	6	9	10	13	17	11
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	7	6	3	2	1	1	1	2	5	7	10	8
CRMS 0224	10	9	5	3	3	2	3	3	5	6	11	11
CRMS 0163	2	0	0	0	0	0	1	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	4	3	0

V3PR5_HYST - cy 1 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	17	3	1	1	0	4	10	16	14	16	20	11
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	0	0	0	0	0	0	2	2	2	7	2
USGS7380251 Barataria Bay North of Grand Isle	6	0	0	0	0	0	2	7	5	6	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	0	0	0	0	1	1	5	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	21	7	3	3	2	8	15	19	19	22	23	15
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	14	5	2	2	1	3	5	8	10	13	16	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	0	0	0	0	0	0	0	4	6	9	5
CRMS 0224	5	0	0	0	0	0	0	2	4	5	9	5
CRMS 0163	2	0	0	0	0	0	0	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	3	3	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-10	-7	-6	-5	-3	-2	0	0	-1	-1	-5
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-5	-4	-3	-2	-1	-2	-1	-2	-3	-4	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-7	-3	-3	-3	-2	-2	0	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-7	-9	-4	-4	-4	-3	-3	0	0	-1	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3	-6	-2	-4	-5	-4	-3	0	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-3	-7	-7	-6	-5	-2	-1	0	0	-1	-1	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-3	-2	-2	-1	-1	-1	-2	-1	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-6	-3	-2	-1	-1	-1	-1	-1	-1	-2	-3
CRMS 0224	-5	-9	-5	-3	-3	-2	-2	-1	-1	-1	-2	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-1	0	0

Figure WQ SAL 57 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	15	13	11	10	9	15	21	16	16	18	15
HWQ-08- At the Outfall	2	4	3	4	4	3	2	1	2	2	3	3
CRMS0276 - Just east of Wilkinson Canal	3	6	4	5	4	3	2	2	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	1	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	15	11	6	6	5	5	4	11	6	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	3	5	6	7	3	7	3	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	17	17	14	13	14	19	24	21	21	21	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	9	9	7	7	8	8	12	12	12	13	11
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	8	7	7	4	4	4	3	3	7	9	7	6
CRMS 0224	10	12	6	6	6	4	3	4	7	7	10	9
CRMS 0163	5	1	1	1	1	2	3	4	2	1	1	1
CRMS 0162	5	1	1	2	1	4	1	1	8	0	2	1

V3PR5_HYST - cy 1 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	8	10	8	5	7	15	20	16	16	18	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	1	0	1	0	1	1	3	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	12	2	2	2	1	2	4	10	6	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	2	1	2	2	4	3	7	3	3	4	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	1	1	1	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	26	13	15	12	9	13	20	24	21	21	20	18
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	7	9	7	6	7	7	11	12	12	13	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	2	2	2	1	2	1	1	6	8	6	4
CRMS 0224	8	2	1	2	2	2	1	3	5	6	8	6
CRMS 0163	5	1	1	1	0	2	2	3	1	1	1	1
CRMS 0162	6	1	1	2	1	4	1	1	10	0	2	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-7	-3	-3	-5	-3	0	-1	0	0	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-4	-4	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-4	-5	-4	-3	-2	-1	-2	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-1	-2	-2	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-7	-3	-3	-4	-3	-1	-1	0	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-9	-4	-4	-5	-3	0	-1	-1	0	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-5	-2	-3	-4	-3	0	-1	0	0	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-4	-2	-3	-4	-2	0	0	0	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	-1	0	0	0	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-6	-5	-3	-2	-2	-2	-2	-2	-1	-1	-2
CRMS 0224	-2	-9	-5	-4	-4	-3	-2	-1	-1	-1	-2	-3
CRMS 0163	0	0	0	0	0	0	0	-1	0	0	0	0
CRMS 0162	1	0	0	0	-1	0	0	0	1	0	0	0

Figure WQ SAL 58 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	11	9	8	8	6	9	13	11	14	20	18
HWQ-08- At the Outfall	2	3	3	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	3	2	2	2	2	3	4	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	4	4	4	3	2	4	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	5	5	4	4	7	4	6	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	3	2	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	20	12	12	11	10	9	13	16	15	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	15	5	5	4	4	3	4	7	7	10	16	14
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	1	3	5	9	10
CRMS 0224	9	8	5	4	4	3	3	4	4	5	10	11
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	0	0	0	0	0	1	0	0	1	0	7	1

V3PR5_HYST - cy 1 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	9	2	2	1	1	1	2	7	10	14	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	3
USGS7380251 Barataria Bay North of Grand Isle	1	0	0	0	0	0	0	1	3	5	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	0	0	1	1	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	14	5	6	4	4	4	6	12	15	19	23	20
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	8	3	3	3	3	1	1	3	7	10	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	5	7	8
CRMS 0224	0	0	0	0	0	0	0	0	2	4	8	7
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	0	0	0	0	1	1	0	0	1	0	7	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-10	-9	-8	-7	-7	-5	-8	-6	-1	-1	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-3	-2	-2	-2	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	0	0	-1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-4	-4	-4	-3	-2	-3	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-12	-8	-5	-5	-5	-4	-4	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-5	-3	-5	-5	-6	-4	-5	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-7	-7	-6	-7	-6	-5	-6	-4	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-2	-2	-1	-1	-2	-4	-4	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-6	-5	-3	-2	-2	-1	-1	-1	-2	-1	-2	-3
CRMS 0224	-9	-8	-5	-4	-4	-3	-3	-3	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 59 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	18	11	8	6	5	8	15	13	16	21	15
HWQ-08- At the Outfall	2	4	3	4	3	2	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	3	6	5	4	3	2	2	2	3	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	2	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	15	13	6	5	4	4	3	7	5	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	2	5	5	5	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	26	21	14	10	7	7	12	18	17	21	24	17
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	14	8	4	2	3	5	11	11	13	18	9
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	9	11	6	2	1	2	1	2	10	11	11	8
CRMS 0224	10	13	7	4	3	2	3	4	7	8	11	11
CRMS 0163	5	2	0	0	0	0	0	0	1	2	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

V3PR5_HYST - cy 1 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	16	3	1	0	0	1	11	11	15	20	4
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	1	1	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	4	0	0	0	0	0	1	1	2	6	0
USGS7380251 Barataria Bay North of Grand Isle	12	9	1	0	0	0	0	3	3	6	11	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	5	0	0	0	0	0	2	2	2	5	1
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	20	7	4	2	2	6	15	16	20	23	9
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	13	6	3	1	1	0	4	8	11	16	7
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	8	2	0	0	0	0	0	3	5	8	2
CRMS 0224	8	9	2	0	0	0	0	0	3	4	9	2
CRMS 0163	4	2	0	0	0	0	0	0	0	1	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-8	-7	-5	-4	-7	-4	-1	-1	-1	-11
HWQ-08- At the Outfall	-2	-4	-3	-4	-3	-2	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-5	-4	-3	-2	-2	-2	-3	-4	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-4	-3	-4	-4	-3	-2	-3	-2	-1	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-5	-5	-4	-3	-3	-5	-2	-2	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-2	-4	-5	-5	-3	-4	-1	-1	-1	-5
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-3	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-7	-6	-5	-5	-6	-3	-1	-1	-1	-8
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-2	-1	-1	-3	-5	-7	-3	-2	-1	-2
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-3	-4	-2	-1	-2	-1	-2	-7	-6	-4	-6
CRMS 0224	-2	-4	-6	-4	-3	-2	-3	-3	-4	-3	-3	-9
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 60 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1975 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	12	9	7	6	6	11	17	13	15	19	17
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	2	1	1	2	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	3	4	3	3	2	4	3	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	4	4	3	4	9	5	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	5	3	4	5	5	4	7	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	2	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	22	14	12	9	8	9	15	21	18	20	22	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	7	5	3	3	4	5	9	9	11	14	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	1	1	1	2	6	7	8	9
CRMS 0224	9	9	5	3	3	2	2	4	6	6	10	10
CRMS 0163	1	0	0	0	0	0	1	1	1	1	2	1
CRMS 0162	1	0	0	0	0	1	0	0	1	0	4	1

V3PR6_HYST - cy 1 - 1975 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	7	1	0	0	0	0	5	16	14	14	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	2	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	0	7	5	6	10	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	0	0	4	3	2	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	13	4	2	1	1	3	11	20	19	20	21	19
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	8	3	1	1	1	1	1	7	9	11	14	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	0	0	0	0	0	0	0	4	6	7	6
CRMS 0224	2	0	0	0	0	0	0	1	4	5	8	6
CRMS 0163	1	0	0	0	0	0	0	1	1	1	1	1
CRMS 0162	1	1	0	0	0	2	0	0	1	0	4	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-13	-11	-9	-7	-6	-5	-5	-1	0	0	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-2	-1	-1	-2	-2	-2	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-3	-4	-3	-3	-2	-2	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-11	-9	-5	-4	-4	-3	-4	-2	0	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-5	-3	-4	-5	-5	-4	-2	0	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-2	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-9	-10	-10	-8	-7	-7	-4	-1	0	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-8	-4	-4	-2	-2	-3	-4	-2	0	0	0	0
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-5	-5	-3	-2	-1	-1	-1	-2	-2	-1	-2	-2
CRMS 0224	-8	-9	-5	-3	-3	-2	-2	-3	-1	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 61 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	12	8	7	5	6	12	16	14	17	21	16
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	3	2	1	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	7	3	3	3	2	2	2	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	14	9	5	4	4	3	4	7	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	4	5	5	4	5	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	24	14	10	9	7	11	17	19	19	22	24	19
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	6	4	3	2	4	6	9	10	13	17	11
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	7	6	3	2	1	1	1	2	5	7	10	8
CRMS 0224	10	9	5	3	3	2	3	3	5	6	11	11
CRMS 0163	2	0	0	0	0	0	1	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	4	3	0

V3PR6_HYST - cy 1 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	14	1	0	0	0	3	10	16	14	16	20	9
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	2	3	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	2	2	2	7	2
USGS7380251 Barataria Bay North of Grand Isle	5	0	0	0	0	0	1	7	5	7	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	0	1	5	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	19	3	1	1	1	8	15	20	19	22	23	13
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	12	3	1	1	0	2	4	8	10	13	16	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	0	0	0	0	0	0	0	4	6	9	4
CRMS 0224	3	0	0	0	0	0	0	2	4	5	9	5
CRMS 0163	2	0	0	0	0	0	0	1	1	2	2	1
CRMS 0162	2	1	0	0	0	2	0	0	2	3	4	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-12	-8	-7	-5	-3	-2	0	0	-1	-1	-7
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-5	-4	-3	-2	-1	-2	-1	-2	-2	-2	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-7	-3	-3	-3	-2	-2	-1	-1	-1	-2	-5
USGS7380251 Barataria Bay North of Grand Isle	-9	-9	-5	-4	-4	-3	-3	0	0	-1	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-6	-3	-4	-5	-5	-3	0	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-11	-9	-8	-7	-3	-1	0	0	0	0	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-3	-3	-2	-2	-2	-2	-1	0	0	0	-2
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-6	-3	-2	-1	-1	-1	-2	-1	-1	-2	-4
CRMS 0224	-6	-9	-5	-3	-3	-2	-2	-1	-1	-1	-2	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	0	0	0	0	0	0	0	-1	0	0

Figure WQ SAL 62 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	15	13	11	10	9	15	21	16	16	18	15
HWQ-08- At the Outfall	2	4	3	4	4	3	2	1	2	2	3	3
CRMS0276 - Just east of Wilkinson Canal	3	6	4	5	4	3	2	2	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	1	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	15	11	6	6	5	5	4	11	6	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	3	5	6	7	3	7	3	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	17	17	14	13	14	19	24	21	21	21	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	9	9	7	7	8	8	12	12	12	13	11
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	8	7	7	4	4	4	3	3	7	9	7	6
CRMS 0224	10	12	6	6	6	4	3	4	7	7	10	9
CRMS 0163	5	1	1	1	1	2	3	4	2	1	1	1
CRMS 0162	5	1	1	2	1	4	1	1	8	0	2	1

V3PR6_HYST - cy 1 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	5	8	7	3	7	15	21	16	16	18	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	0	2	3	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	0	0	1	0	1	1	3	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	12	1	1	2	0	1	3	11	6	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	1	1	2	1	3	3	7	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	11	13	11	7	13	20	24	21	21	21	18
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	7	8	7	5	7	7	11	12	12	13	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	1	1	1	1	1	1	1	6	7	6	4
CRMS 0224	8	1	1	1	1	1	1	3	6	6	8	6
CRMS 0163	5	1	1	1	0	2	2	3	1	1	1	1
CRMS 0162	6	1	1	3	1	3	1	1	9	0	2	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-10	-5	-4	-7	-3	0	0	0	0	0	-2
HWQ-08- At the Outfall	-2	-4	-3	-4	-4	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-1	-6	-4	-5	-4	-3	-2	-1	-3	-2	-2	-3
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-1	-2	-2	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-8	-3	-4	-4	-3	-1	-1	0	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-11	-5	-4	-5	-3	0	-1	0	0	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-6	-2	-3	-5	-4	0	0	0	0	0	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-7	-3	-3	-6	-2	0	0	0	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-2	-1	-1	-1	-1	0	0	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-7	-6	-3	-3	-3	-3	-2	-2	-1	-1	-2
CRMS 0224	-2	-11	-6	-5	-5	-3	-2	-1	-1	-1	-1	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	1	0	1	0	-1	0	0	0	0	0	0

Figure WQ SAL 63 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	11	9	8	8	6	9	13	11	14	20	18
HWQ-08- At the Outfall	2	3	3	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	3	2	2	2	2	3	4	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	4	4	4	3	2	4	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	5	5	4	4	7	4	6	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	3	2	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	20	12	12	11	10	9	13	16	15	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	15	5	5	4	4	3	4	7	7	10	16	14
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	1	3	5	9	10
CRMS 0224	9	8	5	4	4	3	3	4	4	5	10	11
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	0	0	0	0	0	1	0	0	1	0	7	1

V3PR6_HYST - cy 1 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	3	0	1	0	0	0	0	5	10	14	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	0	1	3	5	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	1	1	2	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	8	2	3	2	2	2	4	10	15	20	23	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	5	2	1	2	2	1	0	2	7	10	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	4	7	7
CRMS 0224	0	0	0	0	0	0	0	0	2	4	8	7
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	1	0	1	0	0	1	0	0	1	0	8	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-15	-11	-9	-8	-7	-6	-9	-8	0	0	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-3	-2	-2	-2	-2	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	0	0	-1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-4	-4	-4	-3	-2	-4	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-13	-9	-5	-5	-5	-4	-4	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-6	-3	-5	-6	-6	-4	-6	-2	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-2	-2	-2	-2	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-12	-10	-9	-9	-8	-7	-9	-6	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-9	-3	-4	-2	-2	-3	-4	-5	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-6	-5	-3	-2	-2	-1	-1	-1	-2	-1	-2	-3
CRMS 0224	-9	-8	-5	-4	-4	-3	-3	-3	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 64 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	18	11	8	6	5	8	15	13	16	21	15
HWQ-08- At the Outfall	2	4	3	4	3	2	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	3	6	5	4	3	2	2	2	3	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	2	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	15	13	6	5	4	4	3	7	5	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	2	5	5	5	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	26	21	14	10	7	7	12	18	17	21	24	17
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	14	8	4	2	3	5	11	11	13	18	9
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	9	11	6	2	1	2	1	2	10	11	11	8
CRMS 0224	10	13	7	4	3	2	3	4	7	8	11	11
CRMS 0163	5	2	0	0	0	0	0	0	1	2	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

V3PR6_HYST - cy 1 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	16	2	0	0	0	1	10	12	15	20	2
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	2	0	0	0	0	0	0	0	1	2	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	4	0	0	0	0	0	0	1	1	6	0
USGS7380251 Barataria Bay North of Grand Isle	12	9	0	0	0	0	0	2	3	5	11	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	5	0	0	0	0	0	2	2	2	5	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	20	4	1	1	1	4	15	17	20	24	5
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	13	5	2	0	0	0	4	8	11	17	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	8	1	0	0	0	0	0	3	5	7	1
CRMS 0224	8	9	1	0	0	0	0	0	3	4	9	1
CRMS 0163	4	2	0	0	0	0	0	0	0	1	2	0
CRMS 0162	5	6	0	0	0	0	0	0	1	1	6	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-10	-8	-6	-5	-8	-4	-1	-1	-1	-13
HWQ-08- At the Outfall	-2	-4	-3	-4	-3	-2	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-1	-4	-5	-4	-3	-2	-2	-2	-3	-4	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-3	-4	-4	-3	-2	-3	-2	-2	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-5	-5	-4	-4	-3	-5	-2	-2	-2	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-2	-5	-5	-5	-4	-5	-1	-1	-1	-5
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-3	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-10	-9	-7	-6	-8	-3	0	-1	-1	-11
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-3	-2	-2	-3	-5	-7	-3	-1	-1	-5
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-4	-5	-2	-1	-2	-1	-2	-7	-6	-4	-7
CRMS 0224	-2	-4	-6	-4	-3	-2	-3	-3	-4	-3	-3	-11
CRMS 0163	0	0	0	0	0	0	0	0	0	0	-1	0
CRMS 0162	0	-1	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 65 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1975 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	12	9	7	6	6	11	17	13	15	19	17
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	2	1	1	2	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	3	4	3	3	2	4	3	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	4	4	3	4	9	5	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	5	3	4	5	5	4	7	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	2	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	22	14	12	9	8	9	15	21	18	20	22	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	7	5	3	3	4	5	9	9	11	14	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	1	1	1	2	6	7	8	9
CRMS 0224	9	9	5	3	3	2	2	4	6	6	10	10
CRMS 0163	1	0	0	0	0	0	1	1	1	1	2	1
CRMS 0162	1	0	0	0	0	1	0	0	1	0	4	1

V3PR7_HYST - cy 1 - 1975 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	7	1	0	0	0	0	5	16	14	14	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	1	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	0	7	4	6	10	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	0	0	4	3	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	13	4	2	1	1	3	11	20	18	20	21	19
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	8	3	1	1	1	1	1	7	9	11	14	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	0	0	0	0	0	0	0	4	6	7	6
CRMS 0224	2	0	0	0	0	0	0	1	4	5	8	6
CRMS 0163	1	0	0	0	0	0	0	1	1	1	1	1
CRMS 0162	1	1	0	0	0	1	0	0	1	0	4	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-13	-11	-9	-7	-6	-5	-5	-1	0	0	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-2	-1	-1	-2	-2	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-3	-4	-3	-3	-2	-2	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-11	-9	-5	-4	-4	-3	-4	-2	0	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-5	-3	-4	-5	-5	-4	-2	0	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-2	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-9	-10	-10	-8	-7	-7	-4	-1	0	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-8	-4	-4	-2	-2	-3	-4	-2	0	0	0	0
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-5	-5	-3	-2	-1	-1	-1	-2	-2	-1	-2	-2
CRMS 0224	-8	-9	-5	-3	-3	-2	-2	-3	-1	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 66 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	12	8	7	5	6	12	16	14	17	21	16
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	3	2	1	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	7	3	3	3	2	2	2	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	14	9	5	4	4	3	4	7	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	4	5	5	4	5	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	24	14	10	9	7	11	17	19	19	22	24	19
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	6	4	3	2	4	6	9	10	13	17	11
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	7	6	3	2	1	1	1	2	5	7	10	8
CRMS 0224	10	9	5	3	3	2	3	3	5	6	11	11
CRMS 0163	2	0	0	0	0	0	1	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	4	3	0

V3PR7_HYST - cy 1 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	14	1	0	0	0	3	10	16	14	16	20	9
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	2	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	2	2	2	7	2
USGS7380251 Barataria Bay North of Grand Isle	5	0	0	0	0	0	1	7	5	7	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	0	1	5	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	19	3	1	1	1	8	15	20	19	22	23	13
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	12	3	1	1	0	2	4	8	10	13	16	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	0	0	0	0	0	0	0	4	6	8	4
CRMS 0224	3	0	0	0	0	0	0	2	4	5	9	5
CRMS 0163	2	0	0	0	0	0	0	1	1	2	2	1
CRMS 0162	2	1	0	0	0	3	0	0	2	2	4	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-12	-8	-7	-5	-3	-2	0	0	-1	-1	-7
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-5	-4	-3	-2	-1	-2	-1	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-7	-3	-3	-3	-2	-2	-1	-1	-1	-2	-5
USGS7380251 Barataria Bay North of Grand Isle	-9	-9	-5	-4	-4	-3	-3	0	0	-1	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-6	-3	-4	-5	-5	-3	0	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-11	-9	-8	-7	-3	-1	0	0	0	-1	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	-3	-3	-2	-2	-2	-2	-1	0	0	0	-2
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-6	-3	-2	-1	-1	-1	-2	-1	-1	-2	-4
CRMS 0224	-6	-9	-5	-3	-3	-2	-2	-1	-1	-1	-2	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	0	0	0	0	0	0	0	-1	0	0

Figure WQ SAL 67 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	15	13	11	10	9	15	21	16	16	18	15
HWQ-08- At the Outfall	2	4	3	4	4	3	2	1	2	2	3	3
CRMS0276 - Just east of Wilkinson Canal	3	6	4	5	4	3	2	2	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	1	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	15	11	6	6	5	5	4	11	6	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	3	5	6	7	3	7	3	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	17	17	14	13	14	19	24	21	21	21	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	9	9	7	7	8	8	12	12	12	13	11
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	8	7	7	4	4	4	3	3	7	9	7	6
CRMS 0224	10	12	6	6	6	4	3	4	7	7	10	9
CRMS 0163	5	1	1	1	1	2	3	4	2	1	1	1
CRMS 0162	5	1	1	2	1	4	1	1	8	0	2	1

V3PR7_HYST - cy 1 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	5	8	7	3	6	15	21	16	16	18	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	1	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	0	0	1	0	1	1	2	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	12	1	1	2	0	1	3	10	6	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	1	1	2	1	3	2	7	3	3	4	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	11	13	11	7	13	20	24	21	21	21	18
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	7	8	7	5	7	7	11	12	12	13	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	1	1	1	1	1	1	1	6	7	6	4
CRMS 0224	8	1	1	1	1	1	1	3	6	6	8	6
CRMS 0163	5	1	1	1	1	2	2	3	1	1	1	1
CRMS 0162	6	1	1	2	1	3	1	1	9	0	2	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-10	-5	-4	-7	-3	0	0	0	0	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-4	-4	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-4	-5	-4	-3	-2	-1	-2	-3	-3	-3
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-1	-2	-2	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-8	-3	-4	-4	-3	-1	-1	0	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-11	-5	-4	-5	-3	0	-1	-1	0	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-6	-2	-3	-5	-4	0	0	0	0	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-7	-4	-4	-6	-2	0	0	0	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-2	-1	-1	-1	0	0	0	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-7	-6	-3	-3	-2	-3	-2	-2	-1	-1	-2
CRMS 0224	-2	-11	-5	-5	-5	-3	-2	-1	-1	-1	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	1	0	0	0	-1	0	0	1	0	0	0

Figure WQ SAL 68 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	11	9	8	8	6	9	13	11	14	20	18
HWQ-08- At the Outfall	2	3	3	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	3	2	2	2	2	3	4	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	4	4	4	3	2	4	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	5	5	4	4	7	4	6	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	3	2	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	20	12	12	11	10	9	13	16	15	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	15	5	5	4	4	3	4	7	7	10	16	14
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	1	3	5	9	10
CRMS 0224	9	8	5	4	4	3	3	4	4	5	10	11
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	0	0	0	0	0	1	0	0	1	0	7	1

V3PR7_HYST - cy 1 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	3	0	1	0	0	0	0	5	10	14	20	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	0	1	2	5	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	1	1	2	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	8	2	3	2	2	2	4	10	15	20	23	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	5	2	1	2	2	1	0	2	7	10	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	4	7	7
CRMS 0224	0	0	0	0	0	0	0	0	2	4	8	7
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	1	0	1	0	1	1	0	0	1	0	8	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-15	-11	-9	-8	-7	-6	-9	-8	-1	0	-1	-2
HWQ-08- At the Outfall	-2	-3	-3	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-3	-2	-2	-2	-2	-2	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	0	0	-1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-4	-4	-4	-3	-2	-4	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-13	-9	-5	-5	-5	-4	-4	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-6	-3	-5	-6	-6	-4	-6	-2	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-2	-2	-2	-2	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-12	-10	-9	-9	-9	-7	-9	-6	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-9	-3	-4	-2	-2	-3	-4	-5	0	0	0	0
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-6	-5	-3	-2	-2	-1	-1	-1	-2	-1	-2	-3
CRMS 0224	-9	-8	-5	-4	-4	-3	-3	-3	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 69 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	18	11	8	6	5	8	15	13	16	21	15
HWQ-08- At the Outfall	2	4	3	4	3	2	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	3	6	5	4	3	2	2	2	3	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	2	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	15	13	6	5	4	4	3	7	5	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	2	5	5	5	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	26	21	14	10	7	7	12	18	17	21	24	17
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	14	8	4	2	3	5	11	11	13	18	9
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	9	11	6	2	1	2	1	2	10	11	11	8
CRMS 0224	10	13	7	4	3	2	3	4	7	8	11	11
CRMS 0163	5	2	0	0	0	0	0	0	1	2	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

V3PR7_HYST - cy 1 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	16	2	0	0	0	1	10	11	15	20	2
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	0	1	2	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	4	0	0	0	0	0	0	1	2	6	0
USGS7380251 Barataria Bay North of Grand Isle	12	9	0	0	0	0	0	2	3	6	11	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	5	0	0	0	0	0	2	2	2	5	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	20	4	2	1	1	4	15	16	21	24	5
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	13	5	2	0	0	0	4	8	11	17	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	8	1	0	0	0	0	0	3	5	7	1
CRMS 0224	8	9	1	0	0	0	0	0	3	4	9	1
CRMS 0163	4	2	0	0	0	0	0	0	0	1	2	0
CRMS 0162	5	6	0	0	0	0	0	0	1	1	7	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-10	-8	-6	-5	-8	-4	-1	-1	-1	-13
HWQ-08- At the Outfall	-2	-4	-3	-4	-3	-2	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-5	-4	-3	-2	-2	-2	-3	-4	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-3	-4	-4	-3	-2	-3	-2	-2	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-5	-5	-4	-4	-3	-5	-2	-2	-2	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-3	-2	-5	-5	-5	-4	-5	-1	-1	-1	-5
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-3	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-10	-9	-7	-6	-8	-3	-1	0	-1	-11
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-3	-2	-2	-3	-5	-7	-3	-1	-1	-5
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-4	-5	-2	-1	-2	-1	-2	-8	-6	-4	-7
CRMS 0224	-2	-4	-6	-4	-3	-2	-3	-3	-4	-3	-3	-11
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 70 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1975 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	12	9	7	6	6	11	17	13	15	19	17
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	2	1	1	2	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	3	4	3	3	2	4	3	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	4	4	3	4	9	5	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	5	3	4	5	5	4	7	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	2	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	22	14	12	9	8	9	15	21	18	20	22	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	7	5	3	3	4	5	9	9	11	14	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	1	1	1	2	6	7	8	9
CRMS 0224	9	9	5	3	3	2	2	4	6	6	10	10
CRMS 0163	1	0	0	0	0	0	1	1	1	1	2	1
CRMS 0162	1	0	0	0	0	1	0	0	1	0	4	1

V3PR8_HYST - cy 1 - 1975 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	7	1	0	0	0	0	6	17	16	17	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	1	2	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	0	7	6	7	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	0	0	4	3	3	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	13	4	2	1	1	3	11	20	20	21	22	20
HWQ14 - Lake Washington	8	7	4	2	1	1	1	3	5	6	7	8
HWQ16 - Bayou Grand Liard	9	4	2	2	1	1	2	8	13	15	17	15
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	0	0	0	0	0	0	0	5	8	9	8
CRMS 0224	2	0	0	0	0	0	0	2	5	6	9	7
CRMS 0163	1	0	0	0	0	0	0	1	0	1	1	1
CRMS 0162	1	1	0	0	0	2	0	0	1	0	4	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-12	-11	-9	-7	-6	-5	-5	0	2	2	0	-1
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-2	-1	-1	-2	-2	-2	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-3	-4	-3	-3	-2	-2	0	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-11	-9	-5	-4	-4	-3	-4	-2	1	0	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-5	-3	-4	-5	-5	-4	-2	0	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-2	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-9	-10	-10	-8	-7	-7	-4	0	1	1	0	0
HWQ14 - Lake Washington	6	7	4	2	1	1	1	3	5	6	7	7
HWQ16 - Bayou Grand Liard	-7	-3	-3	-1	-1	-3	-3	-1	3	4	3	3
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-5	-5	-3	-2	-1	-1	-1	-2	0	2	0	-1
CRMS 0224	-8	-9	-5	-3	-3	-2	-2	-2	0	1	-1	-3
CRMS 0163	0	0	0	0	0	0	0	-1	-1	0	-1	0
CRMS 0162	1	1	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 71 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	12	8	7	5	6	12	16	14	17	21	16
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	3	2	1	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	7	3	3	3	2	2	2	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	14	9	5	4	4	3	4	7	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	4	5	5	4	5	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	24	14	10	9	7	11	17	19	19	22	24	19
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	6	4	3	2	4	6	9	10	13	17	11
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	7	6	3	2	1	1	1	2	5	7	10	8
CRMS 0224	10	9	5	3	3	2	3	3	5	6	11	11
CRMS 0163	2	0	0	0	0	0	1	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	4	3	0

V3PR8_HYST - cy 1 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	14	1	0	0	0	4	11	17	16	18	21	10
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	2	2	2	7	2
USGS7380251 Barataria Bay North of Grand Isle	5	0	0	0	0	0	1	7	6	8	13	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	0	1	5	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	19	4	1	1	1	8	16	20	20	23	24	14
HWQ14 - Lake Washington	9	8	3	1	1	1	2	5	6	8	10	8
HWQ16 - Bayou Grand Liard	12	4	1	2	1	3	5	9	14	17	20	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	0	0	0	0	0	0	0	5	9	10	5
CRMS 0224	3	0	0	0	0	0	0	2	5	7	11	6
CRMS 0163	1	0	0	0	0	0	0	1	0	1	1	0
CRMS 0162	2	1	0	0	0	2	0	0	2	2	4	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-11	-8	-7	-5	-3	-2	1	2	1	0	-6
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-1	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-5	-4	-3	-2	-1	-2	-1	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-7	-3	-3	-3	-2	-2	0	0	-1	-2	-5
USGS7380251 Barataria Bay North of Grand Isle	-9	-9	-5	-4	-4	-3	-3	1	1	0	-1	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-6	-3	-4	-5	-5	-3	0	0	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-2	-2	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-10	-9	-8	-7	-3	-1	1	1	1	0	-5
HWQ14 - Lake Washington	6	8	3	1	1	1	2	5	6	8	9	8
HWQ16 - Bayou Grand Liard	-4	-2	-3	-1	-1	-1	-2	0	3	4	3	1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-6	-3	-2	-1	-1	-1	-1	0	2	0	-3
CRMS 0224	-6	-9	-5	-3	-3	-2	-2	-1	0	0	-1	-6
CRMS 0163	-1	0	0	0	0	0	0	0	-1	-1	-1	0
CRMS 0162	1	0	0	0	0	0	0	0	0	-2	0	0

Figure WQ SAL 72 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	15	13	11	10	9	15	21	16	16	18	15
HWQ-08- At the Outfall	2	4	3	4	4	3	2	1	2	2	3	3
CRMS0276 - Just east of Wilkinson Canal	3	6	4	5	4	3	2	2	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	1	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	15	11	6	6	5	5	4	11	6	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	3	5	6	7	3	7	3	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	17	17	14	13	14	19	24	21	21	21	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	9	9	7	7	8	8	12	12	12	13	11
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	8	7	7	4	4	4	3	3	7	9	7	6
CRMS 0224	10	12	6	6	6	4	3	4	7	7	10	9
CRMS 0163	5	1	1	1	1	2	3	4	2	1	1	1
CRMS 0162	5	1	1	2	1	4	1	1	8	0	2	1

V3PR8_HYST - cy 1 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	5	9	7	3	8	17	23	18	18	21	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	1	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	0	0	1	0	1	1	3	3	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	12	1	1	2	0	1	4	12	7	8	12	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	1	1	2	1	3	2	7	3	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	11	14	11	8	15	22	26	23	23	24	21
HWQ14 - Lake Washington	11	10	8	5	4	4	6	9	10	9	9	8
HWQ16 - Bayou Grand Liard	18	9	11	9	7	8	8	13	16	17	18	15
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	1	1	1	1	1	1	1	7	10	7	5
CRMS 0224	8	1	1	1	1	1	1	3	6	7	10	7
CRMS 0163	4	0	0	1	0	1	2	2	0	0	1	1
CRMS 0162	6	2	1	2	1	4	1	1	13	1	2	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-10	-4	-4	-7	-2	2	2	2	3	2	1
HWQ-08- At the Outfall	-2	-4	-3	-4	-4	-3	-2	-1	-2	-2	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-4	-5	-4	-3	-2	-1	-2	-3	-3	-3
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-1	-2	-2	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-8	-3	-4	-4	-3	-1	-1	0	-1	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-3	-11	-4	-4	-5	-3	0	1	1	1	0	-2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-6	-2	-3	-5	-4	0	0	0	0	0	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-6	-3	-3	-5	0	3	2	2	2	3	2
HWQ14 - Lake Washington	6	10	8	5	4	4	6	8	10	9	9	8
HWQ16 - Bayou Grand Liard	-1	0	1	2	0	1	1	1	4	5	5	4
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-7	-6	-3	-3	-2	-3	-2	0	2	0	-1
CRMS 0224	-2	-11	-5	-5	-4	-3	-2	-1	0	0	0	-2
CRMS 0163	-1	0	-1	0	0	-1	-1	-1	-1	-1	0	0
CRMS 0162	0	1	0	0	0	0	0	0	4	0	0	0

Figure WQ SAL 73 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	11	9	8	8	6	9	13	11	14	20	18
HWQ-08- At the Outfall	2	3	3	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	3	2	2	2	2	3	4	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	4	4	4	3	2	4	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	5	5	4	4	7	4	6	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	3	2	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	20	12	12	11	10	9	13	16	15	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	15	5	5	4	4	3	4	7	7	10	16	14
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	1	3	5	9	10
CRMS 0224	9	8	5	4	4	3	3	4	4	5	10	11
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	0	0	0	0	0	1	0	0	1	0	7	1

V3PR8_HYST - cy 1 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	4	0	1	0	0	0	0	6	12	16	21	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	3
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	0	1	3	6	12	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	1	2	2	5	3
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	9	2	3	2	2	2	4	11	16	21	24	21
HWQ14 - Lake Washington	7	5	2	2	2	1	1	1	2	4	8	9
HWQ16 - Bayou Grand Liard	6	3	2	3	2	1	0	3	10	14	19	17
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	6	9	8
CRMS 0224	0	0	0	0	0	0	0	0	3	5	10	8
CRMS 0163	1	0	0	0	0	0	0	0	0	0	2	1
CRMS 0162	1	0	1	0	1	1	0	0	1	0	8	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-15	-10	-9	-8	-7	-6	-9	-8	1	1	0	-1
HWQ-08- At the Outfall	-2	-3	-3	-3	-3	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-4	-4	-3	-3	-2	-2	-2	-2	-2	-3	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-4	-4	-4	-3	-2	-4	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-13	-9	-5	-5	-5	-4	-4	-6	0	0	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-6	-3	-5	-6	-6	-4	-6	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-2	-1	-1	0	0
USGS073802516 Barataria Pass at Grand Isle	-12	-10	-9	-9	-8	-7	-9	-5	1	1	0	0
HWQ14 - Lake Washington	5	5	2	2	2	1	1	1	2	4	7	9
HWQ16 - Bayou Grand Liard	-9	-2	-3	-1	-2	-2	-4	-4	3	4	3	3
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-6	-5	-3	-2	-2	-1	-1	-1	-1	1	0	-2
CRMS 0224	-9	-8	-5	-4	-4	-3	-3	-3	-2	0	-1	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	-1	-1
CRMS 0162	1	0	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 74 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	18	11	8	6	5	8	15	13	16	21	15
HWQ-08- At the Outfall	2	4	3	4	3	2	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	3	6	5	4	3	2	2	2	3	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	2	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	15	13	6	5	4	4	3	7	5	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	2	5	5	5	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	26	21	14	10	7	7	12	18	17	21	24	17
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	14	8	4	2	3	5	11	11	13	18	9
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	9	11	6	2	1	2	1	2	10	11	11	8
CRMS 0224	10	13	7	4	3	2	3	4	7	8	11	11
CRMS 0163	5	2	0	0	0	0	0	0	1	2	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

V3PR8_HYST - cy 1 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	17	2	0	0	0	1	11	14	17	21	2
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	1	2	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	4	0	0	0	0	0	1	2	2	6	0
USGS7380251 Barataria Bay North of Grand Isle	12	9	0	0	0	0	0	3	5	7	12	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	5	0	0	0	0	0	2	2	2	5	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	25	21	5	2	1	1	4	16	18	22	24	6
HWQ14 - Lake Washington	10	12	9	4	1	0	0	1	3	5	9	8
HWQ16 - Bayou Grand Liard	17	16	6	3	1	0	0	5	11	15	20	6
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	8	1	0	0	0	0	0	4	7	9	1
CRMS 0224	8	9	1	0	0	0	0	0	4	6	10	1
CRMS 0163	3	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	5	6	0	0	0	0	0	0	1	1	7	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-1	-10	-8	-6	-5	-8	-3	1	1	0	-13
HWQ-08- At the Outfall	-2	-4	-3	-4	-3	-2	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-5	-4	-3	-2	-2	-2	-3	-4	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-3	-4	-4	-3	-2	-3	-1	-1	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-2	-3	-5	-5	-4	-4	-3	-5	-1	0	-1	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-3	-2	-5	-5	-5	-4	-5	-1	-1	-1	-5
USGS 07380335 - Little Lake Near Cutoff	0	0	0	-2	-3	-2	-2	-1	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	0	-10	-9	-7	-6	-8	-2	1	1	0	-11
HWQ14 - Lake Washington	6	11	9	4	1	0	0	1	3	5	9	8
HWQ16 - Bayou Grand Liard	-1	3	-2	-1	-1	-3	-5	-6	0	2	2	-3
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-3	-5	-2	-1	-2	-1	-2	-6	-4	-2	-7
CRMS 0224	-2	-4	-6	-4	-3	-2	-3	-3	-3	-2	-2	-11
CRMS 0163	-2	-2	0	0	0	0	0	0	-1	-1	-1	0
CRMS 0162	0	-1	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 75 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 1 - 1975 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	12	9	7	6	6	11	17	13	15	19	17
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	2	1	1	2	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	3	4	3	3	2	4	3	3	8	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	4	4	3	4	9	5	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	5	3	4	5	5	4	7	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	2	1	1	1	1	0
USGS073802516 Barataria Pass at Grand Isle	22	14	12	9	8	9	15	21	18	20	22	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	7	5	3	3	4	5	9	9	11	14	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	6	5	3	2	1	1	1	2	6	7	8	9
CRMS 0224	9	9	5	3	3	2	2	4	6	6	10	10
CRMS 0163	1	0	0	0	0	0	1	1	1	1	2	1
CRMS 0162	1	0	0	0	0	1	0	0	1	0	4	1

V3PR9_HYST - cy 1 - 1975 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	13	10	7	7	7	12	18	16	16	20	18
HWQ-08- At the Outfall	2	3	3	3	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	4	3	2	2	2	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	7	6	3	4	4	3	2	4	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	14	9	5	5	5	4	4	10	6	8	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	5	3	5	5	5	4	7	3	3	5	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	22	15	12	9	9	10	16	21	20	21	22	21
HWQ14 - Lake Washington	8	7	4	2	1	1	2	5	6	6	7	8
HWQ16 - Bayou Grand Liard	17	10	7	4	4	5	7	11	13	14	17	16
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	6	6	4	3	2	1	1	2	7	10	10	10
CRMS 0224	9	9	6	5	4	3	3	4	7	7	11	11
CRMS 0163	1	0	0	0	0	0	1	1	0	1	1	1
CRMS 0162	1	1	0	0	0	2	0	0	2	0	5	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	1	2	2	1	2
HWQ-08- At the Outfall	0	0	0	1	1	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	1	1	0	0	0	0	0	0	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	1	0	1	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	0	0	0	0	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	0	0	1	1	1	1	1	1	1
HWQ14 - Lake Washington	6	7	4	2	1	1	2	5	6	6	7	8
HWQ16 - Bayou Grand Liard	1	3	3	1	1	1	1	1	4	3	3	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	1	1	1	1	1	0	0	2	3	2	1
CRMS 0224	0	1	1	1	1	1	0	0	1	2	1	1
CRMS 0163	0	0	0	0	0	0	0	0	-1	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 76 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve

V3PR1_HYST - cy 1 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	12	8	7	5	6	12	16	14	17	21	16
HWQ-08- At the Outfall	2	3	3	3	2	2	1	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	3	2	1	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	7	3	3	3	2	2	2	3	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	14	9	5	4	4	3	4	7	5	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	4	5	5	4	5	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	24	14	10	9	7	11	17	19	19	22	24	19
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	17	6	4	3	2	4	6	9	10	13	17	11
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	7	6	3	2	1	1	1	2	5	7	10	8
CRMS 0224	10	9	5	3	3	2	3	3	5	6	11	11
CRMS 0163	2	0	0	0	0	0	1	1	1	2	2	1
CRMS 0162	1	0	0	0	0	2	0	0	2	4	3	0

V3PR9_HYST - cy 1 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	14	9	8	6	7	13	17	15	18	22	18
HWQ-08- At the Outfall	2	3	3	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	3	2	2	1	2	4	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	7	4	4	4	3	3	2	3	3	10	7
USGS7380251 Barataria Bay North of Grand Isle	14	10	5	5	5	4	5	7	6	8	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	5	5	5	4	4	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	2	2	1	1	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	24	15	11	10	8	11	17	20	20	23	24	20
HWQ14 - Lake Washington	9	8	3	1	1	1	3	5	6	8	10	8
HWQ16 - Bayou Grand Liard	17	10	6	5	3	5	8	10	13	17	20	15
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	7	6	4	3	2	1	2	2	7	10	12	9
CRMS 0224	10	10	6	4	4	3	3	3	6	7	12	12
CRMS 0163	2	0	0	0	0	0	0	1	0	1	2	0
CRMS 0162	2	0	0	0	0	2	0	0	2	3	5	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	1	1	1	1	2
HWQ-08- At the Outfall	0	0	0	1	1	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	1	1	0	0	0	0	0	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	1	1	1	0	0	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	0	0	0	-1	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	0	0	1	1	1	1	1	1	1	1
HWQ14 - Lake Washington	6	8	3	1	1	1	3	5	6	8	9	8
HWQ16 - Bayou Grand Liard	1	3	2	1	1	1	1	1	3	4	3	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	1	1	1	1	1	0	0	1	2	2	1
CRMS 0224	0	1	1	1	1	1	1	0	0	1	1	1
CRMS 0163	-1	0	0	0	0	0	0	0	-1	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-1	1	0

Figure WQ SAL 77 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve

V3PR1_HYST - cy 1 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	15	13	11	10	9	15	21	16	16	18	15
HWQ-08- At the Outfall	2	4	3	4	4	3	2	1	2	2	3	3
CRMS0276 - Just east of Wilkinson Canal	3	6	4	5	4	3	2	2	3	4	5	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	1	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	1	4	3	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	15	11	6	6	5	5	4	11	6	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	3	5	6	7	3	7	3	3	5	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	2	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	17	17	14	13	14	19	24	21	21	21	19
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	18	9	9	7	7	8	8	12	12	12	13	11
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	8	7	7	4	4	4	3	3	7	9	7	6
CRMS 0224	10	12	6	6	6	4	3	4	7	7	10	9
CRMS 0163	5	1	1	1	1	2	3	4	2	1	1	1
CRMS 0162	5	1	1	2	1	4	1	1	8	0	2	1

V3PR9_HYST - cy 1 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	16	14	12	11	10	15	21	18	18	20	17
HWQ-08- At the Outfall	2	3	3	4	4	4	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	3	6	4	5	5	4	2	1	3	4	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	1	2	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	3	3	1	4	3	4	9	6
USGS7380251 Barataria Bay North of Grand Isle	15	12	6	7	5	5	4	11	7	9	14	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	3	5	6	7	3	7	4	3	6	4
USGS 07380335 - Little Lake Near Cutoff	1	1	0	1	1	1	1	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	18	18	15	14	15	20	24	22	22	22	20
HWQ14 - Lake Washington	11	10	8	5	4	5	6	9	10	8	8	7
HWQ16 - Bayou Grand Liard	19	13	12	10	10	10	8	12	16	16	17	15
CRMS 3985	0	0	0	0	0	1	0	0	0	0	0	0
CRMS 0258	8	8	8	6	5	6	4	3	8	12	9	7
CRMS 0224	10	12	7	8	7	5	3	4	7	9	12	11
CRMS 0163	5	0	0	1	0	1	2	3	1	1	1	1
CRMS 0162	6	1	1	3	1	4	1	1	7	0	2	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	0	0	2	2	1	2
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	0	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	-1	0	0	0	0	1	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	0	1	0	0	0	0	1	2	2	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	-1	0	0	0	0	0	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	-1	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	0	0	1	1	1	1
HWQ14 - Lake Washington	6	10	8	5	4	4	6	8	10	8	8	7
HWQ16 - Bayou Grand Liard	0	4	3	2	3	2	1	1	4	4	4	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	1	2	2	2	1	0	1	3	2	1
CRMS 0224	0	1	1	2	2	1	0	0	1	2	2	2
CRMS 0163	-1	0	-1	0	0	-1	0	0	-1	0	0	0
CRMS 0162	1	1	1	1	0	0	0	0	-1	0	1	0

Figure WQ SAL 78 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve

V3PR1_HYST - cy 1 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	11	9	8	8	6	9	13	11	14	20	18
HWQ-08- At the Outfall	2	3	3	3	3	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	3	3	2	2	2	2	3	4	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	4	4	4	3	2	4	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	13	9	5	5	5	4	4	7	4	6	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	3	2	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	20	12	12	11	10	9	13	16	15	20	24	21
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	15	5	5	4	4	3	4	7	7	10	16	14
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	6	5	3	2	2	1	1	1	3	5	9	10
CRMS 0224	9	8	5	4	4	3	3	4	4	5	10	11
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	2
CRMS 0162	0	0	0	0	0	1	0	0	1	0	7	1

V3PR9_HYST - cy 1 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	12	11	9	9	7	9	14	12	16	21	19
HWQ-08- At the Outfall	2	3	3	4	4	3	2	1	1	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	4	4	4	4	3	2	1	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	7	6	4	5	5	3	1	3	2	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	13	9	6	6	6	4	2	7	5	7	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	6	3	5	7	6	2	5	3	3	5	5
USGS 07380335 - Little Lake Near Cutoff	1	1	1	2	3	2	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	21	13	13	11	12	10	12	17	17	21	24	22
HWQ14 - Lake Washington	7	5	3	2	2	1	2	3	4	5	8	9
HWQ16 - Bayou Grand Liard	16	8	7	6	6	5	5	8	10	14	19	18
CRMS 3985	0	0	0	1	1	1	0	0	0	0	0	0
CRMS 0258	6	6	3	4	3	2	1	1	5	8	11	12
CRMS 0224	9	9	6	6	6	4	2	3	5	6	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	1	0	0	0	1	1	0	0	1	0	9	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	2	1	-1	1	2	2	1	1
HWQ-08- At the Outfall	0	0	0	1	1	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	-1	0	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	-1	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	1	1	0	-1	-1	0	0	0	0
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	0	-2	0	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	1	0	-2	-1	0	0	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	1	1	1	1	1	1	0	1	1	1	1	1
HWQ14 - Lake Washington	5	5	3	2	2	1	2	3	4	5	7	9
HWQ16 - Bayou Grand Liard	1	3	2	2	2	1	1	1	3	3	3	3
CRMS 3985	0	0	0	0	0	0	-1	0	0	0	0	0
CRMS 0258	0	1	1	1	1	1	0	0	1	2	2	1
CRMS 0224	0	1	1	2	2	1	0	-1	1	1	1	1
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	2	0

Figure WQ SAL 79 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve

V3PR1_HYST - cy 1 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	18	11	8	6	5	8	15	13	16	21	15
HWQ-08- At the Outfall	2	4	3	4	3	2	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	3	6	5	4	3	2	2	2	3	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	3	4	4	3	2	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	15	13	6	5	4	4	3	7	5	7	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	2	5	5	5	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	26	21	14	10	7	7	12	18	17	21	24	17
HWQ14 - Lake Washington	4	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	14	8	4	2	3	5	11	11	13	18	9
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	9	11	6	2	1	2	1	2	10	11	11	8
CRMS 0224	10	13	7	4	3	2	3	4	7	8	11	11
CRMS 0163	5	2	0	0	0	0	0	0	1	2	2	0
CRMS 0162	5	7	0	0	0	0	0	0	1	1	6	0

V3PR9_HYST - cy 1 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	19	12	9	7	5	9	15	14	17	22	16
HWQ-08- At the Outfall	2	4	3	4	4	3	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	6	5	5	4	2	2	2	3	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	8	4	5	4	3	2	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	15	13	6	6	5	4	4	8	5	7	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	7	2	5	6	6	4	6	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	1	0	2	3	2	2	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	26	22	15	11	8	7	12	18	18	22	25	18
HWQ14 - Lake Washington	10	12	9	3	1	0	1	3	4	6	9	8
HWQ16 - Bayou Grand Liard	19	17	12	5	4	2	5	8	11	15	20	13
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	9	12	7	4	3	1	1	1	6	8	11	8
CRMS 0224	10	13	8	6	5	3	3	4	6	7	12	12
CRMS 0163	4	1	0	0	0	0	0	0	0	1	2	0
CRMS 0162	6	8	0	0	0	0	0	0	1	0	8	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	0	0	1	1	1	1	1
HWQ-08- At the Outfall	0	0	0	0	1	1	0	0	0	-1	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	0	-1	-1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	1	1	0	0	0	0	0	0	0
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	1	0	1	0	0	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	1	1	0	0	0	0	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	0	0	0	1	1	1	1
HWQ14 - Lake Washington	6	11	9	3	1	0	1	3	4	5	9	7
HWQ16 - Bayou Grand Liard	1	3	4	2	1	-1	-1	-3	0	2	2	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	1	2	1	-1	0	-1	-4	-3	0	0
CRMS 0224	0	0	1	2	2	1	0	0	-1	-1	0	1
CRMS 0163	-1	-1	0	0	0	0	0	0	0	0	-1	0
CRMS 0162	1	1	0	0	0	0	0	0	0	0	2	0

Figure WQ SAL 80 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve

V3PR1_HYST - cy 2 - 1985 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	13	9	7	7	8	14	21	16	17	18	11
HWQ-08- At the Outfall	2	3	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	2	2	2	2	4	4	4	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	7	4	4	3	3	3	4	4	4	8	7
USGS7380251 Barataria Bay North of Grand Isle	15	10	5	4	4	4	6	12	7	8	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	6	3	4	5	6	5	7	4	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	21	16	11	9	10	12	18	24	20	22	20	13
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	3	4	6	7	11	11	13	12	5
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	4	2	1	1	2	3	7	7	7	6
CRMS 0224	11	9	5	3	3	3	3	5	7	7	10	8
CRMS 0163	1	0	0	0	0	0	1	2	1	1	0	0
CRMS 0162	2	2	0	1	2	1	0	3	11	13	3	0

V3PR2_HYST - cy 2 - 1985 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	12	8	2	2	2	4	12	20	15	16	13	3
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	1	0	0	0	0	0	3	3	3	2	0
USGS7380251 Barataria Bay North of Grand Isle	4	2	0	0	0	0	2	11	6	7	5	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	1	0	0	1	1	1	7	3	3	2	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	16	12	6	5	5	9	17	24	20	22	17	7
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	9	7	3	2	3	4	4	10	10	12	11	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	1	0	1	6	6	3	1
CRMS 0224	2	1	0	0	0	1	0	3	6	6	3	1
CRMS 0163	1	0	0	0	0	0	1	2	0	1	0	0
CRMS 0162	2	2	0	1	2	1	0	3	10	11	3	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-8	-5	-7	-5	-5	-4	-3	-1	-1	-1	-5	-8
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-2	-2	-2	-2	-2	-2	-4	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-9	-6	-4	-4	-3	-3	-3	-1	-1	-1	-7	-7
USGS7380251 Barataria Bay North of Grand Isle	-11	-7	-5	-4	-4	-3	-4	0	-1	-1	-7	-9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-5	-3	-4	-5	-5	-4	0	-1	0	-4	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-1	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-5	-4	-5	-5	-5	-3	-2	-1	-1	0	-3	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-1	-1	-1	-1	-1	-3	-1	-1	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-6	-5	-3	-1	-1	-1	-2	-2	-1	-1	-4	-5
CRMS 0224	-9	-8	-5	-3	-3	-2	-3	-1	-1	-1	-7	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-1	-2	0	0

Figure WQ SAL 81 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	9	7	6	7	14	19	16	18	21	17
HWQ-08- At the Outfall	2	4	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	6	5	3	2	1	2	2	3	4	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	8	4	4	3	3	3	3	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	17	11	5	4	4	4	6	10	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	8	3	5	5	5	5	6	4	4	7	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	25	14	11	9	8	11	18	22	20	23	24	20
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	2	1	0
HWQ16 - Bayou Grand Liard	18	6	4	3	2	4	7	10	11	14	17	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	3	2	1	1	2	3	7	8	12	9
CRMS 0224	11	10	5	3	3	2	3	4	7	7	12	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	3	1	0	1	0	1	0	4	16	20	8	1

V3PR2_HYST - cy 2 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	5	2	1	1	4	12	18	15	17	20	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	2	2	3	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	0	0	0	1	3	3	3	7	2
USGS7380251 Barataria Bay North of Grand Isle	10	1	0	0	0	0	3	9	6	8	12	5
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	1	0	0	0	1	2	6	3	4	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	23	9	5	5	3	9	17	22	20	22	23	17
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	1	1	0
HWQ16 - Bayou Grand Liard	15	5	3	2	1	3	5	9	10	13	16	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	2	0	0	0	0	0	1	6	7	10	6
CRMS 0224	6	1	0	0	0	0	0	3	5	6	10	6
CRMS 0163	2	0	0	0	0	0	1	1	1	1	1	0
CRMS 0162	3	1	0	1	0	1	0	3	14	16	9	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-7	-7	-5	-5	-3	-2	0	-1	-1	-1	-4
HWQ-08- At the Outfall	-2	-4	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-6	-5	-3	-2	-1	-2	-1	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-8	-4	-4	-3	-3	-2	-1	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-6	-10	-5	-4	-4	-3	-3	0	-1	-1	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-7	-3	-4	-5	-4	-3	0	-1	0	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-3	-2	-2	-1	0	0	0	-1
USGS073802516 Barataria Pass at Grand Isle	-2	-5	-6	-5	-5	-2	-1	0	0	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-2	0	0
HWQ16 - Bayou Grand Liard	-2	-1	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-6	-3	-1	-1	-1	-1	-2	-1	-1	-2	-3
CRMS 0224	-5	-9	-5	-3	-2	-2	-2	-1	-1	-1	-2	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-2	-4	0	0

Figure WQ SAL 82 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	16	14	11	10	10	17	23	19	19	19	17
HWQ-08- At the Outfall	2	5	4	4	4	3	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	4	7	5	5	5	3	2	2	4	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	4	5	4	4	2	5	4	5	10	6
USGS7380251 Barataria Bay North of Grand Isle	18	13	6	6	6	5	5	14	9	10	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	7	7	4	8	5	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	28	18	17	14	13	15	21	26	23	23	22	20
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	7	1	1	0
HWQ16 - Bayou Grand Liard	20	9	10	7	6	8	8	13	14	14	14	12
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	10	10	8	4	4	4	3	3	9	12	10	8
CRMS 0224	12	13	7	6	6	4	3	5	9	9	12	10
CRMS 0163	5	0	1	1	0	1	2	3	8	1	1	1
CRMS 0162	7	2	3	6	4	3	4	16	27	10	5	1

V3PR2_HYST - cy 2 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	11	8	6	8	17	22	18	17	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	1	0	1	0	0	2	2	3	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	8	2	1	1	1	1	1	3	3	3	7	3
USGS7380251 Barataria Bay North of Grand Isle	16	4	3	3	1	2	5	12	7	8	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	3	1	3	3	4	4	7	4	3	4	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	15	15	12	10	14	22	25	22	22	21	18
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	5	1	1	0
HWQ16 - Bayou Grand Liard	19	8	9	7	6	7	8	12	13	13	14	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	4	3	3	2	2	1	2	8	9	8	6
CRMS 0224	9	4	2	3	2	2	2	3	7	7	9	7
CRMS 0163	5	0	1	1	0	1	2	3	6	1	1	1
CRMS 0162	7	2	3	6	4	2	3	15	27	7	5	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-5	-3	-3	-4	-2	0	-1	-1	-2	-1	-2
HWQ-08- At the Outfall	-2	-5	-4	-4	-4	-3	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-7	-5	-4	-4	-3	-2	-1	-2	-3	-3	-3
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-8	-3	-3	-4	-2	-1	-1	-1	-2	-3	-3
USGS7380251 Barataria Bay North of Grand Isle	-2	-9	-4	-4	-5	-3	0	-2	-2	-2	-3	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-6	-2	-3	-4	-3	0	-1	-1	-1	-2	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-3	-2	-2	-3	-1	0	0	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-2	-1	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-1	-1	-1	-2	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-1	-5	-4	-1	-1	-1	-2	-2	-2	-2	-2	-2
CRMS 0224	-2	-8	-5	-3	-3	-2	-1	-2	-2	-2	-3	-3
CRMS 0163	0	0	0	0	0	0	0	0	-3	0	0	0
CRMS 0162	0	0	0	0	0	0	-1	-1	0	-2	0	0

Figure WQ SAL 83 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	11	10	8	8	6	10	14	13	16	21	19
HWQ-08- At the Outfall	2	4	3	3	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	3	2	2	2	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	8	4	4	4	4	3	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	10	6	5	5	4	5	7	5	7	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	7	4	5	6	6	5	7	3	3	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	22	13	13	11	11	10	14	17	17	21	24	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	16	5	5	4	4	3	5	7	8	11	16	15
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	8	7	3	2	2	1	1	2	4	6	10	12
CRMS 0224	11	9	5	4	4	3	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	5	6	9	3

V3PR2_HYST - cy 2 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	13	4	3	2	2	2	3	9	12	15	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	2	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	0	2	2	7	3
USGS7380251 Barataria Bay North of Grand Isle	4	1	0	0	0	0	0	1	4	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	1	0	0	1	1	0	1	2	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	17	8	7	6	6	5	9	14	17	21	23	21
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	10	4	3	3	3	2	1	3	7	11	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	1	1	0	0	0	3	5	9	9
CRMS 0224	2	1	0	1	1	0	0	0	3	5	9	8
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	4	5	9	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-7	-7	-6	-6	-5	-7	-5	0	0	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-3	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-3	-2	-2	-2	-2	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-9	-8	-4	-4	-4	-3	-3	-3	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-11	-9	-5	-5	-5	-4	-5	-6	-1	0	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-7	-3	-5	-5	-5	-5	-5	-1	0	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-3	-2	-2	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-5	-5	-5	-5	-4	-5	-3	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-1	-2	-1	-1	-2	-3	-4	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-6	-6	-3	-2	-1	-1	-1	-2	-1	-1	-1	-2
CRMS 0224	-9	-9	-5	-3	-3	-3	-3	-3	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	-1	-1	0	-1

Figure WQ SAL 84 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	19	12	8	6	5	9	16	14	16	21	15
HWQ-08- At the Outfall	2	5	4	4	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	8	6	4	3	1	2	2	3	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	5	5	4	3	3	5	4	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	18	14	7	5	5	4	4	9	6	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	6	5	4	7	4	4	6	6
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	27	22	15	10	8	7	13	19	18	21	24	17
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	19	14	9	4	2	2	4	8	9	12	17	9
CRMS 3985	0	0	0	1	2	1	1	1	0	0	0	0
CRMS 0258	10	14	8	2	1	1	1	2	5	6	10	9
CRMS 0224	12	14	9	4	3	2	2	4	6	6	11	11
CRMS 0163	4	1	0	0	0	0	0	1	0	1	1	0
CRMS 0162	6	6	1	2	0	0	0	0	7	14	9	0

V3PR2_HYST - cy 2 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	17	5	2	1	1	3	13	13	16	20	8
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	2	0	0	0	0	0	0	1	1	2	0
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	0	0	0	0	0	1	2	3	7	0
USGS7380251 Barataria Bay North of Grand Isle	15	11	1	0	0	0	0	4	5	7	12	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	6	1	1	1	1	0	3	3	3	5	1
USGS 07380335 - Little Lake Near Cutoff	1	1	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	21	10	6	3	3	8	17	18	21	23	12
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	13	8	3	1	1	1	5	8	12	16	8
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	11	3	1	0	0	0	0	4	6	9	3
CRMS 0224	9	10	3	1	0	0	0	1	4	5	9	3
CRMS 0163	4	1	0	0	0	0	0	1	0	1	1	0
CRMS 0162	6	5	1	1	0	0	0	0	5	13	9	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-7	-6	-5	-4	-6	-3	0	0	-1	-8
HWQ-08- At the Outfall	-2	-5	-4	-4	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-5	-6	-4	-3	-1	-2	-2	-2	-2	-3	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-4	-5	-4	-3	-3	-4	-1	-1	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-3	-4	-6	-5	-5	-4	-4	-5	-1	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-2	-5	-5	-5	-4	-5	-1	-1	-2	-5
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-2	-3	-3	-2	-2	-1	0	0	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-5	-5	-4	-4	-5	-2	0	0	-1	-5
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-3	-3	0	0	-1	-1
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-3	-5	-2	-1	0	-1	-2	-2	-1	-1	-5
CRMS 0224	-3	-4	-6	-4	-3	-2	-2	-3	-2	-1	-2	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	-2	-2	0	0

Figure WQ SAL 85 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1985 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	13	9	7	7	8	14	21	16	17	18	11
HWQ-08- At the Outfall	2	3	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	2	2	2	2	4	4	4	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	7	4	4	3	3	3	4	4	4	8	7
USGS7380251 Barataria Bay North of Grand Isle	15	10	5	4	4	4	6	12	7	8	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	6	3	4	5	6	5	7	4	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	21	16	11	9	10	12	18	24	20	22	20	13
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	3	4	6	7	11	11	13	12	5
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	4	2	1	1	2	3	7	7	7	6
CRMS 0224	11	9	5	3	3	3	3	5	7	7	10	8
CRMS 0163	1	0	0	0	0	0	1	2	1	1	0	0
CRMS 0162	2	2	0	1	2	1	0	3	11	13	3	0

V3PR3_HYST - cy 2 - 1985 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	12	8	2	2	2	3	12	20	15	16	13	3
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	1	0	0	0	0	0	3	3	3	2	0
USGS7380251 Barataria Bay North of Grand Isle	4	2	0	0	0	0	2	11	6	7	5	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	1	0	0	1	1	1	7	3	3	2	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	16	12	6	5	5	9	17	24	20	22	17	7
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	9	7	3	2	3	4	4	10	10	12	11	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	1	0	1	6	6	3	1
CRMS 0224	1	1	0	0	0	1	0	3	6	6	3	1
CRMS 0163	1	0	0	0	0	0	1	2	0	1	0	0
CRMS 0162	2	2	0	1	2	1	0	3	11	12	3	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-8	-5	-7	-5	-5	-4	-3	0	-1	-1	-5	-8
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-2	-2	-2	-2	-2	-3	-4	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-9	-6	-4	-4	-3	-3	-3	-1	-1	-1	-7	-7
USGS7380251 Barataria Bay North of Grand Isle	-12	-7	-5	-4	-4	-3	-4	0	-1	-1	-7	-9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-5	-3	-4	-5	-5	-3	0	-1	0	-4	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-2	-2	-2	-1	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-5	-4	-5	-5	-5	-3	-2	0	-1	0	-3	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-7	-1	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-6	-5	-3	-1	-1	-1	-2	-2	-1	-1	-4	-5
CRMS 0224	-9	-8	-5	-3	-3	-2	-3	-1	-1	-1	-7	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-1	0	0

Figure WQ SAL 86 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	9	7	6	7	14	19	16	18	21	17
HWQ-08- At the Outfall	2	4	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	6	5	3	2	1	2	2	3	4	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	8	4	4	3	3	3	3	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	17	11	5	4	4	4	6	10	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	8	3	5	5	5	5	6	4	4	7	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	25	14	11	9	8	11	18	22	20	23	24	20
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	2	1	0
HWQ16 - Bayou Grand Liard	18	6	4	3	2	4	7	10	11	14	17	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	3	2	1	1	2	3	7	8	12	9
CRMS 0224	11	10	5	3	3	2	3	4	7	7	12	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	3	1	0	1	0	1	0	4	16	20	8	1

V3PR3_HYST - cy 2 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	5	2	2	1	4	12	18	15	17	20	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	1	2	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	0	0	0	1	3	3	3	7	2
USGS7380251 Barataria Bay North of Grand Isle	10	1	0	0	0	0	3	9	6	7	12	5
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	1	0	0	0	1	2	6	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	23	9	5	5	3	9	17	22	20	22	23	17
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	1	1	0
HWQ16 - Bayou Grand Liard	15	5	3	2	1	3	5	9	10	13	16	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	1	0	0	0	0	0	1	6	7	10	6
CRMS 0224	5	1	0	0	0	0	0	3	5	6	10	6
CRMS 0163	2	0	0	0	0	0	1	1	1	2	1	0
CRMS 0162	3	1	0	1	0	1	0	3	14	18	8	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-7	-7	-5	-5	-3	-2	0	-1	-1	-1	-4
HWQ-08- At the Outfall	-2	-4	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-6	-5	-3	-2	-1	-2	-1	-2	-3	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-8	-4	-4	-3	-3	-2	-1	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-7	-10	-5	-4	-4	-3	-3	0	-1	-1	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-7	-3	-4	-5	-4	-3	0	0	-1	-2	-4
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-1	0	0	0	-1
USGS073802516 Barataria Pass at Grand Isle	-2	-5	-6	-5	-5	-2	-1	0	0	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-1	0	0
HWQ16 - Bayou Grand Liard	-3	-1	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-6	-3	-1	-1	-1	-1	-2	-1	-1	-2	-3
CRMS 0224	-6	-9	-5	-3	-2	-2	-2	-1	-1	-1	-2	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-1	-2	0	0

Figure WQ SAL 87 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	16	14	11	10	10	17	23	19	19	19	17
HWQ-08- At the Outfall	2	5	4	4	4	3	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	4	7	5	5	5	3	2	2	4	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	4	5	4	4	2	5	4	5	10	6
USGS7380251 Barataria Bay North of Grand Isle	18	13	6	6	6	5	5	14	9	10	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	7	7	4	8	5	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	28	18	17	14	13	15	21	26	23	23	22	20
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	7	1	1	0
HWQ16 - Bayou Grand Liard	20	9	10	7	6	8	8	13	14	14	14	12
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	10	10	8	4	4	4	3	3	9	12	10	8
CRMS 0224	12	13	7	6	6	4	3	5	9	9	12	10
CRMS 0163	5	0	1	1	0	1	2	3	8	1	1	1
CRMS 0162	7	2	3	6	4	3	4	16	27	10	5	1

V3PR3_HYST - cy 2 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	11	8	6	8	17	22	18	17	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	2	1	2	1
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	7	2	1	1	1	1	1	4	3	3	7	3
USGS7380251 Barataria Bay North of Grand Isle	15	4	3	3	1	2	5	12	7	8	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	3	1	3	2	4	4	8	4	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	15	16	12	10	14	22	25	22	22	21	19
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	5	1	1	0
HWQ16 - Bayou Grand Liard	18	8	9	7	5	7	8	12	13	13	14	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	4	3	3	2	2	1	2	8	9	8	6
CRMS 0224	9	4	2	3	2	2	2	4	7	7	9	7
CRMS 0163	5	0	1	0	0	1	2	3	6	1	1	1
CRMS 0162	7	2	3	6	4	2	3	16	27	7	5	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-5	-2	-3	-4	-2	0	0	-1	-2	-1	-2
HWQ-08- At the Outfall	-2	-5	-4	-4	-4	-3	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-7	-5	-5	-4	-3	-2	-1	-2	-3	-4	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-8	-3	-4	-4	-2	-1	-1	-1	-2	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-2	-9	-4	-4	-5	-3	0	-1	-2	-2	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-6	-1	-3	-4	-3	0	-1	-1	-1	-2	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-3	-2	-2	-3	-1	0	0	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-2	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-5	-4	-1	-1	-1	-2	-2	-2	-2	-2	-2
CRMS 0224	-3	-9	-5	-3	-3	-2	-2	-2	-2	-2	-3	-3
CRMS 0163	0	0	0	0	0	0	0	0	-2	0	0	0
CRMS 0162	0	0	0	-1	0	0	0	-1	-1	-3	0	0

Figure WQ SAL 88 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	11	10	8	8	6	10	14	13	16	21	19
HWQ-08- At the Outfall	2	4	3	3	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	3	2	2	2	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	8	4	4	4	4	3	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	10	6	5	5	4	5	7	5	7	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	7	4	5	6	6	5	7	3	3	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	22	13	13	11	11	10	14	17	17	21	24	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	16	5	5	4	4	3	5	7	8	11	16	15
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	8	7	3	2	2	1	1	2	4	6	10	12
CRMS 0224	11	9	5	4	4	3	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	5	6	9	3

V3PR3_HYST - cy 2 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	13	4	3	2	2	2	3	9	12	15	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	0	2	2	7	3
USGS7380251 Barataria Bay North of Grand Isle	4	1	0	0	0	0	0	1	4	6	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	1	0	0	1	1	0	1	2	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	17	8	7	6	6	5	9	14	17	21	23	21
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	10	4	3	3	3	2	1	3	7	11	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	1	1	0	0	0	3	5	8	9
CRMS 0224	2	1	0	1	1	0	0	0	3	5	9	8
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	4	5	10	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-7	-7	-6	-6	-5	-7	-5	0	0	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-3	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-3	-2	-2	-2	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-9	-8	-4	-4	-4	-3	-3	-3	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-11	-9	-5	-5	-5	-4	-5	-6	-1	0	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-6	-3	-5	-5	-5	-5	-5	-1	0	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-3	-2	-2	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-5	-5	-5	-5	-5	-4	-5	-3	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-1	-2	-1	-1	-2	-3	-4	0	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-6	-6	-3	-2	-1	-1	-1	-2	-2	-1	-1	-2
CRMS 0224	-9	-9	-5	-3	-3	-3	-3	-3	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	-1	-1	0	0

Figure WQ SAL 89 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	19	12	8	6	5	9	16	14	16	21	15
HWQ-08- At the Outfall	2	5	4	4	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	8	6	4	3	1	2	2	3	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	5	5	4	3	3	5	4	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	18	14	7	5	5	4	4	9	6	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	6	5	4	7	4	4	6	6
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	27	22	15	10	8	7	13	19	18	21	24	17
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	19	14	9	4	2	2	4	8	9	12	17	9
CRMS 3985	0	0	0	1	2	1	1	1	0	0	0	0
CRMS 0258	10	14	8	2	1	1	1	2	5	6	10	9
CRMS 0224	12	14	9	4	3	2	2	4	6	6	11	11
CRMS 0163	4	1	0	0	0	0	0	1	0	1	1	0
CRMS 0162	6	6	1	2	0	0	0	0	7	14	9	0

V3PR3_HYST - cy 2 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	18	5	2	1	1	3	13	13	16	20	7
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	1	1	0
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	0	0	0	0	0	1	2	3	7	0
USGS7380251 Barataria Bay North of Grand Isle	16	11	1	0	0	0	0	4	5	7	12	2
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	6	1	1	1	1	0	3	3	3	5	1
USGS 07380335 - Little Lake Near Cutoff	2	1	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	21	10	6	3	3	8	17	18	21	23	12
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	14	8	3	1	1	1	5	8	12	16	8
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	11	3	1	0	0	0	0	4	6	9	3
CRMS 0224	9	10	3	1	0	0	0	1	4	5	9	3
CRMS 0163	4	1	0	0	0	0	0	1	0	1	1	0
CRMS 0162	7	5	1	1	0	0	0	0	5	11	9	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-7	-6	-5	-4	-6	-3	-1	0	-1	-8
HWQ-08- At the Outfall	-2	-5	-4	-4	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-6	-6	-4	-3	-1	-2	-2	-2	-2	-4	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-4	-5	-4	-3	-3	-4	-1	-1	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-6	-5	-5	-4	-4	-4	-1	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-3	-2	-5	-5	-5	-4	-5	-1	-1	-1	-5
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-2	-3	-3	-2	-2	-1	0	0	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-5	-5	-4	-4	-5	-2	0	0	-1	-5
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-3	-3	0	0	0	-1
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-3	-5	-2	-1	0	-1	-2	-2	-1	-1	-5
CRMS 0224	-2	-4	-6	-4	-3	-2	-2	-3	-2	-1	-2	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	-2	-3	0	0

Figure WQ SAL 90 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1985 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	13	9	7	7	8	14	21	16	17	18	11
HWQ-08- At the Outfall	2	3	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	2	2	2	2	4	4	4	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	7	4	4	3	3	3	4	4	4	8	7
USGS7380251 Barataria Bay North of Grand Isle	15	10	5	4	4	4	6	12	7	8	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	6	3	4	5	6	5	7	4	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	21	16	11	9	10	12	18	24	20	22	20	13
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	3	4	6	7	11	11	13	12	5
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	4	2	1	1	2	3	7	7	7	6
CRMS 0224	11	9	5	3	3	3	3	5	7	7	10	8
CRMS 0163	1	0	0	0	0	0	1	2	1	1	0	0
CRMS 0162	2	2	0	1	2	1	0	3	11	13	3	0

V3PR4_HYST - cy 2 - 1985 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	9	7	1	1	1	3	11	20	15	16	11	1
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	3	2	3	1	0
USGS7380251 Barataria Bay North of Grand Isle	2	1	0	0	0	0	2	11	5	7	3	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	1	0	0	0	1	1	7	3	3	1	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	14	11	4	3	4	8	16	23	19	22	16	5
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	8	6	3	2	2	4	4	10	10	12	10	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	1	0	0	0	0	0	1	6	6	2	0
CRMS 0224	1	1	0	0	0	1	0	3	5	5	2	0
CRMS 0163	1	0	0	0	0	0	1	1	0	1	0	0
CRMS 0162	2	3	0	1	2	1	0	2	8	9	3	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-11	-7	-8	-6	-6	-5	-3	-1	-1	-1	-6	-10
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-2	-2	-2	-2	-2	-3	-4	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-7	-4	-4	-3	-3	-3	-1	-1	-1	-8	-7
USGS7380251 Barataria Bay North of Grand Isle	-13	-8	-5	-4	-4	-4	-4	-1	-1	-1	-9	-9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7	-6	-3	-4	-5	-5	-4	0	-1	0	-4	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-1	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-7	-5	-7	-6	-6	-4	-2	-1	-1	-1	-4	-8
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-8	-2	-2	-1	-2	-2	-3	-2	-1	-1	-2	-2
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-7	-6	-4	-1	-1	-1	-2	-2	-1	-1	-5	-6
CRMS 0224	-10	-9	-5	-3	-3	-2	-3	-2	-2	-1	-8	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-4	-4	0	0

Figure WQ SAL 91 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	9	7	6	7	14	19	16	18	21	17
HWQ-08- At the Outfall	2	4	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	6	5	3	2	1	2	2	3	4	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	8	4	4	3	3	3	3	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	17	11	5	4	4	4	6	10	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	8	3	5	5	5	5	6	4	4	7	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	25	14	11	9	8	11	18	22	20	23	24	20
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	2	1	0
HWQ16 - Bayou Grand Liard	18	6	4	3	2	4	7	10	11	14	17	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	3	2	1	1	2	3	7	8	12	9
CRMS 0224	11	10	5	3	3	2	3	4	7	7	12	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	3	1	0	1	0	1	0	4	16	20	8	1

V3PR4_HYST - cy 2 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	3	1	1	0	4	12	18	15	17	20	12
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	1	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	0	0	0	0	3	2	3	7	2
USGS7380251 Barataria Bay North of Grand Isle	9	0	0	0	0	0	2	9	6	8	12	5
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	0	0	0	0	1	2	6	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	22	7	4	3	2	9	16	21	20	22	23	16
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	15	4	2	2	1	3	5	9	10	13	16	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	1	0	0	0	0	0	1	6	7	10	6
CRMS 0224	5	0	0	0	0	0	0	2	5	6	10	6
CRMS 0163	2	0	0	0	0	0	1	1	1	1	1	0
CRMS 0162	3	1	0	1	0	1	0	2	12	15	8	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-10	-8	-6	-5	-3	-3	-1	-1	-1	-1	-5
HWQ-08- At the Outfall	-2	-4	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-6	-5	-3	-2	-1	-2	-1	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-8	-4	-4	-3	-3	-2	-1	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-8	-10	-5	-4	-4	-3	-3	-1	-1	-1	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-7	-3	-4	-5	-4	-3	0	-1	0	-1	-4
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-3	-2	-2	-1	0	0	0	-1
USGS073802516 Barataria Pass at Grand Isle	-3	-7	-7	-6	-6	-3	-2	-1	-1	-1	-1	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-2	0	0
HWQ16 - Bayou Grand Liard	-3	-2	-2	-1	-1	-1	-2	-1	-1	-1	-1	-2
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-7	-3	-2	-1	-1	-2	-2	-1	-1	-2	-4
CRMS 0224	-6	-10	-5	-3	-3	-2	-2	-2	-1	-1	-2	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	-2	0	0
CRMS 0162	0	0	0	0	0	0	0	-2	-3	-4	0	0

Figure WQ SAL 92 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	16	14	11	10	10	17	23	19	19	19	17
HWQ-08- At the Outfall	2	5	4	4	4	3	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	4	7	5	5	5	3	2	2	4	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	4	5	4	4	2	5	4	5	10	6
USGS7380251 Barataria Bay North of Grand Isle	18	13	6	6	6	5	5	14	9	10	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	7	7	4	8	5	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	28	18	17	14	13	15	21	26	23	23	22	20
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	7	1	1	0
HWQ16 - Bayou Grand Liard	20	9	10	7	6	8	8	13	14	14	14	12
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	10	10	8	4	4	4	3	3	9	12	10	8
CRMS 0224	12	13	7	6	6	4	3	5	9	9	12	10
CRMS 0163	5	0	1	1	0	1	2	3	8	1	1	1
CRMS 0162	7	2	3	6	4	3	4	16	27	10	5	1

V3PR4_HYST - cy 2 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	9	10	8	5	8	17	22	17	16	18	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	2	1	2	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	7	1	1	1	0	1	1	3	3	3	6	3
USGS7380251 Barataria Bay North of Grand Isle	16	3	2	2	1	2	5	12	7	7	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	2	1	2	2	4	4	8	4	3	5	3
USGS 07380335 - Little Lake Near Cutoff	2	0	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	14	15	11	9	13	21	25	22	21	21	18
HWQ14 - Lake Washington	6	0	0	0	0	0	0	0	3	1	1	0
HWQ16 - Bayou Grand Liard	18	7	9	6	5	7	8	12	12	12	13	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	3	3	2	2	2	1	1	7	8	7	6
CRMS 0224	9	3	2	2	2	2	1	3	6	7	8	7
CRMS 0163	5	0	1	0	0	1	2	2	4	1	1	1
CRMS 0162	7	2	3	6	4	2	2	14	25	5	5	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-7	-3	-3	-5	-2	0	-1	-2	-2	-2	-2
HWQ-08- At the Outfall	-2	-5	-4	-4	-4	-3	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-7	-5	-5	-4	-3	-2	-1	-2	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-9	-3	-4	-4	-3	-1	-1	-1	-2	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-2	-10	-4	-4	-5	-3	0	-1	-2	-3	-3	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-7	-2	-3	-5	-3	0	-1	-1	-1	-2	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-4	-2	-3	-4	-2	0	-1	-1	-2	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-4	-1	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	-1	-2	-2	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-7	-5	-2	-2	-2	-2	-2	-2	-3	-2	-2
CRMS 0224	-2	-10	-5	-4	-4	-3	-2	-2	-2	-3	-3	-4
CRMS 0163	0	0	0	0	0	0	0	-1	-4	0	0	0
CRMS 0162	0	0	-1	0	0	0	-2	-3	-2	-5	0	0

Figure WQ SAL 93 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	11	10	8	8	6	10	14	13	16	21	19
HWQ-08- At the Outfall	2	4	3	3	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	3	2	2	2	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	8	4	4	4	4	3	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	10	6	5	5	4	5	7	5	7	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	7	4	5	6	6	5	7	3	3	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	22	13	13	11	11	10	14	17	17	21	24	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	16	5	5	4	4	3	5	7	8	11	16	15
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	8	7	3	2	2	1	1	2	4	6	10	12
CRMS 0224	11	9	5	4	4	3	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	5	6	9	3

V3PR4_HYST - cy 2 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	11	2	2	1	1	1	2	8	12	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	2	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	7	3
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	0	1	4	6	11	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	1	0	1	2	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	15	5	6	4	4	4	7	13	17	20	23	21
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	8	3	3	3	2	1	1	3	7	10	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	3	5	8	9
CRMS 0224	1	0	0	0	0	0	0	0	3	4	8	8
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	4	3	9	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-10	-9	-8	-7	-7	-5	-8	-6	-1	-1	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-3	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-3	-2	-2	-2	-2	-2	-3	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-8	-4	-4	-4	-3	-3	-3	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-13	-10	-6	-5	-5	-4	-5	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7	-7	-3	-5	-6	-6	-5	-6	-1	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-3	-2	-2	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-7	-7	-7	-6	-6	-5	-6	-4	-1	-1	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-7	-2	-2	-2	-1	-2	-4	-5	-1	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-7	-6	-3	-2	-2	-1	-1	-2	-2	-1	-2	-3
CRMS 0224	-10	-9	-5	-4	-3	-3	-3	-3	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	-1	-3	0	-1

Figure WQ SAL 94 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	19	12	8	6	5	9	16	14	16	21	15
HWQ-08- At the Outfall	2	5	4	4	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	8	6	4	3	1	2	2	3	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	5	5	4	3	3	5	4	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	18	14	7	5	5	4	4	9	6	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	6	5	4	7	4	4	6	6
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	27	22	15	10	8	7	13	19	18	21	24	17
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	19	14	9	4	2	2	4	8	9	12	17	9
CRMS 3985	0	0	0	1	2	1	1	1	0	0	0	0
CRMS 0258	10	14	8	2	1	1	1	2	5	6	10	9
CRMS 0224	12	14	9	4	3	2	2	4	6	6	11	11
CRMS 0163	4	1	0	0	0	0	0	1	0	1	1	0
CRMS 0162	6	6	1	2	0	0	0	0	7	14	9	0

V3PR4_HYST - cy 2 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	17	4	1	1	0	2	12	13	16	20	5
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	2	0	0	0	0	0	0	1	1	2	0
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	0	0	0	0	0	1	2	2	7	0
USGS7380251 Barataria Bay North of Grand Isle	16	11	1	0	0	0	0	4	4	7	12	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	6	1	0	0	0	0	3	3	3	5	1
USGS 07380335 - Little Lake Near Cutoff	2	1	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	21	8	4	2	2	7	17	18	21	23	10
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	13	7	2	1	1	1	5	8	11	16	7
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	10	2	0	0	0	0	0	3	5	9	2
CRMS 0224	9	10	2	0	0	0	0	1	4	5	9	2
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	6	5	1	1	0	0	0	0	4	11	8	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-9	-7	-6	-4	-7	-3	-1	-1	-1	-10
HWQ-08- At the Outfall	-2	-5	-4	-4	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-6	-4	-3	-1	-2	-2	-2	-2	-3	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-4	-5	-4	-3	-3	-4	-2	-1	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-6	-5	-5	-4	-4	-5	-1	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-3	-2	-5	-5	-5	-4	-5	-1	-1	-2	-5
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-2	-3	-3	-2	-2	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-7	-6	-6	-5	-6	-2	-1	0	-1	-7
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-2	-2	-1	-1	-3	-3	0	0	-1	-2
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-4	-5	-2	-1	-1	-1	-2	-2	-1	-2	-6
CRMS 0224	-2	-4	-7	-4	-3	-2	-2	-3	-2	-1	-2	-10
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	-3	-4	0	0

Figure WQ SAL 95 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1985 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	13	9	7	7	8	14	21	16	17	18	11
HWQ-08- At the Outfall	2	3	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	2	2	2	2	4	4	4	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	7	4	4	3	3	3	4	4	4	8	7
USGS7380251 Barataria Bay North of Grand Isle	15	10	5	4	4	4	6	12	7	8	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	6	3	4	5	6	5	7	4	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	21	16	11	9	10	12	18	24	20	22	20	13
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	3	4	6	7	11	11	13	12	5
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	4	2	1	1	2	3	7	7	7	6
CRMS 0224	11	9	5	3	3	3	3	5	7	7	10	8
CRMS 0163	1	0	0	0	0	0	1	2	1	1	0	0
CRMS 0162	2	2	0	1	2	1	0	3	11	13	3	0

V3PR5_HYST - cy 2 - 1985 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	9	6	1	1	1	3	11	20	15	16	11	1
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	3	3	3	1	0
USGS7380251 Barataria Bay North of Grand Isle	2	1	0	0	0	0	2	11	6	7	3	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	1	0	0	0	1	1	7	3	3	1	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	14	11	4	3	4	8	16	23	20	22	15	5
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	8	6	3	2	2	4	4	10	10	12	10	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	1	0	0	0	0	0	1	6	6	2	0
CRMS 0224	1	1	0	0	0	0	0	3	5	6	2	0
CRMS 0163	1	0	0	0	0	0	1	1	1	1	0	0
CRMS 0162	2	2	0	1	2	1	0	2	8	9	3	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-11	-7	-8	-6	-6	-5	-3	-1	-1	-1	-6	-10
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-2	-2	-2	-2	-2	-3	-4	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-7	-4	-4	-3	-3	-3	-1	-1	-1	-8	-7
USGS7380251 Barataria Bay North of Grand Isle	-13	-8	-5	-4	-4	-4	-4	-1	-1	-1	-9	-9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7	-6	-3	-4	-5	-5	-4	0	-1	0	-4	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-1	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-7	-5	-7	-6	-6	-4	-2	-1	-1	0	-4	-8
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-8	-2	-2	-1	-2	-2	-3	-2	-1	-1	-2	-2
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-7	-6	-4	-1	-1	-1	-2	-2	-1	-1	-5	-6
CRMS 0224	-10	-9	-5	-3	-3	-2	-3	-2	-1	-1	-8	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-3	-4	0	0

Figure WQ SAL 96 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	9	7	6	7	14	19	16	18	21	17
HWQ-08- At the Outfall	2	4	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	6	5	3	2	1	2	2	3	4	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	8	4	4	3	3	3	3	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	17	11	5	4	4	4	6	10	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	8	3	5	5	5	5	6	4	4	7	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	25	14	11	9	8	11	18	22	20	23	24	20
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	2	1	0
HWQ16 - Bayou Grand Liard	18	6	4	3	2	4	7	10	11	14	17	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	3	2	1	1	2	3	7	8	12	9
CRMS 0224	11	10	5	3	3	2	3	4	7	7	12	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	3	1	0	1	0	1	0	4	16	20	8	1

V3PR5_HYST - cy 2 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	3	1	1	1	4	12	18	15	17	20	12
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	1	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	0	0	0	0	3	2	3	7	2
USGS7380251 Barataria Bay North of Grand Isle	9	0	0	0	0	0	2	9	5	8	12	5
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	0	0	0	0	1	2	6	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	22	7	3	3	2	9	16	21	20	22	23	16
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	15	4	2	2	1	3	5	9	10	13	16	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	1	0	0	0	0	0	1	5	7	9	6
CRMS 0224	5	0	0	0	0	0	0	2	5	6	9	6
CRMS 0163	2	0	0	0	0	0	1	1	1	1	1	0
CRMS 0162	3	1	0	1	0	1	0	2	12	15	8	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-9	-8	-6	-5	-3	-3	-1	-1	-1	-1	-5
HWQ-08- At the Outfall	-2	-4	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-6	-5	-3	-2	-1	-2	-1	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-8	-4	-4	-3	-3	-2	-1	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-8	-10	-5	-4	-4	-3	-3	-1	-1	-1	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-7	-3	-4	-5	-4	-3	0	-1	0	-2	-4
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-3	-2	-2	-1	0	0	0	-1
USGS073802516 Barataria Pass at Grand Isle	-3	-7	-7	-6	-6	-3	-2	-1	-1	-1	-1	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-2	0	0
HWQ16 - Bayou Grand Liard	-3	-2	-2	-1	-1	-1	-2	-1	-1	-1	-1	-2
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-3	-7	-3	-2	-1	-1	-2	-2	-1	-1	-2	-4
CRMS 0224	-6	-10	-5	-3	-3	-2	-2	-2	-1	-1	-3	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	-2	0	0
CRMS 0162	0	0	0	0	0	0	0	-2	-4	-5	0	0

Figure WQ SAL 97 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	16	14	11	10	10	17	23	19	19	19	17
HWQ-08- At the Outfall	2	5	4	4	4	3	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	4	7	5	5	5	3	2	2	4	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	4	5	4	4	2	5	4	5	10	6
USGS7380251 Barataria Bay North of Grand Isle	18	13	6	6	6	5	5	14	9	10	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	7	7	4	8	5	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	28	18	17	14	13	15	21	26	23	23	22	20
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	7	1	1	0
HWQ16 - Bayou Grand Liard	20	9	10	7	6	8	8	13	14	14	14	12
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	10	10	8	4	4	4	3	3	9	12	10	8
CRMS 0224	12	13	7	6	6	4	3	5	9	9	12	10
CRMS 0163	5	0	1	1	0	1	2	3	8	1	1	1
CRMS 0162	7	2	3	6	4	3	4	16	27	10	5	1

V3PR5_HYST - cy 2 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	9	10	7	5	7	17	22	17	17	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	2	1	2	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	7	1	1	1	0	1	1	3	3	3	6	3
USGS7380251 Barataria Bay North of Grand Isle	16	3	2	2	1	2	5	12	7	8	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	2	1	2	2	4	4	8	4	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	14	15	11	9	13	21	25	22	22	21	18
HWQ14 - Lake Washington	6	0	0	0	0	0	0	0	4	1	1	0
HWQ16 - Bayou Grand Liard	18	7	9	6	5	7	7	12	12	12	13	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	3	2	2	2	2	1	1	7	8	7	6
CRMS 0224	9	3	2	2	2	2	1	3	6	7	9	7
CRMS 0163	5	0	1	0	0	1	2	2	4	1	1	1
CRMS 0162	7	2	3	6	3	2	2	14	26	6	5	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-7	-3	-4	-5	-2	0	-1	-2	-2	-1	-2
HWQ-08- At the Outfall	-2	-5	-4	-4	-4	-3	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-7	-5	-5	-5	-3	-2	-1	-2	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-9	-3	-4	-4	-3	-1	-1	-1	-2	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-2	-10	-4	-4	-5	-3	0	-2	-2	-2	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-7	-2	-3	-5	-3	0	-1	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-2	-1	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-4	-2	-3	-4	-2	0	0	-1	-2	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-3	-1	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	-1	-2	-2	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-7	-5	-2	-2	-2	-2	-2	-2	-3	-2	-2
CRMS 0224	-2	-10	-5	-4	-4	-3	-2	-2	-2	-2	-3	-4
CRMS 0163	0	0	0	0	0	0	0	0	-4	0	0	0
CRMS 0162	0	0	0	-1	0	-1	-1	-3	-2	-4	0	0

Figure WQ SAL 98 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	11	10	8	8	6	10	14	13	16	21	19
HWQ-08- At the Outfall	2	4	3	3	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	3	2	2	2	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	8	4	4	4	4	3	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	10	6	5	5	4	5	7	5	7	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	7	4	5	6	6	5	7	3	3	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	22	13	13	11	11	10	14	17	17	21	24	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	16	5	5	4	4	3	5	7	8	11	16	15
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	8	7	3	2	2	1	1	2	4	6	10	12
CRMS 0224	11	9	5	4	4	3	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	5	6	9	3

V3PR5_HYST - cy 2 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	11	2	2	1	1	1	2	8	12	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	7	3
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	0	1	4	6	11	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	1	0	1	2	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	15	5	6	4	4	4	7	13	17	20	23	20
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	8	3	3	3	2	1	1	3	7	11	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	5	8	9
CRMS 0224	1	0	0	0	0	0	0	0	3	4	8	8
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	3	3	9	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-10	-9	-8	-7	-7	-5	-8	-6	-1	-1	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-3	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-3	-2	-2	-2	-2	-2	-3	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-8	-4	-4	-4	-3	-3	-4	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-13	-10	-6	-5	-5	-4	-5	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7	-7	-3	-5	-6	-6	-5	-5	-1	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-3	-2	-2	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-7	-7	-7	-6	-6	-5	-6	-4	-1	0	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-7	-2	-2	-2	-1	-2	-4	-5	-1	0	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-7	-6	-3	-2	-2	-1	-1	-2	-2	-1	-2	-3
CRMS 0224	-10	-9	-5	-4	-3	-3	-3	-3	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	-2	-3	0	-1

Figure WQ SAL 99 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	19	12	8	6	5	9	16	14	16	21	15
HWQ-08- At the Outfall	2	5	4	4	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	8	6	4	3	1	2	2	3	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	5	5	4	3	3	5	4	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	18	14	7	5	5	4	4	9	6	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	6	5	4	7	4	4	6	6
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	27	22	15	10	8	7	13	19	18	21	24	17
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	19	14	9	4	2	2	4	8	9	12	17	9
CRMS 3985	0	0	0	1	2	1	1	1	0	0	0	0
CRMS 0258	10	14	8	2	1	1	1	2	5	6	10	9
CRMS 0224	12	14	9	4	3	2	2	4	6	6	11	11
CRMS 0163	4	1	0	0	0	0	0	1	0	1	1	0
CRMS 0162	6	6	1	2	0	0	0	0	7	14	9	0

V3PR5_HYST - cy 2 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	17	4	1	1	0	2	13	13	16	20	5
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	2	0	0	0	0	0	0	1	1	2	0
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	8	6	0	0	0	0	0	1	2	2	7	0
USGS7380251 Barataria Bay North of Grand Isle	16	11	1	0	0	0	0	4	4	7	12	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	6	1	0	0	0	0	3	3	3	5	1
USGS 07380335 - Little Lake Near Cutoff	2	1	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	21	8	4	2	2	7	17	18	21	23	10
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	13	7	2	1	1	1	5	8	11	16	7
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	10	2	0	0	0	0	0	3	5	9	2
CRMS 0224	9	10	2	0	0	0	0	1	4	5	9	2
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	6	5	1	1	0	0	0	0	4	11	9	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-9	-7	-6	-4	-7	-3	-1	-1	-1	-10
HWQ-08- At the Outfall	-2	-5	-4	-4	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-6	-4	-3	-1	-2	-2	-2	-2	-3	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-4	-5	-4	-3	-3	-4	-2	-1	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-6	-5	-5	-4	-4	-5	-2	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-3	-2	-5	-5	-5	-4	-5	-1	-1	-1	-5
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-2	-3	-3	-2	-2	-1	0	0	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-7	-7	-6	-5	-6	-2	-1	0	-1	-7
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-2	-2	-1	-1	-3	-3	-1	0	-1	-2
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-4	-5	-2	-1	-1	-1	-2	-2	-1	-2	-6
CRMS 0224	-2	-4	-7	-4	-3	-2	-2	-3	-2	-1	-2	-9
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	-3	-3	0	0

Figure WQ SAL 100 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1985 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	13	9	7	7	8	14	21	16	17	18	11
HWQ-08- At the Outfall	2	3	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	2	2	2	2	4	4	4	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	7	4	4	3	3	3	4	4	4	8	7
USGS7380251 Barataria Bay North of Grand Isle	15	10	5	4	4	4	6	12	7	8	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	6	3	4	5	6	5	7	4	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	21	16	11	9	10	12	18	24	20	22	20	13
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	3	4	6	7	11	11	13	12	5
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	4	2	1	1	2	3	7	7	7	6
CRMS 0224	11	9	5	3	3	3	3	5	7	7	10	8
CRMS 0163	1	0	0	0	0	0	1	2	1	1	0	0
CRMS 0162	2	2	0	1	2	1	0	3	11	13	3	0

V3PR6_HYST - cy 2 - 1985 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	4	4	0	0	0	2	11	20	14	16	7	0
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	2	1	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	3	2	2	0	0
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	2	10	5	7	1	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	1	7	3	3	0	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	8	8	1	1	2	7	16	23	19	21	12	2
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	6	5	1	1	1	3	3	9	10	12	9	2
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	1	5	6	1	0
CRMS 0224	0	0	0	0	0	0	0	3	5	5	1	0
CRMS 0163	1	0	0	0	0	0	1	1	0	1	0	0
CRMS 0162	2	3	0	1	2	1	0	2	8	8	3	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-16	-9	-9	-7	-7	-6	-4	-1	-1	-1	-11	-11
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-2	-2	-2	-2	-3	-2	-4	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-7	-4	-4	-3	-3	-3	-1	-1	-2	-8	-7
USGS7380251 Barataria Bay North of Grand Isle	-15	-9	-5	-4	-4	-4	-4	-1	-1	-2	-11	-9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-6	-3	-4	-5	-6	-4	0	-1	-1	-5	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-1	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-13	-7	-10	-8	-8	-5	-3	-1	-1	-1	-8	-11
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-10	-3	-3	-2	-2	-3	-4	-2	-1	-1	-3	-3
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-8	-6	-4	-2	-1	-1	-2	-2	-2	-2	-6	-6
CRMS 0224	-11	-9	-5	-3	-3	-3	-3	-2	-2	-2	-9	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	-1	0	-1	-4	-5	0	0

Figure WQ SAL 101 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	9	7	6	7	14	19	16	18	21	17
HWQ-08- At the Outfall	2	4	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	6	5	3	2	1	2	2	3	4	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	8	4	4	3	3	3	3	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	17	11	5	4	4	4	6	10	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	8	3	5	5	5	5	6	4	4	7	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	25	14	11	9	8	11	18	22	20	23	24	20
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	2	1	0
HWQ16 - Bayou Grand Liard	18	6	4	3	2	4	7	10	11	14	17	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	3	2	1	1	2	3	7	8	12	9
CRMS 0224	11	10	5	3	3	2	3	4	7	7	12	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	3	1	0	1	0	1	0	4	16	20	8	1

V3PR6_HYST - cy 2 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	16	1	0	0	0	4	11	18	15	17	20	10
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	0	2	3	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	0	0	0	0	0	0	2	2	2	7	2
USGS7380251 Barataria Bay North of Grand Isle	6	0	0	0	0	0	2	8	6	7	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	0	0	0	0	0	1	6	3	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	20	4	1	1	1	8	16	21	20	22	23	14
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	13	3	1	1	0	2	5	9	10	13	16	9
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	0	0	0	0	0	0	1	5	7	9	5
CRMS 0224	4	0	0	0	0	0	0	2	5	6	10	5
CRMS 0163	2	0	0	0	0	0	1	1	1	1	1	0
CRMS 0162	4	2	0	1	0	1	0	2	11	14	8	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-12	-8	-7	-6	-4	-3	-1	-1	-1	-1	-7
HWQ-08- At the Outfall	-2	-4	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-5	-3	-2	-1	-2	-2	-3	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-8	-4	-4	-3	-3	-3	-1	-1	-1	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-10	-11	-5	-4	-4	-3	-4	-1	-1	-1	-3	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-7	-3	-5	-5	-5	-4	0	0	0	-1	-4
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-1	0	0	0	-1
USGS073802516 Barataria Pass at Grand Isle	-5	-11	-10	-8	-7	-3	-2	-1	-1	-1	-1	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-2	0	0
HWQ16 - Bayou Grand Liard	-5	-3	-3	-2	-2	-2	-2	-2	-1	-1	-1	-2
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-7	-3	-2	-1	-1	-2	-2	-2	-1	-2	-4
CRMS 0224	-7	-10	-5	-3	-3	-2	-3	-2	-2	-2	-2	-7
CRMS 0163	0	0	0	0	0	0	0	0	0	-2	0	0
CRMS 0162	0	0	0	0	0	0	0	-2	-4	-6	0	0

Figure WQ SAL 102 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	16	14	11	10	10	17	23	19	19	19	17
HWQ-08- At the Outfall	2	5	4	4	4	3	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	4	7	5	5	5	3	2	2	4	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	4	5	4	4	2	5	4	5	10	6
USGS7380251 Barataria Bay North of Grand Isle	18	13	6	6	6	5	5	14	9	10	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	7	7	4	8	5	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	28	18	17	14	13	15	21	26	23	23	22	20
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	7	1	1	0
HWQ16 - Bayou Grand Liard	20	9	10	7	6	8	8	13	14	14	14	12
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	10	10	8	4	4	4	3	3	9	12	10	8
CRMS 0224	12	13	7	6	6	4	3	5	9	9	12	10
CRMS 0163	5	0	1	1	0	1	2	3	8	1	1	1
CRMS 0162	7	2	3	6	4	3	4	16	27	10	5	1

V3PR6_HYST - cy 2 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	6	9	7	3	7	16	22	17	16	18	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	0	0	0	0	0	0	0	1	2	3	4
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	0	0	1	0	1	1	3	3	2	6	2
USGS7380251 Barataria Bay North of Grand Isle	15	1	1	2	0	2	5	12	7	7	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	1	1	2	1	3	3	9	4	3	5	3
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	12	14	11	7	13	21	25	22	21	21	18
HWQ14 - Lake Washington	6	0	0	0	0	0	0	0	3	0	1	0
HWQ16 - Bayou Grand Liard	18	6	8	6	4	6	7	12	12	12	13	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	1	1	1	1	1	1	2	7	8	7	6
CRMS 0224	9	1	1	1	1	1	1	4	6	6	9	6
CRMS 0163	5	0	1	0	0	1	2	2	3	1	1	1
CRMS 0162	7	2	3	5	4	2	2	13	25	5	5	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-10	-5	-4	-7	-3	0	0	-2	-2	-2	-2
HWQ-08- At the Outfall	-2	-5	-4	-4	-4	-3	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-1	-7	-5	-5	-4	-3	-2	-1	-3	-2	-3	-2
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-10	-4	-4	-4	-3	-1	-1	-1	-2	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-3	-12	-5	-4	-5	-4	-1	-1	-2	-3	-3	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-8	-2	-4	-5	-4	0	0	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-2	-2	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-6	-4	-4	-6	-2	0	0	-2	-2	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-4	-1	0	0
HWQ16 - Bayou Grand Liard	-1	-3	-2	-1	-2	-1	-1	-1	-2	-2	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-1	-8	-6	-3	-3	-2	-2	-2	-2	-4	-2	-2
CRMS 0224	-2	-12	-6	-5	-5	-3	-2	-2	-2	-3	-3	-4
CRMS 0163	0	0	0	0	0	0	0	0	-5	0	0	0
CRMS 0162	0	0	0	-1	0	0	-2	-4	-2	-5	0	0

Figure WQ SAL 103 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	11	10	8	8	6	10	14	13	16	21	19
HWQ-08- At the Outfall	2	4	3	3	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	3	2	2	2	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	8	4	4	4	4	3	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	10	6	5	5	4	5	7	5	7	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	7	4	5	6	6	5	7	3	3	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	22	13	13	11	11	10	14	17	17	21	24	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	16	5	5	4	4	3	5	7	8	11	16	15
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	8	7	3	2	2	1	1	2	4	6	10	12
CRMS 0224	11	9	5	4	4	3	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	5	6	9	3

V3PR6_HYST - cy 2 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	5	0	1	0	0	0	1	6	11	15	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	2	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	3
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	0	1	3	6	11	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	1	2	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	10	2	3	2	2	2	5	11	16	20	23	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	6	2	1	2	1	1	0	2	7	10	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	5	8	9
CRMS 0224	0	0	0	0	0	0	0	0	2	4	9	8
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	3	2	9	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-16	-11	-9	-8	-8	-6	-9	-8	-1	-1	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-3	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-3	-2	-2	-2	-2	-2	-2	-3
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-8	-4	-4	-4	-4	-3	-4	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-15	-10	-6	-5	-5	-4	-5	-7	-2	-1	-3	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-7	-4	-5	-6	-6	-5	-6	-1	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-3	-2	-2	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-12	-11	-9	-9	-8	-7	-9	-6	-1	-1	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-10	-3	-4	-2	-2	-3	-5	-5	-1	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-8	-7	-3	-2	-2	-1	-1	-2	-2	-1	-2	-3
CRMS 0224	-11	-9	-5	-4	-4	-3	-3	-4	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	-2	-4	-1	-1

Figure WQ SAL 104 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	19	12	8	6	5	9	16	14	16	21	15
HWQ-08- At the Outfall	2	5	4	4	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	8	6	4	3	1	2	2	3	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	5	5	4	3	3	5	4	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	18	14	7	5	5	4	4	9	6	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	6	5	4	7	4	4	6	6
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	27	22	15	10	8	7	13	19	18	21	24	17
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	19	14	9	4	2	2	4	8	9	12	17	9
CRMS 3985	0	0	0	1	2	1	1	1	0	0	0	0
CRMS 0258	10	14	8	2	1	1	1	2	5	6	10	9
CRMS 0224	12	14	9	4	3	2	2	4	6	6	11	11
CRMS 0163	4	1	0	0	0	0	0	1	0	1	1	0
CRMS 0162	6	6	1	2	0	0	0	0	7	14	9	0

V3PR6_HYST - cy 2 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	17	2	0	0	0	1	12	13	15	20	2
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	3	1	0	0	0	0	0	0	1	2	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	7	6	0	0	0	0	0	1	2	2	6	0
USGS7380251 Barataria Bay North of Grand Isle	15	10	1	0	0	0	0	3	4	7	11	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	6	0	0	0	0	0	2	3	3	5	0
USGS 07380335 - Little Lake Near Cutoff	2	1	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	21	5	2	1	1	4	16	18	21	23	6
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	13	5	2	0	0	0	4	8	11	16	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	9	10	2	0	0	0	0	0	3	5	9	1
CRMS 0224	9	10	1	0	0	0	0	1	3	5	9	1
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	6	5	1	2	0	0	0	0	4	10	8	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-10	-8	-6	-5	-8	-4	-1	-1	-1	-13
HWQ-08- At the Outfall	-2	-5	-4	-4	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-1	-4	-6	-4	-3	-1	-2	-2	-3	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-5	-4	-5	-4	-3	-3	-4	-2	-1	-4	-8
USGS7380251 Barataria Bay North of Grand Isle	-3	-4	-6	-5	-5	-4	-4	-6	-2	-1	-3	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-3	-3	-5	-6	-5	-4	-5	-1	-1	-1	-6
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-3	-3	-2	-2	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-10	-9	-7	-6	-8	-3	-1	0	-1	-11
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-4	-2	-2	-2	-4	-4	-1	0	-1	-4
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-1	-4	-6	-2	-1	-1	-1	-2	-2	-1	-2	-7
CRMS 0224	-2	-5	-8	-4	-3	-2	-2	-4	-2	-1	-2	-11
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	-3	-5	-1	0

Figure WQ SAL 105 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1985 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	13	9	7	7	8	14	21	16	17	18	11
HWQ-08- At the Outfall	2	3	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	2	2	2	2	4	4	4	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	7	4	4	3	3	3	4	4	4	8	7
USGS7380251 Barataria Bay North of Grand Isle	15	10	5	4	4	4	6	12	7	8	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	6	3	4	5	6	5	7	4	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	21	16	11	9	10	12	18	24	20	22	20	13
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	3	4	6	7	11	11	13	12	5
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	4	2	1	1	2	3	7	7	7	6
CRMS 0224	11	9	5	3	3	3	3	5	7	7	10	8
CRMS 0163	1	0	0	0	0	0	1	2	1	1	0	0
CRMS 0162	2	2	0	1	2	1	0	3	11	13	3	0

V3PR7_HYST - cy 2 - 1985 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	4	4	0	0	0	2	11	20	15	16	7	0
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	2	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	3	2	2	0	0
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	1	10	5	7	1	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	1	7	3	3	0	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	8	8	1	1	2	7	16	23	19	21	12	2
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	6	5	1	1	1	3	3	9	10	12	9	2
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	1	6	6	1	0
CRMS 0224	0	0	0	0	0	0	0	3	5	5	1	0
CRMS 0163	1	0	0	0	0	0	1	2	0	1	0	0
CRMS 0162	2	3	0	1	2	1	0	1	8	8	4	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-16	-9	-9	-7	-7	-6	-4	-1	-1	-1	-11	-11
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-2	-2	-2	-2	-3	-2	-4	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-7	-4	-4	-3	-3	-3	-1	-1	-2	-8	-7
USGS7380251 Barataria Bay North of Grand Isle	-15	-9	-5	-4	-4	-4	-4	-1	-1	-2	-11	-9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-6	-3	-4	-5	-6	-4	0	-1	0	-5	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-1	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-13	-7	-10	-8	-8	-5	-3	-1	-1	-1	-8	-11
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-10	-3	-3	-2	-2	-2	-4	-2	-1	-1	-3	-3
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-8	-6	-4	-2	-1	-1	-2	-2	-2	-1	-6	-6
CRMS 0224	-11	-9	-5	-3	-3	-3	-3	-2	-2	-2	-9	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	-2	-4	-5	0	0

Figure WQ SAL 106 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	9	7	6	7	14	19	16	18	21	17
HWQ-08- At the Outfall	2	4	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	6	5	3	2	1	2	2	3	4	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	8	4	4	3	3	3	3	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	17	11	5	4	4	4	6	10	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	8	3	5	5	5	5	6	4	4	7	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	25	14	11	9	8	11	18	22	20	23	24	20
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	2	1	0
HWQ16 - Bayou Grand Liard	18	6	4	3	2	4	7	10	11	14	17	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	3	2	1	1	2	3	7	8	12	9
CRMS 0224	11	10	5	3	3	2	3	4	7	7	12	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	3	1	0	1	0	1	0	4	16	20	8	1

V3PR7_HYST - cy 2 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	16	1	0	0	0	3	11	18	15	17	20	10
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	1	2	3	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	0	0	0	0	0	0	2	3	3	7	2
USGS7380251 Barataria Bay North of Grand Isle	6	0	0	0	0	0	2	8	6	7	12	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	0	0	0	0	0	1	6	4	3	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	20	3	1	1	1	8	16	21	20	22	23	14
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	13	3	1	1	0	2	5	9	10	13	16	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	0	0	0	0	0	0	1	5	7	10	5
CRMS 0224	4	0	0	0	0	0	0	2	5	6	10	5
CRMS 0163	2	0	0	0	0	0	1	1	1	1	1	0
CRMS 0162	4	2	0	1	0	1	0	2	11	13	8	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-12	-8	-7	-6	-4	-3	-1	-1	-1	-1	-7
HWQ-08- At the Outfall	-2	-4	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-5	-3	-2	-1	-2	-2	-3	-2	-2	-5
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-8	-4	-4	-3	-3	-3	-1	-1	-1	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-10	-11	-5	-4	-4	-3	-4	-1	-1	-1	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-8	-3	-5	-5	-5	-4	0	0	0	-1	-4
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-1	0	0	0	-1
USGS073802516 Barataria Pass at Grand Isle	-5	-11	-10	-8	-7	-3	-2	-1	-1	-1	-1	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-2	0	0
HWQ16 - Bayou Grand Liard	-5	-3	-3	-2	-2	-2	-2	-2	-1	-1	-1	-2
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-7	-3	-2	-1	-1	-2	-2	-2	-1	-2	-4
CRMS 0224	-7	-10	-5	-3	-3	-2	-3	-2	-1	-2	-2	-7
CRMS 0163	0	0	0	0	0	0	0	0	0	-2	0	0
CRMS 0162	0	0	0	0	0	0	0	-2	-5	-7	0	0

Figure WQ SAL 107 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	16	14	11	10	10	17	23	19	19	19	17
HWQ-08- At the Outfall	2	5	4	4	4	3	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	4	7	5	5	5	3	2	2	4	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	4	5	4	4	2	5	4	5	10	6
USGS7380251 Barataria Bay North of Grand Isle	18	13	6	6	6	5	5	14	9	10	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	7	7	4	8	5	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	28	18	17	14	13	15	21	26	23	23	22	20
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	7	1	1	0
HWQ16 - Bayou Grand Liard	20	9	10	7	6	8	8	13	14	14	14	12
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	10	10	8	4	4	4	3	3	9	12	10	8
CRMS 0224	12	13	7	6	6	4	3	5	9	9	12	10
CRMS 0163	5	0	1	1	0	1	2	3	8	1	1	1
CRMS 0162	7	2	3	6	4	3	4	16	27	10	5	1

V3PR7_HYST - cy 2 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	6	9	7	3	7	17	22	17	16	18	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	0	0	0	0	0	0	0	1	3	2	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	0	0	1	0	1	1	4	3	3	6	2
USGS7380251 Barataria Bay North of Grand Isle	15	1	1	2	0	2	5	13	7	7	10	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	1	1	2	1	3	3	9	4	3	5	3
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	11	13	11	7	13	21	25	22	22	21	18
HWQ14 - Lake Washington	6	0	0	0	0	0	0	0	2	0	1	0
HWQ16 - Bayou Grand Liard	18	6	8	6	4	6	7	12	12	12	13	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	1	1	1	1	1	1	2	7	8	7	6
CRMS 0224	9	1	1	1	1	1	1	4	6	6	8	6
CRMS 0163	5	0	1	0	0	1	2	2	3	1	1	1
CRMS 0162	7	2	3	5	3	2	1	12	25	5	5	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-10	-5	-4	-7	-3	0	0	-2	-2	-2	-3
HWQ-08- At the Outfall	-2	-5	-4	-4	-4	-3	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	0	-7	-5	-5	-4	-3	-2	-1	-3	-2	-3	-3
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-10	-4	-4	-4	-3	-1	-1	-1	-2	-4	-4
USGS7380251 Barataria Bay North of Grand Isle	-3	-12	-5	-5	-5	-3	-1	-1	-2	-3	-3	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-8	-2	-4	-6	-4	0	1	-1	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-2	-2	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-6	-4	-4	-6	-2	0	0	-2	-2	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-5	-1	0	0
HWQ16 - Bayou Grand Liard	-1	-3	-2	-1	-2	-2	-1	-1	-2	-2	-1	-1
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-1	-8	-6	-3	-3	-2	-2	-2	-2	-4	-3	-2
CRMS 0224	-2	-12	-6	-5	-5	-3	-2	-1	-2	-3	-3	-4
CRMS 0163	0	0	0	0	0	0	0	0	-6	0	0	0
CRMS 0162	-1	0	0	-1	0	-1	-2	-4	-2	-5	0	0

Figure WQ SAL 108 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	11	10	8	8	6	10	14	13	16	21	19
HWQ-08- At the Outfall	2	4	3	3	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	3	2	2	2	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	8	4	4	4	4	3	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	10	6	5	5	4	5	7	5	7	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	7	4	5	6	6	5	7	3	3	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	22	13	13	11	11	10	14	17	17	21	24	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	16	5	5	4	4	3	5	7	8	11	16	15
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	8	7	3	2	2	1	1	2	4	6	10	12
CRMS 0224	11	9	5	4	4	3	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	5	6	9	3

V3PR7_HYST - cy 2 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	5	0	1	0	0	0	1	6	11	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	2	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	1	2	6	3
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	0	1	3	6	11	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	1	2	2	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	10	2	3	2	2	2	5	11	16	20	23	20
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	6	2	1	2	1	1	0	2	7	10	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	5	8	9
CRMS 0224	0	0	0	0	0	0	0	0	2	4	9	8
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	3	2	9	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-16	-11	-9	-8	-8	-6	-9	-8	-1	-1	-1	-2
HWQ-08- At the Outfall	-2	-4	-3	-3	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-3	-2	-2	-2	-2	-1	-3	-3
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-8	-4	-4	-4	-4	-3	-4	-2	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-15	-10	-6	-5	-5	-4	-5	-6	-2	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-7	-4	-5	-6	-6	-5	-6	-2	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-3	-2	-2	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-12	-11	-9	-9	-8	-7	-9	-6	-1	-1	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-10	-3	-4	-2	-2	-3	-5	-5	-1	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-8	-7	-3	-2	-2	-1	-1	-2	-2	-1	-2	-3
CRMS 0224	-11	-9	-5	-4	-4	-3	-3	-4	-2	-1	-2	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	-2	-4	-1	-1

Figure WQ SAL 109 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	19	12	8	6	5	9	16	14	16	21	15
HWQ-08- At the Outfall	2	5	4	4	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	8	6	4	3	1	2	2	3	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	5	5	4	3	3	5	4	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	18	14	7	5	5	4	4	9	6	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	6	5	4	7	4	4	6	6
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	27	22	15	10	8	7	13	19	18	21	24	17
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	19	14	9	4	2	2	4	8	9	12	17	9
CRMS 3985	0	0	0	1	2	1	1	1	0	0	0	0
CRMS 0258	10	14	8	2	1	1	1	2	5	6	10	9
CRMS 0224	12	14	9	4	3	2	2	4	6	6	11	11
CRMS 0163	4	1	0	0	0	0	0	1	0	1	1	0
CRMS 0162	6	6	1	2	0	0	0	0	7	14	9	0

V3PR7_HYST - cy 2 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	17	2	0	0	0	1	12	13	16	20	2
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	3	0	0	0	0	0	0	0	2	3	0
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	7	6	0	0	0	0	0	1	2	2	6	0
USGS7380251 Barataria Bay North of Grand Isle	15	10	1	0	0	0	0	3	4	6	11	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	6	0	0	0	0	0	2	2	3	5	0
USGS 07380335 - Little Lake Near Cutoff	2	1	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	21	5	2	1	1	4	16	18	21	23	6
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	18	13	5	2	0	0	0	4	8	11	16	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	10	2	0	0	0	0	0	3	5	9	1
CRMS 0224	9	10	1	0	0	0	0	1	3	5	9	1
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	6	5	1	2	0	0	0	0	3	10	8	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-10	-8	-6	-5	-8	-4	-1	0	-1	-13
HWQ-08- At the Outfall	-2	-5	-4	-4	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	0	-4	-6	-4	-3	-1	-2	-2	-3	-2	-2	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-5	-4	-5	-4	-3	-3	-4	-2	-1	-4	-8
USGS7380251 Barataria Bay North of Grand Isle	-3	-4	-6	-5	-5	-4	-4	-5	-2	-1	-3	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-3	-3	-5	-6	-5	-4	-5	-2	-1	-1	-6
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-3	-3	-2	-2	-1	0	0	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-10	-9	-7	-6	-8	-3	-1	0	-1	-11
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-4	-2	-2	-2	-4	-4	-1	0	-1	-4
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-1	-4	-6	-2	-1	-1	-1	-2	-2	-1	-2	-7
CRMS 0224	-2	-5	-8	-4	-3	-2	-2	-4	-2	-1	-2	-11
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	-4	-5	-1	0

Figure WQ SAL 110 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1985 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	13	9	7	7	8	14	21	16	17	18	11
HWQ-08- At the Outfall	2	3	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	2	2	2	2	4	4	4	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	7	4	4	3	3	3	4	4	4	8	7
USGS7380251 Barataria Bay North of Grand Isle	15	10	5	4	4	4	6	12	7	8	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	6	3	4	5	6	5	7	4	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	21	16	11	9	10	12	18	24	20	22	20	13
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	3	4	6	7	11	11	13	12	5
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	4	2	1	1	2	3	7	7	7	6
CRMS 0224	11	9	5	3	3	3	3	5	7	7	10	8
CRMS 0163	1	0	0	0	0	0	1	2	1	1	0	0
CRMS 0162	2	2	0	1	2	1	0	3	11	13	3	0

V3PR8_HYST - cy 2 - 1985 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	4	4	0	0	0	2	11	21	17	17	7	0
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	3	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	3	3	2	0	0
USGS7380251 Barataria Bay North of Grand Isle	0	1	0	0	0	0	2	11	7	7	1	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	1	7	4	3	0	0
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	9	9	2	1	2	8	16	24	21	22	13	2
HWQ14 - Lake Washington	6	3	1	0	0	1	1	4	3	2	2	1
HWQ16 - Bayou Grand Liard	6	6	2	2	2	4	3	11	13	15	11	2
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	1	7	9	1	0
CRMS 0224	0	0	0	0	0	0	0	3	6	6	1	0
CRMS 0163	1	0	0	0	0	0	1	2	0	1	1	0
CRMS 0162	2	3	0	2	2	1	0	2	8	8	4	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-16	-9	-9	-7	-7	-5	-3	0	1	0	-10	-11
HWQ-08- At the Outfall	-2	-3	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-2	-2	-2	-2	-2	-1	-4	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-7	-4	-4	-3	-3	-3	-1	-1	-2	-8	-7
USGS7380251 Barataria Bay North of Grand Isle	-15	-9	-5	-4	-4	-4	-4	-1	0	-1	-11	-9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-6	-3	-4	-5	-6	-4	0	0	-1	-5	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-1	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-13	-7	-10	-8	-7	-5	-2	0	0	0	-7	-11
HWQ14 - Lake Washington	3	3	1	0	0	1	1	3	3	1	2	1
HWQ16 - Bayou Grand Liard	-10	-2	-3	-2	-2	-2	-3	-1	2	2	-1	-3
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-8	-6	-4	-2	-1	-1	-2	-2	0	1	-6	-6
CRMS 0224	-11	-9	-5	-3	-3	-3	-3	-2	-1	-1	-9	-8
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	0	0	0	-1	0	-2	-3	-5	1	0

Figure WQ SAL 111 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	9	7	6	7	14	19	16	18	21	17
HWQ-08- At the Outfall	2	4	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	6	5	3	2	1	2	2	3	4	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	8	4	4	3	3	3	3	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	17	11	5	4	4	4	6	10	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	8	3	5	5	5	5	6	4	4	7	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	25	14	11	9	8	11	18	22	20	23	24	20
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	2	1	0
HWQ16 - Bayou Grand Liard	18	6	4	3	2	4	7	10	11	14	17	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	3	2	1	1	2	3	7	8	12	9
CRMS 0224	11	10	5	3	3	2	3	4	7	7	12	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	3	1	0	1	0	1	0	4	16	20	8	1

V3PR8_HYST - cy 2 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	16	1	0	0	0	4	12	19	17	19	21	11
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	1	3	3	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	0	0	0	0	0	0	2	3	3	7	2
USGS7380251 Barataria Bay North of Grand Isle	6	0	0	0	0	0	2	9	7	9	13	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	0	0	0	0	0	1	7	4	4	5	2
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	21	4	1	1	1	8	17	22	21	23	24	15
HWQ14 - Lake Washington	8	4	1	0	0	0	1	3	3	2	4	3
HWQ16 - Bayou Grand Liard	14	5	1	2	1	3	5	10	14	16	19	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	0	0	0	0	0	0	1	7	9	11	6
CRMS 0224	4	0	0	0	0	0	0	2	6	7	11	5
CRMS 0163	3	0	0	0	0	0	1	2	0	1	1	1
CRMS 0162	4	2	1	1	0	1	0	2	12	13	8	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-12	-8	-7	-6	-3	-2	0	1	1	0	-6
HWQ-08- At the Outfall	-2	-4	-3	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-2	-6	-5	-3	-2	-1	-2	-2	-2	-1	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-8	-4	-4	-3	-3	-3	-1	0	-1	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-10	-11	-5	-4	-4	-3	-4	-1	0	0	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-7	-3	-5	-5	-5	-4	0	0	0	-1	-4
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-2	-2	-1	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-5	-11	-9	-8	-7	-3	-2	0	1	0	0	-5
HWQ14 - Lake Washington	4	4	1	0	0	0	1	3	2	0	3	3
HWQ16 - Bayou Grand Liard	-4	-2	-3	-2	-2	-2	-2	-1	3	2	2	0
CRMS 3985	0	0	0	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-7	-3	-2	-1	-1	-2	-2	0	1	0	-4
CRMS 0224	-7	-10	-5	-3	-3	-2	-3	-2	0	0	-1	-6
CRMS 0163	1	0	0	0	0	0	0	0	0	-2	0	0
CRMS 0162	0	0	0	0	0	0	0	-2	-4	-6	0	0

Figure WQ SAL 112 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	16	14	11	10	10	17	23	19	19	19	17
HWQ-08- At the Outfall	2	5	4	4	4	3	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	4	7	5	5	5	3	2	2	4	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	4	5	4	4	2	5	4	5	10	6
USGS7380251 Barataria Bay North of Grand Isle	18	13	6	6	6	5	5	14	9	10	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	7	7	4	8	5	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	28	18	17	14	13	15	21	26	23	23	22	20
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	7	1	1	0
HWQ16 - Bayou Grand Liard	20	9	10	7	6	8	8	13	14	14	14	12
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	10	10	8	4	4	4	3	3	9	12	10	8
CRMS 0224	12	13	7	6	6	4	3	5	9	9	12	10
CRMS 0163	5	0	1	1	0	1	2	3	8	1	1	1
CRMS 0162	7	2	3	6	4	3	4	16	27	10	5	1

V3PR8_HYST - cy 2 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	6	10	7	3	8	17	23	19	18	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	0	0	0	0	0	0	0	1	3	4	4
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	0	0	1	0	1	1	3	3	3	7	3
USGS7380251 Barataria Bay North of Grand Isle	14	1	2	2	0	2	5	13	8	9	12	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	1	1	2	1	3	3	9	4	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	12	14	11	8	14	22	26	23	23	22	19
HWQ14 - Lake Washington	10	6	4	3	2	2	4	6	5	3	3	3
HWQ16 - Bayou Grand Liard	19	9	11	8	6	8	8	13	15	16	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	1	2	2	1	3	1	2	9	11	9	7
CRMS 0224	9	1	1	2	1	2	1	4	7	8	10	7
CRMS 0163	5	1	0	0	0	1	2	3	2	1	1	1
CRMS 0162	7	2	4	6	4	2	2	13	24	5	5	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-10	-4	-4	-7	-2	0	0	0	0	0	-1
HWQ-08- At the Outfall	-2	-5	-4	-4	-4	-3	-2	-1	-2	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	0	-7	-5	-5	-4	-3	-2	-1	-3	-2	-2	-2
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-10	-4	-4	-4	-3	-1	-1	-1	-2	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-3	-12	-5	-4	-5	-3	0	-1	-1	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-8	-2	-4	-6	-4	0	0	0	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	-1	-2	-2	-1	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-1	-6	-3	-3	-5	-1	0	0	-1	0	0	-1
HWQ14 - Lake Washington	4	6	3	3	2	2	3	6	-2	1	2	2
HWQ16 - Bayou Grand Liard	-1	0	1	1	0	0	0	1	1	1	2	2
CRMS 3985	0	0	0	0	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-8	-6	-2	-2	-1	-2	-2	-1	-1	-1	-1
CRMS 0224	-2	-12	-6	-4	-4	-3	-2	-1	-1	-2	-1	-3
CRMS 0163	0	0	0	0	0	0	0	0	-6	0	0	0
CRMS 0162	0	0	0	0	0	-1	-2	-3	-3	-5	0	0

Figure WQ SAL 113 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	11	10	8	8	6	10	14	13	16	21	19
HWQ-08- At the Outfall	2	4	3	3	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	3	2	2	2	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	8	4	4	4	4	3	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	10	6	5	5	4	5	7	5	7	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	7	4	5	6	6	5	7	3	3	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	22	13	13	11	11	10	14	17	17	21	24	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	16	5	5	4	4	3	5	7	8	11	16	15
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	8	7	3	2	2	1	1	2	4	6	10	12
CRMS 0224	11	9	5	4	4	3	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	5	6	9	3

V3PR8_HYST - cy 2 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	5	0	1	0	0	0	1	7	13	17	21	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	2	2	4
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	2	2	7	3
USGS7380251 Barataria Bay North of Grand Isle	0	0	0	0	0	0	0	1	4	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	1	2	3	5	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	10	2	3	2	2	2	5	12	18	22	24	21
HWQ14 - Lake Washington	6	2	1	1	1	0	0	1	1	1	3	5
HWQ16 - Bayou Grand Liard	6	3	2	3	2	1	0	3	10	14	19	18
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	3	7	10	10
CRMS 0224	0	0	0	0	0	0	0	0	3	5	10	8
CRMS 0163	2	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	2	3	9	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-16	-11	-9	-8	-7	-6	-9	-8	1	1	0	-1
HWQ-08- At the Outfall	-2	-4	-3	-3	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-4	-5	-4	-3	-3	-2	-2	-2	-2	-1	-2	-3
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-8	-4	-4	-4	-4	-3	-4	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-15	-10	-6	-5	-5	-4	-5	-6	-1	0	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-7	-4	-5	-6	-6	-5	-6	-1	0	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-2	-3	-3	-2	-2	-1	0	0	0
USGS073802516 Barataria Pass at Grand Isle	-12	-10	-9	-9	-8	-7	-9	-5	0	1	0	-1
HWQ14 - Lake Washington	3	2	1	1	1	0	0	1	1	1	2	4
HWQ16 - Bayou Grand Liard	-10	-2	-3	-1	-2	-3	-5	-5	2	3	2	2
CRMS 3985	0	0	0	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-8	-7	-3	-2	-2	-1	-1	-2	-1	1	0	-1
CRMS 0224	-11	-9	-5	-4	-4	-3	-3	-4	-2	0	-1	-4
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	1	0	0	0	0	0	-2	-3	-1	-1

Figure WQ SAL 114 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	19	12	8	6	5	9	16	14	16	21	15
HWQ-08- At the Outfall	2	5	4	4	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	8	6	4	3	1	2	2	3	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	5	5	4	3	3	5	4	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	18	14	7	5	5	4	4	9	6	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	6	5	4	7	4	4	6	6
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	27	22	15	10	8	7	13	19	18	21	24	17
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	19	14	9	4	2	2	4	8	9	12	17	9
CRMS 3985	0	0	0	1	2	1	1	1	0	0	0	0
CRMS 0258	10	14	8	2	1	1	1	2	5	6	10	9
CRMS 0224	12	14	9	4	3	2	2	4	6	6	11	11
CRMS 0163	4	1	0	0	0	0	0	1	0	1	1	0
CRMS 0162	6	6	1	2	0	0	0	0	7	14	9	0

V3PR8_HYST - cy 2 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	18	2	0	0	0	1	13	15	17	21	2
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	3	0	0	0	0	0	0	0	2	2	0
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	7	6	0	0	0	0	0	1	2	2	6	0
USGS7380251 Barataria Bay North of Grand Isle	15	11	1	0	0	0	0	4	5	8	12	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	6	0	0	0	0	0	2	3	3	5	0
USGS 07380335 - Little Lake Near Cutoff	1	1	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	27	21	5	2	1	1	4	17	19	22	24	6
HWQ14 - Lake Washington	9	8	4	1	0	0	0	1	1	2	4	3
HWQ16 - Bayou Grand Liard	19	17	6	2	1	0	0	5	11	14	19	6
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	11	2	0	0	0	0	0	5	8	10	1
CRMS 0224	9	10	1	0	0	0	0	1	4	6	10	1
CRMS 0163	5	1	0	0	0	0	0	0	0	1	2	0
CRMS 0162	6	5	1	2	0	0	0	0	4	10	8	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-1	-10	-8	-6	-5	-8	-3	1	1	0	-13
HWQ-08- At the Outfall	-2	-5	-4	-4	-3	-2	-2	-2	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	0	-4	-6	-4	-3	-1	-2	-2	-3	-1	-3	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-5	-4	-5	-4	-3	-3	-4	-1	-1	-4	-8
USGS7380251 Barataria Bay North of Grand Isle	-3	-4	-6	-5	-5	-4	-4	-5	0	0	-2	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-3	-3	-5	-6	-5	-4	-5	-1	0	-1	-6
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-2	-3	-3	-2	-2	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-10	-9	-7	-6	-8	-2	0	1	0	-11
HWQ14 - Lake Washington	4	7	4	1	0	0	0	1	1	1	3	3
HWQ16 - Bayou Grand Liard	-1	2	-2	-2	-1	-2	-4	-3	2	3	2	-3
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-3	-6	-2	-1	-1	-1	-2	-1	1	0	-7
CRMS 0224	-2	-4	-8	-4	-3	-2	-2	-3	-1	0	-1	-11
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	-4	-4	-1	0

Figure WQ SAL 115 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 2 - 1985 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	13	9	7	7	8	14	21	16	17	18	11
HWQ-08- At the Outfall	2	3	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	2	2	2	2	4	4	4	5
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	7	4	4	3	3	3	4	4	4	8	7
USGS7380251 Barataria Bay North of Grand Isle	15	10	5	4	4	4	6	12	7	8	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	6	3	4	5	6	5	7	4	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	21	16	11	9	10	12	18	24	20	22	20	13
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	16	8	5	3	4	6	7	11	11	13	12	5
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	4	2	1	1	2	3	7	7	7	6
CRMS 0224	11	9	5	3	3	3	3	5	7	7	10	8
CRMS 0163	1	0	0	0	0	0	1	2	1	1	0	0
CRMS 0162	2	2	0	1	2	1	0	3	11	13	3	0

V3PR9_HYST - cy 2 - 1985 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	14	10	7	8	9	15	22	18	19	19	13
HWQ-08- At the Outfall	2	3	3	4	3	3	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	3	3	2	2	4	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	7	4	4	4	3	3	4	4	4	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	10	6	5	5	5	6	12	8	10	14	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	6	3	5	6	7	5	7	4	4	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	0	1	1
USGS073802516 Barataria Pass at Grand Isle	22	17	12	10	11	13	19	25	22	23	21	14
HWQ14 - Lake Washington	6	3	1	0	0	1	2	5	4	3	3	1
HWQ16 - Bayou Grand Liard	17	11	7	4	6	8	9	13	14	17	15	8
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	8	5	3	3	3	3	3	10	11	9	7
CRMS 0224	11	10	6	4	4	4	4	5	8	9	12	10
CRMS 0163	1	0	0	0	0	0	2	2	0	1	1	0
CRMS 0162	2	2	0	1	3	2	0	2	9	10	4	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	1	2	2	1	2
HWQ-08- At the Outfall	0	0	0	1	1	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	1	0	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	1	1	0	0	0	0	1	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	1	1	1	1	1	2	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	0	0	0	0	0	1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	0	1	1	1	0	1	1	1	1
HWQ14 - Lake Washington	3	3	1	0	0	1	2	5	4	2	2	1
HWQ16 - Bayou Grand Liard	1	3	2	1	2	2	2	1	4	4	3	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	1	1	1	1	1	1	0	2	3	2	2
CRMS 0224	0	1	1	1	1	1	1	0	1	2	2	2
CRMS 0163	0	0	0	0	0	0	0	1	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-2	-3	0	0

Figure WQ SAL 116 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve

V3PR1_HYST - cy 2 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	9	7	6	7	14	19	16	18	21	17
HWQ-08- At the Outfall	2	4	3	3	2	2	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	6	5	3	2	1	2	2	3	4	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	1	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	8	4	4	3	3	3	3	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	17	11	5	4	4	4	6	10	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	8	3	5	5	5	5	6	4	4	7	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	25	14	11	9	8	11	18	22	20	23	24	20
HWQ14 - Lake Washington	4	0	0	0	0	0	0	0	0	2	1	0
HWQ16 - Bayou Grand Liard	18	6	4	3	2	4	7	10	11	14	17	12
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	7	3	2	1	1	2	3	7	8	12	9
CRMS 0224	11	10	5	3	3	2	3	4	7	7	12	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	3	1	0	1	0	1	0	4	16	20	8	1

V3PR9_HYST - cy 2 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	14	9	8	7	8	15	19	17	19	22	19
HWQ-08- At the Outfall	2	4	3	4	3	2	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	3	6	5	4	3	2	2	2	4	4	6	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	9	4	4	4	3	3	3	4	4	11	8
USGS7380251 Barataria Bay North of Grand Isle	17	12	6	5	5	4	6	10	7	9	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	8	3	5	5	6	5	6	4	4	7	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	2	2	1	1	0	1	1
USGS073802516 Barataria Pass at Grand Isle	25	15	11	10	8	12	19	22	21	24	25	21
HWQ14 - Lake Washington	8	4	1	0	0	1	2	4	4	3	5	4
HWQ16 - Bayou Grand Liard	19	9	6	5	3	5	8	11	14	17	20	16
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	8	9	5	3	2	1	2	3	9	11	14	11
CRMS 0224	11	12	6	4	4	3	3	4	8	9	13	13
CRMS 0163	3	0	0	0	0	0	1	2	1	2	2	1
CRMS 0162	4	2	0	1	0	1	0	3	13	15	9	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	1	2	1	1	2
HWQ-08- At the Outfall	0	0	0	1	1	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	0	0	1	1	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	1	1	0	0	0	0	0	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	0	1	1	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	0	0	0	0	0	1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	0	0	1	0	0	1	1	1	1
HWQ14 - Lake Washington	4	4	1	0	0	1	2	4	3	1	4	4
HWQ16 - Bayou Grand Liard	1	3	2	1	1	1	1	1	3	3	3	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	1	1	1	1	1	0	0	2	3	2	2
CRMS 0224	0	1	1	1	1	1	0	0	1	2	1	1
CRMS 0163	1	0	0	0	0	0	0	1	0	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-3	-5	1	0

Figure WQ SAL 117 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve

V3PR1_HYST - cy 2 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	16	14	11	10	10	17	23	19	19	19	17
HWQ-08- At the Outfall	2	5	4	4	4	3	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	4	7	5	5	5	3	2	2	4	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	4	5	4	4	2	5	4	5	10	6
USGS7380251 Barataria Bay North of Grand Isle	18	13	6	6	6	5	5	14	9	10	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	7	7	4	8	5	4	6	5
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	1	1	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	28	18	17	14	13	15	21	26	23	23	22	20
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	7	1	1	0
HWQ16 - Bayou Grand Liard	20	9	10	7	6	8	8	13	14	14	14	12
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	10	10	8	4	4	4	3	3	9	12	10	8
CRMS 0224	12	13	7	6	6	4	3	5	9	9	12	10
CRMS 0163	5	0	1	1	0	1	2	3	8	1	1	1
CRMS 0162	7	2	3	6	4	3	4	16	27	10	5	1

V3PR9_HYST - cy 2 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	17	15	12	11	11	17	23	20	20	21	18
HWQ-08- At the Outfall	2	5	3	5	5	4	2	1	2	3	3	4
CRMS0276 - Just east of Wilkinson Canal	4	7	5	6	6	5	3	1	4	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	1	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	4	5	4	4	2	4	4	5	10	7
USGS7380251 Barataria Bay North of Grand Isle	18	14	7	7	6	5	5	13	9	11	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	6	7	4	7	5	4	7	6
USGS 07380335 - Little Lake Near Cutoff	2	2	0	1	2	2	1	0	1	0	1	1
USGS073802516 Barataria Pass at Grand Isle	28	19	18	15	14	16	22	26	24	24	23	21
HWQ14 - Lake Washington	10	7	4	3	3	3	4	7	7	4	4	4
HWQ16 - Bayou Grand Liard	20	13	13	10	9	10	9	14	17	18	17	15
CRMS 3985	0	0	0	0	1	1	0	0	0	0	0	0
CRMS 0258	10	11	9	7	6	6	4	3	11	14	11	9
CRMS 0224	12	14	8	8	7	6	3	5	9	10	13	12
CRMS 0163	6	1	0	0	0	1	3	4	6	1	1	1
CRMS 0162	7	2	4	6	4	3	2	15	26	7	5	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	0	1	2	1	1
HWQ-08- At the Outfall	0	0	0	0	1	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	0	0	0	0	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	-1	0	0	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	0	0	0	0	0	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	0	-1	0	0	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	-1	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	0	0	0	1	1	1
HWQ14 - Lake Washington	4	6	4	3	3	3	4	6	0	3	3	3
HWQ16 - Bayou Grand Liard	1	3	3	2	3	2	1	1	3	3	3	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	1	2	2	2	2	1	0	1	2	2	2
CRMS 0224	0	1	1	2	2	1	0	0	0	1	2	1
CRMS 0163	1	0	0	0	0	0	1	1	-2	0	0	0
CRMS 0162	0	0	0	0	1	0	-2	-2	-1	-3	1	0

Figure WQ SAL 118 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve

V3PR1_HYST - cy 2 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	11	10	8	8	6	10	14	13	16	21	19
HWQ-08- At the Outfall	2	4	3	3	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	5	4	3	3	2	2	2	2	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	8	4	4	4	4	3	4	3	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	10	6	5	5	4	5	7	5	7	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	7	4	5	6	6	5	7	3	3	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	22	13	13	11	11	10	14	17	17	21	24	22
HWQ14 - Lake Washington	2	0	0	0	0	0	0	0	0	0	1	1
HWQ16 - Bayou Grand Liard	16	5	5	4	4	3	5	7	8	11	16	15
CRMS 3985	0	0	0	1	1	1	1	1	0	0	0	0
CRMS 0258	8	7	3	2	2	1	1	2	4	6	10	12
CRMS 0224	11	9	5	4	4	3	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	2	0	0	0	5	6	9	3

V3PR9_HYST - cy 2 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	12	11	9	9	7	10	15	15	17	22	20
HWQ-08- At the Outfall	2	4	3	4	4	3	2	1	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	3	5	4	4	4	3	2	1	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	10	8	4	5	5	4	2	3	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	16	10	6	6	6	5	3	8	6	8	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	7	3	6	7	7	3	6	3	3	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	3	1	1	1	0	1	1
USGS073802516 Barataria Pass at Grand Isle	22	13	13	11	12	10	14	18	19	22	25	23
HWQ14 - Lake Washington	6	3	1	1	1	0	1	2	2	2	4	6
HWQ16 - Bayou Grand Liard	17	8	7	6	6	5	6	8	11	14	19	19
CRMS 3985	0	0	0	1	1	1	0	0	0	0	0	0
CRMS 0258	8	8	4	4	4	2	2	1	6	9	12	14
CRMS 0224	11	10	6	6	6	4	3	3	6	7	12	13
CRMS 0163	2	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	2	1	1	2	3	0	0	0	3	3	9	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	2	1	-1	1	2	2	1	1
HWQ-08- At the Outfall	0	0	0	1	1	1	0	-1	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	-1	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	1	1	0	-1	-1	0	0	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	0	1	1	0	-1	0	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	1	0	-2	-1	0	0	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	0	1	1	1	1	1
HWQ14 - Lake Washington	3	3	1	1	1	0	1	2	2	2	3	5
HWQ16 - Bayou Grand Liard	1	2	2	2	2	1	1	1	3	3	3	4
CRMS 3985	0	0	0	0	0	0	-1	0	0	0	0	0
CRMS 0258	0	1	1	2	2	1	0	0	2	3	2	2
CRMS 0224	0	1	1	2	2	1	0	-1	1	1	2	1
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	1	0	0	0	-2	-3	0	0

Figure WQ SAL 119 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve

V3PR1_HYST - cy 2 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	19	12	8	6	5	9	16	14	16	21	15
HWQ-08- At the Outfall	2	5	4	4	3	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	8	6	4	3	1	2	2	3	3	5	6
Barataria Waterway at Lafitte (USACE82875)	1	1	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	10	5	5	4	3	3	5	4	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	18	14	7	5	5	4	4	9	6	8	14	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	5	6	5	4	7	4	4	6	6
USGS 07380335 - Little Lake Near Cutoff	2	2	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	27	22	15	10	8	7	13	19	18	21	24	17
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	0	1	0
HWQ16 - Bayou Grand Liard	19	14	9	4	2	2	4	8	9	12	17	9
CRMS 3985	0	0	0	1	2	1	1	1	0	0	0	0
CRMS 0258	10	14	8	2	1	1	1	2	5	6	10	9
CRMS 0224	12	14	9	4	3	2	2	4	6	6	11	11
CRMS 0163	4	1	0	0	0	0	0	1	0	1	1	0
CRMS 0162	6	6	1	2	0	0	0	0	7	14	9	0

V3PR9_HYST - cy 2 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	20	14	9	7	5	10	16	15	18	22	17
HWQ-08- At the Outfall	2	5	4	5	4	2	2	2	2	2	3	4
CRMS0276 - Just east of Wilkinson Canal	4	7	6	6	4	2	2	2	3	4	5	7
Barataria Waterway at Lafitte (USACE82875)	1	1	1	3	3	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	11	5	5	5	4	3	4	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	18	15	8	6	6	4	5	9	6	9	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	9	3	6	6	6	5	7	4	3	6	6
USGS 07380335 - Little Lake Near Cutoff	2	1	1	2	3	3	2	2	1	1	1	1
USGS073802516 Barataria Pass at Grand Isle	27	23	16	11	8	7	13	19	19	23	25	18
HWQ14 - Lake Washington	10	9	4	1	0	0	0	2	2	2	5	4
HWQ16 - Bayou Grand Liard	20	18	12	6	3	2	5	9	12	15	20	13
CRMS 3985	0	0	0	1	2	2	1	1	0	0	0	0
CRMS 0258	10	14	9	4	3	1	1	2	7	9	12	10
CRMS 0224	12	15	10	6	5	3	3	4	6	7	12	13
CRMS 0163	5	2	0	0	0	0	0	1	0	1	2	0
CRMS 0162	7	5	1	2	0	0	0	0	4	12	9	0

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	0	1	2	1	2
HWQ-08- At the Outfall	0	0	0	1	1	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	1	1	0	0	-1	0	0	0	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	1	1	0	0	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	1	1	0	0	-1	0	0	0	0
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	0	1	0	1	1	1	1
HWQ14 - Lake Washington	4	8	4	1	0	0	0	2	2	2	4	3
HWQ16 - Bayou Grand Liard	1	3	4	2	1	1	1	1	3	4	3	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	1	1	2	1	0	0	0	2	3	2	1
CRMS 0224	0	1	1	2	1	1	0	0	1	1	1	1
CRMS 0163	1	0	0	0	0	0	0	0	0	0	1	0
CRMS 0162	0	-1	0	0	0	0	0	0	-3	-2	0	0

Figure WQ SAL 120 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve

V3PR1_HYST - cy 3 - 2002 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	12	7	6	5	13	22	18	18	20	19
HWQ-08- At the Outfall	3	5	4	3	2	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	8	5	3	2	1	2	2	5	5	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	11	5	4	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	19	12	7	5	4	4	6	14	9	10	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	4	5	5	6	5	10	5	5	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	3	3	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	25	15	15	9	8	7	17	25	22	22	22	22
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	1	1	2	1
HWQ16 - Bayou Grand Liard	17	6	6	3	2	2	5	12	12	12	14	13
CRMS 3985	0	0	0	1	2	1	1	0	0	0	0	0
CRMS 0258	10	9	4	2	1	1	2	4	8	9	11	11
CRMS 0224	13	11	6	3	2	2	3	5	8	8	12	12
CRMS 0163	2	0	0	0	0	0	1	2	2	1	1	0
CRMS 0162	4	2	5	2	3	0	0	10	21	11	8	5

V3PR2_HYST - cy 3 - 2002 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	8	7	2	2	1	11	21	16	17	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	2	3	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	1	0	0	0	0	0	4	3	4	8	5
USGS7380251 Barataria Bay North of Grand Isle	12	3	1	0	0	0	2	12	7	9	13	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	2	1	0	1	1	1	7	4	4	6	4
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	23	11	12	5	4	4	16	24	21	22	22	20
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	2	1	2	1
HWQ16 - Bayou Grand Liard	12	6	6	2	2	1	3	11	11	12	14	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	3	1	1	0	0	0	1	7	8	10	9
CRMS 0224	4	3	1	1	0	0	0	3	6	7	10	8
CRMS 0163	2	0	0	0	0	0	1	2	2	1	1	0
CRMS 0162	4	2	5	2	3	0	0	12	22	12	8	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-6	-4	-5	-5	-3	-2	-1	-1	0	-1	-2
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-1	-2	-2	-3	-3	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-5	-3	-2	-1	-2	-2	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-9	-9	-5	-4	-3	-3	-3	-3	-2	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-7	-9	-6	-5	-4	-3	-3	-2	-2	-1	-1	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-8	-4	-5	-5	-5	-4	-2	-2	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-2	-2	-1	-3	-3	-3	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-2	-4	-3	-4	-4	-3	-1	-1	-1	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	1	0	0	0
HWQ16 - Bayou Grand Liard	-4	0	-1	-1	-1	-1	-2	-1	-1	0	0	0
CRMS 3985	0	0	0	-1	-2	-1	-1	0	0	0	0	0
CRMS 0258	-7	-6	-3	-1	-1	-1	-2	-2	-1	0	-1	-2
CRMS 0224	-9	-9	-5	-3	-2	-2	-3	-2	-2	-1	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	1	0	0	0
CRMS 0162	0	0	1	0	0	0	0	1	1	2	1	1

Figure WQ SAL 121 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	12	8	6	5	7	15	20	17	19	21	17
HWQ-08- At the Outfall	3	5	4	2	2	1	2	1	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	7	5	2	1	1	2	2	4	4	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	1	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	10	5	3	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	20	11	6	4	3	3	7	12	8	10	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	10	4	4	4	5	6	9	5	5	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	3	2	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	26	14	10	8	7	11	19	23	21	24	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	2	3	1
HWQ16 - Bayou Grand Liard	18	5	3	2	1	4	7	11	11	14	16	11
CRMS 3985	0	0	1	1	1	1	1	0	0	0	0	0
CRMS 0258	10	7	3	1	1	1	2	3	7	8	12	10
CRMS 0224	13	10	5	2	2	2	3	5	8	8	13	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	5	2	1	2	1	1	0	7	19	21	11	3

V3PR2_HYST - cy 3 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	6	2	2	1	4	14	20	16	18	20	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	2	2	3	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	7	1	0	0	0	0	1	3	3	4	9	4
USGS7380251 Barataria Bay North of Grand Isle	14	2	0	0	0	1	4	11	7	9	14	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	1	0	0	0	2	3	7	4	4	6	3
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	25	10	5	4	3	9	18	23	20	23	23	18
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	3	3	1
HWQ16 - Bayou Grand Liard	17	5	2	2	1	3	6	10	10	13	16	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	3	0	0	0	0	0	2	6	7	11	7
CRMS 0224	7	2	0	0	0	0	1	3	6	6	11	7
CRMS 0163	2	0	0	0	0	1	1	1	1	4	1	0
CRMS 0162	5	2	1	2	1	2	0	8	20	22	11	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-2	-6	-6	-4	-4	-2	-1	0	-1	-1	-1	-3
HWQ-08- At the Outfall	-3	-5	-4	-2	-2	-1	-2	-1	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-4	-7	-5	-2	-1	-1	-2	-2	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-10	-5	-3	-3	-2	-2	-2	-1	-2	-2	-6
USGS7380251 Barataria Bay North of Grand Isle	-5	-9	-6	-4	-3	-3	-3	-1	-1	-1	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-9	-4	-4	-4	-3	-3	-2	-1	-1	-2	-4
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-2	-2	-3	-2	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-4	-5	-4	-3	-2	-1	0	-1	-1	0	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	1	0	0
HWQ16 - Bayou Grand Liard	-2	0	-1	-1	0	-1	-2	-1	0	0	0	0
CRMS 3985	0	0	-1	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-5	-2	-1	0	0	-1	-2	-1	-1	-1	-2
CRMS 0224	-6	-8	-5	-2	-2	-1	-2	-2	-2	-1	-2	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	1	0	0
CRMS 0162	0	0	0	0	0	0	0	1	1	1	0	0

Figure WQ SAL 122 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	16	14	10	10	10	18	23	20	19	19	17
HWQ-08- At the Outfall	3	6	4	4	4	3	2	1	3	3	4	4
CRMS0276 - Just east of Wilkinson Canal	5	8	6	4	4	3	2	2	5	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	12	5	5	4	4	3	6	6	6	11	8
USGS7380251 Barataria Bay North of Grand Isle	21	14	7	6	6	5	7	16	11	12	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	6	7	8	5	10	6	6	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	4	3	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	22	26	24	23	22	20
HWQ14 - Lake Washington	8	1	0	0	0	0	1	2	8	1	2	1
HWQ16 - Bayou Grand Liard	21	8	9	6	5	7	9	13	14	13	13	11
CRMS 3985	0	0	0	1	1	2	1	0	0	0	0	0
CRMS 0258	11	10	7	3	3	2	3	3	10	10	10	8
CRMS 0224	14	13	8	5	4	4	3	6	10	10	12	10
CRMS 0163	5	0	0	0	0	1	2	3	9	1	0	0
CRMS 0162	10	3	7	8	8	7	8	18	27	14	6	3

V3PR2_HYST - cy 3 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	12	11	8	6	8	18	23	19	18	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	3	3	3	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	11	3	1	1	1	2	2	4	4	4	8	4
USGS7380251 Barataria Bay North of Grand Isle	19	6	3	3	1	3	7	13	9	10	13	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	4	1	3	3	5	5	8	4	4	6	4
USGS 07380335 - Little Lake Near Cutoff	3	1	0	1	1	2	1	1	1	0	1	1
USGS073802516 Barataria Pass at Grand Isle	28	16	16	12	10	14	23	26	23	23	21	19
HWQ14 - Lake Washington	8	1	0	0	0	0	1	2	9	1	2	1
HWQ16 - Bayou Grand Liard	20	8	9	6	5	7	8	13	14	13	13	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	10	6	4	2	2	2	1	2	9	10	9	7
CRMS 0224	11	5	3	2	2	2	2	4	8	9	10	8
CRMS 0163	5	0	0	1	0	1	2	3	10	1	0	0
CRMS 0162	11	3	7	8	8	6	9	18	27	15	6	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-4	-2	-2	-4	-2	0	-1	-1	-1	-1	-1
HWQ-08- At the Outfall	-3	-6	-4	-4	-4	-3	-2	-1	-3	-3	-4	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-8	-5	-4	-4	-2	-2	-1	-2	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	0	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-10	-4	-3	-4	-2	-1	-3	-2	-2	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-2	-8	-4	-3	-4	-3	0	-2	-2	-1	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-8	-2	-3	-4	-3	0	-3	-2	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-2	-1	-2	-2	-2	0	0	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	0	-2	-2	-2	-2	-1	0	0	-1	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	0	-1	0	0	-1	0	-1	0	0	0	0
CRMS 3985	0	0	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-4	-3	-1	-1	-1	-2	-1	-1	-1	-1	-1
CRMS 0224	-2	-8	-5	-2	-3	-2	-1	-2	-2	-1	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	1	0	0	0
CRMS 0162	1	0	0	0	0	-2	2	1	0	1	0	0

Figure WQ SAL 123 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	11	9	7	7	6	10	15	13	15	20	19
HWQ-08- At the Outfall	3	5	4	3	2	2	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	7	4	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	13	10	5	4	4	3	4	4	3	4	10	9
USGS7380251 Barataria Bay North of Grand Isle	18	10	6	5	5	4	5	8	6	8	14	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	5	5	6	6	6	7	4	4	7	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	4	3	3	2	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	23	12	12	9	10	9	14	18	17	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	16	4	4	3	3	3	4	7	7	10	16	14
CRMS 3985	0	1	1	1	2	2	1	1	0	0	0	0
CRMS 0258	10	6	3	2	1	1	2	2	4	5	10	12
CRMS 0224	13	9	5	3	3	2	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	3	4	4	1	0	1	8	11	13	7

V3PR2_HYST - cy 3 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	16	4	3	2	2	2	4	11	13	15	20	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	2	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	1	2	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	7	1	0	0	0	0	0	3	5	8	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	1	0	0	1	1	1	2	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	19	7	7	6	6	5	10	16	17	21	23	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	10	3	3	3	2	2	2	4	7	10	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	1	0	1	1	0	0	0	3	5	10	10
CRMS 0224	2	1	0	0	0	0	0	0	3	5	9	9
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	4	4	5	0	0	1	9	11	13	8

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-6	-6	-6	-5	-5	-4	-6	-3	0	0	-1	-2
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-4	-3	-2	-1	-2	-2	-2	-1	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-2	-1	-1	0	0	0	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-11	-10	-5	-4	-4	-3	-4	-3	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-11	-9	-6	-4	-4	-4	-5	-5	-1	0	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7	-9	-5	-5	-5	-5	-5	-5	-1	0	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-2	-3	-2	-3	-3	-3	-3	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-4	-5	-4	-4	-4	-3	-4	-2	0	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-1	-1	-1	-1	-1	-3	-3	0	0	0	0
CRMS 3985	0	0	-1	-1	-2	-2	-1	0	0	0	0	0
CRMS 0258	-7	-5	-2	-1	-1	-1	-2	-2	-1	0	-1	-2
CRMS 0224	-11	-8	-5	-3	-2	-2	-3	-3	-1	-1	-1	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	1	0	1	0	0	0	1	0	0	1

Figure WQ SAL 124 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	19	12	7	5	4	9	16	14	16	21	15
HWQ-08- At the Outfall	3	7	5	4	2	1	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	9	7	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	3	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	13	6	4	3	3	3	5	4	4	11	9
USGS7380251 Barataria Bay North of Grand Isle	21	16	8	5	4	3	4	9	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	5	5	5	5	8	4	4	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	4	3	2	2	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	28	22	15	9	7	6	12	19	18	22	24	17
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	14	7	3	1	1	3	8	8	11	16	8
CRMS 3985	0	0	0	1	2	2	1	1	0	0	0	0
CRMS 0258	12	14	8	1	1	0	1	2	5	5	11	9
CRMS 0224	14	15	9	3	2	1	2	4	5	6	12	11
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	10	3	3	1	0	0	1	11	16	12	1

V3PR2_HYST - cy 3 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	18	6	2	1	1	4	15	14	16	20	9
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	3	0	0	0	0	0	0	2	1	2	0
Barataria Waterway at Lafitte (USACE82875)	1	1	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	12	9	1	0	0	0	0	2	3	3	8	1
USGS7380251 Barataria Bay North of Grand Isle	19	13	2	0	0	0	0	6	5	8	13	3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	9	1	1	1	1	0	4	3	3	6	1
USGS 07380335 - Little Lake Near Cutoff	3	2	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	21	10	5	3	3	9	19	18	21	23	13
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	19	13	7	2	1	1	1	6	8	11	16	8
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	10	12	4	1	0	0	0	1	4	5	10	4
CRMS 0224	12	12	3	0	0	0	0	1	4	5	10	3
CRMS 0163	4	1	0	0	0	0	0	1	0	2	1	0
CRMS 0162	9	11	3	3	1	0	0	2	13	18	12	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-1	-6	-5	-4	-3	-5	-1	0	0	-1	-6
HWQ-08- At the Outfall	-3	-6	-5	-4	-2	-1	-2	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-6	-7	-3	-2	-1	-2	-2	-2	-2	-3	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-3	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-6	-4	-3	-3	-3	-3	-1	-1	-3	-9
USGS7380251 Barataria Bay North of Grand Isle	-1	-3	-6	-4	-4	-3	-4	-3	-1	-1	-2	-9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-3	-3	-4	-5	-4	-4	-4	-1	-1	-2	-7
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	-3	-3	-3	-2	-2	-1	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-4	-4	-3	-3	-4	-1	0	0	-1	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	0	0	-1	0	-1	-2	-2	0	0	0	0
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-1	-2	-4	-1	-1	0	-1	-2	-1	-1	-1	-5
CRMS 0224	-2	-3	-7	-2	-2	-1	-2	-3	-1	-1	-2	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	1	1	0	0	0	0	0	2	1	1	0

Figure WQ SAL 125 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2002 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	12	7	6	5	13	22	18	18	20	19
HWQ-08- At the Outfall	3	5	4	3	2	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	8	5	3	2	1	2	2	5	5	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	11	5	4	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	19	12	7	5	4	4	6	14	9	10	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	4	5	5	6	5	10	5	5	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	3	3	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	25	15	15	9	8	7	17	25	22	22	22	22
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	1	1	2	1
HWQ16 - Bayou Grand Liard	17	6	6	3	2	2	5	12	12	12	14	13
CRMS 3985	0	0	0	1	2	1	1	0	0	0	0	0
CRMS 0258	10	9	4	2	1	1	2	4	8	9	11	11
CRMS 0224	13	11	6	3	2	2	3	5	8	8	12	12
CRMS 0163	2	0	0	0	0	0	1	2	2	1	1	0
CRMS 0162	4	2	5	2	3	0	0	10	21	11	8	5

V3PR3_HYST - cy 3 - 2002 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	7	7	2	2	1	11	21	17	17	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	2	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	5	1	0	0	0	0	0	3	3	4	8	5
USGS7380251 Barataria Bay North of Grand Isle	12	3	1	0	0	0	2	12	7	9	13	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	2	1	0	1	1	1	7	4	4	6	4
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	23	11	12	5	4	4	16	24	21	22	22	20
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	2	1	2	1
HWQ16 - Bayou Grand Liard	12	6	6	2	2	1	3	10	11	13	14	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	3	1	1	0	0	0	1	7	8	10	9
CRMS 0224	4	3	1	1	0	0	0	3	7	7	10	8
CRMS 0163	2	0	0	0	0	0	1	2	2	1	1	0
CRMS 0162	5	2	5	2	3	0	0	12	22	13	8	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-6	-4	-5	-5	-3	-2	-1	-1	0	-1	-2
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-1	-2	-2	-3	-3	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-5	-3	-2	-1	-2	-2	-3	-3	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-9	-9	-5	-4	-3	-3	-3	-3	-2	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-7	-9	-6	-5	-4	-3	-3	-2	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-8	-4	-5	-5	-5	-4	-2	-1	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-2	-2	-1	-3	-3	-3	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-2	-4	-3	-4	-4	-3	-1	-1	-1	0	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-4	-1	-1	-1	-1	-1	-2	-1	0	0	0	0
CRMS 3985	0	0	0	-1	-2	-1	-1	0	0	0	0	0
CRMS 0258	-7	-6	-3	-1	-1	-1	-2	-2	-1	0	-1	-2
CRMS 0224	-9	-9	-5	-3	-2	-2	-3	-2	-2	-1	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	1	1	3	0	1

Figure WQ SAL 126 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	12	8	6	5	7	15	20	17	19	21	17
HWQ-08- At the Outfall	3	5	4	2	2	1	2	1	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	7	5	2	1	1	2	2	4	4	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	1	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	10	5	3	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	20	11	6	4	3	3	7	12	8	10	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	10	4	4	4	5	6	9	5	5	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	3	2	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	26	14	10	8	7	11	19	23	21	24	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	2	3	1
HWQ16 - Bayou Grand Liard	18	5	3	2	1	4	7	11	11	14	16	11
CRMS 3985	0	0	1	1	1	1	1	0	0	0	0	0
CRMS 0258	10	7	3	1	1	1	2	3	7	8	12	10
CRMS 0224	13	10	5	2	2	2	3	5	8	8	13	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	5	2	1	2	1	1	0	7	19	21	11	3

V3PR3_HYST - cy 3 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	6	2	2	1	4	14	19	16	18	20	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	2	2	2	1
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	7	1	0	0	0	0	1	3	3	4	9	3
USGS7380251 Barataria Bay North of Grand Isle	14	2	0	0	0	1	4	11	7	9	14	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	1	0	0	0	2	3	8	4	4	6	3
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	25	10	5	4	3	9	18	23	20	23	23	17
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	3	3	1
HWQ16 - Bayou Grand Liard	17	5	2	2	1	3	5	10	10	13	16	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	3	0	0	0	0	0	2	6	7	11	7
CRMS 0224	7	2	0	0	0	0	1	3	6	6	11	7
CRMS 0163	2	0	0	0	0	1	1	1	1	3	1	0
CRMS 0162	5	2	1	2	1	2	0	8	19	22	11	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-2	-6	-6	-4	-4	-2	-1	0	-1	-1	-1	-3
HWQ-08- At the Outfall	-3	-5	-4	-2	-2	-1	-2	-1	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-4	-7	-5	-2	-1	-1	-2	-2	-2	-2	-3	-6
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-10	-5	-3	-3	-2	-2	-2	-2	-1	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-5	-9	-6	-4	-3	-3	-2	-1	-1	-1	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-9	-4	-4	-4	-3	-3	-2	-1	-1	-2	-4
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-2	-2	-3	-2	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-4	-5	-4	-3	-2	-1	0	-1	-1	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	1	0	0
HWQ16 - Bayou Grand Liard	-2	0	-1	-1	0	-1	-2	-1	-1	-1	0	-1
CRMS 3985	0	0	-1	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-5	-2	-1	0	0	-1	-2	-1	-1	-1	-3
CRMS 0224	-6	-8	-5	-2	-2	-1	-2	-2	-2	-1	-2	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	1	0	1	1	1	0	0

Figure WQ SAL 127 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	16	14	10	10	10	18	23	20	19	19	17
HWQ-08- At the Outfall	3	6	4	4	4	3	2	1	3	3	4	4
CRMS0276 - Just east of Wilkinson Canal	5	8	6	4	4	3	2	2	5	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	12	5	5	4	4	3	6	6	6	11	8
USGS7380251 Barataria Bay North of Grand Isle	21	14	7	6	6	5	7	16	11	12	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	6	7	8	5	10	6	6	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	4	3	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	22	26	24	23	22	20
HWQ14 - Lake Washington	8	1	0	0	0	0	1	2	8	1	2	1
HWQ16 - Bayou Grand Liard	21	8	9	6	5	7	9	13	14	13	13	11
CRMS 3985	0	0	0	1	1	2	1	0	0	0	0	0
CRMS 0258	11	10	7	3	3	2	3	3	10	10	10	8
CRMS 0224	14	13	8	5	4	4	3	6	10	10	12	10
CRMS 0163	5	0	0	0	0	1	2	3	9	1	0	0
CRMS 0162	10	3	7	8	8	7	8	18	27	14	6	3

V3PR3_HYST - cy 3 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	12	11	8	6	8	18	23	18	18	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	3	2	3	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	11	3	1	1	1	2	2	4	4	4	8	4
USGS7380251 Barataria Bay North of Grand Isle	19	6	3	3	1	3	7	13	9	10	13	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	4	1	3	3	5	5	8	4	4	6	4
USGS 07380335 - Little Lake Near Cutoff	3	1	0	1	1	2	1	1	1	0	1	1
USGS073802516 Barataria Pass at Grand Isle	28	16	16	12	10	14	23	26	23	23	21	19
HWQ14 - Lake Washington	8	1	0	0	0	0	1	2	9	1	2	1
HWQ16 - Bayou Grand Liard	20	8	9	6	5	7	8	13	13	13	13	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	10	6	4	2	2	2	1	2	9	10	9	7
CRMS 0224	11	5	3	2	2	2	2	4	8	8	10	8
CRMS 0163	5	0	0	1	0	1	2	3	10	1	0	0
CRMS 0162	11	3	7	9	8	6	9	18	27	15	7	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-4	-2	-2	-4	-2	0	-1	-1	-1	-1	-2
HWQ-08- At the Outfall	-3	-6	-4	-4	-4	-3	-2	-1	-3	-3	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-8	-5	-4	-4	-2	-2	-1	-3	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-1	0	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-10	-4	-3	-4	-2	-1	-3	-2	-2	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-2	-8	-4	-3	-4	-3	0	-2	-2	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-8	-2	-3	-4	-3	0	-3	-2	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-2	-1	-2	-2	-2	0	0	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	0	-2	-1	-2	-2	-1	0	0	-1	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	1	0	0	0
HWQ16 - Bayou Grand Liard	-1	0	-1	-1	0	-1	0	-1	-1	0	0	0
CRMS 3985	0	0	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-4	-3	-1	-1	-1	-2	-1	-1	-1	-1	-1
CRMS 0224	-2	-8	-5	-2	-3	-2	-1	-2	-2	-2	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	1	0	0	0
CRMS 0162	1	0	1	0	0	-1	1	0	1	0	1	0

Figure WQ SAL 128 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	11	9	7	7	6	10	15	13	15	20	19
HWQ-08- At the Outfall	3	5	4	3	2	2	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	7	4	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	13	10	5	4	4	3	4	4	3	4	10	9
USGS7380251 Barataria Bay North of Grand Isle	18	10	6	5	5	4	5	8	6	8	14	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	5	5	6	6	6	7	4	4	7	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	4	3	3	2	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	23	12	12	9	10	9	14	18	17	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	16	4	4	3	3	3	4	7	7	10	16	14
CRMS 3985	0	1	1	1	2	2	1	1	0	0	0	0
CRMS 0258	10	6	3	2	1	1	2	2	4	5	10	12
CRMS 0224	13	9	5	3	3	2	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	3	4	4	1	0	1	8	11	13	7

V3PR3_HYST - cy 3 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	16	4	3	2	2	2	4	11	13	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	1	2	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	7	1	0	0	0	0	0	3	5	8	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	1	0	0	1	1	1	2	3	4	6	5
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	19	7	7	6	6	5	10	16	17	21	23	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	10	3	3	2	2	2	2	4	7	10	15	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	1	0	1	0	0	0	0	3	4	9	10
CRMS 0224	2	1	0	0	0	0	0	0	3	5	9	9
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	4	4	5	0	0	1	8	12	13	8

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-6	-6	-6	-5	-5	-4	-6	-3	0	0	-1	-2
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-4	-3	-2	-1	-2	-2	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-2	-1	-1	0	0	0	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-11	-10	-5	-4	-4	-3	-4	-3	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-11	-9	-6	-4	-4	-4	-5	-5	-1	0	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-9	-5	-5	-5	-5	-5	-5	-1	0	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-2	-3	-2	-3	-3	-3	-3	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-4	-5	-5	-4	-4	-3	-4	-2	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-6	-1	-1	-1	-1	-1	-3	-3	0	0	0	0
CRMS 3985	0	-1	-1	-1	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-7	-5	-2	-1	-1	-1	-2	-2	-1	0	-1	-2
CRMS 0224	-11	-8	-5	-3	-2	-2	-3	-3	-1	-1	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	1	0	1	0	0	0	0	1	1	1

Figure WQ SAL 129 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	19	12	7	5	4	9	16	14	16	21	15
HWQ-08- At the Outfall	3	7	5	4	2	1	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	9	7	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	3	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	13	6	4	3	3	3	5	4	4	11	9
USGS7380251 Barataria Bay North of Grand Isle	21	16	8	5	4	3	4	9	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	5	5	5	5	8	4	4	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	4	3	2	2	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	28	22	15	9	7	6	12	19	18	22	24	17
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	14	7	3	1	1	3	8	8	11	16	8
CRMS 3985	0	0	0	1	2	2	1	1	0	0	0	0
CRMS 0258	12	14	8	1	1	0	1	2	5	5	11	9
CRMS 0224	14	15	9	3	2	1	2	4	5	6	12	11
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	10	3	3	1	0	0	1	11	16	12	1

V3PR3_HYST - cy 3 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	18	6	2	1	1	4	15	14	16	20	9
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	2	0	0	0	0	0	0	1	1	2	0
Barataria Waterway at Lafitte (USACE82875)	1	1	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	11	9	1	0	0	0	0	2	3	3	8	1
USGS7380251 Barataria Bay North of Grand Isle	19	13	2	0	0	0	0	6	6	8	13	3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	9	1	0	1	1	0	4	3	3	6	1
USGS 07380335 - Little Lake Near Cutoff	3	2	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	21	10	5	3	3	9	19	18	21	23	13
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	19	13	7	2	1	1	1	6	8	11	16	7
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	10	12	4	1	0	0	0	1	4	5	10	4
CRMS 0224	12	12	3	0	0	0	0	1	4	5	10	3
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	11	3	3	1	0	0	2	12	18	12	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-1	-6	-5	-4	-3	-5	-1	0	0	-1	-6
HWQ-08- At the Outfall	-3	-6	-5	-4	-2	-1	-2	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-7	-7	-3	-2	-1	-2	-2	-2	-2	-3	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-3	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-6	-4	-3	-3	-3	-3	-1	-1	-3	-9
USGS7380251 Barataria Bay North of Grand Isle	-1	-3	-6	-4	-4	-3	-4	-3	-1	-1	-2	-9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-3	-5	-5	-4	-4	-4	-1	-1	-2	-7
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-3	-3	-3	-2	-2	-1	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	0	-1	-4	-4	-3	-3	-4	-1	0	0	-1	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	0	0	-1	0	-1	-2	-2	0	0	0	0
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-2	-4	-1	-1	0	-1	-2	-1	0	-1	-5
CRMS 0224	-2	-3	-7	-2	-2	-1	-2	-3	-1	-1	-2	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	1	1	0	0	0	0	0	1	1	1	0

Figure WQ SAL 130 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2002 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	12	7	6	5	13	22	18	18	20	19
HWQ-08- At the Outfall	3	5	4	3	2	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	8	5	3	2	1	2	2	5	5	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	11	5	4	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	19	12	7	5	4	4	6	14	9	10	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	4	5	5	6	5	10	5	5	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	3	3	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	25	15	15	9	8	7	17	25	22	22	22	22
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	1	1	2	1
HWQ16 - Bayou Grand Liard	17	6	6	3	2	2	5	12	12	12	14	13
CRMS 3985	0	0	0	1	2	1	1	0	0	0	0	0
CRMS 0258	10	9	4	2	1	1	2	4	8	9	11	11
CRMS 0224	13	11	6	3	2	2	3	5	8	8	12	12
CRMS 0163	2	0	0	0	0	0	1	2	2	1	1	0
CRMS 0162	4	2	5	2	3	0	0	10	21	11	8	5

V3PR4_HYST - cy 3 - 2002 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	5	6	1	1	1	10	20	16	16	18	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	2	3	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	1	0	0	0	0	0	3	3	3	8	4
USGS7380251 Barataria Bay North of Grand Isle	9	2	1	0	0	0	2	12	7	8	13	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	2	0	0	0	0	1	8	4	4	6	4
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	21	9	11	3	3	3	15	24	20	22	21	19
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	1	1	2	1
HWQ16 - Bayou Grand Liard	11	5	5	2	1	1	3	10	10	11	14	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	2	1	0	0	0	0	1	6	7	10	9
CRMS 0224	2	1	0	0	0	0	0	3	6	6	10	8
CRMS 0163	2	0	0	0	0	0	1	2	1	1	1	0
CRMS 0162	4	2	5	2	3	0	0	10	20	10	8	4

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-8	-5	-6	-5	-4	-3	-1	-2	-1	-1	-3
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-1	-2	-2	-3	-3	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-5	-3	-2	-1	-2	-2	-3	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-10	-5	-4	-3	-3	-3	-3	-2	-2	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-9	-10	-6	-5	-4	-4	-4	-2	-2	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-9	-4	-5	-5	-5	-4	-2	-2	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-2	-2	-1	-3	-3	-3	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-3	-6	-4	-5	-5	-4	-2	-1	-1	-1	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-1	0	0	0
HWQ16 - Bayou Grand Liard	-6	-1	-1	-1	-1	-1	-2	-2	-1	-1	-1	-1
CRMS 3985	0	0	0	-1	-2	-1	-1	0	0	0	0	0
CRMS 0258	-8	-7	-3	-1	-1	-1	-2	-2	-2	-2	-1	-3
CRMS 0224	-10	-10	-6	-3	-2	-2	-3	-2	-2	-2	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	-1	0	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-1	-1	1	0

Figure WQ SAL 131 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	12	8	6	5	7	15	20	17	19	21	17
HWQ-08- At the Outfall	3	5	4	2	2	1	2	1	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	7	5	2	1	1	2	2	4	4	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	1	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	10	5	3	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	20	11	6	4	3	3	7	12	8	10	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	10	4	4	4	5	6	9	5	5	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	3	2	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	26	14	10	8	7	11	19	23	21	24	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	2	3	1
HWQ16 - Bayou Grand Liard	18	5	3	2	1	4	7	11	11	14	16	11
CRMS 3985	0	0	1	1	1	1	1	0	0	0	0	0
CRMS 0258	10	7	3	1	1	1	2	3	7	8	12	10
CRMS 0224	13	10	5	2	2	2	3	5	8	8	13	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	5	2	1	2	1	1	0	7	19	21	11	3

V3PR4_HYST - cy 3 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	4	1	1	1	4	13	19	15	17	20	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	2	1	3	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	0	0	0	0	0	1	3	3	3	8	3
USGS7380251 Barataria Bay North of Grand Isle	13	1	0	0	0	0	4	10	6	9	14	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	1	0	0	0	1	2	7	4	4	6	3
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	24	8	4	3	2	9	18	22	20	22	23	16
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	1	3	1
HWQ16 - Bayou Grand Liard	16	4	2	1	1	3	5	9	10	12	15	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	6	1	0	0	0	0	0	1	6	6	11	6
CRMS 0224	7	1	0	0	0	0	0	3	6	6	10	6
CRMS 0163	2	0	0	0	0	0	0	1	0	2	1	0
CRMS 0162	5	2	1	2	1	2	0	6	18	20	11	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-8	-7	-5	-4	-3	-2	-1	-1	-2	-1	-4
HWQ-08- At the Outfall	-3	-5	-4	-2	-2	-1	-2	-1	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-4	-7	-5	-2	-1	-1	-2	-2	-3	-3	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-10	-5	-3	-3	-2	-3	-2	-2	-2	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-7	-10	-6	-4	-3	-3	-3	-2	-2	-2	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-9	-4	-4	-4	-4	-3	-2	-1	-1	-2	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-2	-2	-3	-2	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-2	-6	-6	-5	-4	-2	-1	-1	-1	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-1	0	0
HWQ16 - Bayou Grand Liard	-2	-1	-1	-1	-1	-1	-2	-1	-1	-1	-1	-1
CRMS 3985	0	0	-1	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-6	-3	-1	-1	0	-2	-2	-1	-2	-2	-4
CRMS 0224	-6	-9	-5	-2	-2	-1	-2	-2	-2	-2	-2	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-1	-2	0	0

Figure WQ SAL 132 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	16	14	10	10	10	18	23	20	19	19	17
HWQ-08- At the Outfall	3	6	4	4	4	3	2	1	3	3	4	4
CRMS0276 - Just east of Wilkinson Canal	5	8	6	4	4	3	2	2	5	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	12	5	5	4	4	3	6	6	6	11	8
USGS7380251 Barataria Bay North of Grand Isle	21	14	7	6	6	5	7	16	11	12	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	6	7	8	5	10	6	6	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	4	3	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	22	26	24	23	22	20
HWQ14 - Lake Washington	8	1	0	0	0	0	1	2	8	1	2	1
HWQ16 - Bayou Grand Liard	21	8	9	6	5	7	9	13	14	13	13	11
CRMS 3985	0	0	0	1	1	2	1	0	0	0	0	0
CRMS 0258	11	10	7	3	3	2	3	3	10	10	10	8
CRMS 0224	14	13	8	5	4	4	3	6	10	10	12	10
CRMS 0163	5	0	0	0	0	1	2	3	9	1	0	0
CRMS 0162	10	3	7	8	8	7	8	18	27	14	6	3

V3PR4_HYST - cy 3 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	10	11	7	5	8	18	22	18	17	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	2	2	3	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	10	2	1	1	0	2	2	3	3	4	8	4
USGS7380251 Barataria Bay North of Grand Isle	19	4	3	2	1	2	7	13	8	9	12	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	3	1	2	2	4	5	8	4	4	6	4
USGS 07380335 - Little Lake Near Cutoff	3	1	0	1	1	1	1	1	1	0	1	1
USGS073802516 Barataria Pass at Grand Isle	28	15	15	11	9	13	22	25	22	22	21	19
HWQ14 - Lake Washington	8	1	0	0	0	0	1	1	6	1	2	1
HWQ16 - Bayou Grand Liard	20	7	8	6	4	6	8	12	12	12	13	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	10	4	3	2	1	1	1	2	8	8	9	7
CRMS 0224	11	3	2	2	1	2	2	3	7	7	10	7
CRMS 0163	4	0	0	0	0	1	2	2	6	1	0	0
CRMS 0162	10	3	7	9	7	5	7	17	26	13	6	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-5	-3	-3	-5	-2	0	-1	-2	-1	-1	-2
HWQ-08- At the Outfall	-3	-6	-4	-4	-4	-3	-2	-1	-3	-3	-4	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-8	-5	-4	-4	-2	-2	-1	-3	-4	-3	-3
Barataria Waterway at Lafitte (USACE82875)	0	-2	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-11	-4	-4	-4	-3	-1	-3	-2	-2	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-2	-10	-4	-4	-5	-3	0	-2	-3	-2	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-8	-2	-3	-5	-4	-1	-3	-2	-2	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-1	-2	-2	-2	0	0	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-3	-2	-2	-3	-1	0	-1	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-2	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-1	-1	-2	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-6	-4	-1	-1	-1	-2	-2	-2	-2	-1	-2
CRMS 0224	-2	-9	-5	-3	-3	-2	-2	-2	-3	-3	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	-3	0	0	0
CRMS 0162	0	0	1	0	0	-2	-1	-1	-1	-1	0	0

Figure WQ SAL 133 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	11	9	7	7	6	10	15	13	15	20	19
HWQ-08- At the Outfall	3	5	4	3	2	2	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	7	4	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	13	10	5	4	4	3	4	4	3	4	10	9
USGS7380251 Barataria Bay North of Grand Isle	18	10	6	5	5	4	5	8	6	8	14	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	5	5	6	6	6	7	4	4	7	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	4	3	3	2	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	23	12	12	9	10	9	14	18	17	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	16	4	4	3	3	3	4	7	7	10	16	14
CRMS 3985	0	1	1	1	2	2	1	1	0	0	0	0
CRMS 0258	10	6	3	2	1	1	2	2	4	5	10	12
CRMS 0224	13	9	5	3	3	2	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	3	4	4	1	0	1	8	11	13	7

V3PR4_HYST - cy 3 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	13	3	2	1	1	1	3	10	13	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	3	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	0	2	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	5	0	0	0	0	0	0	2	5	7	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	1	0	2	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	17	6	6	4	4	4	8	15	17	21	23	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	8	3	2	2	2	1	1	3	7	10	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	0	0	0	3	4	9	10
CRMS 0224	1	0	0	0	0	0	0	0	3	4	9	9
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	4	4	4	0	0	1	8	10	13	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-8	-8	-7	-6	-6	-5	-7	-5	-1	0	-1	-2
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-4	-3	-2	-1	-2	-2	-2	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-13	-10	-5	-4	-4	-3	-4	-3	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-14	-10	-6	-5	-4	-4	-5	-6	-1	-1	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-9	-5	-5	-5	-5	-5	-5	-1	0	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-2	-3	-2	-3	-3	-3	-3	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-6	-6	-6	-5	-5	-4	-5	-3	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-7	-1	-2	-1	-1	-1	-3	-4	-1	0	-1	-1
CRMS 3985	0	-1	-1	-1	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-8	-6	-2	-1	-1	-1	-2	-2	-1	-1	-1	-2
CRMS 0224	-12	-9	-5	-3	-2	-2	-3	-3	-2	-1	-1	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-2	0	-1

Figure WQ SAL 134 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	19	12	7	5	4	9	16	14	16	21	15
HWQ-08- At the Outfall	3	7	5	4	2	1	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	9	7	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	3	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	13	6	4	3	3	3	5	4	4	11	9
USGS7380251 Barataria Bay North of Grand Isle	21	16	8	5	4	3	4	9	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	5	5	5	5	8	4	4	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	4	3	2	2	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	28	22	15	9	7	6	12	19	18	22	24	17
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	14	7	3	1	1	3	8	8	11	16	8
CRMS 3985	0	0	0	1	2	2	1	1	0	0	0	0
CRMS 0258	12	14	8	1	1	0	1	2	5	5	11	9
CRMS 0224	14	15	9	3	2	1	2	4	5	6	12	11
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	10	3	3	1	0	0	1	11	16	12	1

V3PR4_HYST - cy 3 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	18	4	1	1	0	2	14	13	16	20	6
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	3	0	0	0	0	0	0	1	1	3	0
Barataria Waterway at Lafitte (USACE82875)	1	1	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	11	9	0	0	0	0	0	1	2	3	8	0
USGS7380251 Barataria Bay North of Grand Isle	19	13	1	0	0	0	0	5	5	8	14	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	9	1	0	0	0	0	4	3	4	6	1
USGS 07380335 - Little Lake Near Cutoff	3	2	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	21	9	4	2	2	7	18	18	21	23	10
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	19	13	6	2	1	1	1	5	8	11	16	7
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	10	12	2	0	0	0	0	0	4	4	10	3
CRMS 0224	12	11	2	0	0	0	0	1	4	5	10	2
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	10	3	3	1	0	0	1	10	15	12	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-8	-6	-5	-4	-6	-2	-1	0	-1	-8
HWQ-08- At the Outfall	-3	-6	-5	-4	-2	-1	-2	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-7	-7	-3	-2	-1	-2	-2	-2	-2	-3	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-3	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-6	-4	-3	-3	-3	-3	-1	-1	-3	-9
USGS7380251 Barataria Bay North of Grand Isle	-2	-3	-7	-5	-4	-3	-4	-4	-1	-1	-2	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-3	-5	-5	-5	-4	-4	-1	-1	-2	-7
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-3	-3	-3	-2	-2	-1	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	0	-1	-6	-5	-4	-4	-5	-1	-1	0	-1	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-3	-3	-1	0	0	-1
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-2	-5	-1	-1	0	-1	-2	-1	-1	-1	-6
CRMS 0224	-2	-4	-8	-3	-2	-1	-2	-3	-2	-1	-2	-9
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	-1	-1	0	0

Figure WQ SAL 135 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2002 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	12	7	6	5	13	22	18	18	20	19
HWQ-08- At the Outfall	3	5	4	3	2	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	8	5	3	2	1	2	2	5	5	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	11	5	4	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	19	12	7	5	4	4	6	14	9	10	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	4	5	5	6	5	10	5	5	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	3	3	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	25	15	15	9	8	7	17	25	22	22	22	22
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	1	1	2	1
HWQ16 - Bayou Grand Liard	17	6	6	3	2	2	5	12	12	12	14	13
CRMS 3985	0	0	0	1	2	1	1	0	0	0	0	0
CRMS 0258	10	9	4	2	1	1	2	4	8	9	11	11
CRMS 0224	13	11	6	3	2	2	3	5	8	8	12	12
CRMS 0163	2	0	0	0	0	0	1	2	2	1	1	0
CRMS 0162	4	2	5	2	3	0	0	10	21	11	8	5

V3PR5_HYST - cy 3 - 2002 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	5	6	1	1	1	10	20	16	16	18	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	2	3	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	1	0	0	0	0	0	3	3	3	8	4
USGS7380251 Barataria Bay North of Grand Isle	9	2	1	0	0	0	2	12	7	8	13	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	2	0	0	0	0	1	7	4	4	6	4
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	21	9	11	3	3	3	15	24	20	22	21	19
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	0	0	2	1
HWQ16 - Bayou Grand Liard	11	5	5	2	1	1	3	10	10	11	14	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	2	1	0	0	0	0	1	6	7	10	9
CRMS 0224	2	1	0	0	0	0	0	3	6	6	10	8
CRMS 0163	2	0	0	0	0	0	1	2	1	1	1	0
CRMS 0162	5	2	5	2	3	0	0	10	20	10	8	4

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-8	-5	-6	-5	-4	-3	-1	-2	-1	-1	-3
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-1	-2	-2	-3	-3	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-5	-3	-2	-1	-2	-2	-3	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-11	-10	-5	-4	-3	-3	-3	-3	-2	-2	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-10	-10	-6	-5	-4	-4	-4	-2	-2	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-9	-4	-5	-5	-5	-4	-2	-2	-1	-2	-4
USGS 07380335 - Little Lake Near Cutoff	-2	-2	-1	-3	-3	-3	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-4	-6	-4	-5	-5	-4	-2	-1	-1	-1	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-1	0	0	0
HWQ16 - Bayou Grand Liard	-6	-2	-1	-1	-1	-1	-2	-2	-1	-1	-1	-1
CRMS 3985	0	0	0	-1	-2	-1	-1	0	0	0	0	0
CRMS 0258	-8	-7	-3	-1	-1	-1	-2	-2	-2	-2	-1	-2
CRMS 0224	-10	-10	-6	-3	-2	-2	-3	-3	-2	-2	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	-1	0	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-1	0	0	0

Figure WQ SAL 136 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	12	8	6	5	7	15	20	17	19	21	17
HWQ-08- At the Outfall	3	5	4	2	2	1	2	1	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	7	5	2	1	1	2	2	4	4	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	1	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	10	5	3	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	20	11	6	4	3	3	7	12	8	10	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	10	4	4	4	5	6	9	5	5	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	3	2	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	26	14	10	8	7	11	19	23	21	24	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	2	3	1
HWQ16 - Bayou Grand Liard	18	5	3	2	1	4	7	11	11	14	16	11
CRMS 3985	0	0	1	1	1	1	1	0	0	0	0	0
CRMS 0258	10	7	3	1	1	1	2	3	7	8	12	10
CRMS 0224	13	10	5	2	2	2	3	5	8	8	13	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	5	2	1	2	1	1	0	7	19	21	11	3

V3PR5_HYST - cy 3 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	4	1	1	1	4	13	19	15	17	20	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	2	2	3	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	0	0	0	0	0	1	4	3	3	8	3
USGS7380251 Barataria Bay North of Grand Isle	13	1	0	0	0	0	4	11	6	9	13	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	1	0	0	0	1	2	8	4	4	6	3
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	24	7	4	3	2	8	18	22	20	22	23	16
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	1	3	1
HWQ16 - Bayou Grand Liard	16	4	2	1	1	3	5	10	10	12	15	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	6	1	0	0	0	0	0	1	6	6	11	6
CRMS 0224	7	1	0	0	0	0	0	3	6	6	10	6
CRMS 0163	2	0	0	0	0	0	0	1	0	2	1	0
CRMS 0162	5	2	1	2	1	1	0	6	18	20	11	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-8	-7	-5	-4	-3	-2	-1	-1	-2	-1	-5
HWQ-08- At the Outfall	-3	-5	-4	-2	-2	-1	-2	-1	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-4	-7	-5	-2	-1	-1	-2	-2	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-10	-5	-3	-3	-2	-3	-2	-2	-2	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-7	-10	-6	-4	-3	-3	-3	-2	-2	-2	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-9	-4	-4	-4	-4	-3	-1	-1	-1	-2	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-2	-2	-3	-2	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-2	-6	-6	-5	-4	-2	-1	-1	-1	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-1	0	0
HWQ16 - Bayou Grand Liard	-2	-1	-1	-1	-1	-1	-2	-1	-1	-2	-1	-1
CRMS 3985	0	0	-1	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-6	-3	-1	-1	0	-1	-2	-1	-2	-2	-3
CRMS 0224	-6	-9	-5	-2	-2	-1	-2	-2	-2	-2	-2	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-1	-1	1	0

Figure WQ SAL 137 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	16	14	10	10	10	18	23	20	19	19	17
HWQ-08- At the Outfall	3	6	4	4	4	3	2	1	3	3	4	4
CRMS0276 - Just east of Wilkinson Canal	5	8	6	4	4	3	2	2	5	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	12	5	5	4	4	3	6	6	6	11	8
USGS7380251 Barataria Bay North of Grand Isle	21	14	7	6	6	5	7	16	11	12	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	6	7	8	5	10	6	6	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	4	3	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	22	26	24	23	22	20
HWQ14 - Lake Washington	8	1	0	0	0	0	1	2	8	1	2	1
HWQ16 - Bayou Grand Liard	21	8	9	6	5	7	9	13	14	13	13	11
CRMS 3985	0	0	0	1	1	2	1	0	0	0	0	0
CRMS 0258	11	10	7	3	3	2	3	3	10	10	10	8
CRMS 0224	14	13	8	5	4	4	3	6	10	10	12	10
CRMS 0163	5	0	0	0	0	1	2	3	9	1	0	0
CRMS 0162	10	3	7	8	8	7	8	18	27	14	6	3

V3PR5_HYST - cy 3 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	10	11	7	5	8	18	22	17	17	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	2	2	3	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	10	2	1	1	0	2	2	3	3	4	8	4
USGS7380251 Barataria Bay North of Grand Isle	19	4	3	2	1	2	7	13	8	9	12	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	3	1	2	2	4	5	8	4	4	6	4
USGS 07380335 - Little Lake Near Cutoff	3	1	0	1	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	14	15	11	9	13	22	25	22	22	21	18
HWQ14 - Lake Washington	8	1	0	0	0	0	1	1	5	1	2	1
HWQ16 - Bayou Grand Liard	20	7	8	5	4	6	8	12	12	12	13	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	10	5	3	2	1	1	1	2	8	8	9	7
CRMS 0224	11	4	2	2	1	2	2	3	7	7	9	7
CRMS 0163	4	0	0	0	0	1	2	2	5	1	0	0
CRMS 0162	10	3	7	9	8	6	7	17	26	13	6	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-5	-3	-3	-5	-2	0	-1	-2	-2	-1	-2
HWQ-08- At the Outfall	-3	-6	-4	-4	-4	-3	-2	-1	-3	-3	-4	-4
CRMS0276 - Just east of Wilkinson Canal	-3	-8	-5	-4	-4	-2	-2	-1	-3	-3	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-2	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-11	-4	-4	-4	-3	-1	-3	-2	-2	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-2	-10	-5	-4	-5	-3	0	-2	-3	-2	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-9	-2	-3	-5	-4	-1	-3	-2	-2	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-1	-2	-3	-2	0	0	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-3	-2	-2	-4	-1	0	-1	-2	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-3	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-1	-1	-2	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-5	-4	-1	-1	-1	-2	-2	-2	-3	-2	-2
CRMS 0224	-2	-9	-5	-3	-3	-2	-2	-2	-3	-3	-2	-3
CRMS 0163	0	0	0	0	0	0	0	-1	-4	0	0	0
CRMS 0162	0	0	1	0	0	-1	0	-1	-1	-1	0	0

Figure WQ SAL 138 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	11	9	7	7	6	10	15	13	15	20	19
HWQ-08- At the Outfall	3	5	4	3	2	2	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	7	4	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	13	10	5	4	4	3	4	4	3	4	10	9
USGS7380251 Barataria Bay North of Grand Isle	18	10	6	5	5	4	5	8	6	8	14	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	5	5	6	6	6	7	4	4	7	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	4	3	3	2	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	23	12	12	9	10	9	14	18	17	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	16	4	4	3	3	3	4	7	7	10	16	14
CRMS 3985	0	1	1	1	2	2	1	1	0	0	0	0
CRMS 0258	10	6	3	2	1	1	2	2	4	5	10	12
CRMS 0224	13	9	5	3	3	2	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	3	4	4	1	0	1	8	11	13	7

V3PR5_HYST - cy 3 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	13	3	2	1	1	1	3	10	12	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	3	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	0	2	3	8	5
USGS7380251 Barataria Bay North of Grand Isle	5	0	0	0	0	0	0	2	4	7	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	1	0	2	3	3	6	5
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	17	6	6	4	4	4	8	15	17	21	23	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	8	3	2	2	2	1	1	3	7	10	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	2	1	0	0	0	0	0	0	3	4	9	10
CRMS 0224	1	0	0	0	0	0	0	0	3	4	9	9
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	4	4	5	0	0	1	7	9	13	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-9	-8	-7	-6	-6	-5	-7	-5	-1	0	-1	-2
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-4	-3	-2	-1	-2	-2	-2	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-13	-10	-5	-4	-4	-3	-4	-3	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-14	-10	-6	-5	-4	-4	-5	-6	-1	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-9	-5	-5	-5	-5	-5	-5	-1	0	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-2	-3	-2	-3	-3	-3	-3	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-6	-6	-6	-5	-5	-5	-6	-3	-1	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-7	-1	-2	-1	-1	-2	-3	-4	-1	0	-1	-1
CRMS 3985	0	-1	-1	-1	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-8	-6	-2	-1	-1	-1	-2	-2	-1	-1	-1	-2
CRMS 0224	-12	-9	-5	-3	-2	-2	-3	-3	-2	-1	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	-1	-2	0	-1

Figure WQ SAL 139 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	19	12	7	5	4	9	16	14	16	21	15
HWQ-08- At the Outfall	3	7	5	4	2	1	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	9	7	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	3	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	13	6	4	3	3	3	5	4	4	11	9
USGS7380251 Barataria Bay North of Grand Isle	21	16	8	5	4	3	4	9	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	5	5	5	5	8	4	4	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	4	3	2	2	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	28	22	15	9	7	6	12	19	18	22	24	17
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	14	7	3	1	1	3	8	8	11	16	8
CRMS 3985	0	0	0	1	2	2	1	1	0	0	0	0
CRMS 0258	12	14	8	1	1	0	1	2	5	5	11	9
CRMS 0224	14	15	9	3	2	1	2	4	5	6	12	11
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	10	3	3	1	0	0	1	11	16	12	1

V3PR5_HYST - cy 3 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	18	4	1	1	0	2	14	13	16	20	6
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	3	0	0	0	0	0	0	1	1	3	0
Barataria Waterway at Lafitte (USACE82875)	1	1	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	11	8	0	0	0	0	0	1	2	3	8	0
USGS7380251 Barataria Bay North of Grand Isle	19	13	1	0	0	0	0	5	5	8	13	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	9	1	0	0	0	0	4	3	4	6	1
USGS 07380335 - Little Lake Near Cutoff	3	2	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	21	9	4	2	2	7	18	18	21	23	10
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	19	13	6	2	1	1	1	5	8	10	16	6
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	10	12	3	0	0	0	0	0	3	4	10	3
CRMS 0224	12	11	2	0	0	0	0	1	4	5	10	2
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	9	3	3	1	0	0	1	10	14	12	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-8	-6	-5	-4	-6	-2	-1	-1	-1	-9
HWQ-08- At the Outfall	-3	-6	-5	-4	-2	-1	-2	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-6	-7	-3	-2	-1	-2	-2	-2	-2	-2	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-3	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-6	-4	-3	-3	-3	-3	-1	-1	-3	-9
USGS7380251 Barataria Bay North of Grand Isle	-2	-3	-7	-5	-4	-3	-4	-4	-1	-1	-2	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-3	-5	-5	-5	-4	-4	-1	-1	-2	-7
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-3	-3	-3	-2	-2	-1	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-6	-5	-4	-4	-5	-2	-1	0	-1	-6
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-3	-3	-1	-1	0	-1
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-2	-2	-5	-1	-1	0	-1	-2	-1	-1	-1	-6
CRMS 0224	-2	-4	-8	-3	-2	-1	-2	-3	-2	-1	-2	-9
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	1	0	0	0	0	0	-1	-3	0	0

Figure WQ SAL 140 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2002 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	12	7	6	5	13	22	18	18	20	19
HWQ-08- At the Outfall	3	5	4	3	2	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	8	5	3	2	1	2	2	5	5	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	11	5	4	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	19	12	7	5	4	4	6	14	9	10	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	4	5	5	6	5	10	5	5	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	3	3	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	25	15	15	9	8	7	17	25	22	22	22	22
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	1	1	2	1
HWQ16 - Bayou Grand Liard	17	6	6	3	2	2	5	12	12	12	14	13
CRMS 3985	0	0	0	1	2	1	1	0	0	0	0	0
CRMS 0258	10	9	4	2	1	1	2	4	8	9	11	11
CRMS 0224	13	11	6	3	2	2	3	5	8	8	12	12
CRMS 0163	2	0	0	0	0	0	1	2	2	1	1	0
CRMS 0162	4	2	5	2	3	0	0	10	21	11	8	5

V3PR6_HYST - cy 3 - 2002 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	14	2	5	0	0	0	10	21	16	16	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	3	4	5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	3	3	3	7	3
USGS7380251 Barataria Bay North of Grand Isle	6	1	0	0	0	0	1	11	7	8	11	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	1	0	0	0	0	1	9	4	4	6	3
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	18	6	9	1	1	2	15	24	20	21	21	19
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	0	0	2	1
HWQ16 - Bayou Grand Liard	9	3	4	1	1	0	3	10	10	11	13	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	2	6	6	9	8
CRMS 0224	1	0	0	0	0	0	0	3	6	6	10	7
CRMS 0163	2	0	0	0	0	0	1	2	1	1	1	0
CRMS 0162	5	2	5	2	3	0	0	10	20	10	8	4

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-9	-11	-7	-7	-6	-4	-3	-1	-2	-1	-2	-4
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-1	-2	-2	-3	-3	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-5	-3	-2	-1	-2	-2	-4	-2	-2	-2
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-1	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-12	-11	-5	-4	-3	-3	-3	-3	-2	-3	-4	-6
USGS7380251 Barataria Bay North of Grand Isle	-13	-11	-7	-5	-4	-4	-4	-3	-2	-2	-3	-5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-9	-4	-5	-5	-6	-5	-1	-1	-1	-2	-4
USGS 07380335 - Little Lake Near Cutoff	-2	-3	-1	-3	-3	-3	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-7	-9	-6	-8	-7	-6	-2	-1	-1	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-1	0	0	0
HWQ16 - Bayou Grand Liard	-8	-3	-2	-2	-2	-2	-3	-2	-2	-1	-1	-1
CRMS 3985	0	0	0	-1	-2	-1	-1	0	0	0	0	0
CRMS 0258	-9	-8	-4	-2	-1	-1	-2	-2	-2	-2	-2	-3
CRMS 0224	-12	-11	-6	-3	-2	-2	-3	-2	-3	-3	-2	-5
CRMS 0163	0	0	0	0	0	0	0	0	-1	0	0	0
CRMS 0162	0	0	1	0	0	0	0	-1	-1	-1	0	0

Figure WQ SAL 141 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	12	8	6	5	7	15	20	17	19	21	17
HWQ-08- At the Outfall	3	5	4	2	2	1	2	1	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	7	5	2	1	1	2	2	4	4	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	1	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	10	5	3	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	20	11	6	4	3	3	7	12	8	10	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	10	4	4	4	5	6	9	5	5	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	3	2	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	26	14	10	8	7	11	19	23	21	24	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	2	3	1
HWQ16 - Bayou Grand Liard	18	5	3	2	1	4	7	11	11	14	16	11
CRMS 3985	0	0	1	1	1	1	1	0	0	0	0	0
CRMS 0258	10	7	3	1	1	1	2	3	7	8	12	10
CRMS 0224	13	10	5	2	2	2	3	5	8	8	13	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	5	2	1	2	1	1	0	7	19	21	11	3

V3PR6_HYST - cy 3 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	1	0	0	0	4	13	20	15	17	20	11
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	1	3	4	5
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	0	0	0	0	4	3	3	8	3
USGS7380251 Barataria Bay North of Grand Isle	8	0	0	0	0	0	3	11	6	8	13	5
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	0	0	0	0	1	2	9	4	4	7	3
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	22	4	1	1	1	8	18	23	20	23	23	15
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	1	3	1
HWQ16 - Bayou Grand Liard	15	3	1	1	0	2	5	10	10	12	15	9
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	6	0	0	0	0	0	0	2	6	6	11	5
CRMS 0224	5	0	0	0	0	0	0	3	5	5	11	5
CRMS 0163	2	0	0	0	0	0	0	1	0	2	1	0
CRMS 0162	5	2	1	2	1	1	0	7	18	20	11	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-6	-11	-8	-6	-5	-3	-2	0	-1	-1	-1	-6
HWQ-08- At the Outfall	-3	-5	-4	-2	-2	-1	-2	-1	-3	-2	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-7	-5	-2	-1	-1	-2	-2	-3	-1	-2	-2
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-10	-5	-3	-3	-2	-3	-2	-2	-2	-4	-7
USGS7380251 Barataria Bay North of Grand Isle	-11	-11	-6	-4	-3	-3	-4	-2	-2	-2	-3	-8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7	-10	-4	-4	-4	-5	-4	0	-1	-1	-1	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-2	-3	-3	-2	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-4	-10	-8	-7	-6	-3	-1	0	-1	-1	-1	-5
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-1	0	0
HWQ16 - Bayou Grand Liard	-4	-2	-2	-2	-1	-1	-2	-1	-1	-2	-1	-2
CRMS 3985	0	0	-1	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-5	-7	-3	-1	-1	-1	-2	-2	-1	-2	-2	-4
CRMS 0224	-8	-10	-5	-2	-2	-2	-2	-2	-2	-2	-2	-7
CRMS 0163	0	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	0	-1	-2	1	0

Figure WQ SAL 142 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	16	14	10	10	10	18	23	20	19	19	17
HWQ-08- At the Outfall	3	6	4	4	4	3	2	1	3	3	4	4
CRMS0276 - Just east of Wilkinson Canal	5	8	6	4	4	3	2	2	5	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	12	5	5	4	4	3	6	6	6	11	8
USGS7380251 Barataria Bay North of Grand Isle	21	14	7	6	6	5	7	16	11	12	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	6	7	8	5	10	6	6	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	4	3	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	22	26	24	23	22	20
HWQ14 - Lake Washington	8	1	0	0	0	0	1	2	8	1	2	1
HWQ16 - Bayou Grand Liard	21	8	9	6	5	7	9	13	14	13	13	11
CRMS 3985	0	0	0	1	1	2	1	0	0	0	0	0
CRMS 0258	11	10	7	3	3	2	3	3	10	10	10	8
CRMS 0224	14	13	8	5	4	4	3	6	10	10	12	10
CRMS 0163	5	0	0	0	0	1	2	3	9	1	0	0
CRMS 0162	10	3	7	8	8	7	8	18	27	14	6	3

V3PR6_HYST - cy 3 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	7	9	6	3	7	18	23	18	17	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	1	0	0	0	0	0	0	1	3	4	5
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	9	0	1	1	0	1	1	4	3	3	7	3
USGS7380251 Barataria Bay North of Grand Isle	17	2	2	2	0	2	6	13	8	8	11	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	2	1	2	1	3	5	10	4	4	6	4
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	12	14	10	7	13	22	26	22	22	20	18
HWQ14 - Lake Washington	8	1	0	0	0	0	1	1	5	1	1	1
HWQ16 - Bayou Grand Liard	20	6	8	5	4	6	8	13	12	12	12	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	11	2	2	1	1	1	1	2	8	8	8	6
CRMS 0224	11	1	1	1	1	1	1	4	7	7	9	7
CRMS 0163	4	0	0	1	0	1	2	2	5	1	0	0
CRMS 0162	10	3	8	8	8	5	7	17	26	11	6	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-9	-5	-4	-6	-3	0	0	-2	-2	-2	-2
HWQ-08- At the Outfall	-3	-6	-4	-4	-4	-3	-2	-1	-3	-3	-4	-4
CRMS0276 - Just east of Wilkinson Canal	-1	-8	-5	-4	-3	-2	-2	-1	-4	-3	-2	-1
Barataria Waterway at Lafitte (USACE82875)	0	-2	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-12	-5	-4	-4	-3	-2	-3	-2	-3	-4	-5
USGS7380251 Barataria Bay North of Grand Isle	-4	-12	-6	-4	-5	-4	-1	-3	-3	-3	-3	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-10	-3	-4	-6	-5	-1	0	-1	-2	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-1	-2	-3	-2	-1	0	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-5	-3	-3	-5	-2	0	0	-1	-1	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-3	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-2	-1	-1	-2	-1	0	-2	-2	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-1	-8	-5	-2	-2	-1	-2	-1	-2	-3	-2	-2
CRMS 0224	-2	-12	-6	-4	-4	-3	-2	-2	-3	-3	-2	-3
CRMS 0163	0	0	0	0	0	0	0	-1	-3	0	0	0
CRMS 0162	0	0	1	0	0	-2	0	-1	-1	-3	0	0

Figure WQ SAL 143 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	11	9	7	7	6	10	15	13	15	20	19
HWQ-08- At the Outfall	3	5	4	3	2	2	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	7	4	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	13	10	5	4	4	3	4	4	3	4	10	9
USGS7380251 Barataria Bay North of Grand Isle	18	10	6	5	5	4	5	8	6	8	14	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	5	5	6	6	6	7	4	4	7	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	4	3	3	2	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	23	12	12	9	10	9	14	18	17	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	16	4	4	3	3	3	4	7	7	10	16	14
CRMS 3985	0	1	1	1	2	2	1	1	0	0	0	0
CRMS 0258	10	6	3	2	1	1	2	2	4	5	10	12
CRMS 0224	13	9	5	3	3	2	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	3	4	4	1	0	1	8	11	13	7

V3PR6_HYST - cy 3 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	6	1	1	0	1	0	1	7	12	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	3	5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	2	2	7	4
USGS7380251 Barataria Bay North of Grand Isle	1	0	0	0	0	0	0	1	4	6	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	1	2	3	6	4
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	12	2	3	2	2	3	6	13	17	20	23	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	2	1
HWQ16 - Bayou Grand Liard	6	2	1	1	1	1	0	3	7	9	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	2	4	9	10
CRMS 0224	0	0	0	0	0	0	0	0	2	4	9	9
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	4	1	4	4	4	0	0	1	7	9	13	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-15	-10	-9	-7	-7	-5	-9	-7	-1	-1	-1	-2
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-4	-3	-2	-1	-2	-2	-3	-1	-2	-2
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-13	-10	-5	-4	-4	-3	-4	-4	-2	-2	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-17	-10	-6	-5	-5	-4	-5	-6	-2	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-11	-10	-5	-5	-6	-6	-6	-6	-1	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-3	-3	-2	-3	-4	-3	-3	-2	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-11	-10	-8	-7	-7	-6	-8	-5	-1	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	-1	0
HWQ16 - Bayou Grand Liard	-10	-2	-3	-2	-2	-2	-4	-5	-1	-1	-1	-1
CRMS 3985	0	-1	-1	-1	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-9	-6	-3	-2	-1	-1	-2	-2	-2	-1	-1	-2
CRMS 0224	-13	-9	-5	-3	-3	-2	-3	-3	-2	-1	-1	-4
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	-1	-2	0	-1

Figure WQ SAL 144 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	19	12	7	5	4	9	16	14	16	21	15
HWQ-08- At the Outfall	3	7	5	4	2	1	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	9	7	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	3	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	13	6	4	3	3	3	5	4	4	11	9
USGS7380251 Barataria Bay North of Grand Isle	21	16	8	5	4	3	4	9	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	5	5	5	5	8	4	4	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	4	3	2	2	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	28	22	15	9	7	6	12	19	18	22	24	17
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	14	7	3	1	1	3	8	8	11	16	8
CRMS 3985	0	0	0	1	2	2	1	1	0	0	0	0
CRMS 0258	12	14	8	1	1	0	1	2	5	5	11	9
CRMS 0224	14	15	9	3	2	1	2	4	5	6	12	11
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	10	3	3	1	0	0	1	11	16	12	1

V3PR6_HYST - cy 3 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	18	2	0	0	0	1	13	13	16	20	3
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	5	2	0	0	0	0	0	0	2	3	3
Barataria Waterway at Lafitte (USACE82875)	1	1	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	9	8	0	0	0	0	0	1	2	2	7	0
USGS7380251 Barataria Bay North of Grand Isle	17	12	1	0	0	0	0	4	5	7	12	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	9	1	0	0	0	0	3	3	4	6	1
USGS 07380335 - Little Lake Near Cutoff	3	2	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	21	5	2	1	1	5	18	18	21	23	6
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	19	13	5	1	0	0	0	5	7	10	16	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	11	12	2	0	0	0	0	0	3	4	10	2
CRMS 0224	11	11	1	0	0	0	0	1	3	4	10	1
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	10	3	4	1	0	0	1	10	15	12	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-10	-7	-5	-4	-8	-3	-1	-1	-1	-12
HWQ-08- At the Outfall	-3	-6	-5	-4	-2	-1	-2	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-1	-4	-6	-3	-2	-1	-2	-2	-3	-2	-2	-3
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-3	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-5	-6	-4	-3	-3	-3	-4	-2	-2	-4	-9
USGS7380251 Barataria Bay North of Grand Isle	-3	-3	-7	-5	-4	-3	-4	-5	-2	-1	-3	-12
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-4	-5	-5	-5	-5	-5	-1	-1	-2	-7
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-3	-4	-3	-2	-2	-1	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-9	-7	-6	-5	-7	-2	-1	0	-1	-10
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-2	-2	-1	-1	-3	-3	-1	-1	-1	-3
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-1	-3	-6	-1	-1	0	-1	-2	-1	-1	-1	-7
CRMS 0224	-2	-4	-8	-3	-2	-1	-2	-3	-2	-2	-2	-11
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	1	0	0	0	0	-1	-2	0	0

Figure WQ SAL 145 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2002 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	12	7	6	5	13	22	18	18	20	19
HWQ-08- At the Outfall	3	5	4	3	2	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	8	5	3	2	1	2	2	5	5	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	11	5	4	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	19	12	7	5	4	4	6	14	9	10	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	4	5	5	6	5	10	5	5	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	3	3	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	25	15	15	9	8	7	17	25	22	22	22	22
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	1	1	2	1
HWQ16 - Bayou Grand Liard	17	6	6	3	2	2	5	12	12	12	14	13
CRMS 3985	0	0	0	1	2	1	1	0	0	0	0	0
CRMS 0258	10	9	4	2	1	1	2	4	8	9	11	11
CRMS 0224	13	11	6	3	2	2	3	5	8	8	12	12
CRMS 0163	2	0	0	0	0	0	1	2	2	1	1	0
CRMS 0162	4	2	5	2	3	0	0	10	21	11	8	5

V3PR7_HYST - cy 3 - 2002 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	14	2	4	0	0	0	10	21	16	17	19	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	2	3	4
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	3	3	3	7	3
USGS7380251 Barataria Bay North of Grand Isle	6	1	0	0	0	0	1	11	7	8	12	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	1	0	0	0	0	1	9	4	4	7	4
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	18	5	9	1	1	2	15	24	20	22	22	19
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	0	0	2	1
HWQ16 - Bayou Grand Liard	9	3	4	1	1	0	3	10	10	11	14	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	2	6	6	9	8
CRMS 0224	1	0	0	0	0	0	0	3	6	6	10	7
CRMS 0163	2	0	0	0	0	0	1	2	1	1	1	0
CRMS 0162	5	2	6	2	3	0	0	9	20	10	8	4

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-9	-11	-7	-7	-6	-4	-3	-1	-2	-1	-1	-4
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-1	-2	-2	-3	-3	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-5	-3	-2	-1	-2	-2	-3	-2	-2	-3
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-1	-2	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-12	-11	-5	-4	-3	-3	-3	-3	-2	-2	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-13	-11	-7	-5	-4	-4	-4	-3	-2	-2	-3	-5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-9	-4	-5	-5	-6	-5	-1	-1	-1	-1	-4
USGS 07380335 - Little Lake Near Cutoff	-2	-3	-1	-3	-3	-3	-2	-1	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-6	-9	-6	-8	-7	-6	-2	0	-1	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-1	0	0	0
HWQ16 - Bayou Grand Liard	-8	-3	-2	-2	-2	-2	-3	-2	-2	-1	-1	-1
CRMS 3985	0	0	0	-1	-2	-1	-1	0	0	0	0	0
CRMS 0258	-9	-8	-4	-2	-1	-1	-2	-2	-2	-2	-2	-3
CRMS 0224	-12	-11	-6	-3	-2	-2	-3	-2	-3	-3	-2	-5
CRMS 0163	0	0	0	0	0	0	0	0	-1	0	0	0
CRMS 0162	0	0	1	0	0	0	0	-1	-1	-1	0	-1

Figure WQ SAL 146 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	12	8	6	5	7	15	20	17	19	21	17
HWQ-08- At the Outfall	3	5	4	2	2	1	2	1	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	7	5	2	1	1	2	2	4	4	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	1	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	10	5	3	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	20	11	6	4	3	3	7	12	8	10	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	10	4	4	4	5	6	9	5	5	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	3	2	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	26	14	10	8	7	11	19	23	21	24	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	2	3	1
HWQ16 - Bayou Grand Liard	18	5	3	2	1	4	7	11	11	14	16	11
CRMS 3985	0	0	1	1	1	1	1	0	0	0	0	0
CRMS 0258	10	7	3	1	1	1	2	3	7	8	12	10
CRMS 0224	13	10	5	2	2	2	3	5	8	8	13	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	5	2	1	2	1	1	0	7	19	21	11	3

V3PR7_HYST - cy 3 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	1	0	0	0	4	13	20	15	17	20	11
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	2	2	3	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	0	0	0	0	4	3	3	8	3
USGS7380251 Barataria Bay North of Grand Isle	8	0	0	0	0	0	3	10	6	8	13	5
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	0	0	0	0	1	2	9	4	4	7	3
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	22	4	1	1	1	8	18	23	20	23	23	15
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	1	3	1
HWQ16 - Bayou Grand Liard	15	3	1	1	0	2	5	10	10	12	16	9
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	6	0	0	0	0	0	0	2	5	5	11	5
CRMS 0224	5	0	0	0	0	0	0	3	5	5	11	5
CRMS 0163	2	0	0	0	0	0	0	1	0	2	1	0
CRMS 0162	5	2	2	2	1	1	0	6	17	19	11	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-6	-11	-8	-6	-5	-3	-2	0	-1	-1	-1	-7
HWQ-08- At the Outfall	-3	-5	-4	-2	-2	-1	-2	-1	-3	-2	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-7	-5	-2	-1	-1	-2	-2	-3	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-10	-5	-3	-3	-2	-3	-2	-2	-2	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-11	-11	-6	-4	-3	-3	-4	-2	-2	-2	-3	-8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7	-10	-4	-4	-4	-4	-4	0	-1	-1	-1	-5
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-2	-3	-3	-2	-2	-1	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-4	-10	-9	-7	-6	-2	-1	0	-1	-1	-1	-5
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-1	0	0
HWQ16 - Bayou Grand Liard	-4	-2	-2	-2	-1	-1	-2	-1	-1	-2	-1	-2
CRMS 3985	0	0	-1	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-5	-7	-3	-1	-1	-1	-2	-2	-2	-2	-2	-4
CRMS 0224	-8	-10	-5	-2	-2	-2	-2	-2	-2	-2	-2	-7
CRMS 0163	0	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	-1	-1	-2	0	0

Figure WQ SAL 147 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	16	14	10	10	10	18	23	20	19	19	17
HWQ-08- At the Outfall	3	6	4	4	4	3	2	1	3	3	4	4
CRMS0276 - Just east of Wilkinson Canal	5	8	6	4	4	3	2	2	5	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	12	5	5	4	4	3	6	6	6	11	8
USGS7380251 Barataria Bay North of Grand Isle	21	14	7	6	6	5	7	16	11	12	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	6	7	8	5	10	6	6	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	4	3	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	22	26	24	23	22	20
HWQ14 - Lake Washington	8	1	0	0	0	0	1	2	8	1	2	1
HWQ16 - Bayou Grand Liard	21	8	9	6	5	7	9	13	14	13	13	11
CRMS 3985	0	0	0	1	1	2	1	0	0	0	0	0
CRMS 0258	11	10	7	3	3	2	3	3	10	10	10	8
CRMS 0224	14	13	8	5	4	4	3	6	10	10	12	10
CRMS 0163	5	0	0	0	0	1	2	3	9	1	0	0
CRMS 0162	10	3	7	8	8	7	8	18	27	14	6	3

V3PR7_HYST - cy 3 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	7	9	6	3	7	18	23	18	17	18	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	0	0	0	0	0	0	0	2	3	3	4
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	9	0	0	1	0	1	1	4	4	3	7	4
USGS7380251 Barataria Bay North of Grand Isle	17	2	2	2	0	2	6	13	8	9	11	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	2	1	2	1	3	5	10	5	4	6	4
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	1	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	12	14	10	7	13	22	26	22	22	21	18
HWQ14 - Lake Washington	8	1	0	0	0	0	1	1	5	1	2	1
HWQ16 - Bayou Grand Liard	20	6	8	5	4	6	8	13	12	12	12	10
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	10	2	2	1	1	1	1	2	8	8	8	6
CRMS 0224	11	1	1	1	1	1	1	4	7	7	9	7
CRMS 0163	4	0	0	0	0	1	2	2	5	1	0	0
CRMS 0162	10	3	7	9	8	6	7	17	26	13	6	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-9	-5	-4	-7	-3	0	0	-2	-1	-2	-2
HWQ-08- At the Outfall	-3	-6	-4	-4	-4	-3	-2	-1	-3	-3	-4	-4
CRMS0276 - Just east of Wilkinson Canal	-1	-8	-6	-4	-4	-2	-2	-1	-3	-3	-3	-2
Barataria Waterway at Lafitte (USACE82875)	0	-2	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-12	-5	-4	-4	-3	-1	-3	-2	-3	-4	-4
USGS7380251 Barataria Bay North of Grand Isle	-4	-12	-6	-5	-5	-3	-1	-3	-3	-3	-3	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-10	-3	-4	-6	-5	-1	0	-1	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-1	-2	-3	-2	-1	0	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-6	-3	-3	-5	-2	0	0	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-3	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-2	-1	-1	-1	-1	0	-2	-1	-1	-1
CRMS 3985	0	0	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-1	-8	-5	-2	-2	-1	-2	-1	-2	-3	-2	-2
CRMS 0224	-3	-12	-6	-4	-4	-3	-2	-2	-3	-3	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	-4	0	0	0
CRMS 0162	0	0	0	0	0	-2	0	-1	-1	-2	0	0

Figure WQ SAL 148 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	11	9	7	7	6	10	15	13	15	20	19
HWQ-08- At the Outfall	3	5	4	3	2	2	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	7	4	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	13	10	5	4	4	3	4	4	3	4	10	9
USGS7380251 Barataria Bay North of Grand Isle	18	10	6	5	5	4	5	8	6	8	14	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	5	5	6	6	6	7	4	4	7	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	4	3	3	2	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	23	12	12	9	10	9	14	18	17	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	16	4	4	3	3	3	4	7	7	10	16	14
CRMS 3985	0	1	1	1	2	2	1	1	0	0	0	0
CRMS 0258	10	6	3	2	1	1	2	2	4	5	10	12
CRMS 0224	13	9	5	3	3	2	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	3	4	4	1	0	1	8	11	13	7

V3PR7_HYST - cy 3 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	7	1	1	0	1	0	1	7	12	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	3	4
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	2	2	7	4
USGS7380251 Barataria Bay North of Grand Isle	1	0	0	0	0	0	0	1	4	7	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	1	2	3	6	4
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	12	2	3	2	2	3	6	13	17	20	23	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	6	2	1	1	1	1	0	3	7	9	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	4	9	10
CRMS 0224	0	0	0	0	0	0	0	0	2	4	9	9
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	4	1	4	4	4	0	0	1	7	9	13	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-15	-10	-9	-7	-7	-5	-9	-7	-1	0	-1	-2
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-4	-3	-2	-1	-2	-2	-3	-1	-2	-3
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-13	-10	-5	-4	-4	-3	-4	-4	-2	-2	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-17	-10	-6	-5	-5	-4	-5	-6	-2	-1	-3	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-11	-10	-5	-5	-6	-6	-6	-6	-1	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-3	-3	-2	-3	-4	-3	-3	-2	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-11	-10	-8	-7	-7	-6	-8	-5	-1	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-10	-2	-3	-2	-2	-2	-4	-5	-1	-1	-1	-1
CRMS 3985	0	-1	-1	-1	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-9	-6	-3	-2	-1	-1	-2	-2	-2	-1	-1	-2
CRMS 0224	-13	-9	-5	-3	-3	-2	-3	-3	-2	-1	-2	-4
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	-1	-2	0	-1

Figure WQ SAL 149 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	19	12	7	5	4	9	16	14	16	21	15
HWQ-08- At the Outfall	3	7	5	4	2	1	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	9	7	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	3	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	13	6	4	3	3	3	5	4	4	11	9
USGS7380251 Barataria Bay North of Grand Isle	21	16	8	5	4	3	4	9	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	5	5	5	5	8	4	4	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	4	3	2	2	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	28	22	15	9	7	6	12	19	18	22	24	17
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	14	7	3	1	1	3	8	8	11	16	8
CRMS 3985	0	0	0	1	2	2	1	1	0	0	0	0
CRMS 0258	12	14	8	1	1	0	1	2	5	5	11	9
CRMS 0224	14	15	9	3	2	1	2	4	5	6	12	11
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	10	3	3	1	0	0	1	11	16	12	1

V3PR7_HYST - cy 3 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	18	2	0	0	0	1	13	13	16	20	3
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	4	0	0	0	0	0	0	1	2	3	0
Barataria Waterway at Lafitte (USACE82875)	1	1	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	9	8	0	0	0	0	0	1	2	2	7	0
USGS7380251 Barataria Bay North of Grand Isle	17	12	1	0	0	0	0	4	5	7	12	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	9	1	0	0	0	0	3	3	4	6	1
USGS 07380335 - Little Lake Near Cutoff	3	2	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	21	5	2	1	1	5	18	18	21	23	6
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	19	13	5	1	0	0	0	5	8	11	16	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	11	11	2	0	0	0	0	0	3	4	10	2
CRMS 0224	11	11	1	0	0	0	0	1	3	4	10	1
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	9	3	4	0	0	0	1	9	15	12	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-10	-7	-5	-4	-8	-3	-1	0	-1	-12
HWQ-08- At the Outfall	-3	-6	-5	-4	-2	-1	-2	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-1	-5	-7	-3	-2	-1	-2	-2	-3	-2	-2	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-3	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-5	-6	-4	-3	-3	-3	-4	-2	-2	-4	-9
USGS7380251 Barataria Bay North of Grand Isle	-3	-3	-7	-5	-4	-3	-4	-5	-2	-1	-3	-12
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-4	-5	-5	-5	-5	-5	-1	-1	-2	-7
USGS 07380335 - Little Lake Near Cutoff	-1	-1	-1	-3	-4	-3	-2	-2	-1	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-9	-7	-6	-5	-7	-2	-1	0	-1	-10
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-2	-2	-1	-1	-3	-3	-1	0	-1	-3
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-1	-3	-6	-1	-1	0	-1	-2	-1	-1	-2	-7
CRMS 0224	-2	-4	-8	-3	-2	-1	-2	-3	-2	-2	-2	-11
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	0	0	0	0	0	0	-2	-2	0	0

Figure WQ SAL 150 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2002 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	12	7	6	5	13	22	18	18	20	19
HWQ-08- At the Outfall	3	5	4	3	2	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	8	5	3	2	1	2	2	5	5	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	11	5	4	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	19	12	7	5	4	4	6	14	9	10	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	4	5	5	6	5	10	5	5	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	3	3	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	25	15	15	9	8	7	17	25	22	22	22	22
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	1	1	2	1
HWQ16 - Bayou Grand Liard	17	6	6	3	2	2	5	12	12	12	14	13
CRMS 3985	0	0	0	1	2	1	1	0	0	0	0	0
CRMS 0258	10	9	4	2	1	1	2	4	8	9	11	11
CRMS 0224	13	11	6	3	2	2	3	5	8	8	12	12
CRMS 0163	2	0	0	0	0	0	1	2	2	1	1	0
CRMS 0162	4	2	5	2	3	0	0	10	21	11	8	5

V3PR8_HYST - cy 3 - 2002 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	14	3	5	0	0	0	10	21	17	18	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	3	4	4
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	1	0	0	0	0	0	0	3	3	3	7	4
USGS7380251 Barataria Bay North of Grand Isle	6	1	0	0	0	0	1	12	7	8	12	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	4	1	0	0	0	0	1	8	4	4	6	4
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	18	6	9	1	1	2	15	24	21	22	22	19
HWQ14 - Lake Washington	5	2	1	0	0	0	0	2	1	1	1	2
HWQ16 - Bayou Grand Liard	10	5	5	2	1	1	3	11	13	13	16	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	2	8	8	11	9
CRMS 0224	1	0	0	0	0	0	0	3	7	7	11	8
CRMS 0163	3	0	0	0	0	0	1	2	1	1	1	1
CRMS 0162	5	2	5	3	3	0	0	10	20	10	8	4

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-9	-10	-7	-6	-6	-4	-3	0	0	0	-1	-3
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-1	-2	-2	-3	-3	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-5	-3	-2	-1	-2	-2	-3	-2	-2	-3
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-1	-2	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-12	-11	-5	-4	-3	-3	-3	-3	-2	-2	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-13	-11	-7	-5	-4	-4	-4	-2	-2	-1	-2	-5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-9	-4	-5	-5	-6	-5	-1	-1	-1	-2	-4
USGS 07380335 - Little Lake Near Cutoff	-2	-3	-1	-3	-3	-3	-2	-1	-1	-1	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-6	-9	-5	-7	-7	-6	-2	0	-1	0	-1	-2
HWQ14 - Lake Washington	1	1	0	0	0	0	0	1	0	0	-1	1
HWQ16 - Bayou Grand Liard	-7	-2	-1	-1	-1	-1	-3	-1	1	1	1	1
CRMS 3985	0	0	0	-1	-2	-1	-1	0	0	0	0	0
CRMS 0258	-10	-8	-4	-2	-1	-1	-2	-2	0	-1	0	-2
CRMS 0224	-12	-11	-6	-3	-2	-2	-3	-2	-2	-1	-1	-4
CRMS 0163	1	0	0	0	0	0	0	0	-1	0	0	0
CRMS 0162	1	0	0	1	0	0	0	-1	-2	-1	0	0

Figure WQ SAL 151 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	12	8	6	5	7	15	20	17	19	21	17
HWQ-08- At the Outfall	3	5	4	2	2	1	2	1	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	7	5	2	1	1	2	2	4	4	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	1	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	10	5	3	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	20	11	6	4	3	3	7	12	8	10	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	10	4	4	4	5	6	9	5	5	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	3	2	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	26	14	10	8	7	11	19	23	21	24	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	2	3	1
HWQ16 - Bayou Grand Liard	18	5	3	2	1	4	7	11	11	14	16	11
CRMS 3985	0	0	1	1	1	1	1	0	0	0	0	0
CRMS 0258	10	7	3	1	1	1	2	3	7	8	12	10
CRMS 0224	13	10	5	2	2	2	3	5	8	8	13	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	5	2	1	2	1	1	0	7	19	21	11	3

V3PR8_HYST - cy 3 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	2	0	0	0	4	13	20	17	18	20	12
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	2	3	4	4
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	0	0	0	0	3	3	3	8	3
USGS7380251 Barataria Bay North of Grand Isle	8	0	0	0	0	0	3	11	7	9	13	5
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	0	0	0	0	1	2	9	4	4	6	3
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	22	4	1	1	1	8	18	23	21	23	23	15
HWQ14 - Lake Washington	7	2	0	0	0	0	1	2	1	1	2	1
HWQ16 - Bayou Grand Liard	15	4	1	1	1	3	6	11	12	14	18	11
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	6	0	0	0	0	0	0	2	8	7	12	6
CRMS 0224	6	0	0	0	0	0	0	3	6	6	11	6
CRMS 0163	3	0	0	0	0	0	1	2	1	2	1	0
CRMS 0162	5	2	2	3	1	2	0	6	17	19	11	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-6	-11	-8	-6	-5	-3	-2	0	0	0	-1	-6
HWQ-08- At the Outfall	-3	-5	-4	-2	-2	-1	-2	-1	-3	-2	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-7	-5	-2	-1	-1	-2	-2	-2	-1	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-1	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-10	-5	-3	-3	-2	-3	-2	-1	-2	-3	-7
USGS7380251 Barataria Bay North of Grand Isle	-11	-11	-6	-4	-3	-3	-3	-1	-1	-2	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7	-10	-4	-4	-4	-5	-3	0	-1	-1	-2	-5
USGS 07380335 - Little Lake Near Cutoff	-2	-3	-2	-3	-3	-2	-2	-1	-1	-1	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-4	-9	-8	-7	-6	-2	-1	0	0	-1	-1	-4
HWQ14 - Lake Washington	1	2	0	0	0	0	1	1	1	-1	-1	1
HWQ16 - Bayou Grand Liard	-3	-1	-2	-1	-1	-1	-2	0	1	1	1	0
CRMS 3985	0	0	-1	-1	-1	-1	-1	0	0	0	0	0
CRMS 0258	-5	-7	-3	-1	-1	-1	-2	-1	1	0	-1	-4
CRMS 0224	-8	-10	-5	-2	-2	-2	-2	-2	-1	-1	-1	-6
CRMS 0163	1	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	1	0	1	1	0	0	0	-1	-1	-3	0	0

Figure WQ SAL 152 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	16	14	10	10	10	18	23	20	19	19	17
HWQ-08- At the Outfall	3	6	4	4	4	3	2	1	3	3	4	4
CRMS0276 - Just east of Wilkinson Canal	5	8	6	4	4	3	2	2	5	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	12	5	5	4	4	3	6	6	6	11	8
USGS7380251 Barataria Bay North of Grand Isle	21	14	7	6	6	5	7	16	11	12	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	6	7	8	5	10	6	6	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	4	3	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	22	26	24	23	22	20
HWQ14 - Lake Washington	8	1	0	0	0	0	1	2	8	1	2	1
HWQ16 - Bayou Grand Liard	21	8	9	6	5	7	9	13	14	13	13	11
CRMS 3985	0	0	0	1	1	2	1	0	0	0	0	0
CRMS 0258	11	10	7	3	3	2	3	3	10	10	10	8
CRMS 0224	14	13	8	5	4	4	3	6	10	10	12	10
CRMS 0163	5	0	0	0	0	1	2	3	9	1	0	0
CRMS 0162	10	3	7	8	8	7	8	18	27	14	6	3

V3PR8_HYST - cy 3 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	7	10	7	3	8	18	23	19	19	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	0	0	0	0	0	0	0	2	4	4	4
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	8	0	1	1	0	1	1	3	4	4	8	4
USGS7380251 Barataria Bay North of Grand Isle	17	2	2	2	0	2	6	13	8	9	13	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	2	1	2	1	4	5	10	5	4	6	4
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	1	1	1	1	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	13	14	10	8	14	22	26	23	23	21	19
HWQ14 - Lake Washington	9	3	1	0	0	0	2	4	4	1	1	1
HWQ16 - Bayou Grand Liard	20	8	10	7	5	7	8	14	14	14	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	10	2	2	2	1	2	1	3	10	9	10	7
CRMS 0224	11	1	1	1	1	2	1	4	7	8	11	8
CRMS 0163	5	1	0	0	0	1	2	3	4	1	1	1
CRMS 0162	10	3	8	8	7	5	7	17	26	12	6	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-8	-4	-3	-6	-2	0	0	-1	0	-1	-1
HWQ-08- At the Outfall	-3	-6	-4	-4	-4	-3	-2	-1	-3	-3	-4	-4
CRMS0276 - Just east of Wilkinson Canal	-1	-8	-5	-4	-3	-2	-2	-1	-3	-2	-2	-2
Barataria Waterway at Lafitte (USACE82875)	0	-2	-1	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-12	-5	-4	-4	-3	-1	-3	-2	-3	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-4	-12	-5	-4	-5	-3	-1	-3	-2	-2	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-10	-3	-4	-6	-4	-1	-1	-1	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-3	-1	-2	-3	-2	-1	0	0	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-1	-5	-3	-3	-5	-1	0	0	-1	0	0	-1
HWQ14 - Lake Washington	1	3	1	0	0	0	1	2	-4	0	0	0
HWQ16 - Bayou Grand Liard	0	0	0	0	0	0	0	1	0	1	2	1
CRMS 3985	0	0	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-1	-8	-5	-1	-2	-1	-2	-1	0	-1	0	-1
CRMS 0224	-2	-12	-6	-3	-4	-2	-2	-2	-2	-2	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	-5	0	0	0
CRMS 0162	0	0	1	0	0	-3	-1	-1	-1	-2	0	0

Figure WQ SAL 153 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	11	9	7	7	6	10	15	13	15	20	19
HWQ-08- At the Outfall	3	5	4	3	2	2	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	7	4	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	13	10	5	4	4	3	4	4	3	4	10	9
USGS7380251 Barataria Bay North of Grand Isle	18	10	6	5	5	4	5	8	6	8	14	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	5	5	6	6	6	7	4	4	7	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	4	3	3	2	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	23	12	12	9	10	9	14	18	17	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	16	4	4	3	3	3	4	7	7	10	16	14
CRMS 3985	0	1	1	1	2	2	1	1	0	0	0	0
CRMS 0258	10	6	3	2	1	1	2	2	4	5	10	12
CRMS 0224	13	9	5	3	3	2	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	3	4	4	1	0	1	8	11	13	7

V3PR8_HYST - cy 3 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	7	1	1	0	1	0	1	8	13	16	20	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	2	3	5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	2	3	7	4
USGS7380251 Barataria Bay North of Grand Isle	1	0	0	0	0	0	0	1	5	7	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	1	3	4	6	4
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	12	2	3	2	2	3	6	13	18	21	23	21
HWQ14 - Lake Washington	5	1	0	0	0	0	0	0	0	1	2	2
HWQ16 - Bayou Grand Liard	6	3	2	2	2	1	0	3	9	12	17	16
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	0	0	0	0	0	0	0	4	5	10	11
CRMS 0224	0	0	0	0	0	0	0	0	3	5	10	9
CRMS 0163	2	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	4	1	4	4	5	0	0	1	7	9	13	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-15	-10	-9	-7	-7	-5	-9	-7	0	1	0	-1
HWQ-08- At the Outfall	-3	-5	-4	-3	-2	-2	-2	-1	-2	-2	-3	-4
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-4	-3	-2	-1	-2	-2	-2	-1	-1	-2
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-2	-2	-1	-1	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-13	-10	-5	-4	-4	-3	-4	-4	-1	-1	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-17	-10	-6	-5	-5	-4	-5	-6	-1	-1	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-11	-10	-5	-5	-6	-6	-6	-6	-1	0	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-3	-3	-2	-3	-4	-3	-3	-2	-1	0	-1	-1
USGS073802516 Barataria Pass at Grand Isle	-11	-9	-8	-7	-7	-6	-8	-5	0	0	0	-1
HWQ14 - Lake Washington	1	1	0	0	0	0	0	0	0	0	-1	1
HWQ16 - Bayou Grand Liard	-9	-1	-3	-1	-1	-2	-4	-4	1	1	1	2
CRMS 3985	0	-1	-1	-1	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-9	-6	-3	-1	-1	-1	-2	-2	0	0	0	-1
CRMS 0224	-13	-9	-5	-3	-3	-2	-3	-3	-1	0	0	-3
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	-1	-2	0	-1

Figure WQ SAL 154 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	19	12	7	5	4	9	16	14	16	21	15
HWQ-08- At the Outfall	3	7	5	4	2	1	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	9	7	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	3	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	13	6	4	3	3	3	5	4	4	11	9
USGS7380251 Barataria Bay North of Grand Isle	21	16	8	5	4	3	4	9	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	5	5	5	5	8	4	4	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	4	3	2	2	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	28	22	15	9	7	6	12	19	18	22	24	17
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	14	7	3	1	1	3	8	8	11	16	8
CRMS 3985	0	0	0	1	2	2	1	1	0	0	0	0
CRMS 0258	12	14	8	1	1	0	1	2	5	5	11	9
CRMS 0224	14	15	9	3	2	1	2	4	5	6	12	11
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	10	3	3	1	0	0	1	11	16	12	1

V3PR8_HYST - cy 3 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	19	3	0	0	0	1	14	14	17	20	3
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	4	1	0	0	0	0	0	1	2	3	0
Barataria Waterway at Lafitte (USACE82875)	1	1	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	9	8	0	0	0	0	0	1	2	3	7	0
USGS7380251 Barataria Bay North of Grand Isle	18	13	1	0	0	0	0	4	6	8	13	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	9	1	0	0	0	0	3	3	4	6	1
USGS 07380335 - Little Lake Near Cutoff	2	1	0	0	0	0	0	0	0	0	1	0
USGS073802516 Barataria Pass at Grand Isle	28	21	6	2	1	1	5	18	18	21	23	7
HWQ14 - Lake Washington	8	4	1	0	0	0	0	0	0	1	2	1
HWQ16 - Bayou Grand Liard	20	15	6	2	1	0	0	5	9	12	18	6
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	11	12	2	0	0	0	0	0	5	5	11	1
CRMS 0224	12	12	1	0	0	0	0	1	4	5	11	1
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	9	3	4	1	0	0	1	10	15	12	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-1	-10	-7	-5	-4	-8	-2	1	1	-1	-12
HWQ-08- At the Outfall	-3	-6	-5	-4	-2	-1	-2	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-1	-5	-7	-3	-2	-1	-2	-2	-3	-1	-2	-6
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-3	-2	-2	-1	-1	-1	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-5	-5	-6	-4	-3	-3	-3	-4	-1	-2	-4	-9
USGS7380251 Barataria Bay North of Grand Isle	-3	-3	-7	-5	-4	-3	-4	-4	-1	-1	-2	-12
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-4	-5	-5	-5	-5	-5	-1	0	-2	-7
USGS 07380335 - Little Lake Near Cutoff	-1	-2	-1	-3	-4	-3	-2	-2	-1	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-1	-9	-7	-6	-5	-7	-2	0	0	0	-10
HWQ14 - Lake Washington	1	3	1	0	0	0	0	0	0	0	-1	1
HWQ16 - Bayou Grand Liard	0	2	-1	-1	-1	-1	-3	-2	1	1	2	-2
CRMS 3985	0	0	0	-1	-2	-1	-1	-1	0	0	0	0
CRMS 0258	-1	-2	-6	-1	-1	0	-1	-2	0	0	0	-8
CRMS 0224	-2	-4	-8	-3	-2	-1	-2	-3	-1	0	-1	-11
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	1	1	0	0	0	0	-1	-1	0	0

Figure WQ SAL 155 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 3 - 2002 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	13	12	7	6	5	13	22	18	18	20	19
HWQ-08- At the Outfall	3	5	4	3	2	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	8	5	3	2	1	2	2	5	5	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	11	5	4	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	19	12	7	5	4	4	6	14	9	10	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	4	5	5	6	5	10	5	5	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	3	3	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	25	15	15	9	8	7	17	25	22	22	22	22
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	1	1	2	1
HWQ16 - Bayou Grand Liard	17	6	6	3	2	2	5	12	12	12	14	13
CRMS 3985	0	0	0	1	2	1	1	0	0	0	0	0
CRMS 0258	10	9	4	2	1	1	2	4	8	9	11	11
CRMS 0224	13	11	6	3	2	2	3	5	8	8	12	12
CRMS 0163	2	0	0	0	0	0	1	2	2	1	1	0
CRMS 0162	4	2	5	2	3	0	0	10	21	11	8	5

V3PR9_HYST - cy 3 - 2002 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	14	12	7	7	5	14	22	19	19	21	20
HWQ-08- At the Outfall	3	6	4	4	3	2	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	8	5	4	2	2	2	2	5	5	6	8
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	11	5	4	4	3	4	6	5	6	12	10
USGS7380251 Barataria Bay North of Grand Isle	19	13	7	5	4	4	6	14	10	11	16	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	11	4	5	5	6	5	9	6	5	9	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	3	3	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	25	16	15	9	9	8	18	25	22	23	23	22
HWQ14 - Lake Washington	5	2	1	0	0	0	1	3	2	1	2	2
HWQ16 - Bayou Grand Liard	18	8	9	4	4	3	6	13	14	15	17	16
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	10	10	5	3	2	1	2	4	11	11	13	13
CRMS 0224	13	13	7	4	3	2	3	6	10	10	14	13
CRMS 0163	3	0	0	0	0	0	1	2	2	1	1	1
CRMS 0162	5	2	5	3	4	0	0	11	21	11	8	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	0	1	2	1	1
HWQ-08- At the Outfall	0	0	0	0	1	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	1	0	0	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	-1	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	1	0	0	0	0	0	0	0	1	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	0	0	0	0	0	0	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	-1	0	0	0	0	0	0	0	1	1
USGS 07380335 - Little Lake Near Cutoff	0	0	-1	-1	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	1	0	1	1	1	1
HWQ14 - Lake Washington	1	2	0	0	0	0	0	2	1	1	0	1
HWQ16 - Bayou Grand Liard	1	2	2	1	1	1	1	1	3	3	2	3
CRMS 3985	0	0	0	-1	0	0	0	0	0	0	0	0
CRMS 0258	0	2	1	1	1	1	0	0	3	3	2	2
CRMS 0224	0	2	1	1	1	1	0	0	1	2	2	1
CRMS 0163	1	0	0	0	0	0	0	1	0	0	0	0
CRMS 0162	0	0	1	1	1	0	0	0	0	0	1	0

Figure WQ SAL 156 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve

V3PR1_HYST - cy 3 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	12	8	6	5	7	15	20	17	19	21	17
HWQ-08- At the Outfall	3	5	4	2	2	1	2	1	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	7	5	2	1	1	2	2	4	4	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	1	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	10	5	3	3	3	3	6	5	5	11	9
USGS7380251 Barataria Bay North of Grand Isle	20	11	6	4	3	3	7	12	8	10	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	10	4	4	4	5	6	9	5	5	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	3	2	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	26	14	10	8	7	11	19	23	21	24	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	0	2	3	1
HWQ16 - Bayou Grand Liard	18	5	3	2	1	4	7	11	11	14	16	11
CRMS 3985	0	0	1	1	1	1	1	0	0	0	0	0
CRMS 0258	10	7	3	1	1	1	2	3	7	8	12	10
CRMS 0224	13	10	5	2	2	2	3	5	8	8	13	12
CRMS 0163	2	0	0	0	0	0	1	1	1	3	1	0
CRMS 0162	5	2	1	2	1	1	0	7	19	21	11	3

V3PR9_HYST - cy 3 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	14	9	7	6	7	16	21	18	20	22	19
HWQ-08- At the Outfall	3	5	4	3	2	2	2	1	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	7	5	3	2	1	2	2	5	5	6	8
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	11	5	4	3	3	3	5	5	6	13	10
USGS7380251 Barataria Bay North of Grand Isle	20	13	6	5	4	4	7	13	9	11	17	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	10	4	5	5	6	6	9	5	5	9	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	3	3	2	1	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	26	15	11	9	7	11	19	24	22	24	25	21
HWQ14 - Lake Washington	7	2	0	0	0	0	1	3	2	2	3	1
HWQ16 - Bayou Grand Liard	19	8	5	4	3	5	8	12	13	16	19	14
CRMS 3985	0	0	0	1	1	1	1	0	0	0	0	0
CRMS 0258	10	9	4	2	1	1	2	3	10	10	15	11
CRMS 0224	13	12	6	3	2	2	3	5	9	9	14	14
CRMS 0163	3	0	0	0	0	0	1	2	1	3	1	0
CRMS 0162	5	2	1	3	1	2	0	7	19	20	11	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	1	1	1	1	2
HWQ-08- At the Outfall	0	0	0	1	1	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	0	0	0	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	1	0	1	1	0	0	0	0	1	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	1	0	1	1	1	2	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	1	1	0	0	0	0	1	1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	0	1	1	0	1	1
HWQ14 - Lake Washington	1	2	0	0	0	0	1	2	1	0	0	1
HWQ16 - Bayou Grand Liard	1	2	2	1	1	1	1	1	2	2	3	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	2	1	1	1	0	0	0	3	2	2	2
CRMS 0224	0	2	1	1	1	1	0	0	1	2	2	2
CRMS 0163	1	0	0	0	0	0	0	1	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-1	1	0

Figure WQ SAL 157 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve

V3PR1_HYST - cy 3 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	16	14	10	10	10	18	23	20	19	19	17
HWQ-08- At the Outfall	3	6	4	4	4	3	2	1	3	3	4	4
CRMS0276 - Just east of Wilkinson Canal	5	8	6	4	4	3	2	2	5	5	6	6
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	12	5	5	4	4	3	6	6	6	11	8
USGS7380251 Barataria Bay North of Grand Isle	21	14	7	6	6	5	7	16	11	12	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	6	7	8	5	10	6	6	8	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	4	3	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	22	26	24	23	22	20
HWQ14 - Lake Washington	8	1	0	0	0	0	1	2	8	1	2	1
HWQ16 - Bayou Grand Liard	21	8	9	6	5	7	9	13	14	13	13	11
CRMS 3985	0	0	0	1	1	2	1	0	0	0	0	0
CRMS 0258	11	10	7	3	3	2	3	3	10	10	10	8
CRMS 0224	14	13	8	5	4	4	3	6	10	10	12	10
CRMS 0163	5	0	0	0	0	1	2	3	9	1	0	0
CRMS 0162	10	3	7	8	8	7	8	18	27	14	6	3

V3PR9_HYST - cy 3 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	17	15	11	11	11	19	24	21	21	21	18
HWQ-08- At the Outfall	3	6	4	5	5	3	2	1	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	5	9	6	6	5	4	2	2	5	6	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	13	6	5	5	5	3	7	6	7	12	9
USGS7380251 Barataria Bay North of Grand Isle	21	15	8	7	6	6	8	16	12	13	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	6	7	8	5	10	6	6	9	7
USGS 07380335 - Little Lake Near Cutoff	3	3	1	2	3	3	1	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	19	18	14	14	15	23	27	25	25	23	21
HWQ14 - Lake Washington	9	3	1	0	0	1	2	5	6	3	2	1
HWQ16 - Bayou Grand Liard	21	11	12	8	8	9	10	15	17	17	16	14
CRMS 3985	0	0	0	1	1	2	1	0	0	0	0	0
CRMS 0258	11	12	9	5	4	4	4	4	13	13	12	10
CRMS 0224	14	14	9	6	6	5	4	6	11	12	14	12
CRMS 0163	5	1	0	0	0	1	2	4	9	1	1	1
CRMS 0162	10	3	8	9	8	6	8	18	27	14	7	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	1	2	2	1	1
HWQ-08- At the Outfall	0	0	0	1	1	1	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	2	1	1	0	0	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	1	1	0	0	0	0	1	1	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	0	1	1	1	1	1	2	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	0	0	0	0	1	1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	0	1	1	1	1	1
HWQ14 - Lake Washington	1	3	1	0	0	0	2	3	-2	1	0	1
HWQ16 - Bayou Grand Liard	1	3	2	2	2	2	1	1	3	3	3	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	2	2	2	2	2	1	0	3	3	2	2
CRMS 0224	0	2	1	2	2	1	0	0	1	2	2	2
CRMS 0163	1	0	0	0	0	0	1	1	0	0	0	0
CRMS 0162	1	0	1	1	1	-1	0	0	0	0	1	0

Figure WQ SAL 158 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve

V3PR1_HYST - cy 3 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	11	9	7	7	6	10	15	13	15	20	19
HWQ-08- At the Outfall	3	5	4	3	2	2	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	7	4	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	2	1	1	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	13	10	5	4	4	3	4	4	3	4	10	9
USGS7380251 Barataria Bay North of Grand Isle	18	10	6	5	5	4	5	8	6	8	14	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	5	5	6	6	6	7	4	4	7	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	4	3	3	2	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	23	12	12	9	10	9	14	18	17	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	0	3	1
HWQ16 - Bayou Grand Liard	16	4	4	3	3	3	4	7	7	10	16	14
CRMS 3985	0	1	1	1	2	2	1	1	0	0	0	0
CRMS 0258	10	6	3	2	1	1	2	2	4	5	10	12
CRMS 0224	13	9	5	3	3	2	3	4	5	5	11	12
CRMS 0163	1	0	0	0	0	0	0	0	0	1	1	1
CRMS 0162	3	1	3	4	4	1	0	1	8	11	13	7

V3PR9_HYST - cy 3 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	12	10	8	8	7	10	15	14	17	21	20
HWQ-08- At the Outfall	3	5	4	4	3	2	1	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	7	5	4	3	2	2	1	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	2	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	13	10	6	5	4	4	2	3	3	4	11	10
USGS7380251 Barataria Bay North of Grand Isle	18	11	7	6	5	5	4	8	6	9	15	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	10	5	6	6	7	4	6	3	4	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	2	3	4	3	1	1	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	23	13	13	10	11	10	14	19	18	22	24	23
HWQ14 - Lake Washington	5	1	0	0	0	0	0	1	0	1	2	2
HWQ16 - Bayou Grand Liard	17	6	6	5	5	4	5	8	9	13	18	17
CRMS 3985	0	0	1	1	2	2	1	0	0	0	0	0
CRMS 0258	10	8	4	3	2	1	2	2	6	7	12	14
CRMS 0224	13	10	6	4	4	3	2	3	6	7	12	14
CRMS 0163	1	0	0	0	0	0	0	1	0	1	2	1
CRMS 0162	3	1	4	4	5	1	0	1	7	10	13	7

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	1	1	1	1	1	1	0	1	1	2	1	1
HWQ-08- At the Outfall	0	0	0	1	1	1	0	-1	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	1	1	1	1	0	-1	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	-1	-1	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	1	1	0	-1	-1	0	0	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	1	-1	0	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	1	1	-1	-1	0	0	0	0
USGS 07380335 - Little Lake Near Cutoff	0	-1	0	0	0	0	-1	-1	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	1	1	1	1	1	1	0	1	1	1	1	1
HWQ14 - Lake Washington	1	1	0	0	0	0	0	1	0	0	-1	1
HWQ16 - Bayou Grand Liard	1	2	2	1	2	1	1	1	2	3	3	3
CRMS 3985	0	0	0	0	0	0	-1	0	0	0	0	0
CRMS 0258	0	2	1	1	1	1	0	0	2	2	2	2
CRMS 0224	0	2	1	1	1	1	0	-1	1	1	1	1
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	1	0	0	0	-1	-1	0	0

Figure WQ SAL 159 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve

V3PR1_HYST - cy 3 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	19	12	7	5	4	9	16	14	16	21	15
HWQ-08- At the Outfall	3	7	5	4	2	1	2	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	5	9	7	3	2	1	2	2	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	3	2	2	1	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	13	6	4	3	3	3	5	4	4	11	9
USGS7380251 Barataria Bay North of Grand Isle	21	16	8	5	4	3	4	9	6	9	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	5	5	5	5	8	4	4	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	4	3	2	2	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	28	22	15	9	7	6	12	19	18	22	24	17
HWQ14 - Lake Washington	7	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	14	7	3	1	1	3	8	8	11	16	8
CRMS 3985	0	0	0	1	2	2	1	1	0	0	0	0
CRMS 0258	12	14	8	1	1	0	1	2	5	5	11	9
CRMS 0224	14	15	9	3	2	1	2	4	5	6	12	11
CRMS 0163	4	1	0	0	0	0	0	0	0	1	1	0
CRMS 0162	9	10	3	3	1	0	0	1	11	16	12	1

V3PR9_HYST - cy 3 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	21	14	8	6	5	10	17	16	18	22	16
HWQ-08- At the Outfall	3	6	5	5	3	2	2	2	3	2	4	5
CRMS0276 - Just east of Wilkinson Canal	5	9	8	4	3	1	2	2	4	4	6	7
Barataria Waterway at Lafitte (USACE82875)	1	2	1	3	2	2	2	1	1	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	13	7	5	4	3	3	5	4	5	12	10
USGS7380251 Barataria Bay North of Grand Isle	21	17	9	6	5	4	5	10	8	10	16	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	13	12	4	6	6	6	5	8	5	5	8	8
USGS 07380335 - Little Lake Near Cutoff	3	3	1	3	4	3	2	2	1	1	2	2
USGS073802516 Barataria Pass at Grand Isle	28	23	16	10	8	7	13	20	20	22	24	18
HWQ14 - Lake Washington	8	4	1	0	0	0	0	1	1	1	3	1
HWQ16 - Bayou Grand Liard	21	16	10	4	2	2	5	9	11	13	19	11
CRMS 3985	0	0	0	1	2	2	1	1	0	0	0	0
CRMS 0258	12	16	10	2	2	1	2	3	7	7	13	11
CRMS 0224	14	16	11	4	3	2	3	5	7	7	13	13
CRMS 0163	5	1	0	0	0	0	0	1	0	1	2	0
CRMS 0162	9	11	3	4	1	0	0	1	11	16	12	1

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	2	1	1	1	1	1	2	1	1	2
HWQ-08- At the Outfall	0	0	0	1	1	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	1	1	1	1	0	0	1	1	0	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	1	1	1	1	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	1	1	1	0	1	1	0	0	1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	1	1	1	1	1	1
HWQ14 - Lake Washington	1	3	1	0	0	0	0	1	1	0	-1	1
HWQ16 - Bayou Grand Liard	1	3	3	1	1	1	1	2	2	2	3	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	2	2	1	1	0	0	0	3	2	2	2
CRMS 0224	0	1	1	1	1	1	0	1	2	2	1	2
CRMS 0163	1	0	0	0	0	0	0	0	0	0	1	0
CRMS 0162	0	0	0	1	0	0	0	0	0	-1	0	0

Figure WQ SAL 160 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve

V3PR1_HYST - cy 4 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	15	9	5	4	4	8	16	13	13	20	20
HWQ-08- At the Outfall	4	6	4	2	1	1	1	2	3	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	8	5	1	1	1	2	2	3	2	4	7
Barataria Waterway at Lafitte (USACE82875)	2	2	2	2	1	1	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	12	6	3	2	2	3	6	4	4	11	11
USGS7380251 Barataria Bay North of Grand Isle	22	13	6	3	2	2	4	9	6	7	14	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	5	4	3	4	5	9	5	4	8	10
USGS 07380335 - Little Lake Near Cutoff	6	5	2	3	3	2	2	2	1	1	2	3
USGS073802516 Barataria Pass at Grand Isle	27	17	11	6	5	7	12	20	17	18	23	23
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	4	2
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	7	7	8	15	15
CRMS 3985	1	1	1	1	1	1	1	1	0	0	0	0
CRMS 0258	12	7	3	0	0	0	1	2	2	3	10	11
CRMS 0224	15	10	5	1	1	1	2	4	4	3	10	12
CRMS 0163	2	0	0	0	0	0	0	1	0	1	2	1
CRMS 0162	6	5	4	3	3	1	0	3	9	9	17	13

V3PR2_HYST - cy 4 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	3	1	1	1	4	14	12	12	19	19
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	0	2	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	10	5	0	0	0	0	0	1	2	2	9	7
USGS7380251 Barataria Bay North of Grand Isle	18	7	0	0	0	0	0	5	5	6	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	6	0	0	0	1	0	4	3	3	7	7
USGS 07380335 - Little Lake Near Cutoff	3	1	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	26	14	7	4	3	4	8	18	16	18	22	22
HWQ14 - Lake Washington	6	0	0	0	0	0	0	0	0	0	4	2
HWQ16 - Bayou Grand Liard	16	7	3	1	1	1	1	5	6	7	15	15
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	4	1	0	0	0	0	0	2	2	9	10
CRMS 0224	8	4	0	0	0	0	0	1	3	2	9	10
CRMS 0163	2	0	0	0	0	0	0	1	0	1	2	1
CRMS 0162	7	5	4	3	3	2	0	3	10	9	17	14

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-2	-4	-5	-3	-3	-3	-5	-2	-1	-1	-1	-1
HWQ-08- At the Outfall	-4	-6	-4	-2	-1	-1	-1	-2	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-5	-1	-1	-1	-2	-2	-3	-2	-2	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-7	-6	-3	-2	-2	-3	-5	-2	-2	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-4	-6	-6	-3	-2	-2	-4	-5	-1	-1	-1	-2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-7	-5	-4	-3	-3	-4	-5	-2	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-3	-4	-2	-3	-2	-2	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-3	-4	-3	-2	-3	-3	-1	-1	-1	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-2	0	0	0	0	0	-2	-2	0	0	0	0
CRMS 3985	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-5	-2	-2	0	0	0	-1	-2	0	-1	0	-1
CRMS 0224	-7	-5	-4	-1	-1	-1	-2	-3	-1	-1	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	1	1	0	1

Figure WQ SAL 161 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	12	8	5	4	6	16	21	17	19	21	17
HWQ-08- At the Outfall	4	7	4	2	1	1	2	2	4	3	5	6
CRMS0276 - Just east of Wilkinson Canal	6	8	4	1	1	1	2	2	6	5	7	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	1	2	1	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	18	11	5	3	2	3	4	9	6	7	13	11
USGS7380251 Barataria Bay North of Grand Isle	22	11	6	3	3	3	8	15	10	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	6	4	4	5	7	12	7	7	11	10
USGS 07380335 - Little Lake Near Cutoff	6	6	3	3	3	3	2	2	2	1	4	4
USGS073802516 Barataria Pass at Grand Isle	27	14	10	7	6	11	20	24	21	24	23	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	4	3	1
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	7	11	11	14	15	10
CRMS 3985	1	1	1	2	1	2	1	0	0	0	0	0
CRMS 0258	12	5	2	1	0	1	2	4	5	7	12	8
CRMS 0224	15	8	4	1	1	1	3	6	7	8	13	11
CRMS 0163	2	0	0	0	0	1	1	2	2	5	1	0
CRMS 0162	7	3	3	4	3	3	0	10	21	23	14	5

V3PR2_HYST - cy 4 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	7	2	2	1	5	15	20	16	18	20	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	1	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	3	2	3	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	11	2	0	0	0	1	2	6	4	5	10	5
USGS7380251 Barataria Bay North of Grand Isle	18	4	0	0	0	1	6	13	8	11	15	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	3	0	0	0	2	4	9	5	5	8	6
USGS 07380335 - Little Lake Near Cutoff	4	0	0	0	0	0	0	1	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	26	10	5	4	3	9	19	23	20	23	22	18
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	4	4	1
HWQ16 - Bayou Grand Liard	17	4	2	1	1	3	6	10	11	14	15	10
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	3	0	0	0	0	1	2	5	7	12	6
CRMS 0224	9	2	0	0	0	0	1	4	6	7	11	6
CRMS 0163	2	0	0	0	0	1	1	2	2	6	1	0
CRMS 0162	7	3	3	4	3	3	0	10	21	23	14	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-5	-5	-4	-3	-2	-1	-1	-1	-1	-1	-3
HWQ-08- At the Outfall	-4	-7	-4	-2	-1	-1	-2	-2	-4	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-4	-1	-1	-1	-2	-2	-3	-3	-3	-6
Barataria Waterway at Lafitte (USACE82875)	-1	-3	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-10	-5	-3	-2	-2	-2	-3	-2	-2	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-4	-7	-6	-3	-3	-2	-2	-2	-2	-2	-2	-5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-10	-6	-4	-3	-3	-3	-3	-2	-2	-3	-5
USGS 07380335 - Little Lake Near Cutoff	-3	-5	-3	-3	-3	-2	-2	-2	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-4	-4	-3	-3	-1	-1	-1	-1	-1	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	0	0	0	0	-1	-1	-1	0	0	0	0
CRMS 3985	0	-1	-1	-2	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-2	-1	0	0	0	-2	-2	0	-1	-1	-2
CRMS 0224	-6	-6	-4	-1	-1	-1	-2	-2	-1	-1	-2	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	1	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	1	0	0

Figure WQ SAL 162 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	15	14	10	10	10	19	25	21	21	19	17
HWQ-08- At the Outfall	4	7	4	3	3	2	2	2	5	5	5	5
CRMS0276 - Just east of Wilkinson Canal	6	9	6	3	3	2	2	3	8	7	6	6
Barataria Waterway at Lafitte (USACE82875)	2	3	1	2	2	2	1	1	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	13	6	4	4	5	5	11	9	9	13	9
USGS7380251 Barataria Bay North of Grand Isle	24	14	8	6	5	6	10	19	14	15	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	14	5	6	7	9	8	14	9	8	11	9
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	4	4	2	2	2	2	4	3
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	23	27	25	24	22	20
HWQ14 - Lake Washington	9	0	0	0	1	0	1	4	10	1	2	1
HWQ16 - Bayou Grand Liard	21	7	8	6	5	7	10	15	15	14	12	10
CRMS 3985	1	1	0	1	2	2	1	0	0	0	0	0
CRMS 0258	13	8	6	2	2	2	3	5	9	10	10	7
CRMS 0224	16	11	7	3	3	3	4	8	11	11	12	9
CRMS 0163	5	1	0	1	0	1	2	5	14	2	1	1
CRMS 0162	13	6	11	11	9	9	10	19	27	18	10	5

V3PR2_HYST - cy 4 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	13	12	7	6	8	19	24	20	19	18	16
HWQ-08- At the Outfall	1	0	0	0	0	0	0	0	0	0	1	0
CRMS0276 - Just east of Wilkinson Canal	3	0	0	0	0	0	0	0	4	3	3	2
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	1	1	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	15	4	2	1	1	3	4	7	6	6	10	6
USGS7380251 Barataria Bay North of Grand Isle	23	8	5	3	2	3	9	17	11	12	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	7	2	3	3	6	7	11	6	6	8	6
USGS 07380335 - Little Lake Near Cutoff	5	2	0	1	1	2	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	16	16	11	10	14	23	26	23	23	21	19
HWQ14 - Lake Washington	9	0	0	0	1	0	1	3	10	1	2	1
HWQ16 - Bayou Grand Liard	20	8	8	5	4	7	9	14	14	13	12	10
CRMS 3985	1	0	0	0	0	1	1	0	0	0	0	0
CRMS 0258	11	5	4	1	1	1	2	3	8	8	9	6
CRMS 0224	14	5	3	2	1	2	2	5	9	9	10	7
CRMS 0163	5	1	0	1	0	2	2	5	14	2	1	1
CRMS 0162	14	6	11	10	9	9	10	18	28	18	10	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-3	-2	-2	-3	-1	0	-1	-2	-2	-1	-1
HWQ-08- At the Outfall	-4	-7	-4	-3	-3	-2	-2	-2	-5	-5	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-9	-5	-3	-3	-2	-2	-2	-4	-4	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-2	-1	-2	-2	-2	-1	0	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-9	-4	-3	-3	-2	-1	-4	-3	-3	-3	-3
USGS7380251 Barataria Bay North of Grand Isle	-1	-5	-4	-3	-4	-2	-1	-3	-3	-3	-2	-2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-8	-3	-3	-4	-3	-1	-3	-3	-3	-3	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-4	-1	-2	-3	-2	-1	-1	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	0	-2	-1	-2	-2	-1	0	-1	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	0	0	0	0	0	-1	-1	-1	-1	-1	0	0
CRMS 3985	0	-1	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-2	-2	0	-1	-1	-2	-2	-1	-1	-1	-1
CRMS 0224	-2	-6	-4	-2	-2	-1	-1	-3	-2	-2	-2	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	-1	0	0	0	0	0	1	0	0

Figure WQ SAL 163 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	9	6	6	5	10	16	13	16	20	19
HWQ-08- At the Outfall	4	6	4	2	2	1	1	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	7	4	2	1	1	2	1	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	10	5	3	3	3	3	5	4	5	11	11
USGS7380251 Barataria Bay North of Grand Isle	20	10	6	4	4	4	5	9	7	9	15	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	11	6	5	5	6	5	8	4	5	9	10
USGS 07380335 - Little Lake Near Cutoff	6	5	3	3	3	3	2	1	1	1	3	3
USGS073802516 Barataria Pass at Grand Isle	24	12	11	9	9	8	14	19	18	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	7	7	10	15	13
CRMS 3985	1	1	1	2	2	2	1	0	0	0	0	0
CRMS 0258	12	4	2	1	1	1	2	2	2	4	10	10
CRMS 0224	15	7	4	2	2	2	2	3	4	5	11	12
CRMS 0163	0	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	4	2	5	5	7	2	0	2	12	13	16	11

V3PR2_HYST - cy 4 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	5	4	2	3	2	6	13	13	16	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	2	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	1	0	0	0	0	0	1	3	4	9	7
USGS7380251 Barataria Bay North of Grand Isle	11	2	0	0	0	1	1	4	6	8	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	1	0	0	1	2	1	3	4	4	7	7
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	1	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	21	8	7	5	6	6	11	18	17	21	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	4	1
HWQ16 - Bayou Grand Liard	10	3	3	2	2	2	2	5	7	10	14	13
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	2	0	0	0	0	0	0	2	4	9	9
CRMS 0224	3	1	0	0	0	0	0	1	3	4	9	9
CRMS 0163	1	0	0	1	0	0	0	0	1	2	2	1
CRMS 0162	4	2	5	5	7	2	0	3	12	14	16	11

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-5	-5	-4	-4	-3	-4	-2	0	-1	-1	-2
HWQ-08- At the Outfall	-4	-6	-4	-2	-2	-1	-1	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-6	-7	-4	-2	-1	-1	-2	-1	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-2	-3	-2	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-13	-9	-5	-3	-3	-3	-3	-4	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-9	-8	-6	-4	-3	-3	-4	-4	-1	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-10	-5	-4	-4	-4	-4	-4	-1	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-4	-5	-3	-3	-3	-3	-2	-1	0	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-3	-4	-4	-3	-3	-3	-3	-1	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	0	-1	0	0	-1	-2	-2	0	0	0	-1
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
CRMS 0258	-8	-3	-1	0	0	0	-2	-2	0	0	-1	-1
CRMS 0224	-11	-6	-3	-1	-1	-2	-2	-3	-1	-1	-2	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	1	0	1

Figure WQ SAL 164 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	19	12	6	5	3	9	17	15	17	21	14
HWQ-08- At the Outfall	5	8	5	2	1	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	6	11	7	2	1	1	2	2	4	3	6	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	15	8	4	3	3	3	7	5	5	12	10
USGS7380251 Barataria Bay North of Grand Isle	24	17	9	4	3	3	4	11	8	10	16	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	15	6	5	4	4	5	9	6	6	10	10
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	3	3	3	3	2	1	3	4
USGS073802516 Barataria Pass at Grand Isle	29	22	14	8	6	6	13	21	19	22	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	3	8	8	11	15	7
CRMS 3985	1	1	1	2	2	2	1	1	0	0	0	0
CRMS 0258	13	12	7	1	0	0	1	3	3	5	12	7
CRMS 0224	16	14	9	2	1	1	2	5	5	5	12	10
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	6	5	3	0	0	4	15	18	15	2

V3PR2_HYST - cy 4 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	18	8	2	1	1	5	16	14	16	20	10
HWQ-08- At the Outfall	1	1	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	4	0	0	0	0	0	0	2	1	3	0
Barataria Waterway at Lafitte (USACE82875)	2	2	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	16	12	1	0	0	0	0	3	3	4	10	1
USGS7380251 Barataria Bay North of Grand Isle	23	15	3	0	0	0	0	8	6	9	14	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	13	2	0	0	1	1	5	4	4	8	2
USGS 07380335 - Little Lake Near Cutoff	5	4	1	0	0	0	0	0	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	29	21	11	5	3	3	10	19	18	22	23	13
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	2	4	0
HWQ16 - Bayou Grand Liard	20	12	6	2	1	1	1	6	8	11	15	6
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	0
CRMS 0258	11	11	3	0	0	0	0	1	3	4	11	4
CRMS 0224	14	12	2	0	0	0	0	2	4	4	10	3
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	6	5	3	0	0	4	15	19	15	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-1	-5	-4	-3	-2	-4	-2	-1	-1	-1	-5
HWQ-08- At the Outfall	-4	-7	-5	-2	-1	-1	-2	-2	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-7	-7	-2	-1	-1	-2	-2	-2	-2	-3	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-3	-7	-4	-3	-3	-3	-4	-2	-2	-3	-9
USGS7380251 Barataria Bay North of Grand Isle	-1	-2	-7	-4	-3	-3	-4	-3	-2	-1	-2	-8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-5	-4	-4	-3	-4	-4	-2	-2	-2	-8
USGS 07380335 - Little Lake Near Cutoff	-1	-2	-1	-3	-3	-3	-2	-2	-1	-1	-1	-3
USGS073802516 Barataria Pass at Grand Isle	0	-1	-3	-3	-3	-2	-3	-1	-1	0	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	1	0	0
HWQ16 - Bayou Grand Liard	0	0	0	0	0	0	-2	-2	-1	0	0	0
CRMS 3985	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-2	-1	-3	0	0	0	-1	-2	0	-1	-1	-3
CRMS 0224	-2	-2	-6	-2	-1	-1	-2	-3	-1	-1	-2	-7
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	2	0	0

Figure WQ SAL 165 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	15	9	5	4	4	8	16	13	13	20	20
HWQ-08- At the Outfall	4	6	4	2	1	1	1	2	3	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	8	5	1	1	1	2	2	3	2	4	7
Barataria Waterway at Lafitte (USACE82875)	2	2	2	2	1	1	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	12	6	3	2	2	3	6	4	4	11	11
USGS7380251 Barataria Bay North of Grand Isle	22	13	6	3	2	2	4	9	6	7	14	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	5	4	3	4	5	9	5	4	8	10
USGS 07380335 - Little Lake Near Cutoff	6	5	2	3	3	2	2	2	1	1	2	3
USGS073802516 Barataria Pass at Grand Isle	27	17	11	6	5	7	12	20	17	18	23	23
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	4	2
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	7	7	8	15	15
CRMS 3985	1	1	1	1	1	1	1	1	0	0	0	0
CRMS 0258	12	7	3	0	0	0	1	2	2	3	10	11
CRMS 0224	15	10	5	1	1	1	2	4	4	3	10	12
CRMS 0163	2	0	0	0	0	0	0	1	0	1	2	1
CRMS 0162	6	5	4	3	3	1	0	3	9	9	17	13

V3PR3_HYST - cy 4 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	3	1	1	1	4	14	12	13	19	19
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	0	2	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	10	5	0	0	0	0	0	1	2	2	9	7
USGS7380251 Barataria Bay North of Grand Isle	18	7	0	0	0	0	0	5	5	6	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	6	0	0	0	1	0	4	3	3	7	7
USGS 07380335 - Little Lake Near Cutoff	3	1	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	26	14	7	3	3	5	9	18	16	18	22	22
HWQ14 - Lake Washington	6	0	0	0	0	0	0	0	0	1	4	2
HWQ16 - Bayou Grand Liard	16	7	3	1	1	1	1	5	6	8	15	15
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	4	1	0	0	0	0	0	2	2	9	10
CRMS 0224	8	5	0	0	0	0	0	1	3	2	9	10
CRMS 0163	2	0	0	0	0	0	0	1	0	2	2	1
CRMS 0162	7	5	4	3	3	1	0	4	10	10	17	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-2	-4	-5	-3	-3	-3	-5	-2	-1	-1	-1	-1
HWQ-08- At the Outfall	-4	-6	-4	-2	-1	-1	-1	-2	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-5	-1	-1	-1	-2	-2	-3	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-7	-6	-3	-2	-2	-3	-5	-2	-2	-2	-3
USGS7380251 Barataria Bay North of Grand Isle	-4	-6	-6	-3	-2	-2	-4	-4	-1	-1	-1	-2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-7	-5	-4	-3	-3	-4	-5	-2	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-3	-4	-2	-3	-2	-2	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-3	-4	-3	-2	-3	-3	-1	-1	0	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-2	0	0	0	0	0	-2	-2	0	0	0	0
CRMS 3985	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-5	-2	-2	0	0	0	-1	-2	0	-1	0	-1
CRMS 0224	-7	-5	-4	-1	-1	-1	-2	-3	-1	-1	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	0	0	0	0	0	0	1	1	1	0

Figure WQ SAL 166 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	12	8	5	4	6	16	21	17	19	21	17
HWQ-08- At the Outfall	4	7	4	2	1	1	2	2	4	3	5	6
CRMS0276 - Just east of Wilkinson Canal	6	8	4	1	1	1	2	2	6	5	7	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	1	2	1	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	18	11	5	3	2	3	4	9	6	7	13	11
USGS7380251 Barataria Bay North of Grand Isle	22	11	6	3	3	3	8	15	10	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	6	4	4	5	7	12	7	7	11	10
USGS 07380335 - Little Lake Near Cutoff	6	6	3	3	3	3	2	2	2	1	4	4
USGS073802516 Barataria Pass at Grand Isle	27	14	10	7	6	11	20	24	21	24	23	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	4	3	1
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	7	11	11	14	15	10
CRMS 3985	1	1	1	2	1	2	1	0	0	0	0	0
CRMS 0258	12	5	2	1	0	1	2	4	5	7	12	8
CRMS 0224	15	8	4	1	1	1	3	6	7	8	13	11
CRMS 0163	2	0	0	0	0	1	1	2	2	5	1	0
CRMS 0162	7	3	3	4	3	3	0	10	21	23	14	5

V3PR3_HYST - cy 4 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	7	2	2	1	5	15	20	16	18	20	14
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	3	2	3	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	11	2	0	0	0	1	2	5	4	4	10	5
USGS7380251 Barataria Bay North of Grand Isle	19	4	0	0	0	1	6	13	8	10	14	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	3	0	0	0	2	4	9	4	4	8	6
USGS 07380335 - Little Lake Near Cutoff	4	0	0	0	0	0	0	0	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	26	10	5	4	3	9	19	23	20	23	22	18
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	3	4	1
HWQ16 - Bayou Grand Liard	17	4	2	1	1	3	6	10	10	13	15	10
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	3	0	0	0	0	1	2	5	6	11	6
CRMS 0224	9	2	0	0	0	0	1	4	6	6	11	6
CRMS 0163	2	0	0	0	0	1	1	2	2	5	2	0
CRMS 0162	7	3	3	4	3	4	1	10	21	23	14	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-5	-5	-4	-3	-2	-1	-1	-2	-2	-1	-3
HWQ-08- At the Outfall	-4	-7	-4	-2	-1	-1	-2	-2	-4	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-4	-1	-1	-1	-2	-2	-3	-3	-3	-6
Barataria Waterway at Lafitte (USACE82875)	-1	-3	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-10	-5	-3	-2	-2	-2	-3	-2	-3	-3	-6
USGS7380251 Barataria Bay North of Grand Isle	-4	-7	-6	-3	-3	-2	-2	-2	-2	-2	-2	-5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-10	-6	-4	-3	-3	-2	-3	-3	-2	-3	-5
USGS 07380335 - Little Lake Near Cutoff	-3	-5	-3	-3	-3	-2	-2	-2	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-4	-4	-3	-3	-1	-1	-1	-1	-1	-1	-2
HWQ14 - Lake Washington	1	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	0	0	0	0	-1	-1	-1	-1	-1	0	0
CRMS 3985	0	-1	-1	-2	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-2	-1	0	0	0	-1	-2	0	-1	-1	-2
CRMS 0224	-6	-6	-4	-1	-1	-1	-2	-3	-1	-2	-2	-4
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	1	0	0	0	0

Figure WQ SAL 167 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	15	14	10	10	10	19	25	21	21	19	17
HWQ-08- At the Outfall	4	7	4	3	3	2	2	2	5	5	5	5
CRMS0276 - Just east of Wilkinson Canal	6	9	6	3	3	2	2	3	8	7	6	6
Barataria Waterway at Lafitte (USACE82875)	2	3	1	2	2	2	1	1	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	13	6	4	4	5	5	11	9	9	13	9
USGS7380251 Barataria Bay North of Grand Isle	24	14	8	6	5	6	10	19	14	15	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	14	5	6	7	9	8	14	9	8	11	9
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	4	4	2	2	2	2	4	3
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	23	27	25	24	22	20
HWQ14 - Lake Washington	9	0	0	0	1	0	1	4	10	1	2	1
HWQ16 - Bayou Grand Liard	21	7	8	6	5	7	10	15	15	14	12	10
CRMS 3985	1	1	0	1	2	2	1	0	0	0	0	0
CRMS 0258	13	8	6	2	2	2	3	5	9	10	10	7
CRMS 0224	16	11	7	3	3	3	4	8	11	11	12	9
CRMS 0163	5	1	0	1	0	1	2	5	14	2	1	1
CRMS 0162	13	6	11	11	9	9	10	19	27	18	10	5

V3PR3_HYST - cy 4 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	13	12	7	6	8	19	24	20	19	18	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	0	0	0	0	0	0	0	4	3	3	2
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	1	1	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	15	4	2	1	1	3	4	8	6	6	10	6
USGS7380251 Barataria Bay North of Grand Isle	23	8	5	3	2	3	9	17	12	12	14	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	7	2	3	3	6	7	11	6	6	8	6
USGS 07380335 - Little Lake Near Cutoff	5	2	0	1	1	2	2	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	16	16	11	10	14	23	27	23	23	21	19
HWQ14 - Lake Washington	9	1	0	0	1	0	1	4	11	2	2	1
HWQ16 - Bayou Grand Liard	20	8	8	5	4	7	9	14	14	13	12	10
CRMS 3985	1	0	0	0	0	1	1	0	0	0	0	0
CRMS 0258	11	5	4	1	1	1	2	3	8	8	9	6
CRMS 0224	14	5	3	2	1	2	2	5	9	9	10	7
CRMS 0163	5	1	0	1	0	1	2	5	14	2	1	1
CRMS 0162	14	7	11	10	9	9	9	19	27	18	10	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-2	-2	-3	-2	0	-1	-2	-2	-1	-1
HWQ-08- At the Outfall	-4	-7	-4	-3	-3	-2	-2	-2	-5	-5	-5	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-9	-5	-3	-3	-2	-2	-2	-4	-4	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-2	-1	-2	-2	-2	-1	0	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-9	-5	-3	-3	-2	-1	-4	-3	-3	-3	-3
USGS7380251 Barataria Bay North of Grand Isle	-1	-5	-4	-3	-4	-2	-1	-2	-3	-2	-2	-2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-8	-3	-3	-4	-3	-1	-3	-3	-3	-3	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-4	-1	-2	-3	-2	-1	-1	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	0	-2	-1	-2	-2	-1	0	-1	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	0	0	0	0	0	-1	-1	-1	-1	-1	0	0
CRMS 3985	0	-1	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-2	-2	-2	0	-1	-1	-2	-2	-1	-1	-1	-1
CRMS 0224	-2	-6	-4	-2	-2	-1	-1	-3	-2	-2	-2	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	-1	0	0	0	0	0	0	0	0

Figure WQ SAL 168 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	9	6	6	5	10	16	13	16	20	19
HWQ-08- At the Outfall	4	6	4	2	2	1	1	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	7	4	2	1	1	2	1	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	10	5	3	3	3	3	5	4	5	11	11
USGS7380251 Barataria Bay North of Grand Isle	20	10	6	4	4	4	5	9	7	9	15	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	11	6	5	5	6	5	8	4	5	9	10
USGS 07380335 - Little Lake Near Cutoff	6	5	3	3	3	3	2	1	1	1	3	3
USGS073802516 Barataria Pass at Grand Isle	24	12	11	9	9	8	14	19	18	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	7	7	10	15	13
CRMS 3985	1	1	1	2	2	2	1	0	0	0	0	0
CRMS 0258	12	4	2	1	1	1	2	2	2	4	10	10
CRMS 0224	15	7	4	2	2	2	2	3	4	5	11	12
CRMS 0163	0	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	4	2	5	5	7	2	0	2	12	13	16	11

V3PR3_HYST - cy 4 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	18	5	4	2	3	2	6	13	13	16	19	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	3	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	4	1	0	0	0	0	0	1	3	4	9	7
USGS7380251 Barataria Bay North of Grand Isle	11	2	0	0	0	1	1	5	6	9	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	1	0	0	1	2	1	3	4	4	7	7
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	1	0	0	0	1	2	1
USGS073802516 Barataria Pass at Grand Isle	21	8	8	5	6	6	11	18	17	21	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	4	1
HWQ16 - Bayou Grand Liard	10	3	3	2	2	2	2	5	7	10	14	13
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	4	2	1	0	0	0	0	0	2	4	10	9
CRMS 0224	3	1	0	0	0	0	0	1	3	4	10	10
CRMS 0163	1	0	0	0	0	0	0	0	1	2	2	1
CRMS 0162	4	2	6	5	7	2	0	3	12	12	16	11

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-5	-5	-4	-4	-3	-4	-2	0	0	-1	-1
HWQ-08- At the Outfall	-4	-6	-4	-2	-2	-1	-1	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-6	-7	-4	-2	-1	-1	-2	-1	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-2	-3	-2	-2	-2	-2	-1	0	0	0	0	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-13	-9	-5	-3	-3	-3	-3	-4	-1	-1	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-9	-8	-6	-4	-3	-3	-4	-4	-1	0	-1	-2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-10	-5	-4	-4	-4	-4	-4	-1	0	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-4	-5	-3	-3	-3	-3	-2	-1	0	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-3	-4	-4	-3	-3	-3	-2	-1	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-5	0	-1	0	0	-1	-2	-2	0	0	0	0
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
CRMS 0258	-8	-3	-1	0	0	0	-2	-2	0	0	-1	-1
CRMS 0224	-11	-6	-3	-1	-1	-2	-2	-3	-1	-1	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	1	0	0	0	0	0	0	-1	0	1

Figure WQ SAL 169 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	19	12	6	5	3	9	17	15	17	21	14
HWQ-08- At the Outfall	5	8	5	2	1	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	6	11	7	2	1	1	2	2	4	3	6	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	15	8	4	3	3	3	7	5	5	12	10
USGS7380251 Barataria Bay North of Grand Isle	24	17	9	4	3	3	4	11	8	10	16	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	15	6	5	4	4	5	9	6	6	10	10
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	3	3	3	3	2	1	3	4
USGS073802516 Barataria Pass at Grand Isle	29	22	14	8	6	6	13	21	19	22	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	3	8	8	11	15	7
CRMS 3985	1	1	1	2	2	2	1	1	0	0	0	0
CRMS 0258	13	12	7	1	0	0	1	3	3	5	12	7
CRMS 0224	16	14	9	2	1	1	2	5	5	5	12	10
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	6	5	3	0	0	4	15	18	15	2

V3PR3_HYST - cy 4 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	18	7	2	1	1	5	16	13	16	20	10
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	4	0	0	0	0	0	0	2	1	3	0
Barataria Waterway at Lafitte (USACE82875)	2	2	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	16	12	1	0	0	0	0	3	3	4	10	1
USGS7380251 Barataria Bay North of Grand Isle	23	15	3	0	0	0	0	8	6	9	14	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	13	2	0	0	1	1	5	4	4	8	2
USGS 07380335 - Little Lake Near Cutoff	5	4	1	0	0	0	0	0	1	0	2	0
USGS073802516 Barataria Pass at Grand Isle	29	21	11	5	3	3	10	20	18	21	23	13
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	2	4	0
HWQ16 - Bayou Grand Liard	20	12	6	2	1	1	1	6	7	11	15	7
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	0
CRMS 0258	12	11	3	0	0	0	0	1	3	4	11	4
CRMS 0224	14	12	2	0	0	0	0	2	4	4	10	3
CRMS 0163	4	2	0	0	0	0	0	1	1	4	2	0
CRMS 0162	12	15	6	5	3	0	0	4	16	19	15	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-1	-5	-4	-3	-2	-4	-1	-1	-1	-1	-5
HWQ-08- At the Outfall	-4	-8	-5	-2	-1	-1	-2	-2	-3	-3	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-7	-7	-2	-1	-1	-2	-2	-2	-2	-3	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-3	-7	-4	-3	-3	-3	-4	-2	-2	-3	-9
USGS7380251 Barataria Bay North of Grand Isle	-1	-2	-7	-4	-3	-3	-4	-3	-2	-1	-2	-8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-5	-4	-4	-3	-4	-4	-2	-1	-2	-8
USGS 07380335 - Little Lake Near Cutoff	-1	-2	-1	-3	-3	-3	-2	-2	-1	-1	-1	-3
USGS073802516 Barataria Pass at Grand Isle	0	-1	-3	-3	-3	-2	-3	-1	-1	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	1	0	0
HWQ16 - Bayou Grand Liard	0	0	0	0	0	0	-2	-2	-1	0	0	0
CRMS 3985	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-2	-1	-3	0	0	0	-1	-2	0	-1	-1	-3
CRMS 0224	-2	-2	-6	-1	-1	-1	-2	-3	-1	-1	-2	-7
CRMS 0163	0	0	0	0	0	0	0	0	0	1	0	0
CRMS 0162	0	0	0	0	0	0	0	0	1	1	0	0

Figure WQ SAL 170 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	15	9	5	4	4	8	16	13	13	20	20
HWQ-08- At the Outfall	4	6	4	2	1	1	1	2	3	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	8	5	1	1	1	2	2	3	2	4	7
Barataria Waterway at Lafitte (USACE82875)	2	2	2	2	1	1	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	12	6	3	2	2	3	6	4	4	11	11
USGS7380251 Barataria Bay North of Grand Isle	22	13	6	3	2	2	4	9	6	7	14	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	5	4	3	4	5	9	5	4	8	10
USGS 07380335 - Little Lake Near Cutoff	6	5	2	3	3	2	2	2	1	1	2	3
USGS073802516 Barataria Pass at Grand Isle	27	17	11	6	5	7	12	20	17	18	23	23
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	4	2
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	7	7	8	15	15
CRMS 3985	1	1	1	1	1	1	1	1	0	0	0	0
CRMS 0258	12	7	3	0	0	0	1	2	2	3	10	11
CRMS 0224	15	10	5	1	1	1	2	4	4	3	10	12
CRMS 0163	2	0	0	0	0	0	0	1	0	1	2	1
CRMS 0162	6	5	4	3	3	1	0	3	9	9	17	13

V3PR4_HYST - cy 4 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	2	1	1	1	2	13	12	12	19	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	0	3	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	7	4	0	0	0	0	0	1	2	2	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	6	0	0	0	0	0	4	5	5	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	5	0	0	0	0	0	3	3	3	8	7
USGS 07380335 - Little Lake Near Cutoff	3	1	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	25	13	5	2	2	4	7	17	16	18	22	22
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	4	2
HWQ16 - Bayou Grand Liard	15	7	2	1	1	1	1	4	6	7	14	14
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	6	3	0	0	0	0	0	0	2	2	9	10
CRMS 0224	6	4	0	0	0	0	0	1	3	2	9	10
CRMS 0163	2	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	7	5	5	3	3	1	0	3	9	9	18	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-5	-7	-4	-3	-3	-6	-3	-1	-1	-1	-2
HWQ-08- At the Outfall	-4	-6	-4	-2	-1	-1	-1	-2	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-5	-1	-1	-1	-2	-2	-3	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-8	-6	-3	-2	-2	-3	-5	-2	-2	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-6	-7	-6	-3	-2	-2	-4	-6	-2	-2	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7	-8	-5	-4	-3	-4	-5	-6	-2	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-3	-4	-2	-3	-3	-2	-2	-2	-1	-1	0	-2
USGS073802516 Barataria Pass at Grand Isle	-2	-4	-6	-4	-3	-4	-5	-2	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-2	0	-1	0	0	-1	-2	-3	0	-1	0	-1
CRMS 3985	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-5	-3	-2	0	0	0	-1	-2	0	-1	0	-1
CRMS 0224	-9	-6	-5	-1	-1	-1	-2	-4	-1	-2	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 171 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	12	8	5	4	6	16	21	17	19	21	17
HWQ-08- At the Outfall	4	7	4	2	1	1	2	2	4	3	5	6
CRMS0276 - Just east of Wilkinson Canal	6	8	4	1	1	1	2	2	6	5	7	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	1	2	1	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	18	11	5	3	2	3	4	9	6	7	13	11
USGS7380251 Barataria Bay North of Grand Isle	22	11	6	3	3	3	8	15	10	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	6	4	4	5	7	12	7	7	11	10
USGS 07380335 - Little Lake Near Cutoff	6	6	3	3	3	3	2	2	2	1	4	4
USGS073802516 Barataria Pass at Grand Isle	27	14	10	7	6	11	20	24	21	24	23	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	4	3	1
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	7	11	11	14	15	10
CRMS 3985	1	1	1	2	1	2	1	0	0	0	0	0
CRMS 0258	12	5	2	1	0	1	2	4	5	7	12	8
CRMS 0224	15	8	4	1	1	1	3	6	7	8	13	11
CRMS 0163	2	0	0	0	0	1	1	2	2	5	1	0
CRMS 0162	7	3	3	4	3	3	0	10	21	23	14	5

V3PR4_HYST - cy 4 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	5	1	1	1	5	14	20	16	18	19	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	3	2	4	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	9	1	0	0	0	0	2	6	4	4	10	4
USGS7380251 Barataria Bay North of Grand Isle	17	2	0	0	0	1	6	13	8	10	14	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10	1	0	0	0	1	4	10	5	5	8	5
USGS 07380335 - Little Lake Near Cutoff	3	0	0	0	0	0	0	1	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	25	8	4	3	2	9	19	23	20	23	22	17
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	3	3	1
HWQ16 - Bayou Grand Liard	17	4	2	1	1	3	6	10	10	13	14	9
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	2	0	0	0	0	0	2	5	6	11	5
CRMS 0224	8	1	0	0	0	0	1	4	6	6	11	6
CRMS 0163	2	0	0	0	0	1	1	2	2	5	1	0
CRMS 0162	7	3	4	4	3	3	0	10	21	23	14	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-2	-7	-6	-4	-4	-2	-1	-1	-1	-1	-2	-4
HWQ-08- At the Outfall	-4	-7	-4	-2	-1	-1	-2	-2	-4	-3	-5	-6
CRMS0276 - Just east of Wilkinson Canal	-4	-8	-4	-1	-1	-1	-2	-2	-3	-3	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-3	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-9	-11	-5	-3	-2	-2	-3	-3	-2	-3	-4	-7
USGS7380251 Barataria Bay North of Grand Isle	-5	-9	-6	-3	-3	-2	-2	-2	-2	-2	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-11	-6	-4	-4	-3	-3	-2	-2	-2	-3	-5
USGS 07380335 - Little Lake Near Cutoff	-3	-5	-3	-3	-3	-2	-2	-2	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-5	-6	-4	-4	-2	-1	-1	-1	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-1	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	0	-1	-1	-1	-1	-1	-1	-1
CRMS 3985	0	-1	-1	-2	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-3	-2	0	0	0	-2	-2	-1	-1	-1	-3
CRMS 0224	-7	-7	-4	-1	-1	-1	-2	-2	-2	-2	-2	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	1	0	0	0	0	0	0	0	0	0

Figure WQ SAL 172 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	15	14	10	10	10	19	25	21	21	19	17
HWQ-08- At the Outfall	4	7	4	3	3	2	2	2	5	5	5	5
CRMS0276 - Just east of Wilkinson Canal	6	9	6	3	3	2	2	3	8	7	6	6
Barataria Waterway at Lafitte (USACE82875)	2	3	1	2	2	2	1	1	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	13	6	4	4	5	5	11	9	9	13	9
USGS7380251 Barataria Bay North of Grand Isle	24	14	8	6	5	6	10	19	14	15	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	14	5	6	7	9	8	14	9	8	11	9
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	4	4	2	2	2	2	4	3
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	23	27	25	24	22	20
HWQ14 - Lake Washington	9	0	0	0	1	0	1	4	10	1	2	1
HWQ16 - Bayou Grand Liard	21	7	8	6	5	7	10	15	15	14	12	10
CRMS 3985	1	1	0	1	2	2	1	0	0	0	0	0
CRMS 0258	13	8	6	2	2	2	3	5	9	10	10	7
CRMS 0224	16	11	7	3	3	3	4	8	11	11	12	9
CRMS 0163	5	1	0	1	0	1	2	5	14	2	1	1
CRMS 0162	13	6	11	11	9	9	10	19	27	18	10	5

V3PR4_HYST - cy 4 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	11	11	7	5	8	18	23	19	18	17	15
HWQ-08- At the Outfall	3	0	2	0	1	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	0	1	0	0	0	0	0	3	3	4	3
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	1	1	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	14	3	2	1	1	2	3	6	5	5	9	6
USGS7380251 Barataria Bay North of Grand Isle	23	6	4	2	1	3	9	16	10	11	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	5	2	2	2	5	6	11	5	5	8	6
USGS 07380335 - Little Lake Near Cutoff	5	1	0	1	1	2	1	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	15	15	11	10	14	23	26	22	22	20	19
HWQ14 - Lake Washington	9	0	0	0	0	0	1	3	9	1	2	1
HWQ16 - Bayou Grand Liard	20	7	8	5	4	6	8	13	13	12	11	10
CRMS 3985	1	0	0	0	0	1	1	0	0	0	0	0
CRMS 0258	12	4	3	1	1	1	1	3	7	7	8	6
CRMS 0224	14	4	3	1	1	2	2	5	8	7	10	7
CRMS 0163	5	1	0	1	0	1	2	4	12	2	1	1
CRMS 0162	13	6	11	11	9	10	10	18	27	16	10	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-4	-3	-3	-4	-2	-1	-2	-3	-3	-2	-2
HWQ-08- At the Outfall	-1	-7	-2	-3	-2	-2	-2	-2	-5	-5	-5	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-9	-5	-3	-3	-2	-2	-2	-4	-4	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-2	-1	-2	-2	-2	-1	0	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-11	-5	-3	-4	-2	-2	-5	-4	-4	-4	-4
USGS7380251 Barataria Bay North of Grand Isle	-1	-7	-5	-3	-4	-3	-1	-3	-4	-4	-3	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-9	-4	-3	-5	-3	-2	-4	-3	-3	-3	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-4	-1	-2	-3	-2	-1	-2	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	0	-2	-2	-2	-3	-1	0	-1	-2	-2	-2	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	-1	-2	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-1	-1
CRMS 3985	0	-1	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-1	-3	-3	-1	-1	-1	-2	-2	-2	-3	-1	-1
CRMS 0224	-2	-7	-5	-2	-2	-2	-2	-3	-3	-4	-3	-2
CRMS 0163	0	0	0	0	0	0	0	-1	-2	0	0	0
CRMS 0162	0	0	1	0	-1	1	0	0	0	-1	0	0

Figure WQ SAL 173 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	9	6	6	5	10	16	13	16	20	19
HWQ-08- At the Outfall	4	6	4	2	2	1	1	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	7	4	2	1	1	2	1	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	10	5	3	3	3	3	5	4	5	11	11
USGS7380251 Barataria Bay North of Grand Isle	20	10	6	4	4	4	5	9	7	9	15	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	11	6	5	5	6	5	8	4	5	9	10
USGS 07380335 - Little Lake Near Cutoff	6	5	3	3	3	3	2	1	1	1	3	3
USGS073802516 Barataria Pass at Grand Isle	24	12	11	9	9	8	14	19	18	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	7	7	10	15	13
CRMS 3985	1	1	1	2	2	2	1	0	0	0	0	0
CRMS 0258	12	4	2	1	1	1	2	2	2	4	10	10
CRMS 0224	15	7	4	2	2	2	2	3	4	5	11	12
CRMS 0163	0	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	4	2	5	5	7	2	0	2	12	13	16	11

V3PR4_HYST - cy 4 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	16	3	2	1	2	2	4	12	13	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	3	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	1	2	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	7	1	0	0	0	0	0	3	6	8	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	1	0	0	1	1	0	3	4	4	8	7
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	19	6	6	4	5	5	10	17	17	20	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	9	3	2	2	2	1	1	4	7	9	14	13
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	1	0	0	0	0	0	0	2	3	10	9
CRMS 0224	2	0	0	0	0	0	0	1	3	4	10	9
CRMS 0163	1	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	5	2	6	5	7	2	0	2	12	13	17	11

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-7	-6	-5	-5	-4	-6	-4	0	-1	-1	-2
HWQ-08- At the Outfall	-4	-6	-4	-2	-2	-1	-1	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-6	-7	-4	-2	-1	-1	-2	-1	-2	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-2	-3	-2	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-15	-10	-5	-3	-3	-3	-3	-4	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-13	-9	-6	-4	-4	-3	-4	-6	-1	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-11	-11	-5	-5	-4	-5	-5	-5	-1	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-5	-5	-3	-3	-3	-3	-2	-1	0	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-5	-6	-5	-4	-4	-3	-4	-2	0	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-7	-1	-1	-1	-1	-1	-3	-3	-1	-1	0	-1
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
CRMS 0258	-9	-3	-2	-1	-1	-1	-2	-2	0	-1	-1	-1
CRMS 0224	-13	-6	-4	-2	-2	-2	-2	-3	-1	-1	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	0	0	1	0

Figure WQ SAL 174 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	19	12	6	5	3	9	17	15	17	21	14
HWQ-08- At the Outfall	5	8	5	2	1	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	6	11	7	2	1	1	2	2	4	3	6	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	15	8	4	3	3	3	7	5	5	12	10
USGS7380251 Barataria Bay North of Grand Isle	24	17	9	4	3	3	4	11	8	10	16	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	15	6	5	4	4	5	9	6	6	10	10
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	3	3	3	3	2	1	3	4
USGS073802516 Barataria Pass at Grand Isle	29	22	14	8	6	6	13	21	19	22	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	3	8	8	11	15	7
CRMS 3985	1	1	1	2	2	2	1	1	0	0	0	0
CRMS 0258	13	12	7	1	0	0	1	3	3	5	12	7
CRMS 0224	16	14	9	2	1	1	2	5	5	5	12	10
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	6	5	3	0	0	4	15	18	15	2

V3PR4_HYST - cy 4 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	18	6	1	1	1	3	15	13	16	19	8
HWQ-08- At the Outfall	3	3	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	4	0	0	0	0	0	0	2	1	3	0
Barataria Waterway at Lafitte (USACE82875)	2	2	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	15	11	1	0	0	0	0	2	3	3	9	1
USGS7380251 Barataria Bay North of Grand Isle	22	15	2	0	0	0	0	7	6	8	14	2
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	12	1	0	0	0	0	5	4	4	8	1
USGS 07380335 - Little Lake Near Cutoff	5	3	0	0	0	0	0	0	0	0	2	0
USGS073802516 Barataria Pass at Grand Isle	28	21	9	4	2	2	9	19	17	21	22	11
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	12	6	2	1	1	1	6	7	10	15	6
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	0
CRMS 0258	12	10	2	0	0	0	0	1	3	4	11	3
CRMS 0224	14	11	2	0	0	0	0	2	3	4	10	2
CRMS 0163	4	2	0	0	0	0	0	1	1	2	2	0
CRMS 0162	12	15	6	5	3	1	0	4	15	18	15	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-1	-6	-5	-4	-3	-6	-2	-1	-1	-2	-7
HWQ-08- At the Outfall	-1	-5	-5	-2	-1	-1	-2	-2	-3	-3	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-6	-7	-2	-1	-1	-2	-2	-3	-2	-2	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-4	-7	-4	-3	-3	-3	-4	-2	-2	-3	-10
USGS7380251 Barataria Bay North of Grand Isle	-1	-2	-7	-4	-3	-3	-4	-4	-2	-2	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-5	-5	-4	-4	-5	-4	-2	-1	-2	-8
USGS 07380335 - Little Lake Near Cutoff	-1	-2	-2	-3	-3	-3	-3	-2	-1	-1	-1	-3
USGS073802516 Barataria Pass at Grand Isle	0	-1	-5	-5	-4	-3	-5	-1	-1	-1	-1	-5
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	0	0	-1	0	0	-2	-2	-1	-1	-1	-1
CRMS 3985	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-1	-1	-4	0	0	0	-1	-2	-1	-1	-1	-4
CRMS 0224	-2	-3	-7	-2	-1	-1	-2	-3	-2	-2	-2	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 175 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	15	9	5	4	4	8	16	13	13	20	20
HWQ-08- At the Outfall	4	6	4	2	1	1	1	2	3	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	8	5	1	1	1	2	2	3	2	4	7
Barataria Waterway at Lafitte (USACE82875)	2	2	2	2	1	1	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	12	6	3	2	2	3	6	4	4	11	11
USGS7380251 Barataria Bay North of Grand Isle	22	13	6	3	2	2	4	9	6	7	14	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	5	4	3	4	5	9	5	4	8	10
USGS 07380335 - Little Lake Near Cutoff	6	5	2	3	3	2	2	2	1	1	2	3
USGS073802516 Barataria Pass at Grand Isle	27	17	11	6	5	7	12	20	17	18	23	23
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	4	2
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	7	7	8	15	15
CRMS 3985	1	1	1	1	1	1	1	1	0	0	0	0
CRMS 0258	12	7	3	0	0	0	1	2	2	3	10	11
CRMS 0224	15	10	5	1	1	1	2	4	4	3	10	12
CRMS 0163	2	0	0	0	0	0	0	1	0	1	2	1
CRMS 0162	6	5	4	3	3	1	0	3	9	9	17	13

V3PR5_HYST - cy 4 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	2	1	1	1	2	13	12	12	19	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	0	3	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	7	4	0	0	0	0	0	1	2	1	9	7
USGS7380251 Barataria Bay North of Grand Isle	16	6	0	0	0	0	0	4	4	5	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	10	5	0	0	0	0	0	3	3	3	7	7
USGS 07380335 - Little Lake Near Cutoff	3	1	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	25	13	5	2	2	3	7	17	16	18	22	22
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	3	2
HWQ16 - Bayou Grand Liard	15	7	2	1	1	1	1	4	6	7	14	14
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	4	0	0	0	0	0	0	2	2	9	10
CRMS 0224	6	4	0	0	0	0	0	1	2	2	9	10
CRMS 0163	2	0	0	0	0	0	0	0	0	1	2	1
CRMS 0162	7	5	4	3	3	2	0	3	9	10	17	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-5	-7	-4	-3	-3	-6	-3	-1	-1	-1	-2
HWQ-08- At the Outfall	-4	-6	-4	-2	-1	-1	-1	-2	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-7	-5	-1	-1	-1	-2	-2	-3	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-8	-6	-3	-2	-2	-3	-5	-2	-2	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-6	-7	-6	-3	-2	-2	-4	-6	-2	-2	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7	-8	-5	-4	-3	-4	-5	-6	-2	-2	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-3	-4	-2	-3	-3	-2	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-2	-4	-6	-4	-3	-4	-5	-2	-1	-1	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-2	-1	-1	0	0	-1	-2	-3	-1	-1	0	-1
CRMS 3985	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-5	-3	-2	0	0	0	-1	-2	0	-1	0	-1
CRMS 0224	-9	-6	-5	-1	-1	-1	-2	-4	-1	-2	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	0	0	0	0	0	0	0	2	0	0

Figure WQ SAL 176 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	12	8	5	4	6	16	21	17	19	21	17
HWQ-08- At the Outfall	4	7	4	2	1	1	2	2	4	3	5	6
CRMS0276 - Just east of Wilkinson Canal	6	8	4	1	1	1	2	2	6	5	7	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	1	2	1	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	18	11	5	3	2	3	4	9	6	7	13	11
USGS7380251 Barataria Bay North of Grand Isle	22	11	6	3	3	3	8	15	10	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	6	4	4	5	7	12	7	7	11	10
USGS 07380335 - Little Lake Near Cutoff	6	6	3	3	3	3	2	2	2	1	4	4
USGS073802516 Barataria Pass at Grand Isle	27	14	10	7	6	11	20	24	21	24	23	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	4	3	1
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	7	11	11	14	15	10
CRMS 3985	1	1	1	2	1	2	1	0	0	0	0	0
CRMS 0258	12	5	2	1	0	1	2	4	5	7	12	8
CRMS 0224	15	8	4	1	1	1	3	6	7	8	13	11
CRMS 0163	2	0	0	0	0	1	1	2	2	5	1	0
CRMS 0162	7	3	3	4	3	3	0	10	21	23	14	5

V3PR5_HYST - cy 4 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	5	1	1	1	5	14	20	16	17	19	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	0	3	2	3	2
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	8	1	0	0	0	0	2	6	4	4	10	4
USGS7380251 Barataria Bay North of Grand Isle	17	2	0	0	0	1	5	13	8	10	14	8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10	1	0	0	0	1	4	10	4	5	8	5
USGS 07380335 - Little Lake Near Cutoff	3	0	0	0	0	0	0	1	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	25	8	4	3	2	9	19	23	20	22	22	17
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	3	3	1
HWQ16 - Bayou Grand Liard	17	4	2	1	1	3	6	10	10	12	14	9
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	2	0	0	0	0	0	2	4	5	11	5
CRMS 0224	8	1	0	0	0	0	1	4	5	5	11	6
CRMS 0163	2	0	0	0	0	1	1	1	2	4	1	0
CRMS 0162	7	3	4	4	3	3	0	9	21	22	14	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-2	-7	-6	-4	-4	-2	-2	-1	-2	-2	-2	-4
HWQ-08- At the Outfall	-4	-7	-4	-2	-1	-1	-2	-2	-4	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-4	-1	-1	-1	-2	-2	-3	-3	-3	-6
Barataria Waterway at Lafitte (USACE82875)	-1	-3	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-9	-11	-5	-3	-2	-2	-3	-3	-3	-3	-4	-7
USGS7380251 Barataria Bay North of Grand Isle	-5	-9	-6	-3	-3	-2	-2	-2	-3	-3	-2	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-11	-6	-4	-4	-3	-3	-2	-2	-2	-3	-5
USGS 07380335 - Little Lake Near Cutoff	-3	-5	-3	-3	-3	-2	-2	-2	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-5	-6	-4	-4	-1	-1	-1	-2	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-1	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	0	-1	-1	-1	-1	-2	-1	-1
CRMS 3985	0	-1	-1	-2	-1	-1	-1	0	0	0	0	0
CRMS 0258	-4	-3	-2	0	0	0	-2	-2	-1	-2	-1	-3
CRMS 0224	-7	-7	-4	-1	-1	-1	-2	-2	-2	-3	-2	-5
CRMS 0163	0	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	-1	0	0

Figure WQ SAL 177 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	15	14	10	10	10	19	25	21	21	19	17
HWQ-08- At the Outfall	4	7	4	3	3	2	2	2	5	5	5	5
CRMS0276 - Just east of Wilkinson Canal	6	9	6	3	3	2	2	3	8	7	6	6
Barataria Waterway at Lafitte (USACE82875)	2	3	1	2	2	2	1	1	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	13	6	4	4	5	5	11	9	9	13	9
USGS7380251 Barataria Bay North of Grand Isle	24	14	8	6	5	6	10	19	14	15	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	14	5	6	7	9	8	14	9	8	11	9
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	4	4	2	2	2	2	4	3
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	23	27	25	24	22	20
HWQ14 - Lake Washington	9	0	0	0	1	0	1	4	10	1	2	1
HWQ16 - Bayou Grand Liard	21	7	8	6	5	7	10	15	15	14	12	10
CRMS 3985	1	1	0	1	2	2	1	0	0	0	0	0
CRMS 0258	13	8	6	2	2	2	3	5	9	10	10	7
CRMS 0224	16	11	7	3	3	3	4	8	11	11	12	9
CRMS 0163	5	1	0	1	0	1	2	5	14	2	1	1
CRMS 0162	13	6	11	11	9	9	10	19	27	18	10	5

V3PR5_HYST - cy 4 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	11	11	7	5	8	18	23	19	18	17	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	0	0	0	0	0	0	0	4	3	3	2
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	1	1	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	14	3	2	1	1	2	3	6	5	5	9	6
USGS7380251 Barataria Bay North of Grand Isle	23	7	4	2	1	3	9	16	11	11	13	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	5	2	2	2	5	6	11	6	5	8	6
USGS 07380335 - Little Lake Near Cutoff	5	1	0	1	1	2	1	1	1	1	2	1
USGS073802516 Barataria Pass at Grand Isle	29	15	15	11	10	14	23	26	23	22	20	18
HWQ14 - Lake Washington	9	0	0	0	0	0	1	3	9	1	2	1
HWQ16 - Bayou Grand Liard	20	7	7	5	4	6	8	13	13	12	11	9
CRMS 3985	1	0	0	0	0	1	1	0	0	0	0	0
CRMS 0258	12	4	3	1	1	1	1	3	7	7	8	6
CRMS 0224	14	4	3	1	1	2	2	5	8	7	10	7
CRMS 0163	4	1	0	1	0	1	2	3	12	2	0	1
CRMS 0162	13	6	12	10	9	8	9	18	27	16	10	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-4	-3	-3	-4	-2	-1	-2	-2	-3	-2	-2
HWQ-08- At the Outfall	-4	-7	-4	-3	-3	-2	-2	-2	-5	-5	-5	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-9	-5	-3	-3	-2	-2	-2	-4	-4	-3	-4
Barataria Waterway at Lafitte (USACE82875)	0	-2	-1	-2	-2	-2	-1	0	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-11	-5	-3	-4	-2	-2	-5	-4	-4	-4	-4
USGS7380251 Barataria Bay North of Grand Isle	-1	-7	-5	-3	-4	-3	-1	-3	-4	-4	-3	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-9	-4	-3	-5	-3	-2	-4	-3	-3	-3	-3
USGS 07380335 - Little Lake Near Cutoff	-1	-4	-1	-2	-3	-2	-1	-2	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	0	-2	-2	-2	-3	-1	0	-1	-2	-2	-2	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	-1	-2	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-1	-2	-2	-2	-1	-1
CRMS 3985	0	-1	0	-1	-1	-1	0	0	0	0	0	0
CRMS 0258	-1	-3	-3	-1	-1	-1	-2	-2	-2	-2	-1	-1
CRMS 0224	-2	-7	-5	-2	-2	-2	-2	-3	-3	-4	-2	-2
CRMS 0163	0	0	0	-1	0	0	0	-1	-2	-1	0	0
CRMS 0162	0	0	1	-1	0	-1	-1	-1	0	-2	0	0

Figure WQ SAL 178 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	9	6	6	5	10	16	13	16	20	19
HWQ-08- At the Outfall	4	6	4	2	2	1	1	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	7	4	2	1	1	2	1	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	10	5	3	3	3	3	5	4	5	11	11
USGS7380251 Barataria Bay North of Grand Isle	20	10	6	4	4	4	5	9	7	9	15	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	11	6	5	5	6	5	8	4	5	9	10
USGS 07380335 - Little Lake Near Cutoff	6	5	3	3	3	3	2	1	1	1	3	3
USGS073802516 Barataria Pass at Grand Isle	24	12	11	9	9	8	14	19	18	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	7	7	10	15	13
CRMS 3985	1	1	1	2	2	2	1	0	0	0	0	0
CRMS 0258	12	4	2	1	1	1	2	2	2	4	10	10
CRMS 0224	15	7	4	2	2	2	2	3	4	5	11	12
CRMS 0163	0	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	4	2	5	5	7	2	0	2	12	13	16	11

V3PR5_HYST - cy 4 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	16	3	3	1	2	2	4	12	13	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	1	3	3
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	0	0	0	0	0	0	1	2	3	9	7
USGS7380251 Barataria Bay North of Grand Isle	7	1	0	0	0	0	0	3	6	8	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5	1	0	0	1	1	0	3	4	4	8	7
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	19	6	6	4	5	5	10	16	17	21	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	9	2	2	2	2	1	1	4	7	9	14	12
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	3	1	0	0	0	0	0	0	2	3	9	9
CRMS 0224	2	0	0	0	0	0	0	1	3	4	9	9
CRMS 0163	1	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	5	2	6	6	7	2	0	2	11	12	16	11

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-7	-7	-6	-5	-5	-4	-6	-4	0	-1	-1	-2
HWQ-08- At the Outfall	-4	-6	-4	-2	-2	-1	-1	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-6	-7	-4	-2	-1	-1	-2	-1	-2	-2	-2	-5
Barataria Waterway at Lafitte (USACE82875)	-2	-3	-2	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-15	-10	-5	-3	-3	-3	-3	-4	-1	-1	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-13	-9	-6	-4	-4	-3	-4	-6	-1	-1	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-11	-11	-5	-5	-4	-5	-5	-5	-1	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-5	-5	-3	-3	-3	-3	-2	-1	0	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-5	-6	-5	-4	-4	-4	-4	-3	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-7	-1	-1	-1	-1	-1	-3	-3	0	-1	-1	-1
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	0	0	0
CRMS 0258	-9	-3	-2	0	-1	-1	-2	-2	0	-1	-1	-1
CRMS 0224	-13	-6	-4	-2	-2	-2	-2	-3	-1	-1	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	-1	-1	0	1

Figure WQ SAL 179 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	19	12	6	5	3	9	17	15	17	21	14
HWQ-08- At the Outfall	5	8	5	2	1	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	6	11	7	2	1	1	2	2	4	3	6	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	15	8	4	3	3	3	7	5	5	12	10
USGS7380251 Barataria Bay North of Grand Isle	24	17	9	4	3	3	4	11	8	10	16	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	15	6	5	4	4	5	9	6	6	10	10
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	3	3	3	3	2	1	3	4
USGS073802516 Barataria Pass at Grand Isle	29	22	14	8	6	6	13	21	19	22	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	3	8	8	11	15	7
CRMS 3985	1	1	1	2	2	2	1	1	0	0	0	0
CRMS 0258	13	12	7	1	0	0	1	3	3	5	12	7
CRMS 0224	16	14	9	2	1	1	2	5	5	5	12	10
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	6	5	3	0	0	4	15	18	15	2

V3PR5_HYST - cy 4 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	18	6	1	1	1	3	15	13	16	19	8
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	4	0	0	0	0	0	0	2	1	3	0
Barataria Waterway at Lafitte (USACE82875)	2	2	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	15	11	1	0	0	0	0	2	3	4	9	1
USGS7380251 Barataria Bay North of Grand Isle	22	15	2	0	0	0	0	7	6	9	14	3
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	12	1	0	0	0	0	5	4	4	8	1
USGS 07380335 - Little Lake Near Cutoff	5	3	0	0	0	0	0	0	0	0	2	0
USGS073802516 Barataria Pass at Grand Isle	28	21	9	4	2	2	8	19	18	21	22	11
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	12	5	2	1	1	1	5	7	10	14	6
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	0
CRMS 0258	12	10	2	0	0	0	0	1	3	4	10	3
CRMS 0224	14	11	2	0	0	0	0	2	3	4	10	2
CRMS 0163	4	2	0	0	0	0	0	0	0	2	2	0
CRMS 0162	12	15	6	5	3	1	0	3	15	17	15	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-1	-7	-5	-4	-3	-6	-2	-1	-1	-2	-7
HWQ-08- At the Outfall	-4	-8	-5	-2	-1	-1	-2	-2	-3	-3	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-3	-7	-7	-2	-1	-1	-2	-2	-3	-2	-3	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-4	-7	-4	-3	-3	-3	-4	-2	-2	-3	-10
USGS7380251 Barataria Bay North of Grand Isle	-1	-2	-7	-4	-3	-3	-4	-4	-2	-1	-2	-10
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-5	-5	-4	-4	-5	-5	-2	-1	-2	-8
USGS 07380335 - Little Lake Near Cutoff	-1	-2	-2	-3	-3	-3	-3	-2	-1	-1	-1	-3
USGS073802516 Barataria Pass at Grand Isle	0	-1	-5	-5	-4	-3	-5	-2	-1	-1	-1	-5
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	0	-1	-1	0	0	-2	-3	-1	-1	-1	-1
CRMS 3985	0	0	0	-2	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-1	-1	-4	0	0	0	-1	-2	-1	-1	-1	-4
CRMS 0224	-2	-3	-7	-2	-1	-1	-2	-3	-1	-1	-2	-8
CRMS 0163	0	0	0	0	0	0	0	0	0	0	-1	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	1	0

Figure WQ SAL 180 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	15	9	5	4	4	8	16	13	13	20	20
HWQ-08- At the Outfall	4	6	4	2	1	1	1	2	3	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	8	5	1	1	1	2	2	3	2	4	7
Barataria Waterway at Lafitte (USACE82875)	2	2	2	2	1	1	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	12	6	3	2	2	3	6	4	4	11	11
USGS7380251 Barataria Bay North of Grand Isle	22	13	6	3	2	2	4	9	6	7	14	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	5	4	3	4	5	9	5	4	8	10
USGS 07380335 - Little Lake Near Cutoff	6	5	2	3	3	2	2	2	1	1	2	3
USGS073802516 Barataria Pass at Grand Isle	27	17	11	6	5	7	12	20	17	18	23	23
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	4	2
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	7	7	8	15	15
CRMS 3985	1	1	1	1	1	1	1	1	0	0	0	0
CRMS 0258	12	7	3	0	0	0	1	2	2	3	10	11
CRMS 0224	15	10	5	1	1	1	2	4	4	3	10	12
CRMS 0163	2	0	0	0	0	0	0	1	0	1	2	1
CRMS 0162	6	5	4	3	3	1	0	3	9	9	17	13

V3PR6_HYST - cy 4 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	7	0	0	0	0	1	11	11	11	19	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	0	0	3	6
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	2	0	0	0	0	0	0	1	1	8	6
USGS7380251 Barataria Bay North of Grand Isle	9	3	0	0	0	0	0	2	4	4	12	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	3	0	0	0	0	0	2	2	2	8	6
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	23	11	2	1	1	2	5	16	15	17	22	22
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	1	3	2
HWQ16 - Bayou Grand Liard	14	6	1	1	0	0	0	4	6	6	14	14
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	2	0	0	0	0	0	0	2	2	9	10
CRMS 0224	4	2	0	0	0	0	0	0	2	1	9	10
CRMS 0163	2	1	0	0	0	0	0	0	0	2	2	1
CRMS 0162	7	5	5	3	3	2	0	3	10	11	17	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-8	-8	-4	-4	-4	-7	-5	-1	-3	-1	-2
HWQ-08- At the Outfall	-4	-6	-4	-2	-1	-1	-1	-2	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-5	-1	-1	-1	-2	-2	-3	-2	-1	-1
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-15	-10	-6	-3	-2	-2	-3	-5	-3	-3	-2	-5
USGS7380251 Barataria Bay North of Grand Isle	-13	-10	-6	-3	-2	-2	-4	-8	-2	-3	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-10	-10	-5	-4	-3	-4	-5	-7	-3	-2	0	-3
USGS 07380335 - Little Lake Near Cutoff	-4	-5	-2	-3	-3	-2	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-3	-6	-9	-5	-4	-5	-7	-3	-1	-2	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-4	-1	-2	-1	-1	-1	-3	-3	0	-1	0	-1
CRMS 3985	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-7	-4	-3	0	0	0	-1	-2	0	-1	0	-1
CRMS 0224	-12	-7	-5	-1	-1	-1	-2	-4	-2	-2	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	1	2	1	0

Figure WQ SAL 181 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	12	8	5	4	6	16	21	17	19	21	17
HWQ-08- At the Outfall	4	7	4	2	1	1	2	2	4	3	5	6
CRMS0276 - Just east of Wilkinson Canal	6	8	4	1	1	1	2	2	6	5	7	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	1	2	1	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	18	11	5	3	2	3	4	9	6	7	13	11
USGS7380251 Barataria Bay North of Grand Isle	22	11	6	3	3	3	8	15	10	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	6	4	4	5	7	12	7	7	11	10
USGS 07380335 - Little Lake Near Cutoff	6	6	3	3	3	3	2	2	2	1	4	4
USGS073802516 Barataria Pass at Grand Isle	27	14	10	7	6	11	20	24	21	24	23	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	4	3	1
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	7	11	11	14	15	10
CRMS 3985	1	1	1	2	1	2	1	0	0	0	0	0
CRMS 0258	12	5	2	1	0	1	2	4	5	7	12	8
CRMS 0224	15	8	4	1	1	1	3	6	7	8	13	11
CRMS 0163	2	0	0	0	0	1	1	2	2	5	1	0
CRMS 0162	7	3	3	4	3	3	0	10	21	23	14	5

V3PR6_HYST - cy 4 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	2	0	0	0	4	15	21	16	18	19	11
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	0	0	0	0	0	0	0	3	3	5	5
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	0	0	0	0	0	1	4	4	3	10	4
USGS7380251 Barataria Bay North of Grand Isle	11	0	0	0	0	0	5	12	7	9	14	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	0	0	0	0	1	3	10	4	5	9	4
USGS 07380335 - Little Lake Near Cutoff	3	0	0	0	0	0	0	1	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	24	5	2	1	1	9	19	24	20	23	22	15
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	3	3	1
HWQ16 - Bayou Grand Liard	16	3	1	1	0	2	6	10	10	13	15	8
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	1	0	0	0	0	0	3	5	6	12	5
CRMS 0224	7	0	0	0	0	0	1	4	5	6	12	5
CRMS 0163	2	0	0	0	0	1	1	1	2	6	1	0
CRMS 0162	8	3	4	5	3	3	1	10	21	23	14	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-10	-7	-5	-4	-2	-1	-1	-1	-1	-1	-6
HWQ-08- At the Outfall	-4	-7	-4	-2	-1	-1	-2	-2	-4	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-3	-8	-4	-1	-1	-1	-2	-2	-3	-2	-1	-3
Barataria Waterway at Lafitte (USACE82875)	-1	-3	-2	-2	-1	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-12	-11	-5	-3	-2	-3	-3	-4	-3	-4	-4	-7
USGS7380251 Barataria Bay North of Grand Isle	-11	-11	-6	-3	-3	-3	-3	-3	-3	-3	-3	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-12	-6	-4	-4	-4	-3	-1	-2	-2	-2	-6
USGS 07380335 - Little Lake Near Cutoff	-3	-5	-3	-3	-3	-3	-2	-2	-1	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	-3	-9	-8	-6	-5	-2	-1	0	-1	-1	-1	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	0	-2
CRMS 3985	0	-1	-1	-2	-1	-2	-1	0	0	0	0	0
CRMS 0258	-5	-4	-2	0	0	0	-2	-1	0	-1	-1	-3
CRMS 0224	-8	-8	-4	-1	-1	-1	-2	-2	-2	-2	-1	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	1	1	1	0	0	1	1	0	1	0	0

Figure WQ SAL 182 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	15	14	10	10	10	19	25	21	21	19	17
HWQ-08- At the Outfall	4	7	4	3	3	2	2	2	5	5	5	5
CRMS0276 - Just east of Wilkinson Canal	6	9	6	3	3	2	2	3	8	7	6	6
Barataria Waterway at Lafitte (USACE82875)	2	3	1	2	2	2	1	1	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	13	6	4	4	5	5	11	9	9	13	9
USGS7380251 Barataria Bay North of Grand Isle	24	14	8	6	5	6	10	19	14	15	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	14	5	6	7	9	8	14	9	8	11	9
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	4	4	2	2	2	2	4	3
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	23	27	25	24	22	20
HWQ14 - Lake Washington	9	0	0	0	1	0	1	4	10	1	2	1
HWQ16 - Bayou Grand Liard	21	7	8	6	5	7	10	15	15	14	12	10
CRMS 3985	1	1	0	1	2	2	1	0	0	0	0	0
CRMS 0258	13	8	6	2	2	2	3	5	9	10	10	7
CRMS 0224	16	11	7	3	3	3	4	8	11	11	12	9
CRMS 0163	5	1	0	1	0	1	2	5	14	2	1	1
CRMS 0162	13	6	11	11	9	9	10	19	27	18	10	5

V3PR6_HYST - cy 4 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	8	9	6	4	8	19	24	19	18	17	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	6	0	0	0	0	0	0	0	4	5	5	5
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	11	0	1	1	0	1	2	5	5	4	9	5
USGS7380251 Barataria Bay North of Grand Isle	20	3	2	2	0	2	8	15	10	10	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	3	1	2	1	4	6	12	5	5	8	6
USGS 07380335 - Little Lake Near Cutoff	4	1	0	0	0	1	1	1	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	29	13	14	10	8	13	23	27	23	23	20	18
HWQ14 - Lake Washington	9	0	0	0	0	0	1	4	8	1	2	1
HWQ16 - Bayou Grand Liard	20	6	7	5	4	6	9	15	13	12	11	9
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	13	3	2	1	1	1	1	4	8	7	9	6
CRMS 0224	14	2	2	1	0	1	2	5	8	7	10	7
CRMS 0163	5	1	0	1	0	2	2	4	12	2	1	1
CRMS 0162	14	6	11	10	9	9	10	19	27	17	10	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-7	-4	-4	-6	-2	-1	-1	-2	-2	-2	-2
HWQ-08- At the Outfall	-4	-7	-4	-3	-3	-2	-2	-2	-5	-5	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-1	-9	-5	-3	-3	-2	-2	-2	-4	-2	-1	-1
Barataria Waterway at Lafitte (USACE82875)	0	-3	-1	-2	-2	-2	-1	0	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-13	-6	-4	-4	-3	-3	-6	-4	-5	-4	-4
USGS7380251 Barataria Bay North of Grand Isle	-3	-11	-6	-4	-5	-3	-2	-4	-5	-5	-3	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-12	-4	-4	-6	-5	-2	-2	-3	-3	-3	-4
USGS 07380335 - Little Lake Near Cutoff	-2	-5	-1	-2	-3	-3	-1	-2	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	0	-4	-3	-3	-5	-1	0	0	-2	-2	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-2	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	0	-2	-2	-1	-1
CRMS 3985	0	-1	0	-1	-2	-2	0	0	0	0	0	0
CRMS 0258	0	-5	-4	-1	-1	-1	-2	-1	-1	-2	-1	-1
CRMS 0224	-2	-9	-6	-2	-3	-2	-2	-3	-3	-4	-2	-2
CRMS 0163	0	0	0	0	0	0	0	-1	-2	0	0	0
CRMS 0162	0	0	1	-1	0	0	0	0	0	0	0	0

Figure WQ SAL 183 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	9	6	6	5	10	16	13	16	20	19
HWQ-08- At the Outfall	4	6	4	2	2	1	1	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	7	4	2	1	1	2	1	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	10	5	3	3	3	3	5	4	5	11	11
USGS7380251 Barataria Bay North of Grand Isle	20	10	6	4	4	4	5	9	7	9	15	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	11	6	5	5	6	5	8	4	5	9	10
USGS 07380335 - Little Lake Near Cutoff	6	5	3	3	3	3	2	1	1	1	3	3
USGS073802516 Barataria Pass at Grand Isle	24	12	11	9	9	8	14	19	18	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	7	7	10	15	13
CRMS 3985	1	1	1	2	2	2	1	0	0	0	0	0
CRMS 0258	12	4	2	1	1	1	2	2	2	4	10	10
CRMS 0224	15	7	4	2	2	2	2	3	4	5	11	12
CRMS 0163	0	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	4	2	5	5	7	2	0	2	12	13	16	11

V3PR6_HYST - cy 4 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	9	1	1	0	1	1	2	10	13	15	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	2	4	6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	2	0	0	0	0	0	0	2	5	7	12	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	0	0	2	3	4	8	7
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	14	3	4	2	3	3	7	15	17	21	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	6	2	1	1	1	1	0	3	6	9	14	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	3	10	9
CRMS 0224	0	0	0	0	0	0	0	0	2	4	10	10
CRMS 0163	1	0	0	1	0	0	0	0	0	2	2	1
CRMS 0162	5	2	6	6	7	2	0	3	12	14	16	11

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-14	-10	-8	-6	-6	-5	-8	-6	-1	-1	-1	-2
HWQ-08- At the Outfall	-4	-6	-4	-2	-2	-1	-1	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-6	-7	-4	-2	-1	-1	-2	-1	-2	-1	-1	-1
Barataria Waterway at Lafitte (USACE82875)	-2	-3	-2	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-17	-10	-5	-3	-3	-3	-3	-4	-2	-2	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-19	-9	-6	-4	-4	-4	-5	-7	-2	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-15	-11	-6	-5	-5	-6	-5	-6	-1	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-5	-5	-3	-3	-3	-3	-2	-1	-1	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-10	-9	-8	-6	-6	-5	-7	-4	-1	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-9	-2	-2	-1	-1	-2	-3	-4	-1	-1	0	-1
CRMS 3985	-1	-1	-1	-2	-2	-2	-1	0	0	0	0	0
CRMS 0258	-11	-4	-2	-1	-1	-1	-2	-2	-1	-1	0	-1
CRMS 0224	-15	-7	-4	-2	-2	-2	-2	-3	-2	-1	-1	-2
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	0	0	1	1

Figure WQ SAL 184 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	19	12	6	5	3	9	17	15	17	21	14
HWQ-08- At the Outfall	5	8	5	2	1	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	6	11	7	2	1	1	2	2	4	3	6	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	15	8	4	3	3	3	7	5	5	12	10
USGS7380251 Barataria Bay North of Grand Isle	24	17	9	4	3	3	4	11	8	10	16	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	15	6	5	4	4	5	9	6	6	10	10
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	3	3	3	3	2	1	3	4
USGS073802516 Barataria Pass at Grand Isle	29	22	14	8	6	6	13	21	19	22	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	3	8	8	11	15	7
CRMS 3985	1	1	1	2	2	2	1	1	0	0	0	0
CRMS 0258	13	12	7	1	0	0	1	3	3	5	12	7
CRMS 0224	16	14	9	2	1	1	2	5	5	5	12	10
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	6	5	3	0	0	4	15	18	15	2

V3PR6_HYST - cy 4 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	18	3	0	0	0	2	15	13	17	20	4
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	6	7	1	0	0	0	0	0	1	2	5	1
Barataria Waterway at Lafitte (USACE82875)	2	1	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	12	10	1	0	0	0	0	1	3	3	9	0
USGS7380251 Barataria Bay North of Grand Isle	20	14	1	0	0	0	0	6	5	8	13	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	12	1	0	0	0	0	4	4	5	9	1
USGS 07380335 - Little Lake Near Cutoff	4	3	0	0	0	0	0	0	0	0	2	0
USGS073802516 Barataria Pass at Grand Isle	28	21	6	2	1	1	6	19	18	22	23	7
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	12	4	1	0	0	0	5	7	11	15	4
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	0
CRMS 0258	13	11	2	0	0	0	0	1	3	4	11	2
CRMS 0224	14	11	1	0	0	0	0	1	3	4	11	1
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	7	5	3	0	0	4	15	19	16	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-9	-6	-4	-3	-7	-3	-1	-1	-1	-11
HWQ-08- At the Outfall	-4	-8	-5	-2	-1	-1	-2	-2	-3	-3	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-1	-4	-6	-2	-1	-1	-2	-2	-3	-1	-1	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-4	-7	-4	-3	-3	-3	-5	-2	-3	-3	-10
USGS7380251 Barataria Bay North of Grand Isle	-3	-3	-8	-4	-3	-3	-4	-5	-2	-2	-2	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-6	-5	-4	-4	-5	-5	-2	-1	-1	-9
USGS 07380335 - Little Lake Near Cutoff	-2	-2	-2	-3	-3	-3	-3	-2	-1	-1	-1	-3
USGS073802516 Barataria Pass at Grand Isle	0	-1	-8	-6	-5	-4	-7	-2	-1	0	-1	-9
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-1	-1	-2	-1	-1	-1	-3	-3	-1	0	0	-2
CRMS 3985	0	0	-1	-2	-2	-2	-1	-1	0	0	0	0
CRMS 0258	0	-1	-5	-1	0	0	-1	-2	-1	-1	0	-5
CRMS 0224	-2	-3	-8	-2	-1	-1	-2	-4	-2	-1	-1	-9
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	1	0	0	0	0	0	0	1	1	0

Figure WQ SAL 185 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	15	9	5	4	4	8	16	13	13	20	20
HWQ-08- At the Outfall	4	6	4	2	1	1	1	2	3	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	8	5	1	1	1	2	2	3	2	4	7
Barataria Waterway at Lafitte (USACE82875)	2	2	2	2	1	1	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	12	6	3	2	2	3	6	4	4	11	11
USGS7380251 Barataria Bay North of Grand Isle	22	13	6	3	2	2	4	9	6	7	14	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	5	4	3	4	5	9	5	4	8	10
USGS 07380335 - Little Lake Near Cutoff	6	5	2	3	3	2	2	2	1	1	2	3
USGS073802516 Barataria Pass at Grand Isle	27	17	11	6	5	7	12	20	17	18	23	23
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	4	2
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	7	7	8	15	15
CRMS 3985	1	1	1	1	1	1	1	1	0	0	0	0
CRMS 0258	12	7	3	0	0	0	1	2	2	3	10	11
CRMS 0224	15	10	5	1	1	1	2	4	4	3	10	12
CRMS 0163	2	0	0	0	0	0	0	1	0	1	2	1
CRMS 0162	6	5	4	3	3	1	0	3	9	9	17	13

V3PR7_HYST - cy 4 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	7	0	0	0	0	1	11	11	11	19	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	0	0	3	5
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	3	2	0	0	0	0	0	0	1	1	8	6
USGS7380251 Barataria Bay North of Grand Isle	9	3	0	0	0	0	0	2	3	4	12	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	7	3	0	0	0	0	0	1	2	2	8	7
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	23	11	2	1	1	2	5	16	15	17	22	22
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	1	3	2
HWQ16 - Bayou Grand Liard	14	6	1	1	0	0	0	4	6	7	14	14
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	2	0	0	0	0	0	0	2	2	9	10
CRMS 0224	4	2	0	0	0	0	0	0	2	1	9	9
CRMS 0163	2	1	0	0	0	0	0	1	0	2	2	1
CRMS 0162	7	5	5	3	3	1	0	4	10	10	17	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-8	-8	-4	-4	-4	-7	-5	-2	-3	-1	-2
HWQ-08- At the Outfall	-4	-6	-4	-2	-1	-1	-1	-2	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-5	-1	-1	-1	-2	-2	-3	-2	-2	-2
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1	0	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-15	-10	-6	-3	-2	-2	-3	-6	-3	-3	-2	-5
USGS7380251 Barataria Bay North of Grand Isle	-13	-10	-6	-3	-2	-2	-4	-8	-3	-3	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-10	-10	-5	-4	-3	-4	-5	-7	-3	-2	0	-3
USGS 07380335 - Little Lake Near Cutoff	-4	-5	-2	-3	-3	-2	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-3	-6	-9	-5	-5	-5	-7	-3	-2	-2	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-4	-1	-2	-1	-1	-1	-3	-4	-1	-1	0	-1
CRMS 3985	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-7	-4	-3	0	0	0	-1	-2	-1	-1	-1	-1
CRMS 0224	-12	-8	-5	-1	-1	-1	-2	-4	-2	-2	-1	-3
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	1	2	0	0

Figure WQ SAL 186 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	12	8	5	4	6	16	21	17	19	21	17
HWQ-08- At the Outfall	4	7	4	2	1	1	2	2	4	3	5	6
CRMS0276 - Just east of Wilkinson Canal	6	8	4	1	1	1	2	2	6	5	7	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	1	2	1	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	18	11	5	3	2	3	4	9	6	7	13	11
USGS7380251 Barataria Bay North of Grand Isle	22	11	6	3	3	3	8	15	10	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	6	4	4	5	7	12	7	7	11	10
USGS 07380335 - Little Lake Near Cutoff	6	6	3	3	3	3	2	2	2	1	4	4
USGS073802516 Barataria Pass at Grand Isle	27	14	10	7	6	11	20	24	21	24	23	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	4	3	1
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	7	11	11	14	15	10
CRMS 3985	1	1	1	2	1	2	1	0	0	0	0	0
CRMS 0258	12	5	2	1	0	1	2	4	5	7	12	8
CRMS 0224	15	8	4	1	1	1	3	6	7	8	13	11
CRMS 0163	2	0	0	0	0	1	1	2	2	5	1	0
CRMS 0162	7	3	3	4	3	3	0	10	21	23	14	5

V3PR7_HYST - cy 4 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	2	0	0	0	4	14	21	16	18	19	11
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	0	0	0	0	0	0	0	3	3	4	4
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	0	0	0	0	0	1	5	4	3	10	4
USGS7380251 Barataria Bay North of Grand Isle	11	0	0	0	0	0	5	12	7	9	13	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	0	0	0	0	1	3	11	4	5	9	4
USGS 07380335 - Little Lake Near Cutoff	3	0	0	0	0	0	0	1	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	24	5	2	1	1	9	19	24	20	23	22	15
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	3	3	1
HWQ16 - Bayou Grand Liard	16	3	1	1	0	2	6	11	10	12	14	8
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	1	0	0	0	0	0	3	5	6	11	4
CRMS 0224	7	0	0	0	0	0	1	4	5	5	11	5
CRMS 0163	2	0	0	0	0	1	1	2	2	5	1	0
CRMS 0162	8	3	4	5	3	3	1	10	21	22	14	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-10	-7	-5	-4	-2	-1	0	-2	-1	-2	-6
HWQ-08- At the Outfall	-4	-7	-4	-2	-1	-1	-2	-2	-4	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-3	-8	-4	-1	-1	-1	-2	-2	-3	-2	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-3	-2	-2	-1	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-12	-11	-5	-3	-2	-3	-3	-4	-3	-4	-4	-7
USGS7380251 Barataria Bay North of Grand Isle	-11	-11	-6	-3	-3	-3	-3	-3	-3	-4	-3	-8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-12	-6	-4	-4	-4	-3	-1	-3	-2	-2	-6
USGS 07380335 - Little Lake Near Cutoff	-3	-5	-3	-3	-3	-3	-2	-1	-1	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	-3	-9	-8	-6	-5	-2	-1	0	-1	-1	-1	-5
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	-1	0	0
HWQ16 - Bayou Grand Liard	-2	-2	-2	-1	-1	-1	-1	-1	-1	-2	0	-2
CRMS 3985	0	-1	-1	-2	-1	-2	-1	0	0	0	0	0
CRMS 0258	-5	-5	-2	0	0	0	-2	-1	0	-2	-1	-3
CRMS 0224	-8	-8	-4	-1	-1	-1	-2	-2	-2	-3	-2	-6
CRMS 0163	0	0	0	0	0	0	0	0	-1	-1	0	0
CRMS 0162	1	1	1	1	0	0	0	0	0	-1	0	0

Figure WQ SAL 187 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	15	14	10	10	10	19	25	21	21	19	17
HWQ-08- At the Outfall	4	7	4	3	3	2	2	2	5	5	5	5
CRMS0276 - Just east of Wilkinson Canal	6	9	6	3	3	2	2	3	8	7	6	6
Barataria Waterway at Lafitte (USACE82875)	2	3	1	2	2	2	1	1	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	13	6	4	4	5	5	11	9	9	13	9
USGS7380251 Barataria Bay North of Grand Isle	24	14	8	6	5	6	10	19	14	15	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	14	5	6	7	9	8	14	9	8	11	9
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	4	4	2	2	2	2	4	3
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	23	27	25	24	22	20
HWQ14 - Lake Washington	9	0	0	0	1	0	1	4	10	1	2	1
HWQ16 - Bayou Grand Liard	21	7	8	6	5	7	10	15	15	14	12	10
CRMS 3985	1	1	0	1	2	2	1	0	0	0	0	0
CRMS 0258	13	8	6	2	2	2	3	5	9	10	10	7
CRMS 0224	16	11	7	3	3	3	4	8	11	11	12	9
CRMS 0163	5	1	0	1	0	1	2	5	14	2	1	1
CRMS 0162	13	6	11	11	9	9	10	19	27	18	10	5

V3PR7_HYST - cy 4 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	8	9	6	4	8	19	24	19	18	17	15
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	6	0	0	0	0	0	0	0	3	4	4	4
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	11	0	1	1	0	1	2	5	5	4	9	5
USGS7380251 Barataria Bay North of Grand Isle	20	3	2	2	0	2	8	14	9	10	12	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	3	1	1	1	4	6	12	5	5	8	6
USGS 07380335 - Little Lake Near Cutoff	4	1	0	0	0	1	1	1	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	29	13	14	10	8	13	23	27	23	23	20	18
HWQ14 - Lake Washington	9	0	0	0	0	0	1	3	8	1	2	1
HWQ16 - Bayou Grand Liard	20	6	7	5	4	6	9	14	13	12	11	10
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	13	2	2	1	1	1	1	4	7	7	8	6
CRMS 0224	13	1	2	1	0	1	2	5	8	7	10	7
CRMS 0163	5	1	0	1	0	1	2	4	11	2	1	1
CRMS 0162	13	6	12	10	10	9	10	18	27	17	10	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-7	-5	-4	-6	-2	0	-1	-2	-2	-2	-2
HWQ-08- At the Outfall	-4	-7	-4	-3	-3	-2	-2	-2	-5	-5	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-1	-9	-5	-3	-3	-2	-2	-2	-4	-3	-2	-2
Barataria Waterway at Lafitte (USACE82875)	0	-3	-1	-2	-2	-2	-1	0	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-13	-6	-4	-4	-3	-3	-7	-4	-5	-4	-4
USGS7380251 Barataria Bay North of Grand Isle	-4	-11	-6	-4	-5	-3	-2	-5	-5	-5	-3	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-12	-4	-4	-6	-5	-2	-3	-3	-3	-3	-4
USGS 07380335 - Little Lake Near Cutoff	-2	-5	-1	-2	-3	-3	-1	-2	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	0	-4	-3	-3	-5	-1	0	-1	-2	-2	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	-2	0	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	-1	-2	-2	-1	-1
CRMS 3985	0	-1	0	-1	-2	-2	0	0	0	0	0	0
CRMS 0258	0	-5	-4	-1	-1	-1	-2	-1	-2	-2	-1	-1
CRMS 0224	-2	-10	-6	-2	-3	-2	-2	-3	-4	-4	-2	-2
CRMS 0163	0	0	0	0	0	0	0	-1	-3	0	0	0
CRMS 0162	0	0	1	-1	0	0	0	0	0	0	0	0

Figure WQ SAL 188 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	9	6	6	5	10	16	13	16	20	19
HWQ-08- At the Outfall	4	6	4	2	2	1	1	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	7	4	2	1	1	2	1	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	10	5	3	3	3	3	5	4	5	11	11
USGS7380251 Barataria Bay North of Grand Isle	20	10	6	4	4	4	5	9	7	9	15	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	11	6	5	5	6	5	8	4	5	9	10
USGS 07380335 - Little Lake Near Cutoff	6	5	3	3	3	3	2	1	1	1	3	3
USGS073802516 Barataria Pass at Grand Isle	24	12	11	9	9	8	14	19	18	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	7	7	10	15	13
CRMS 3985	1	1	1	2	2	2	1	0	0	0	0	0
CRMS 0258	12	4	2	1	1	1	2	2	2	4	10	10
CRMS 0224	15	7	4	2	2	2	2	3	4	5	11	12
CRMS 0163	0	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	4	2	5	5	7	2	0	2	12	13	16	11

V3PR7_HYST - cy 4 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	9	1	1	0	1	1	2	9	13	16	19	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	2	3	5
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	2	0	0	0	0	0	0	2	5	7	12	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	2	0	0	0	0	0	0	2	3	4	8	7
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	14	3	4	2	3	3	7	15	17	21	22	20
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	6	2	1	1	1	1	0	3	7	9	14	12
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	3	9	9
CRMS 0224	0	0	0	0	0	0	0	0	2	4	10	9
CRMS 0163	1	0	0	1	0	0	0	0	0	2	2	1
CRMS 0162	5	2	6	6	7	2	0	3	12	14	17	11

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-14	-9	-8	-6	-6	-5	-8	-6	-1	-1	-2	-2
HWQ-08- At the Outfall	-4	-6	-4	-2	-2	-1	-1	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-6	-7	-4	-2	-1	-1	-2	-1	-2	-1	-2	-2
Barataria Waterway at Lafitte (USACE82875)	-2	-3	-2	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-17	-10	-5	-3	-3	-3	-3	-4	-2	-2	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-19	-9	-6	-4	-4	-4	-5	-7	-2	-2	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-15	-11	-6	-5	-5	-6	-5	-6	-1	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-5	-5	-3	-3	-3	-3	-2	-1	-1	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-10	-9	-8	-6	-6	-5	-7	-4	-1	0	-1	-2
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	0
HWQ16 - Bayou Grand Liard	-9	-2	-2	-1	-1	-2	-3	-4	0	-1	-1	-1
CRMS 3985	-1	-1	-1	-2	-2	-2	-1	0	0	0	0	0
CRMS 0258	-11	-4	-2	-1	-1	-1	-2	-2	-1	-1	-1	-2
CRMS 0224	-15	-7	-4	-2	-2	-2	-2	-3	-2	-1	-1	-3
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	0	0	1	0

Figure WQ SAL 189 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	19	12	6	5	3	9	17	15	17	21	14
HWQ-08- At the Outfall	5	8	5	2	1	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	6	11	7	2	1	1	2	2	4	3	6	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	15	8	4	3	3	3	7	5	5	12	10
USGS7380251 Barataria Bay North of Grand Isle	24	17	9	4	3	3	4	11	8	10	16	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	15	6	5	4	4	5	9	6	6	10	10
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	3	3	3	3	2	1	3	4
USGS073802516 Barataria Pass at Grand Isle	29	22	14	8	6	6	13	21	19	22	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	3	8	8	11	15	7
CRMS 3985	1	1	1	2	2	2	1	1	0	0	0	0
CRMS 0258	13	12	7	1	0	0	1	3	3	5	12	7
CRMS 0224	16	14	9	2	1	1	2	5	5	5	12	10
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	6	5	3	0	0	4	15	18	15	2

V3PR7_HYST - cy 4 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	18	3	0	0	0	2	15	14	16	19	4
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	6	5	1	0	0	0	0	0	1	2	4	0
Barataria Waterway at Lafitte (USACE82875)	2	1	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	12	10	1	0	0	0	0	1	3	3	9	0
USGS7380251 Barataria Bay North of Grand Isle	20	14	1	0	0	0	0	6	5	8	13	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	12	1	0	0	0	0	4	4	5	9	1
USGS 07380335 - Little Lake Near Cutoff	4	3	0	0	0	0	0	0	0	0	2	0
USGS073802516 Barataria Pass at Grand Isle	28	21	6	2	1	1	6	19	18	22	22	7
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	3	0
HWQ16 - Bayou Grand Liard	20	12	5	1	0	0	0	5	7	10	15	4
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	0
CRMS 0258	13	10	2	0	0	0	0	1	3	4	11	2
CRMS 0224	14	11	1	0	0	0	0	1	3	4	11	1
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	7	5	2	1	0	4	15	17	16	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-9	-6	-4	-3	-7	-2	-1	-1	-2	-11
HWQ-08- At the Outfall	-4	-8	-5	-2	-1	-1	-2	-2	-3	-3	-4	-5
CRMS0276 - Just east of Wilkinson Canal	-1	-5	-7	-2	-1	-1	-2	-2	-3	-2	-2	-7
Barataria Waterway at Lafitte (USACE82875)	0	-1	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-5	-7	-4	-3	-3	-3	-5	-2	-3	-3	-10
USGS7380251 Barataria Bay North of Grand Isle	-3	-3	-8	-4	-3	-3	-4	-5	-2	-2	-3	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-6	-5	-4	-4	-5	-5	-2	-1	-1	-9
USGS 07380335 - Little Lake Near Cutoff	-2	-2	-2	-3	-3	-3	-3	-2	-1	-1	-1	-3
USGS073802516 Barataria Pass at Grand Isle	0	-1	-8	-7	-5	-4	-7	-2	-1	0	-1	-9
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	-1	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-3	-3	-1	-1	-1	-2
CRMS 3985	0	0	-1	-2	-2	-2	-1	-1	0	0	0	0
CRMS 0258	0	-1	-5	-1	0	0	-1	-2	0	-1	-1	-5
CRMS 0224	-2	-3	-8	-2	-1	-1	-2	-4	-2	-1	-1	-9
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	1	0	0	0	0	0	0	0	1	1

Figure WQ SAL 190 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	15	9	5	4	4	8	16	13	13	20	20
HWQ-08- At the Outfall	4	6	4	2	1	1	1	2	3	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	8	5	1	1	1	2	2	3	2	4	7
Barataria Waterway at Lafitte (USACE82875)	2	2	2	2	1	1	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	12	6	3	2	2	3	6	4	4	11	11
USGS7380251 Barataria Bay North of Grand Isle	22	13	6	3	2	2	4	9	6	7	14	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	5	4	3	4	5	9	5	4	8	10
USGS 07380335 - Little Lake Near Cutoff	6	5	2	3	3	2	2	2	1	1	2	3
USGS073802516 Barataria Pass at Grand Isle	27	17	11	6	5	7	12	20	17	18	23	23
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	4	2
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	7	7	8	15	15
CRMS 3985	1	1	1	1	1	1	1	1	0	0	0	0
CRMS 0258	12	7	3	0	0	0	1	2	2	3	10	11
CRMS 0224	15	10	5	1	1	1	2	4	4	3	10	12
CRMS 0163	2	0	0	0	0	0	0	1	0	1	2	1
CRMS 0162	6	5	4	3	3	1	0	3	9	9	17	13

V3PR8_HYST - cy 4 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	8	1	0	0	0	1	11	12	11	20	19
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	0	0	0	0	0	0	0	0	0	3	6
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	2	2	0	0	0	0	0	0	1	1	9	6
USGS7380251 Barataria Bay North of Grand Isle	9	3	0	0	0	0	0	2	4	4	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	6	2	0	0	0	0	0	1	2	2	8	7
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	24	11	2	1	1	2	5	16	16	17	23	22
HWQ14 - Lake Washington	5	1	0	0	0	0	0	1	0	1	3	2
HWQ16 - Bayou Grand Liard	15	7	2	1	0	0	0	4	7	8	16	16
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	5	3	0	0	0	0	0	0	2	2	10	11
CRMS 0224	4	3	0	0	0	0	0	0	2	1	10	10
CRMS 0163	2	0	0	0	0	0	0	1	0	2	2	1
CRMS 0162	7	5	5	3	3	1	0	4	10	10	17	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-5	-7	-8	-4	-4	-4	-7	-5	-1	-2	0	-1
HWQ-08- At the Outfall	-4	-6	-4	-2	-1	-1	-1	-2	-3	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-5	-1	-1	-1	-2	-2	-3	-2	-2	-1
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-2	-1	-1	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-15	-10	-6	-3	-2	-2	-3	-6	-3	-3	-2	-5
USGS7380251 Barataria Bay North of Grand Isle	-13	-9	-6	-3	-2	-2	-4	-8	-2	-3	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-10	-10	-5	-4	-3	-4	-5	-7	-3	-2	0	-3
USGS 07380335 - Little Lake Near Cutoff	-4	-5	-2	-3	-3	-2	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-3	-6	-9	-5	-5	-5	-7	-3	-1	-1	0	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	-1	0
HWQ16 - Bayou Grand Liard	-3	0	-1	-1	0	-1	-3	-3	0	0	1	1
CRMS 3985	0	-1	-1	-1	-1	-1	-1	-1	0	0	0	0
CRMS 0258	-7	-4	-3	0	0	0	-1	-2	0	-1	0	0
CRMS 0224	-12	-7	-5	-1	-1	-1	-2	-4	-2	-2	0	-2
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	1	2	0	0

Figure WQ SAL 191 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	12	8	5	4	6	16	21	17	19	21	17
HWQ-08- At the Outfall	4	7	4	2	1	1	2	2	4	3	5	6
CRMS0276 - Just east of Wilkinson Canal	6	8	4	1	1	1	2	2	6	5	7	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	1	2	1	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	18	11	5	3	2	3	4	9	6	7	13	11
USGS7380251 Barataria Bay North of Grand Isle	22	11	6	3	3	3	8	15	10	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	6	4	4	5	7	12	7	7	11	10
USGS 07380335 - Little Lake Near Cutoff	6	6	3	3	3	3	2	2	2	1	4	4
USGS073802516 Barataria Pass at Grand Isle	27	14	10	7	6	11	20	24	21	24	23	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	4	3	1
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	7	11	11	14	15	10
CRMS 3985	1	1	1	2	1	2	1	0	0	0	0	0
CRMS 0258	12	5	2	1	0	1	2	4	5	7	12	8
CRMS 0224	15	8	4	1	1	1	3	6	7	8	13	11
CRMS 0163	2	0	0	0	0	1	1	2	2	5	1	0
CRMS 0162	7	3	3	4	3	3	0	10	21	23	14	5

V3PR8_HYST - cy 4 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	21	2	0	0	0	4	15	21	17	19	20	12
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	0	0	0	0	0	0	0	3	4	5	6
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	6	0	0	0	0	0	1	5	4	3	10	4
USGS7380251 Barataria Bay North of Grand Isle	11	0	0	0	0	0	5	13	8	9	14	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	0	0	0	0	1	3	11	5	5	9	4
USGS 07380335 - Little Lake Near Cutoff	3	0	0	0	0	0	0	1	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	24	5	2	1	1	9	19	24	20	23	22	15
HWQ14 - Lake Washington	6	0	0	0	0	0	1	2	1	2	2	1
HWQ16 - Bayou Grand Liard	17	3	1	1	0	3	6	11	11	13	16	9
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	1	0	0	0	0	0	3	6	6	12	5
CRMS 0224	7	0	0	0	0	0	1	4	6	6	12	5
CRMS 0163	2	0	0	0	0	1	1	2	2	4	1	0
CRMS 0162	8	3	4	5	3	4	1	10	21	21	14	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-10	-7	-5	-4	-2	-1	0	-1	-1	-1	-5
HWQ-08- At the Outfall	-4	-7	-4	-2	-1	-1	-2	-2	-4	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-3	-8	-4	-1	-1	-1	-2	-2	-3	-1	-1	-2
Barataria Waterway at Lafitte (USACE82875)	-1	-3	-2	-2	-1	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-12	-11	-5	-3	-2	-3	-4	-4	-2	-4	-4	-7
USGS7380251 Barataria Bay North of Grand Isle	-11	-11	-6	-3	-3	-3	-3	-2	-2	-3	-3	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-12	-6	-4	-4	-4	-3	-1	-2	-2	-2	-6
USGS 07380335 - Little Lake Near Cutoff	-3	-6	-3	-3	-3	-3	-2	-1	-1	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	-3	-9	-8	-6	-5	-2	-1	0	-1	-1	-1	-4
HWQ14 - Lake Washington	0	0	0	0	0	0	0	1	0	-1	-1	0
HWQ16 - Bayou Grand Liard	-1	-1	-1	-1	-1	-1	-1	0	0	-1	1	-1
CRMS 3985	0	-1	-1	-2	-1	-2	-1	0	0	0	0	0
CRMS 0258	-5	-4	-2	0	0	0	-2	-1	0	-1	0	-3
CRMS 0224	-8	-8	-4	-1	-1	-1	-2	-2	-1	-2	-1	-5
CRMS 0163	1	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	1	0	1	1	0	0	0	0	0	-2	0	0

Figure WQ SAL 192 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	15	14	10	10	10	19	25	21	21	19	17
HWQ-08- At the Outfall	4	7	4	3	3	2	2	2	5	5	5	5
CRMS0276 - Just east of Wilkinson Canal	6	9	6	3	3	2	2	3	8	7	6	6
Barataria Waterway at Lafitte (USACE82875)	2	3	1	2	2	2	1	1	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	13	6	4	4	5	5	11	9	9	13	9
USGS7380251 Barataria Bay North of Grand Isle	24	14	8	6	5	6	10	19	14	15	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	14	5	6	7	9	8	14	9	8	11	9
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	4	4	2	2	2	2	4	3
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	23	27	25	24	22	20
HWQ14 - Lake Washington	9	0	0	0	1	0	1	4	10	1	2	1
HWQ16 - Bayou Grand Liard	21	7	8	6	5	7	10	15	15	14	12	10
CRMS 3985	1	1	0	1	2	2	1	0	0	0	0	0
CRMS 0258	13	8	6	2	2	2	3	5	9	10	10	7
CRMS 0224	16	11	7	3	3	3	4	8	11	11	12	9
CRMS 0163	5	1	0	1	0	1	2	5	14	2	1	1
CRMS 0162	13	6	11	11	9	9	10	19	27	18	10	5

V3PR8_HYST - cy 4 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	9	10	6	4	8	19	24	20	19	18	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	6	0	0	0	0	0	0	0	3	6	5	6
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	11	0	1	1	0	1	2	5	5	4	9	5
USGS7380251 Barataria Bay North of Grand Isle	20	3	2	2	0	3	8	15	10	10	13	9
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	3	1	1	1	4	6	12	5	5	9	6
USGS 07380335 - Little Lake Near Cutoff	4	1	0	0	0	1	1	1	1	0	2	1
USGS073802516 Barataria Pass at Grand Isle	29	14	14	10	8	14	23	27	23	23	20	19
HWQ14 - Lake Washington	9	1	0	0	0	0	2	5	7	1	1	1
HWQ16 - Bayou Grand Liard	21	7	8	6	5	7	9	15	14	13	13	11
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	13	3	3	1	1	1	2	4	9	8	9	6
CRMS 0224	14	1	2	1	1	1	2	5	8	8	11	8
CRMS 0163	5	1	0	1	0	1	2	4	11	2	1	1
CRMS 0162	14	7	11	9	9	9	9	18	27	17	10	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-7	-4	-3	-5	-2	0	-1	-2	-1	-1	-1
HWQ-08- At the Outfall	-4	-7	-4	-3	-3	-2	-2	-2	-5	-5	-4	-5
CRMS0276 - Just east of Wilkinson Canal	0	-9	-5	-3	-3	-2	-2	-2	-4	-2	-1	-1
Barataria Waterway at Lafitte (USACE82875)	0	-3	-1	-2	-2	-2	-1	0	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-13	-6	-4	-4	-3	-3	-7	-4	-5	-4	-4
USGS7380251 Barataria Bay North of Grand Isle	-4	-11	-6	-4	-5	-3	-2	-4	-4	-4	-3	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-12	-4	-4	-6	-5	-2	-3	-3	-3	-3	-3
USGS 07380335 - Little Lake Near Cutoff	-2	-5	-1	-2	-4	-3	-1	-2	-1	-1	-2	-2
USGS073802516 Barataria Pass at Grand Isle	0	-4	-3	-3	-4	-1	0	0	-2	-1	-1	-1
HWQ14 - Lake Washington	0	1	0	0	0	0	1	2	-3	0	-1	0
HWQ16 - Bayou Grand Liard	0	0	0	0	0	0	-1	0	-1	0	1	0
CRMS 3985	0	-1	0	-1	-2	-2	0	0	0	0	0	0
CRMS 0258	0	-5	-3	-1	-1	-1	-2	-1	-1	-1	0	0
CRMS 0224	-2	-10	-6	-2	-3	-2	-2	-3	-3	-3	-1	-2
CRMS 0163	0	0	0	0	0	0	0	-1	-3	0	0	0
CRMS 0162	0	1	0	-2	-1	0	0	0	0	-1	0	0

Figure WQ SAL 193 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	9	6	6	5	10	16	13	16	20	19
HWQ-08- At the Outfall	4	6	4	2	2	1	1	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	7	4	2	1	1	2	1	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	10	5	3	3	3	3	5	4	5	11	11
USGS7380251 Barataria Bay North of Grand Isle	20	10	6	4	4	4	5	9	7	9	15	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	11	6	5	5	6	5	8	4	5	9	10
USGS 07380335 - Little Lake Near Cutoff	6	5	3	3	3	3	2	1	1	1	3	3
USGS073802516 Barataria Pass at Grand Isle	24	12	11	9	9	8	14	19	18	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	7	7	10	15	13
CRMS 3985	1	1	1	2	2	2	1	0	0	0	0	0
CRMS 0258	12	4	2	1	1	1	2	2	2	4	10	10
CRMS 0224	15	7	4	2	2	2	2	3	4	5	11	12
CRMS 0163	0	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	4	2	5	5	7	2	0	2	12	13	16	11

V3PR8_HYST - cy 4 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	9	1	1	0	1	1	2	10	13	16	19	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	2	4	6
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	0	2	3	9	6
USGS7380251 Barataria Bay North of Grand Isle	2	0	0	0	0	0	0	2	5	7	13	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	1	0	0	0	0	0	0	2	3	4	8	7
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	14	3	4	2	3	3	7	15	17	21	22	21
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	7	2	2	2	2	1	0	3	8	10	15	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	4	11	10
CRMS 0224	0	0	0	0	0	0	0	0	3	4	11	10
CRMS 0163	1	0	0	1	0	0	0	1	1	2	2	1
CRMS 0162	5	2	6	6	7	2	0	3	12	13	17	11

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-14	-9	-8	-6	-6	-4	-8	-6	0	0	-1	-1
HWQ-08- At the Outfall	-4	-6	-4	-2	-2	-1	-1	-1	-2	-2	-3	-5
CRMS0276 - Just east of Wilkinson Canal	-6	-7	-4	-2	-1	-1	-2	-1	-2	-1	-1	-1
Barataria Waterway at Lafitte (USACE82875)	-2	-3	-2	-2	-2	-2	-1	0	0	0	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-17	-10	-5	-3	-3	-3	-3	-4	-1	-2	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-19	-9	-6	-4	-4	-4	-5	-7	-2	-2	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-15	-11	-6	-5	-5	-6	-5	-6	-1	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-5	-5	-3	-3	-3	-3	-2	-1	-1	0	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-10	-9	-8	-6	-6	-5	-7	-4	0	0	-1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	-1	0
HWQ16 - Bayou Grand Liard	-8	-1	-2	-1	-1	-1	-3	-3	0	0	1	0
CRMS 3985	-1	-1	-1	-2	-2	-2	-1	0	0	0	0	0
CRMS 0258	-11	-4	-2	-1	-1	-1	-2	-2	0	0	0	-1
CRMS 0224	-15	-7	-4	-2	-2	-2	-2	-3	-1	-1	0	-2
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	0	0	0	0	0	0	1	0

Figure WQ SAL 194 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	19	12	6	5	3	9	17	15	17	21	14
HWQ-08- At the Outfall	5	8	5	2	1	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	6	11	7	2	1	1	2	2	4	3	6	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	15	8	4	3	3	3	7	5	5	12	10
USGS7380251 Barataria Bay North of Grand Isle	24	17	9	4	3	3	4	11	8	10	16	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	15	6	5	4	4	5	9	6	6	10	10
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	3	3	3	3	2	1	3	4
USGS073802516 Barataria Pass at Grand Isle	29	22	14	8	6	6	13	21	19	22	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	3	8	8	11	15	7
CRMS 3985	1	1	1	2	2	2	1	1	0	0	0	0
CRMS 0258	13	12	7	1	0	0	1	3	3	5	12	7
CRMS 0224	16	14	9	2	1	1	2	5	5	5	12	10
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	6	5	3	0	0	4	15	18	15	2

V3PR8_HYST - cy 4 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	18	3	0	0	0	2	15	14	16	20	4
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	6	7	1	0	0	0	0	0	1	2	4	1
Barataria Waterway at Lafitte (USACE82875)	2	1	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	12	11	0	0	0	0	0	1	3	3	9	0
USGS7380251 Barataria Bay North of Grand Isle	20	14	1	0	0	0	0	6	6	7	14	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	12	1	0	0	0	0	4	4	4	8	1
USGS 07380335 - Little Lake Near Cutoff	4	3	0	0	0	0	0	0	0	0	2	0
USGS073802516 Barataria Pass at Grand Isle	28	21	6	2	1	1	6	19	18	21	23	7
HWQ14 - Lake Washington	8	2	0	0	0	0	0	1	0	1	3	1
HWQ16 - Bayou Grand Liard	21	13	6	1	0	0	0	6	8	11	16	5
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	0
CRMS 0258	13	11	2	0	0	0	0	1	3	4	11	2
CRMS 0224	14	12	1	0	0	0	0	1	4	4	11	1
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	7	5	3	0	0	4	15	18	15	3

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-1	-9	-6	-4	-3	-7	-2	-1	-1	-1	-11
HWQ-08- At the Outfall	-4	-8	-5	-2	-1	-1	-2	-2	-3	-3	-4	-5
CRMS0276 - Just east of Wilkinson Canal	0	-4	-6	-2	-1	-1	-2	-2	-3	-1	-1	-6
Barataria Waterway at Lafitte (USACE82875)	0	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-4	-7	-4	-3	-3	-3	-5	-2	-3	-3	-10
USGS7380251 Barataria Bay North of Grand Isle	-3	-2	-8	-4	-3	-3	-4	-5	-2	-3	-2	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-6	-5	-4	-4	-5	-5	-2	-1	-2	-9
USGS 07380335 - Little Lake Near Cutoff	-2	-2	-2	-3	-3	-3	-3	-2	-1	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	0	-1	-8	-7	-5	-4	-7	-1	-1	-1	-1	-9
HWQ14 - Lake Washington	0	1	0	0	0	0	0	0	0	0	-1	0
HWQ16 - Bayou Grand Liard	0	1	0	-1	-1	-1	-3	-2	0	0	1	-2
CRMS 3985	0	0	-1	-2	-2	-2	-1	-1	0	0	0	0
CRMS 0258	0	0	-5	-1	0	0	-1	-2	0	-1	0	-5
CRMS 0224	-2	-2	-8	-2	-1	-1	-2	-3	-1	-1	-1	-9
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	-1	1	0	0	0	0	0	0	0	1	1

Figure WQ SAL 195 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 4 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	15	9	5	4	4	8	16	13	13	20	20
HWQ-08- At the Outfall	4	6	4	2	1	1	1	2	3	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	8	5	1	1	1	2	2	3	2	4	7
Barataria Waterway at Lafitte (USACE82875)	2	2	2	2	1	1	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	12	6	3	2	2	3	6	4	4	11	11
USGS7380251 Barataria Bay North of Grand Isle	22	13	6	3	2	2	4	9	6	7	14	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	5	4	3	4	5	9	5	4	8	10
USGS 07380335 - Little Lake Near Cutoff	6	5	2	3	3	2	2	2	1	1	2	3
USGS073802516 Barataria Pass at Grand Isle	27	17	11	6	5	7	12	20	17	18	23	23
HWQ14 - Lake Washington	5	0	0	0	0	0	0	0	0	0	4	2
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	7	7	8	15	15
CRMS 3985	1	1	1	1	1	1	1	1	0	0	0	0
CRMS 0258	12	7	3	0	0	0	1	2	2	3	10	11
CRMS 0224	15	10	5	1	1	1	2	4	4	3	10	12
CRMS 0163	2	0	0	0	0	0	0	1	0	1	2	1
CRMS 0162	6	5	4	3	3	1	0	3	9	9	17	13

V3PR9_HYST - cy 4 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	16	10	5	4	5	9	17	14	15	21	21
HWQ-08- At the Outfall	4	7	4	2	1	1	2	2	3	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	9	5	2	1	1	2	2	4	3	5	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	1	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	13	6	3	2	3	3	6	5	4	11	12
USGS7380251 Barataria Bay North of Grand Isle	22	14	7	4	3	3	4	10	7	8	15	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	6	4	4	4	5	9	5	5	9	10
USGS 07380335 - Little Lake Near Cutoff	6	5	2	3	3	2	2	2	1	1	3	3
USGS073802516 Barataria Pass at Grand Isle	27	18	12	7	6	8	13	20	18	19	23	24
HWQ14 - Lake Washington	6	1	0	0	0	0	0	1	0	1	3	3
HWQ16 - Bayou Grand Liard	19	9	4	2	1	2	4	8	8	10	16	17
CRMS 3985	1	1	1	2	1	1	1	1	0	0	0	0
CRMS 0258	12	8	4	1	0	0	1	3	3	3	11	12
CRMS 0224	15	11	6	2	1	1	2	5	5	4	11	13
CRMS 0163	2	0	0	0	0	0	0	1	0	2	2	1
CRMS 0162	7	4	4	3	3	1	0	3	10	10	16	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	1	1	2	1	1
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	1	1	0	0	0	0	0	1	1	1	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	1	1	0	0	0	0	0	1	1	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	0	0	0	1	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	0	0	0	0	1	1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	1	1	1	1	1	0	0
HWQ14 - Lake Washington	0	1	0	0	0	0	0	0	0	0	0	1
HWQ16 - Bayou Grand Liard	1	2	1	1	0	1	1	1	1	2	2	2
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	2	1	0	0	0	0	0	1	1	1	1
CRMS 0224	0	1	1	0	0	0	0	0	1	1	1	1
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	2	-1	0

Figure WQ SAL 196 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve

V3PR1_HYST - cy 4 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	12	8	5	4	6	16	21	17	19	21	17
HWQ-08- At the Outfall	4	7	4	2	1	1	2	2	4	3	5	6
CRMS0276 - Just east of Wilkinson Canal	6	8	4	1	1	1	2	2	6	5	7	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	1	2	1	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	18	11	5	3	2	3	4	9	6	7	13	11
USGS7380251 Barataria Bay North of Grand Isle	22	11	6	3	3	3	8	15	10	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	6	4	4	5	7	12	7	7	11	10
USGS 07380335 - Little Lake Near Cutoff	6	6	3	3	3	3	2	2	2	1	4	4
USGS073802516 Barataria Pass at Grand Isle	27	14	10	7	6	11	20	24	21	24	23	20
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	1	4	3	1
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	7	11	11	14	15	10
CRMS 3985	1	1	1	2	1	2	1	0	0	0	0	0
CRMS 0258	12	5	2	1	0	1	2	4	5	7	12	8
CRMS 0224	15	8	4	1	1	1	3	6	7	8	13	11
CRMS 0163	2	0	0	0	0	1	1	2	2	5	1	0
CRMS 0162	7	3	3	4	3	3	0	10	21	23	14	5

V3PR9_HYST - cy 4 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	8	6	5	7	16	22	18	20	22	18
HWQ-08- At the Outfall	4	7	4	2	1	1	2	2	4	4	5	6
CRMS0276 - Just east of Wilkinson Canal	6	8	5	2	1	1	2	2	6	6	7	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	18	12	6	3	3	3	4	8	7	8	14	12
USGS7380251 Barataria Bay North of Grand Isle	22	12	6	4	3	3	8	15	11	13	18	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	13	6	4	4	5	6	12	7	7	12	11
USGS 07380335 - Little Lake Near Cutoff	6	5	3	3	3	3	2	2	1	1	4	4
USGS073802516 Barataria Pass at Grand Isle	27	15	10	8	7	11	20	24	22	24	24	20
HWQ14 - Lake Washington	6	0	0	0	0	0	1	3	2	4	3	1
HWQ16 - Bayou Grand Liard	19	6	4	3	2	4	8	12	13	15	17	12
CRMS 3985	1	1	1	2	1	2	1	0	0	0	0	0
CRMS 0258	12	7	3	1	1	1	2	4	7	9	14	9
CRMS 0224	15	10	5	2	1	2	3	6	9	9	14	12
CRMS 0163	2	0	0	0	0	1	1	2	3	6	2	0
CRMS 0162	7	3	3	4	3	4	0	10	21	23	14	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	0	1	0	0	1	1	1	1
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	0	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	1	0	0	0	0	0	0	1	1	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	0	0	0	0	0	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	0	0	0	0	0	1
USGS 07380335 - Little Lake Near Cutoff	0	-1	-1	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	1	0	0	0	1	0	1	1
HWQ14 - Lake Washington	1	0	0	0	0	0	1	2	1	0	0	0
HWQ16 - Bayou Grand Liard	1	2	1	1	0	1	1	1	2	2	2	2
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	1	1	0	0	0	0	0	2	1	1	1
CRMS 0224	0	1	1	0	0	0	0	0	1	1	1	1
CRMS 0163	1	0	0	0	0	0	0	0	0	1	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	0

Figure WQ SAL 197 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve

V3PR1_HYST - cy 4 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	15	14	10	10	10	19	25	21	21	19	17
HWQ-08- At the Outfall	4	7	4	3	3	2	2	2	5	5	5	5
CRMS0276 - Just east of Wilkinson Canal	6	9	6	3	3	2	2	3	8	7	6	6
Barataria Waterway at Lafitte (USACE82875)	2	3	1	2	2	2	1	1	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	13	6	4	4	5	5	11	9	9	13	9
USGS7380251 Barataria Bay North of Grand Isle	24	14	8	6	5	6	10	19	14	15	15	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	14	5	6	7	9	8	14	9	8	11	9
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	4	4	2	2	2	2	4	3
USGS073802516 Barataria Pass at Grand Isle	29	18	17	13	13	15	23	27	25	24	22	20
HWQ14 - Lake Washington	9	0	0	0	1	0	1	4	10	1	2	1
HWQ16 - Bayou Grand Liard	21	7	8	6	5	7	10	15	15	14	12	10
CRMS 3985	1	1	0	1	2	2	1	0	0	0	0	0
CRMS 0258	13	8	6	2	2	2	3	5	9	10	10	7
CRMS 0224	16	11	7	3	3	3	4	8	11	11	12	9
CRMS 0163	5	1	0	1	0	1	2	5	14	2	1	1
CRMS 0162	13	6	11	11	9	9	10	19	27	18	10	5

V3PR9_HYST - cy 4 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	17	15	11	10	10	19	25	22	21	20	18
HWQ-08- At the Outfall	4	7	5	4	3	3	2	2	5	5	5	5
CRMS0276 - Just east of Wilkinson Canal	6	10	6	4	3	3	2	3	8	7	7	7
Barataria Waterway at Lafitte (USACE82875)	2	3	1	2	2	2	1	1	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	14	7	5	4	5	5	11	9	10	14	10
USGS7380251 Barataria Bay North of Grand Isle	24	15	9	6	5	6	10	19	14	15	16	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	15	6	6	6	9	7	14	9	9	12	10
USGS 07380335 - Little Lake Near Cutoff	6	6	2	2	3	3	2	2	2	2	4	3
USGS073802516 Barataria Pass at Grand Isle	29	19	18	13	13	15	23	27	25	25	22	20
HWQ14 - Lake Washington	9	1	0	0	0	0	3	7	9	2	2	1
HWQ16 - Bayou Grand Liard	22	9	10	7	6	8	10	16	17	16	14	12
CRMS 3985	1	1	0	1	1	2	1	0	0	0	0	0
CRMS 0258	13	9	7	3	3	3	3	5	11	11	11	8
CRMS 0224	16	13	8	4	4	4	4	8	12	12	13	10
CRMS 0163	5	1	0	1	0	2	2	5	13	2	1	1
CRMS 0162	13	7	11	10	9	10	10	18	28	18	10	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	0	0	0	1	1	1
HWQ-08- At the Outfall	0	0	0	1	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	1	1	1	1	0	0	0	0	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	1	1	1	0	0	0	0	0	0	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	0	0	0	0	0	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	0	0	-1	0	0	0	0	1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	-1	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	1	1	1	0	0	0	0	0	0	1	0
HWQ14 - Lake Washington	1	1	0	0	0	0	2	3	-1	1	0	0
HWQ16 - Bayou Grand Liard	1	2	2	1	1	1	1	1	1	2	2	2
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	2	2	1	1	1	0	0	2	1	1	1
CRMS 0224	0	2	1	1	1	0	0	0	1	1	1	1
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	-1	0	1	0	0	0	0	0	0

Figure WQ SAL 198 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve

V3PR1_HYST - cy 4 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	10	9	6	6	5	10	16	13	16	20	19
HWQ-08- At the Outfall	4	6	4	2	2	1	1	1	2	2	3	5
CRMS0276 - Just east of Wilkinson Canal	6	7	4	2	1	1	2	1	3	3	5	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	10	5	3	3	3	3	5	4	5	11	11
USGS7380251 Barataria Bay North of Grand Isle	20	10	6	4	4	4	5	9	7	9	15	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	11	6	5	5	6	5	8	4	5	9	10
USGS 07380335 - Little Lake Near Cutoff	6	5	3	3	3	3	2	1	1	1	3	3
USGS073802516 Barataria Pass at Grand Isle	24	12	11	9	9	8	14	19	18	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	0	0	1	3	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	7	7	10	15	13
CRMS 3985	1	1	1	2	2	2	1	0	0	0	0	0
CRMS 0258	12	4	2	1	1	1	2	2	2	4	10	10
CRMS 0224	15	7	4	2	2	2	2	3	4	5	11	12
CRMS 0163	0	0	0	0	0	0	0	0	0	2	2	1
CRMS 0162	4	2	5	5	7	2	0	2	12	13	16	11

V3PR9_HYST - cy 4 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	11	10	7	7	6	11	17	15	17	21	20
HWQ-08- At the Outfall	4	6	4	2	2	2	2	1	2	2	4	5
CRMS0276 - Just east of Wilkinson Canal	6	8	4	2	2	1	2	1	4	3	5	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	17	11	6	4	3	4	3	5	4	5	12	12
USGS7380251 Barataria Bay North of Grand Isle	21	11	7	4	4	4	5	10	7	9	16	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	12	6	5	5	6	5	8	5	5	10	10
USGS 07380335 - Little Lake Near Cutoff	6	5	3	3	3	3	2	1	1	1	3	3
USGS073802516 Barataria Pass at Grand Isle	24	13	12	9	10	9	15	20	18	21	23	22
HWQ14 - Lake Washington	3	0	0	0	0	0	0	1	0	1	3	2
HWQ16 - Bayou Grand Liard	17	4	5	3	3	3	5	8	9	11	16	15
CRMS 3985	1	1	1	2	2	2	1	0	0	0	0	0
CRMS 0258	12	5	2	1	1	1	2	2	3	5	11	12
CRMS 0224	15	8	4	2	2	2	3	4	5	6	12	13
CRMS 0163	1	0	0	0	0	0	0	1	1	2	2	1
CRMS 0162	4	2	5	5	7	2	0	2	12	14	16	12

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	1	1	1	1	0	1	1
HWQ-08- At the Outfall	0	0	0	1	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	1	1	1	1	0	0	0	1	0	0	0
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	1	1	0	0	0	0	0	1	0	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	0	0	0	1	1	0	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	1	0	0	0	0	0	0	0	0	0	1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	1	1	1	1	1	1	1	1	1	0	0	0
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	0	0	0	1
HWQ16 - Bayou Grand Liard	1	1	1	1	1	1	1	1	1	1	2	2
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	1	1	0	0	0	0	0	1	1	1	1
CRMS 0224	0	1	1	1	1	0	0	0	1	1	1	1
CRMS 0163	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	0	0	1

Figure WQ SAL 199 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve

V3PR1_HYST - cy 4 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	27	19	12	6	5	3	9	17	15	17	21	14
HWQ-08- At the Outfall	5	8	5	2	1	1	2	2	3	3	4	5
CRMS0276 - Just east of Wilkinson Canal	6	11	7	2	1	1	2	2	4	3	6	7
Barataria Waterway at Lafitte (USACE82875)	2	3	2	2	2	2	1	1	1	1	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	15	8	4	3	3	3	7	5	5	12	10
USGS7380251 Barataria Bay North of Grand Isle	24	17	9	4	3	3	4	11	8	10	16	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	15	6	5	4	4	5	9	6	6	10	10
USGS 07380335 - Little Lake Near Cutoff	6	6	2	3	3	3	3	3	2	1	3	4
USGS073802516 Barataria Pass at Grand Isle	29	22	14	8	6	6	13	21	19	22	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	0	0	1	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	3	8	8	11	15	7
CRMS 3985	1	1	1	2	2	2	1	1	0	0	0	0
CRMS 0258	13	12	7	1	0	0	1	3	3	5	12	7
CRMS 0224	16	14	9	2	1	1	2	5	5	5	12	10
CRMS 0163	4	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	6	5	3	0	0	4	15	18	15	2

V3PR9_HYST - cy 4 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	20	13	7	5	4	10	18	16	18	22	16
HWQ-08- At the Outfall	5	8	5	3	2	1	2	2	3	3	4	6
CRMS0276 - Just east of Wilkinson Canal	6	11	8	2	1	1	2	2	5	4	6	8
Barataria Waterway at Lafitte (USACE82875)	2	3	2	3	2	2	2	1	1	1	1	2
USGS2928590900040000 Barataria Waterway South of Lafitte	18	15	9	4	3	3	4	7	5	6	13	12
USGS7380251 Barataria Bay North of Grand Isle	24	17	10	5	4	3	5	11	8	11	17	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	17	15	7	5	5	5	5	10	6	6	11	11
USGS 07380335 - Little Lake Near Cutoff	6	5	2	3	3	3	3	2	2	1	3	4
USGS073802516 Barataria Pass at Grand Isle	29	22	15	9	7	6	14	21	19	23	24	18
HWQ14 - Lake Washington	8	2	0	0	0	0	0	1	1	2	4	1
HWQ16 - Bayou Grand Liard	21	14	8	3	2	1	4	9	9	13	17	9
CRMS 3985	1	1	1	2	2	2	1	1	1	0	0	0
CRMS 0258	13	13	8	1	1	0	2	3	4	6	13	8
CRMS 0224	16	16	10	2	2	1	3	5	6	6	13	12
CRMS 0163	5	2	0	0	0	0	0	1	1	3	2	0
CRMS 0162	12	15	6	5	3	1	0	3	15	19	15	2

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	1	1	1	1	0	1	1	1	1	1	1
HWQ-08- At the Outfall	0	0	0	1	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	0	0	0	0	1	1	1	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	0	0
USGS2928590900040000 Barataria Waterway South of Lafitte	0	1	1	1	0	0	0	0	1	1	1	1
USGS7380251 Barataria Bay North of Grand Isle	0	1	1	1	0	0	0	0	1	1	1	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	1	0	1	0	0	0	0	0	1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	0	0
USGS073802516 Barataria Pass at Grand Isle	0	0	1	1	1	0	1	0	1	1	1	1
HWQ14 - Lake Washington	0	1	0	0	0	0	0	1	0	1	0	0
HWQ16 - Bayou Grand Liard	1	2	2	1	1	0	1	1	1	2	2	2
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	2	1	0	0	0	0	0	1	1	2	2
CRMS 0224	0	1	1	1	0	0	0	0	1	1	1	2
CRMS 0163	1	0	0	0	0	0	0	0	0	1	0	0
CRMS 0162	0	0	0	0	0	0	0	0	0	1	0	0

Figure WQ SAL 200 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve

V3PR1_HYST - cy 5 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	16	9	5	4	4	10	18	15	16	20	21
HWQ-08- At the Outfall	6	8	4	2	1	1	2	2	3	2	4	6
CRMS0276 - Just east of Wilkinson Canal	8	8	5	1	1	1	2	3	4	3	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	21	13	7	3	2	3	4	8	5	6	13	13
USGS7380251 Barataria Bay North of Grand Isle	24	13	7	3	2	3	5	11	8	10	15	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	15	7	4	3	4	5	10	6	6	11	12
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	28	18	12	6	6	8	14	21	18	20	23	24
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	1	4	3
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	8	8	9	15	16
CRMS 3985	1	2	2	2	2	2	2	1	1	1	1	1
CRMS 0258	13	5	2	0	0	0	2	3	2	3	10	11
CRMS 0224	17	9	4	1	1	1	3	5	4	4	11	12
CRMS 0163	2	1	0	0	0	0	0	1	1	3	3	3
CRMS 0162	7	7	5	3	3	2	0	4	11	12	17	15

V3PR2_HYST - cy 5 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	5	2	2	2	7	17	15	16	21	20
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	2	0	0	0	0	0	0	1	1	5	5
Barataria Waterway at Lafitte (USACE82875)	1	1	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	7	0	0	0	0	0	3	3	4	12	10
USGS7380251 Barataria Bay North of Grand Isle	22	9	1	0	0	0	1	9	7	9	16	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	9	1	0	0	1	1	6	4	5	10	10
USGS 07380335 - Little Lake Near Cutoff	6	3	0	0	0	0	0	0	1	0	4	3
USGS073802516 Barataria Pass at Grand Isle	28	16	9	4	4	6	12	21	18	21	24	23
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	4	4	6	6
HWQ16 - Bayou Grand Liard	18	8	3	1	1	2	2	6	8	11	16	16
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	0
CRMS 0258	9	4	1	0	0	0	0	1	3	3	13	11
CRMS 0224	11	5	1	0	0	0	0	2	3	3	13	11
CRMS 0163	3	2	0	0	0	0	0	2	7	9	5	7
CRMS 0162	11	12	6	4	5	2	0	8	19	19	17	17

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-5	-3	-2	-2	-3	-1	0	1	0	-1
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-2	-3	-2	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-7	-7	-5	-1	-1	-1	-2	-3	-3	-2	0	-3
Barataria Waterway at Lafitte (USACE82875)	-2	-4	-3	-2	-2	-2	-2	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-5	-6	-3	-2	-3	-4	-5	-2	-2	-1	-2
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-6	-3	-2	-2	-4	-2	-1	0	0	-1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-6	-6	-4	-3	-3	-5	-4	-2	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-5	-5	-3	-3	-3	-2	-3	-3	-2	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	0	-1	-3	-2	-2	-1	-1	0	0	1	1	-1
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	4	3	2	3
HWQ16 - Bayou Grand Liard	0	0	0	0	0	0	-1	-2	1	2	2	1
CRMS 3985	0	-2	-1	-2	-2	-2	-1	-1	-1	-1	0	-1
CRMS 0258	-5	-1	-1	0	0	0	-2	-2	0	0	2	0
CRMS 0224	-6	-4	-4	-1	-1	-1	-3	-4	-1	-1	1	-1
CRMS 0163	1	1	0	0	0	0	0	1	5	6	2	4
CRMS 0162	4	5	1	1	1	1	0	3	8	7	0	2

Figure WQ SAL 201 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	8	5	4	7	17	22	19	22	22	18
HWQ-08- At the Outfall	6	8	4	2	1	1	2	3	5	5	6	7
CRMS0276 - Just east of Wilkinson Canal	8	8	4	1	1	1	2	3	7	7	8	9
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	21	11	6	3	2	3	5	11	8	10	16	12
USGS7380251 Barataria Bay North of Grand Isle	24	11	6	3	3	3	9	16	13	16	18	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	14	7	4	4	5	8	14	9	10	14	13
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	4	3	3	7	6
USGS073802516 Barataria Pass at Grand Isle	28	15	10	8	6	11	21	25	22	25	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	1	3	4	6	4	0
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	8	12	13	16	15	10
CRMS 3985	1	3	2	2	2	2	2	1	1	1	1	1
CRMS 0258	14	4	2	0	0	1	3	5	5	9	13	7
CRMS 0224	17	7	3	1	1	2	4	8	8	10	15	10
CRMS 0163	2	0	0	0	0	1	1	3	6	10	2	0
CRMS 0162	8	3	4	4	4	4	2	11	23	24	16	7

V3PR2_HYST - cy 5 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	9	3	2	2	6	18	24	21	23	23	17
HWQ-08- At the Outfall	1	0	0	0	0	0	0	0	1	2	3	3
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	1	5	4	5	2
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	0	0	0	0	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	15	3	0	0	0	1	4	10	8	10	15	7
USGS7380251 Barataria Bay North of Grand Isle	22	5	0	0	0	1	9	17	14	17	19	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	5	0	0	1	3	6	13	9	9	13	10
USGS 07380335 - Little Lake Near Cutoff	7	1	0	0	0	1	1	2	2	1	5	4
USGS073802516 Barataria Pass at Grand Isle	28	13	7	5	5	11	22	26	24	27	25	20
HWQ14 - Lake Washington	5	0	0	0	0	0	1	4	13	13	5	1
HWQ16 - Bayou Grand Liard	17	4	2	2	1	3	7	13	16	21	17	11
CRMS 3985	1	1	0	0	0	0	0	0	0	0	1	1
CRMS 0258	9	2	1	0	0	0	1	4	9	12	16	5
CRMS 0224	11	2	0	0	0	0	2	7	10	12	15	6
CRMS 0163	4	1	0	1	0	2	2	8	22	21	5	3
CRMS 0162	12	8	5	6	6	9	7	15	27	27	17	14

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-4	-5	-3	-2	-1	1	1	2	2	1	-1
HWQ-08- At the Outfall	-5	-8	-4	-2	-1	-1	-2	-3	-4	-3	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-6	-8	-4	-1	-1	-1	-2	-3	-2	-3	-3	-6
Barataria Waterway at Lafitte (USACE82875)	-1	-5	-3	-2	-2	-2	-2	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-9	-6	-3	-2	-2	-2	-1	0	0	-1	-5
USGS7380251 Barataria Bay North of Grand Isle	-2	-6	-6	-3	-2	-2	0	1	1	1	1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-9	-6	-4	-3	-2	-1	-1	-1	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-4	-7	-4	-3	-3	-2	-2	-2	-1	-1	-1	-3
USGS073802516 Barataria Pass at Grand Isle	0	-2	-4	-2	-2	0	1	1	2	1	1	0
HWQ14 - Lake Washington	0	0	0	0	0	0	0	2	9	8	1	1
HWQ16 - Bayou Grand Liard	-1	0	0	0	0	0	0	1	3	4	2	1
CRMS 3985	0	-2	-2	-2	-2	-2	-1	-1	0	0	-1	-1
CRMS 0258	-5	-2	-1	0	0	0	-2	-1	4	4	2	-2
CRMS 0224	-6	-5	-3	-1	-1	-1	-2	-1	2	2	1	-4
CRMS 0163	2	1	0	1	0	1	1	6	16	12	3	2
CRMS 0162	4	4	1	2	2	5	6	4	5	3	2	6

Figure WQ SAL 202 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	16	15	10	10	10	20	26	23	22	20	18
HWQ-08- At the Outfall	6	9	5	3	3	3	3	3	7	6	6	6
CRMS0276 - Just east of Wilkinson Canal	8	10	6	3	3	3	3	4	10	9	8	7
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	3	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	14	8	5	5	6	7	15	11	13	15	11
USGS7380251 Barataria Bay North of Grand Isle	26	14	10	6	6	6	13	22	17	18	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	16	8	7	7	9	10	17	12	12	14	12
USGS 07380335 - Little Lake Near Cutoff	10	9	3	3	4	5	3	5	3	3	7	5
USGS073802516 Barataria Pass at Grand Isle	30	19	18	13	13	15	24	28	25	26	22	20
HWQ14 - Lake Washington	9	0	0	1	2	0	3	7	14	3	2	1
HWQ16 - Bayou Grand Liard	21	8	8	6	5	7	11	17	17	16	12	10
CRMS 3985	1	3	1	2	2	3	1	1	1	1	1	1
CRMS 0258	15	6	6	2	2	2	4	7	9	10	10	6
CRMS 0224	18	9	7	3	3	4	5	11	12	12	13	9
CRMS 0163	5	1	1	3	1	2	3	8	17	4	1	1
CRMS 0162	14	9	14	12	11	11	11	18	28	20	12	8

V3PR2_HYST - cy 5 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	14	13	8	8	9	21	28	23	25	21	18
HWQ-08- At the Outfall	2	0	1	0	0	0	0	0	1	3	3	2
CRMS0276 - Just east of Wilkinson Canal	4	0	1	0	0	0	0	1	6	4	5	3
Barataria Waterway at Lafitte (USACE82875)	3	1	1	0	0	1	1	1	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	20	6	3	2	1	4	5	13	10	12	15	9
USGS7380251 Barataria Bay North of Grand Isle	25	10	6	3	2	4	12	22	17	19	18	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	10	3	3	3	7	8	15	11	11	13	10
USGS 07380335 - Little Lake Near Cutoff	9	4	1	1	1	3	1	3	2	2	6	4
USGS073802516 Barataria Pass at Grand Isle	30	18	16	12	12	15	25	30	26	28	23	21
HWQ14 - Lake Washington	9	2	1	1	2	1	8	12	19	13	3	1
HWQ16 - Bayou Grand Liard	21	7	8	5	5	7	10	19	20	22	13	11
CRMS 3985	1	1	1	0	0	1	1	0	0	0	1	1
CRMS 0258	13	4	4	1	2	1	2	5	15	15	13	6
CRMS 0224	16	5	4	2	2	2	3	9	13	14	15	8
CRMS 0163	8	4	2	5	2	4	11	19	25	20	2	3
CRMS 0162	19	17	17	17	15	18	21	23	29	27	15	16

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-2	-2	-2	-2	-1	1	1	1	2	1	0
HWQ-08- At the Outfall	-4	-9	-5	-3	-3	-2	-3	-3	-5	-3	-3	-3
CRMS0276 - Just east of Wilkinson Canal	-5	-9	-5	-2	-3	-2	-3	-3	-3	-4	-2	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-4	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-7	-5	-3	-3	-2	-2	-2	-1	-1	0	-2
USGS7380251 Barataria Bay North of Grand Isle	0	-4	-4	-3	-3	-2	-1	0	0	2	1	-1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-6	-4	-3	-4	-2	-2	-1	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-2	-5	-2	-2	-3	-2	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	0	-1	-1	-1	-1	0	1	1	1	2	1	0
HWQ14 - Lake Washington	0	1	0	0	1	1	6	5	5	10	0	0
HWQ16 - Bayou Grand Liard	0	-1	0	-1	1	0	0	2	3	7	1	0
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	0	0	-1
CRMS 0258	-2	-2	-1	0	0	-1	-2	-2	5	5	2	-1
CRMS 0224	-2	-5	-4	-1	-2	-1	-2	-2	2	2	2	-1
CRMS 0163	3	3	1	2	1	2	9	11	8	16	1	2
CRMS 0162	4	8	3	5	3	7	10	5	1	7	3	7

Figure WQ SAL 203 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	9	6	7	6	12	18	15	18	20	19
HWQ-08- At the Outfall	6	7	4	2	2	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	7	3	1	2	2	2	2	4	4	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	3	2	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	20	10	6	3	3	4	4	7	5	7	13	12
USGS7380251 Barataria Bay North of Grand Isle	22	10	6	4	4	4	6	11	9	12	16	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	13	7	5	5	6	6	10	6	7	12	12
USGS 07380335 - Little Lake Near Cutoff	11	8	4	3	4	4	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	25	13	12	9	10	9	16	21	19	22	23	22
HWQ14 - Lake Washington	2	0	0	0	1	0	0	1	1	2	4	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	8	9	11	15	13
CRMS 3985	1	3	2	2	2	3	1	1	0	0	1	1
CRMS 0258	13	3	2	1	1	1	2	3	3	5	11	10
CRMS 0224	17	6	3	2	2	2	3	5	4	6	12	12
CRMS 0163	1	0	0	1	0	0	0	1	1	3	3	2
CRMS 0162	4	3	6	6	7	2	0	4	14	16	17	14

V3PR2_HYST - cy 5 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	7	5	3	4	3	10	17	17	21	21	20
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	1	2	3	5
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	3	3	4	4
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	9	1	0	0	0	1	0	3	5	8	13	10
USGS7380251 Barataria Bay North of Grand Isle	16	3	1	0	1	1	2	9	10	14	17	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	12	3	1	1	1	3	2	6	5	7	11	11
USGS 07380335 - Little Lake Near Cutoff	4	1	0	0	0	1	0	0	1	1	4	4
USGS073802516 Barataria Pass at Grand Isle	24	10	8	6	7	8	15	21	20	25	24	23
HWQ14 - Lake Washington	3	0	0	1	2	0	0	1	7	8	5	5
HWQ16 - Bayou Grand Liard	11	3	3	2	3	2	3	6	10	16	16	16
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	1
CRMS 0258	5	1	1	0	1	0	0	1	4	7	13	9
CRMS 0224	5	1	0	0	1	0	0	2	5	8	13	10
CRMS 0163	2	1	0	3	0	1	1	2	13	17	6	8
CRMS 0162	6	5	8	8	9	4	2	8	22	24	18	18

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-2	-4	-5	-3	-3	-2	-2	0	1	2	1	1
HWQ-08- At the Outfall	-6	-7	-4	-2	-2	-2	-2	-2	-3	-1	-2	-2
CRMS0276 - Just east of Wilkinson Canal	-8	-7	-3	-1	-2	-2	-2	-2	-1	-1	-2	-5
Barataria Waterway at Lafitte (USACE82875)	-3	-5	-3	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-11	-9	-5	-3	-3	-4	-4	-4	-1	1	0	-2
USGS7380251 Barataria Bay North of Grand Isle	-6	-6	-6	-3	-3	-3	-4	-3	1	2	1	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-9	-6	-4	-4	-4	-4	-4	-1	0	0	-1
USGS 07380335 - Little Lake Near Cutoff	-7	-7	-4	-3	-3	-3	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-3	-4	-3	-2	-1	0	0	1	2	1	1
HWQ14 - Lake Washington	0	0	0	0	1	0	0	0	6	7	1	4
HWQ16 - Bayou Grand Liard	-3	0	-1	0	0	0	-2	-2	1	4	1	2
CRMS 3985	0	-2	-2	-2	-2	-2	-1	0	0	0	0	0
CRMS 0258	-8	-2	-1	0	0	-1	-2	-2	1	2	2	0
CRMS 0224	-11	-4	-3	-1	-1	-2	-3	-3	0	2	1	-1
CRMS 0163	2	1	0	1	0	0	0	1	12	13	3	6
CRMS 0162	2	3	2	2	2	2	2	4	9	8	1	4

Figure WQ SAL 204 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	20	13	7	5	4	10	18	16	19	21	15
HWQ-08- At the Outfall	6	10	6	2	1	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	12	8	2	1	1	2	2	5	4	7	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	2	1	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	16	10	4	3	3	3	7	5	8	14	11
USGS7380251 Barataria Bay North of Grand Isle	25	17	11	4	3	3	5	12	9	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	18	9	6	5	5	5	9	7	8	13	12
USGS 07380335 - Little Lake Near Cutoff	10	9	4	4	4	3	2	2	2	2	6	6
USGS073802516 Barataria Pass at Grand Isle	29	22	15	9	7	6	14	22	20	23	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	1	1	3	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	4	8	9	13	15	7
CRMS 3985	1	3	2	2	2	2	1	1	0	0	1	1
CRMS 0258	15	10	6	1	0	0	2	3	3	5	12	6
CRMS 0224	18	13	9	2	1	1	3	5	5	6	14	9
CRMS 0163	4	4	0	0	0	0	0	1	1	5	2	0
CRMS 0162	13	17	7	5	3	1	0	5	16	20	17	3

V3PR2_HYST - cy 5 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	17	10	3	2	2	8	19	18	21	22	12
HWQ-08- At the Outfall	3	4	0	0	0	0	0	0	1	2	3	0
CRMS0276 - Just east of Wilkinson Canal	4	5	0	0	0	0	0	0	3	3	4	0
Barataria Waterway at Lafitte (USACE82875)	3	4	1	0	0	0	0	0	0	0	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	20	12	2	0	0	0	0	6	5	8	14	2
USGS7380251 Barataria Bay North of Grand Isle	25	14	4	1	0	0	1	12	11	15	17	6
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	15	3	1	1	2	1	8	6	8	12	5
USGS 07380335 - Little Lake Near Cutoff	9	7	1	0	0	1	0	1	1	1	5	2
USGS073802516 Barataria Pass at Grand Isle	30	20	13	7	5	5	14	23	21	25	24	16
HWQ14 - Lake Washington	7	7	1	0	1	0	0	1	8	11	6	0
HWQ16 - Bayou Grand Liard	20	9	7	2	1	1	2	8	11	17	17	7
CRMS 3985	1	2	1	0	0	0	0	0	0	0	1	1
CRMS 0258	13	6	4	0	0	0	0	1	5	8	14	4
CRMS 0224	17	8	2	0	0	0	0	3	6	9	14	3
CRMS 0163	7	10	1	2	0	0	1	3	15	20	5	0
CRMS 0162	16	20	9	7	5	1	1	9	24	26	18	8

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-3	-3	-3	-2	-2	1	2	2	1	-3
HWQ-08- At the Outfall	-4	-6	-6	-2	-1	-2	-2	-2	-3	-1	-2	-6
CRMS0276 - Just east of Wilkinson Canal	-4	-7	-8	-2	-1	-1	-2	-2	-1	-1	-3	-8
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-2	-3	-2	-2	-1	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-4	-8	-4	-3	-3	-3	-2	0	1	-1	-9
USGS7380251 Barataria Bay North of Grand Isle	0	-3	-6	-4	-3	-3	-3	0	1	2	1	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-6	-5	-4	-3	-3	-1	-1	0	-1	-7
USGS 07380335 - Little Lake Near Cutoff	-1	-2	-3	-3	-3	-3	-2	-1	-1	-1	-1	-4
USGS073802516 Barataria Pass at Grand Isle	1	-2	-2	-2	-2	-1	0	1	2	2	1	-2
HWQ14 - Lake Washington	-1	5	1	0	1	0	0	0	7	8	2	0
HWQ16 - Bayou Grand Liard	-1	-3	1	0	0	0	-1	-1	2	4	1	1
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	0	0	-1
CRMS 0258	-2	-4	-3	0	0	0	-2	-1	1	2	2	-2
CRMS 0224	-2	-5	-6	-1	-1	-1	-3	-2	1	2	1	-6
CRMS 0163	2	6	1	2	0	0	0	2	14	14	3	0
CRMS 0162	4	3	2	2	2	0	1	4	8	5	1	5

Figure WQ SAL 205 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	16	9	5	4	4	10	18	15	16	20	21
HWQ-08- At the Outfall	6	8	4	2	1	1	2	2	3	2	4	6
CRMS0276 - Just east of Wilkinson Canal	8	8	5	1	1	1	2	3	4	3	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	21	13	7	3	2	3	4	8	5	6	13	13
USGS7380251 Barataria Bay North of Grand Isle	24	13	7	3	2	3	5	11	8	10	15	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	15	7	4	3	4	5	10	6	6	11	12
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	28	18	12	6	6	8	14	21	18	20	23	24
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	1	4	3
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	8	8	9	15	16
CRMS 3985	1	2	2	2	2	2	2	1	1	1	1	1
CRMS 0258	13	5	2	0	0	0	2	3	2	3	10	11
CRMS 0224	17	9	4	1	1	1	3	5	4	4	11	12
CRMS 0163	2	1	0	0	0	0	0	1	1	3	3	3
CRMS 0162	7	7	5	3	3	2	0	4	11	12	17	15

V3PR3_HYST - cy 5 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	5	2	2	2	7	17	15	16	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	0	3	3
Barataria Waterway at Lafitte (USACE82875)	2	1	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	7	0	0	0	0	0	3	3	3	11	9
USGS7380251 Barataria Bay North of Grand Isle	21	9	1	0	0	0	1	9	8	9	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	15	9	1	0	0	1	1	6	4	5	10	10
USGS 07380335 - Little Lake Near Cutoff	6	3	0	0	0	0	0	0	1	0	4	3
USGS073802516 Barataria Pass at Grand Isle	28	16	9	5	4	6	13	21	18	21	23	21
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	4	3	6	4
HWQ16 - Bayou Grand Liard	17	8	3	1	1	2	2	6	8	11	16	11
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	1
CRMS 0258	8	4	1	0	0	0	0	1	3	3	12	8
CRMS 0224	10	4	1	0	0	0	0	2	3	3	12	9
CRMS 0163	3	2	0	0	0	0	0	2	6	8	5	4
CRMS 0162	11	11	6	4	5	2	0	7	19	18	16	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-4	-3	-2	-2	-3	-1	1	0	0	-3
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-2	-3	-2	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-7	-7	-5	-1	-1	-1	-2	-3	-3	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-2	-4	-3	-2	-2	-2	-2	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-7	-6	-6	-3	-2	-3	-4	-4	-2	-2	-1	-3
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-6	-3	-2	-2	-4	-3	0	-1	0	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5	-6	-6	-4	-3	-3	-4	-4	-2	-2	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-4	-5	-3	-3	-3	-2	-3	-3	-2	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	0	-1	-3	-2	-2	-2	-1	0	0	0	0	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	3	2	1	1
HWQ16 - Bayou Grand Liard	0	1	0	0	0	0	-1	-2	1	2	1	-4
CRMS 3985	0	-2	-1	-2	-2	-2	-1	-1	-1	-1	0	0
CRMS 0258	-5	-2	-1	0	0	0	-2	-2	0	0	2	-3
CRMS 0224	-7	-4	-4	-1	-1	-1	-3	-4	-1	-1	1	-3
CRMS 0163	1	1	0	0	0	0	0	1	5	5	2	2
CRMS 0162	4	5	1	1	2	1	0	3	7	6	-1	-2

Figure WQ SAL 206 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	8	5	4	7	17	22	19	22	22	18
HWQ-08- At the Outfall	6	8	4	2	1	1	2	3	5	5	6	7
CRMS0276 - Just east of Wilkinson Canal	8	8	4	1	1	1	2	3	7	7	8	9
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	21	11	6	3	2	3	5	11	8	10	16	12
USGS7380251 Barataria Bay North of Grand Isle	24	11	6	3	3	3	9	16	13	16	18	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	14	7	4	4	5	8	14	9	10	14	13
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	4	3	3	7	6
USGS073802516 Barataria Pass at Grand Isle	28	15	10	8	6	11	21	25	22	25	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	1	3	4	6	4	0
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	8	12	13	16	15	10
CRMS 3985	1	3	2	2	2	2	2	1	1	1	1	1
CRMS 0258	14	4	2	0	0	1	3	5	5	9	13	7
CRMS 0224	17	7	3	1	1	2	4	8	8	10	15	10
CRMS 0163	2	0	0	0	0	1	1	3	6	10	2	0
CRMS 0162	8	3	4	4	4	4	2	11	23	24	16	7

V3PR3_HYST - cy 5 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	9	4	2	2	6	17	23	21	23	22	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	0	0	0	0	0	0	1	4	4	5	2
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	0	0	0	0	0	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	15	3	0	0	0	1	4	9	7	9	15	7
USGS7380251 Barataria Bay North of Grand Isle	22	6	1	0	0	1	9	17	14	17	18	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	16	5	0	0	1	2	6	13	8	9	13	10
USGS 07380335 - Little Lake Near Cutoff	7	1	0	0	0	1	1	2	1	1	5	3
USGS073802516 Barataria Pass at Grand Isle	28	13	7	5	5	11	22	26	24	26	25	20
HWQ14 - Lake Washington	6	0	0	0	0	0	1	4	13	13	6	1
HWQ16 - Bayou Grand Liard	18	5	3	2	1	4	7	13	15	20	18	12
CRMS 3985	1	1	0	0	0	0	0	0	0	0	1	1
CRMS 0258	9	2	1	0	0	0	1	4	8	11	16	6
CRMS 0224	11	2	0	0	0	1	2	7	9	11	16	7
CRMS 0163	3	1	0	1	0	2	2	6	20	19	4	2
CRMS 0162	11	6	5	6	6	8	6	14	27	27	17	12

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-4	-3	-2	-1	0	1	2	1	1	-1
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-3	-5	-5	-6	-7
CRMS0276 - Just east of Wilkinson Canal	-6	-8	-4	-1	-1	-1	-2	-3	-3	-3	-4	-7
Barataria Waterway at Lafitte (USACE82875)	-1	-5	-3	-2	-2	-2	-2	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-9	-6	-3	-2	-2	-2	-2	-1	-1	-1	-5
USGS7380251 Barataria Bay North of Grand Isle	-2	-5	-6	-3	-2	-2	0	0	1	1	0	-2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4	-9	-6	-4	-3	-2	-1	-1	-1	-1	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-4	-7	-4	-3	-3	-2	-2	-2	-1	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	0	-2	-3	-2	-2	0	1	1	1	1	1	0
HWQ14 - Lake Washington	1	0	0	0	0	0	0	1	8	7	2	0
HWQ16 - Bayou Grand Liard	0	1	0	0	0	0	0	1	2	3	2	1
CRMS 3985	0	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
CRMS 0258	-5	-1	-1	0	0	0	-2	-1	3	2	3	-1
CRMS 0224	-6	-4	-3	-1	-1	-1	-2	-1	2	1	1	-3
CRMS 0163	1	1	0	1	0	1	1	4	14	10	2	1
CRMS 0162	4	3	1	2	2	4	4	3	5	2	1	5

Figure WQ SAL 207 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	16	15	10	10	10	20	26	23	22	20	18
HWQ-08- At the Outfall	6	9	5	3	3	3	3	3	7	6	6	6
CRMS0276 - Just east of Wilkinson Canal	8	10	6	3	3	3	3	4	10	9	8	7
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	3	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	14	8	5	5	6	7	15	11	13	15	11
USGS7380251 Barataria Bay North of Grand Isle	26	14	10	6	6	6	13	22	17	18	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	16	8	7	7	9	10	17	12	12	14	12
USGS 07380335 - Little Lake Near Cutoff	10	9	3	3	4	5	3	5	3	3	7	5
USGS073802516 Barataria Pass at Grand Isle	30	19	18	13	13	15	24	28	25	26	22	20
HWQ14 - Lake Washington	9	0	0	1	2	0	3	7	14	3	2	1
HWQ16 - Bayou Grand Liard	21	8	8	6	5	7	11	17	17	16	12	10
CRMS 3985	1	3	1	2	2	3	1	1	1	1	1	1
CRMS 0258	15	6	6	2	2	2	4	7	9	10	10	6
CRMS 0224	18	9	7	3	3	4	5	11	12	12	13	9
CRMS 0163	5	1	1	3	1	2	3	8	17	4	1	1
CRMS 0162	14	9	14	12	11	11	11	18	28	20	12	8

V3PR3_HYST - cy 5 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	15	13	8	8	9	20	27	23	24	21	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	0	1	0	0	0	0	1	5	4	5	2
Barataria Waterway at Lafitte (USACE82875)	3	1	1	0	0	1	1	0	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	19	6	3	2	1	4	5	12	10	11	15	9
USGS7380251 Barataria Bay North of Grand Isle	25	11	6	4	3	5	11	22	17	19	18	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	10	3	4	3	7	7	15	11	11	13	10
USGS 07380335 - Little Lake Near Cutoff	9	3	1	1	1	2	1	2	2	2	6	4
USGS073802516 Barataria Pass at Grand Isle	30	18	17	12	13	15	25	29	26	27	23	21
HWQ14 - Lake Washington	10	1	0	1	2	1	6	11	19	11	3	1
HWQ16 - Bayou Grand Liard	22	8	9	6	6	8	10	18	19	21	14	11
CRMS 3985	2	1	1	0	0	1	1	0	0	0	1	1
CRMS 0258	13	4	5	2	2	2	2	5	14	14	13	6
CRMS 0224	17	5	4	2	2	2	3	9	13	13	15	8
CRMS 0163	7	4	1	5	1	4	9	17	24	16	2	2
CRMS 0162	18	15	14	15	15	16	20	22	28	26	14	14

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-2	-2	-2	-2	-1	0	1	1	2	1	0
HWQ-08- At the Outfall	-6	-9	-5	-3	-3	-3	-3	-3	-7	-6	-6	-6
CRMS0276 - Just east of Wilkinson Canal	-5	-9	-6	-2	-3	-2	-3	-3	-4	-5	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-1	-4	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-7	-5	-3	-3	-2	-3	-2	-2	-2	0	-2
USGS7380251 Barataria Bay North of Grand Isle	0	-3	-4	-3	-3	-2	-1	0	0	1	1	-1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-6	-4	-3	-4	-2	-3	-2	-2	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-2	-5	-2	-2	-3	-2	-2	-3	-1	-2	-1	-2
USGS073802516 Barataria Pass at Grand Isle	0	0	-1	-1	-1	0	1	1	0	1	1	0
HWQ14 - Lake Washington	1	1	0	0	1	0	4	4	5	8	1	0
HWQ16 - Bayou Grand Liard	0	0	1	0	1	0	0	2	3	6	2	1
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	-1	-1	-1
CRMS 0258	-2	-2	-1	0	0	-1	-2	-2	5	4	3	0
CRMS 0224	-1	-4	-4	-1	-2	-1	-2	-2	2	1	2	-1
CRMS 0163	2	3	1	2	1	1	6	9	7	12	1	1
CRMS 0162	3	6	0	4	3	5	9	4	0	6	2	6

Figure WQ SAL 208 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	9	6	7	6	12	18	15	18	20	19
HWQ-08- At the Outfall	6	7	4	2	2	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	7	3	1	2	2	2	2	4	4	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	3	2	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	20	10	6	3	3	4	4	7	5	7	13	12
USGS7380251 Barataria Bay North of Grand Isle	22	10	6	4	4	4	6	11	9	12	16	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	13	7	5	5	6	6	10	6	7	12	12
USGS 07380335 - Little Lake Near Cutoff	11	8	4	3	4	4	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	25	13	12	9	10	9	16	21	19	22	23	22
HWQ14 - Lake Washington	2	0	0	0	1	0	0	1	1	2	4	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	8	9	11	15	13
CRMS 3985	1	3	2	2	2	3	1	1	0	0	1	1
CRMS 0258	13	3	2	1	1	1	2	3	3	5	11	10
CRMS 0224	17	6	3	2	2	2	3	5	4	6	12	12
CRMS 0163	1	0	0	1	0	0	0	1	1	3	3	2
CRMS 0162	4	3	6	6	7	2	0	4	14	16	17	14

V3PR3_HYST - cy 5 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	22	7	5	3	4	3	9	17	16	19	21	20
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	2	4	3
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	8	1	0	0	0	1	0	3	4	7	13	10
USGS7380251 Barataria Bay North of Grand Isle	16	3	1	1	1	1	2	8	9	13	16	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	3	1	1	1	3	2	6	5	7	11	11
USGS 07380335 - Little Lake Near Cutoff	4	1	0	0	0	1	0	0	1	1	4	4
USGS073802516 Barataria Pass at Grand Isle	24	10	9	7	8	8	15	21	20	24	24	23
HWQ14 - Lake Washington	3	0	0	1	2	0	0	1	6	6	5	4
HWQ16 - Bayou Grand Liard	12	4	3	3	3	2	3	6	10	15	17	16
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	1
CRMS 0258	5	2	1	0	1	0	0	1	4	7	13	10
CRMS 0224	5	2	0	0	1	0	0	2	4	7	13	11
CRMS 0163	2	0	0	2	0	1	1	2	9	12	4	7
CRMS 0162	6	4	7	8	9	3	1	7	21	22	17	17

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-2	-4	-4	-3	-3	-2	-2	-1	1	1	1	1
HWQ-08- At the Outfall	-6	-7	-4	-2	-2	-2	-2	-2	-3	-3	-5	-6
CRMS0276 - Just east of Wilkinson Canal	-8	-7	-3	-1	-2	-2	-2	-2	-2	-2	-3	-5
Barataria Waterway at Lafitte (USACE82875)	-3	-5	-3	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-12	-9	-5	-3	-3	-4	-4	-5	-1	0	0	-2
USGS7380251 Barataria Bay North of Grand Isle	-6	-6	-6	-3	-3	-3	-4	-3	0	1	1	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-8	-9	-6	-4	-4	-4	-5	-4	-1	-1	-1	-1
USGS 07380335 - Little Lake Near Cutoff	-7	-7	-4	-3	-3	-3	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-1	-3	-3	-2	-2	-1	-1	0	1	1	1	1
HWQ14 - Lake Washington	1	0	0	0	2	0	0	0	5	4	1	3
HWQ16 - Bayou Grand Liard	-3	1	0	0	1	0	-2	-2	1	3	2	3
CRMS 3985	0	-2	-2	-2	-2	-2	-1	0	0	0	0	0
CRMS 0258	-8	-1	-1	0	0	-1	-2	-2	1	2	3	0
CRMS 0224	-11	-4	-3	-1	-1	-2	-3	-3	0	1	1	-1
CRMS 0163	1	0	0	1	0	1	0	1	8	8	2	5
CRMS 0162	1	1	1	2	2	1	1	3	7	6	0	3

Figure WQ SAL 209 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	20	13	7	5	4	10	18	16	19	21	15
HWQ-08- At the Outfall	6	10	6	2	1	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	12	8	2	1	1	2	2	5	4	7	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	2	1	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	16	10	4	3	3	3	7	5	8	14	11
USGS7380251 Barataria Bay North of Grand Isle	25	17	11	4	3	3	5	12	9	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	18	9	6	5	5	5	9	7	8	13	12
USGS 07380335 - Little Lake Near Cutoff	10	9	4	4	4	3	2	2	2	2	6	6
USGS073802516 Barataria Pass at Grand Isle	29	22	15	9	7	6	14	22	20	23	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	1	1	3	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	4	8	9	13	15	7
CRMS 3985	1	3	2	2	2	2	1	1	0	0	1	1
CRMS 0258	15	10	6	1	0	0	2	3	3	5	12	6
CRMS 0224	18	13	9	2	1	1	3	5	5	6	14	9
CRMS 0163	4	4	0	0	0	0	0	1	1	5	2	0
CRMS 0162	13	17	7	5	3	1	0	5	16	20	17	3

V3PR3_HYST - cy 5 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	17	10	3	2	2	8	19	18	21	22	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	4	4	0	0	0	0	0	0	3	3	4	0
Barataria Waterway at Lafitte (USACE82875)	3	4	1	0	0	0	0	0	0	0	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	20	13	2	0	0	0	0	5	5	8	13	2
USGS7380251 Barataria Bay North of Grand Isle	25	15	4	1	0	0	1	11	11	14	17	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	15	3	1	1	2	1	8	6	7	12	5
USGS 07380335 - Little Lake Near Cutoff	9	7	1	0	0	0	0	1	1	1	5	2
USGS073802516 Barataria Pass at Grand Isle	30	20	13	6	5	5	14	22	21	25	25	16
HWQ14 - Lake Washington	8	8	1	0	0	0	0	1	8	10	6	0
HWQ16 - Bayou Grand Liard	21	10	8	3	1	1	2	8	11	17	17	8
CRMS 3985	2	2	1	0	0	0	0	0	0	0	1	0
CRMS 0258	13	7	4	0	0	0	0	1	4	7	15	4
CRMS 0224	17	9	2	0	0	0	0	3	5	8	15	4
CRMS 0163	6	9	1	1	0	0	0	2	13	17	4	0
CRMS 0162	15	19	9	6	6	1	1	8	24	26	17	7

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-3	-4	-3	-2	-2	0	2	2	1	-2
HWQ-08- At the Outfall	-6	-10	-6	-2	-1	-2	-2	-2	-3	-3	-5	-6
CRMS0276 - Just east of Wilkinson Canal	-5	-8	-8	-2	-1	-1	-2	-2	-2	-1	-3	-8
Barataria Waterway at Lafitte (USACE82875)	-1	-1	-2	-3	-2	-2	-1	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2	-3	-8	-4	-3	-3	-3	-2	0	0	-1	-9
USGS7380251 Barataria Bay North of Grand Isle	0	-2	-6	-4	-3	-2	-3	0	1	2	1	-6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-6	-5	-4	-3	-4	-1	-1	-1	-1	-7
USGS 07380335 - Little Lake Near Cutoff	-2	-2	-3	-3	-3	-3	-2	-2	-1	-1	-1	-4
USGS073802516 Barataria Pass at Grand Isle	0	-2	-2	-3	-2	-1	-1	1	1	1	1	-1
HWQ14 - Lake Washington	0	6	1	0	0	0	0	0	7	7	2	0
HWQ16 - Bayou Grand Liard	0	-2	2	0	0	0	-2	-1	2	4	2	1
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	0	0	-1
CRMS 0258	-2	-3	-3	0	0	0	-2	-1	1	2	3	-2
CRMS 0224	-1	-4	-6	-1	-1	-1	-3	-2	1	2	1	-6
CRMS 0163	1	6	0	1	0	0	0	1	11	12	2	0
CRMS 0162	3	2	2	1	2	0	1	3	7	5	0	3

Figure WQ SAL 210 - Monthly Average Salinity (ppt) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	16	9	5	4	4	10	18	15	16	20	21
HWQ-08- At the Outfall	6	8	4	2	1	1	2	2	3	2	4	6
CRMS0276 - Just east of Wilkinson Canal	8	8	5	1	1	1	2	3	4	3	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	21	13	7	3	2	3	4	8	5	6	13	13
USGS7380251 Barataria Bay North of Grand Isle	24	13	7	3	2	3	5	11	8	10	15	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	15	7	4	3	4	5	10	6	6	11	12
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	28	18	12	6	6	8	14	21	18	20	23	24
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	1	4	3
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	8	8	9	15	16
CRMS 3985	1	2	2	2	2	2	2	1	1	1	1	1
CRMS 0258	13	5	2	0	0	0	2	3	2	3	10	11
CRMS 0224	17	9	4	1	1	1	3	5	4	4	11	12
CRMS 0163	2	1	0	0	0	0	0	1	1	3	3	3
CRMS 0162	7	7	5	3	3	2	0	4	11	12	17	15

V3PR4_HYST - cy 5 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	12	3	1	1	2	5	16	15	16	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	0	5	4
Barataria Waterway at Lafitte (USACE82875)	2	1	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	11	5	0	0	0	0	0	2	3	3	11	9
USGS7380251 Barataria Bay North of Grand Isle	20	8	0	0	0	0	0	8	7	9	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	14	8	0	0	0	1	0	5	5	5	10	10
USGS 07380335 - Little Lake Near Cutoff	5	2	0	0	0	0	0	0	1	0	4	3
USGS073802516 Barataria Pass at Grand Isle	27	15	7	3	3	5	11	21	18	21	23	20
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	4	4	5	4
HWQ16 - Bayou Grand Liard	17	7	3	1	1	1	1	6	8	11	16	11
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	1
CRMS 0258	8	3	1	0	0	0	0	1	3	3	13	8
CRMS 0224	9	3	0	0	0	0	0	1	3	3	12	9
CRMS 0163	3	2	0	0	0	0	0	2	6	8	4	4
CRMS 0162	11	12	6	4	5	2	0	8	20	18	16	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-4	-6	-3	-3	-3	-5	-1	1	0	0	-4
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-2	-3	-2	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-7	-7	-5	-1	-1	-1	-2	-3	-3	-2	-1	-4
Barataria Waterway at Lafitte (USACE82875)	-2	-4	-3	-2	-2	-2	-2	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-10	-7	-6	-3	-2	-3	-4	-6	-2	-3	-1	-4
USGS7380251 Barataria Bay North of Grand Isle	-4	-5	-7	-3	-2	-2	-4	-4	-1	-1	0	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-7	-7	-4	-3	-3	-5	-5	-2	-2	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-5	-6	-3	-3	-3	-3	-3	-3	-2	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	0	-3	-5	-3	-3	-3	-3	0	0	1	0	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	3	2	1	1
HWQ16 - Bayou Grand Liard	-1	0	0	0	0	0	-2	-2	1	2	1	-5
CRMS 3985	0	-2	-1	-2	-2	-2	-1	-1	-1	-1	0	0
CRMS 0258	-6	-2	-1	0	0	0	-2	-3	0	0	2	-3
CRMS 0224	-9	-5	-4	-1	-1	-1	-3	-4	-1	-1	1	-3
CRMS 0163	1	1	0	0	0	0	0	1	5	5	2	2
CRMS 0162	4	5	2	1	2	1	0	3	8	7	-1	-2

Figure WQ SAL 211 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	8	5	4	7	17	22	19	22	22	18
HWQ-08- At the Outfall	6	8	4	2	1	1	2	3	5	5	6	7
CRMS0276 - Just east of Wilkinson Canal	8	8	4	1	1	1	2	3	7	7	8	9
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	21	11	6	3	2	3	5	11	8	10	16	12
USGS7380251 Barataria Bay North of Grand Isle	24	11	6	3	3	3	9	16	13	16	18	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	14	7	4	4	5	8	14	9	10	14	13
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	4	3	3	7	6
USGS073802516 Barataria Pass at Grand Isle	28	15	10	8	6	11	21	25	22	25	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	1	3	4	6	4	0
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	8	12	13	16	15	10
CRMS 3985	1	3	2	2	2	2	2	1	1	1	1	1
CRMS 0258	14	4	2	0	0	1	3	5	5	9	13	7
CRMS 0224	17	7	3	1	1	2	4	8	8	10	15	10
CRMS 0163	2	0	0	0	0	1	1	3	6	10	2	0
CRMS 0162	8	3	4	4	4	4	2	11	23	24	16	7

V3PR4_HYST - cy 5 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	7	2	1	1	6	17	23	21	23	22	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	0	0	0	0	0	0	1	4	5	7	3
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	0	0	0	0	0	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	12	1	0	0	0	1	3	8	7	8	14	6
USGS7380251 Barataria Bay North of Grand Isle	21	3	0	0	0	1	8	16	13	16	18	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	14	3	0	0	0	2	6	12	8	9	12	9
USGS 07380335 - Little Lake Near Cutoff	6	1	0	0	0	0	1	1	1	1	5	3
USGS073802516 Barataria Pass at Grand Isle	28	11	5	4	4	11	21	26	24	26	25	19
HWQ14 - Lake Washington	6	0	0	0	0	0	1	4	12	12	5	1
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	7	13	15	19	17	11
CRMS 3985	1	1	0	0	0	0	0	0	0	0	1	1
CRMS 0258	9	2	0	0	0	0	1	4	8	11	16	5
CRMS 0224	10	2	0	0	0	0	2	6	9	10	16	6
CRMS 0163	3	1	0	1	0	2	1	6	20	19	4	2
CRMS 0162	11	7	5	6	6	8	6	14	27	27	17	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-6	-6	-4	-3	-1	0	1	1	1	0	-2
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-3	-5	-5	-6	-7
CRMS0276 - Just east of Wilkinson Canal	-6	-8	-4	-1	-1	-1	-2	-3	-3	-2	-1	-6
Barataria Waterway at Lafitte (USACE82875)	-2	-5	-3	-2	-2	-2	-2	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-9	-10	-6	-3	-2	-3	-2	-3	-1	-2	-2	-6
USGS7380251 Barataria Bay North of Grand Isle	-3	-8	-6	-3	-3	-2	-1	0	1	1	0	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-11	-6	-4	-4	-3	-2	-1	-1	-1	-2	-4
USGS 07380335 - Little Lake Near Cutoff	-4	-7	-4	-3	-3	-3	-2	-3	-1	-2	-2	-3
USGS073802516 Barataria Pass at Grand Isle	0	-4	-5	-4	-3	0	0	1	1	1	1	-1
HWQ14 - Lake Washington	1	0	0	0	0	0	0	1	8	7	2	0
HWQ16 - Bayou Grand Liard	0	0	0	0	0	0	-1	1	2	3	2	1
CRMS 3985	0	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
CRMS 0258	-5	-2	-1	0	0	-1	-2	-1	3	2	3	-2
CRMS 0224	-7	-5	-3	-1	-1	-1	-2	-2	1	0	1	-4
CRMS 0163	1	1	0	1	0	1	0	3	14	10	2	1
CRMS 0162	4	3	1	1	2	4	5	4	4	2	1	6

Figure WQ SAL 212 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	16	15	10	10	10	20	26	23	22	20	18
HWQ-08- At the Outfall	6	9	5	3	3	3	3	3	7	6	6	6
CRMS0276 - Just east of Wilkinson Canal	8	10	6	3	3	3	3	4	10	9	8	7
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	3	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	14	8	5	5	6	7	15	11	13	15	11
USGS7380251 Barataria Bay North of Grand Isle	26	14	10	6	6	6	13	22	17	18	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	16	8	7	7	9	10	17	12	12	14	12
USGS 07380335 - Little Lake Near Cutoff	10	9	3	3	4	5	3	5	3	3	7	5
USGS073802516 Barataria Pass at Grand Isle	30	19	18	13	13	15	24	28	25	26	22	20
HWQ14 - Lake Washington	9	0	0	1	2	0	3	7	14	3	2	1
HWQ16 - Bayou Grand Liard	21	8	8	6	5	7	11	17	17	16	12	10
CRMS 3985	1	3	1	2	2	3	1	1	1	1	1	1
CRMS 0258	15	6	6	2	2	2	4	7	9	10	10	6
CRMS 0224	18	9	7	3	3	4	5	11	12	12	13	9
CRMS 0163	5	1	1	3	1	2	3	8	17	4	1	1
CRMS 0162	14	9	14	12	11	11	11	18	28	20	12	8

V3PR4_HYST - cy 5 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	14	12	8	7	9	20	27	23	24	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	5	0	1	0	0	0	0	1	6	6	7	4
Barataria Waterway at Lafitte (USACE82875)	3	1	1	0	0	1	1	0	1	1	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	4	3	1	1	3	4	11	9	10	14	8
USGS7380251 Barataria Bay North of Grand Isle	25	9	6	3	2	4	11	21	17	18	17	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	8	3	3	3	6	6	15	10	10	13	9
USGS 07380335 - Little Lake Near Cutoff	8	3	1	1	1	2	1	2	2	1	5	3
USGS073802516 Barataria Pass at Grand Isle	30	17	16	11	12	15	24	29	26	27	23	20
HWQ14 - Lake Washington	9	1	0	1	3	1	7	11	19	10	3	1
HWQ16 - Bayou Grand Liard	21	7	8	5	6	7	10	18	19	21	14	11
CRMS 3985	2	1	1	0	0	1	1	0	0	0	1	1
CRMS 0258	14	4	4	1	1	1	2	5	14	14	13	6
CRMS 0224	17	4	3	1	1	2	3	8	13	13	15	8
CRMS 0163	7	4	1	4	1	4	9	17	24	15	2	2
CRMS 0162	18	15	15	16	15	16	20	23	29	26	14	15

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-2	-3	-3	-1	0	1	1	2	0	0
HWQ-08- At the Outfall	-6	-9	-5	-3	-3	-3	-3	-3	-6	-6	-6	-6
CRMS0276 - Just east of Wilkinson Canal	-3	-9	-5	-2	-3	-2	-3	-3	-4	-3	-1	-3
Barataria Waterway at Lafitte (USACE82875)	-1	-4	-2	-2	-2	-2	-1	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-4	-10	-5	-3	-4	-3	-4	-4	-2	-3	-1	-3
USGS7380251 Barataria Bay North of Grand Isle	0	-5	-4	-3	-4	-2	-2	0	0	1	1	-1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-8	-5	-4	-4	-3	-3	-2	-2	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-2	-6	-2	-2	-3	-3	-2	-3	-2	-2	-2	-2
USGS073802516 Barataria Pass at Grand Isle	0	-1	-1	-2	-2	0	0	1	0	1	1	0
HWQ14 - Lake Washington	0	1	0	0	1	0	4	4	5	7	0	0
HWQ16 - Bayou Grand Liard	0	0	0	-1	1	0	-1	1	3	5	1	0
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	-1	-1	-1
CRMS 0258	-1	-2	-2	-1	-1	-1	-2	-2	5	4	2	0
CRMS 0224	-1	-5	-4	-2	-2	-1	-2	-2	1	1	2	-1
CRMS 0163	1	2	1	1	0	1	6	9	7	11	1	1
CRMS 0162	4	6	2	5	3	5	9	4	1	6	2	6

Figure WQ SAL 213 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	9	6	7	6	12	18	15	18	20	19
HWQ-08- At the Outfall	6	7	4	2	2	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	7	3	1	2	2	2	2	4	4	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	3	2	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	20	10	6	3	3	4	4	7	5	7	13	12
USGS7380251 Barataria Bay North of Grand Isle	22	10	6	4	4	4	6	11	9	12	16	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	13	7	5	5	6	6	10	6	7	12	12
USGS 07380335 - Little Lake Near Cutoff	11	8	4	3	4	4	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	25	13	12	9	10	9	16	21	19	22	23	22
HWQ14 - Lake Washington	2	0	0	0	1	0	0	1	1	2	4	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	8	9	11	15	13
CRMS 3985	1	3	2	2	2	3	1	1	0	0	1	1
CRMS 0258	13	3	2	1	1	1	2	3	3	5	11	10
CRMS 0224	17	6	3	2	2	2	3	5	4	6	12	12
CRMS 0163	1	0	0	1	0	0	0	1	1	3	3	2
CRMS 0162	4	3	6	6	7	2	0	4	14	16	17	14

V3PR4_HYST - cy 5 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	19	4	3	2	3	3	7	16	16	20	21	20
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	3	6	5
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	0	0	0	0	2	4	6	12	10
USGS7380251 Barataria Bay North of Grand Isle	12	1	0	0	0	0	1	7	9	13	16	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	2	0	0	1	2	1	5	5	7	11	10
USGS 07380335 - Little Lake Near Cutoff	3	0	0	0	0	0	0	0	1	1	4	3
USGS073802516 Barataria Pass at Grand Isle	23	8	7	6	6	7	14	20	20	24	24	23
HWQ14 - Lake Washington	3	0	0	1	2	0	0	1	6	6	5	4
HWQ16 - Bayou Grand Liard	10	3	3	2	3	2	2	6	10	15	16	16
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	1
CRMS 0258	3	1	0	0	1	0	0	1	4	7	13	10
CRMS 0224	3	1	0	0	0	0	0	1	4	7	14	11
CRMS 0163	2	0	0	3	0	1	1	2	9	12	5	7
CRMS 0162	6	4	7	8	9	3	1	7	21	23	17	17

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-6	-6	-4	-4	-3	-4	-2	1	1	0	0
HWQ-08- At the Outfall	-6	-7	-4	-2	-2	-2	-2	-2	-3	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-8	-7	-3	-1	-2	-2	-2	-2	-2	-1	0	-4
Barataria Waterway at Lafitte (USACE82875)	-3	-5	-3	-2	-2	-2	-2	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-16	-10	-6	-3	-3	-4	-4	-6	-1	-1	-1	-3
USGS7380251 Barataria Bay North of Grand Isle	-10	-8	-6	-4	-4	-4	-5	-5	0	1	1	-1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-11	-11	-6	-5	-5	-5	-6	-5	-1	0	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-8	-7	-4	-3	-3	-4	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-2	-5	-5	-3	-3	-3	-2	-1	1	1	0	1
HWQ14 - Lake Washington	1	0	0	1	2	0	0	0	5	4	1	3
HWQ16 - Bayou Grand Liard	-5	0	-1	0	0	-1	-3	-2	1	3	1	2
CRMS 3985	0	-3	-2	-2	-2	-2	-1	-1	0	0	0	0
CRMS 0258	-10	-2	-1	0	0	-1	-2	-2	1	2	3	0
CRMS 0224	-14	-5	-3	-1	-1	-2	-3	-4	0	1	2	-1
CRMS 0163	1	0	0	1	0	1	0	1	8	8	2	5
CRMS 0162	2	1	1	2	2	1	1	3	8	7	0	3

Figure WQ SAL 214 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	20	13	7	5	4	10	18	16	19	21	15
HWQ-08- At the Outfall	6	10	6	2	1	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	12	8	2	1	1	2	2	5	4	7	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	2	1	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	16	10	4	3	3	3	7	5	8	14	11
USGS7380251 Barataria Bay North of Grand Isle	25	17	11	4	3	3	5	12	9	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	18	9	6	5	5	5	9	7	8	13	12
USGS 07380335 - Little Lake Near Cutoff	10	9	4	4	4	3	2	2	2	2	6	6
USGS073802516 Barataria Pass at Grand Isle	29	22	15	9	7	6	14	22	20	23	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	1	1	3	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	4	8	9	13	15	7
CRMS 3985	1	3	2	2	2	2	1	1	0	0	1	1
CRMS 0258	15	10	6	1	0	0	2	3	3	5	12	6
CRMS 0224	18	13	9	2	1	1	3	5	5	6	14	9
CRMS 0163	4	4	0	0	0	0	0	1	1	5	2	0
CRMS 0162	13	17	7	5	3	1	0	5	16	20	17	3

V3PR4_HYST - cy 5 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	17	8	2	1	1	6	19	18	20	22	10
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	5	5	0	0	0	0	0	0	3	3	6	0
Barataria Waterway at Lafitte (USACE82875)	3	4	1	0	0	0	0	0	0	0	2	0
USGS2928590900040000 Barataria Waterway South of Lafitte	18	13	1	0	0	0	0	4	5	6	13	1
USGS7380251 Barataria Bay North of Grand Isle	25	15	3	0	0	0	0	11	10	14	17	4
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	15	2	0	0	1	0	8	6	7	11	3
USGS 07380335 - Little Lake Near Cutoff	8	7	1	0	0	0	0	1	1	1	4	1
USGS073802516 Barataria Pass at Grand Isle	30	20	12	5	4	4	12	22	21	24	24	14
HWQ14 - Lake Washington	8	7	1	0	1	0	0	1	8	8	6	0
HWQ16 - Bayou Grand Liard	21	10	7	2	1	1	1	7	11	16	17	7
CRMS 3985	2	2	1	0	0	0	0	0	0	0	1	0
CRMS 0258	14	7	3	0	0	0	0	1	4	7	15	3
CRMS 0224	17	9	2	0	0	0	0	3	5	7	15	3
CRMS 0163	5	8	0	2	0	0	0	2	12	15	4	0
CRMS 0162	16	19	9	7	6	1	1	8	23	24	17	7

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-5	-5	-4	-2	-4	0	2	1	0	-5
HWQ-08- At the Outfall	-6	-10	-6	-2	-1	-2	-2	-2	-3	-3	-5	-6
CRMS0276 - Just east of Wilkinson Canal	-3	-6	-8	-2	-1	-1	-2	-2	-2	-1	-1	-8
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-3	-3	-2	-2	-1	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-3	-8	-4	-3	-3	-3	-3	0	-1	-2	-10
USGS7380251 Barataria Bay North of Grand Isle	0	-2	-8	-4	-3	-3	-4	-1	1	1	0	-8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-2	-7	-5	-4	-4	-4	-2	-1	-1	-1	-9
USGS 07380335 - Little Lake Near Cutoff	-2	-2	-3	-3	-3	-3	-2	-2	-1	-1	-1	-5
USGS073802516 Barataria Pass at Grand Isle	0	-2	-4	-4	-3	-2	-2	1	1	1	1	-3
HWQ14 - Lake Washington	0	5	0	0	1	0	0	0	7	5	2	0
HWQ16 - Bayou Grand Liard	0	-3	1	0	0	0	-2	-1	1	3	2	0
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	0	0	-1
CRMS 0258	-1	-3	-4	0	0	0	-2	-1	1	2	3	-3
CRMS 0224	-1	-4	-7	-1	-1	-1	-3	-2	0	1	1	-7
CRMS 0163	1	4	0	2	0	0	0	1	11	10	2	0
CRMS 0162	3	2	2	1	2	0	1	3	7	4	0	4

Figure WQ SAL 215 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	16	9	5	4	4	10	18	15	16	20	21
HWQ-08- At the Outfall	6	8	4	2	1	1	2	2	3	2	4	6
CRMS0276 - Just east of Wilkinson Canal	8	8	5	1	1	1	2	3	4	3	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	21	13	7	3	2	3	4	8	5	6	13	13
USGS7380251 Barataria Bay North of Grand Isle	24	13	7	3	2	3	5	11	8	10	15	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	15	7	4	3	4	5	10	6	6	11	12
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	28	18	12	6	6	8	14	21	18	20	23	24
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	1	4	3
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	8	8	9	15	16
CRMS 3985	1	2	2	2	2	2	2	1	1	1	1	1
CRMS 0258	13	5	2	0	0	0	2	3	2	3	10	11
CRMS 0224	17	9	4	1	1	1	3	5	4	4	11	12
CRMS 0163	2	1	0	0	0	0	0	1	1	3	3	3
CRMS 0162	7	7	5	3	3	2	0	4	11	12	17	15

V3PR5_HYST - cy 5 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	25	12	3	1	1	2	5	16	15	16	20	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	0	4	4
Barataria Waterway at Lafitte (USACE82875)	1	1	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	12	6	0	0	0	0	0	2	3	3	11	9
USGS7380251 Barataria Bay North of Grand Isle	20	8	0	0	0	0	0	8	7	9	15	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	14	8	0	0	0	1	0	5	4	5	10	9
USGS 07380335 - Little Lake Near Cutoff	5	2	0	0	0	0	0	0	1	0	4	3
USGS073802516 Barataria Pass at Grand Isle	27	16	7	3	3	5	11	20	18	21	23	20
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	4	3	5	4
HWQ16 - Bayou Grand Liard	17	7	3	1	1	1	1	6	8	11	16	11
CRMS 3985	1	1	0	0	0	0	0	0	0	0	0	0
CRMS 0258	9	3	1	0	0	0	0	1	2	3	12	8
CRMS 0224	10	4	0	0	0	0	0	1	3	3	12	9
CRMS 0163	3	2	0	0	0	1	0	2	6	8	5	5
CRMS 0162	11	11	6	4	5	2	0	8	19	17	16	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-4	-6	-4	-3	-3	-5	-2	0	0	0	-4
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-2	-3	-2	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-7	-7	-5	-1	-1	-1	-2	-3	-3	-2	-1	-5
Barataria Waterway at Lafitte (USACE82875)	-2	-4	-3	-2	-2	-2	-2	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-9	-7	-6	-3	-2	-3	-4	-6	-2	-3	-1	-4
USGS7380251 Barataria Bay North of Grand Isle	-3	-5	-7	-3	-2	-2	-4	-4	-1	-1	0	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-7	-7	-4	-3	-3	-5	-5	-2	-2	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-5	-6	-3	-3	-3	-3	-3	-3	-2	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	0	-2	-5	-3	-3	-3	-3	-1	0	1	0	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	3	2	1	1
HWQ16 - Bayou Grand Liard	-1	0	0	0	0	0	-2	-2	1	2	1	-4
CRMS 3985	0	-2	-2	-2	-2	-2	-1	-1	-1	-1	0	-1
CRMS 0258	-5	-2	-1	0	0	0	-2	-3	0	0	2	-3
CRMS 0224	-8	-5	-4	-1	-1	-1	-3	-4	-1	-1	1	-3
CRMS 0163	1	1	0	0	0	0	0	1	5	5	2	2
CRMS 0162	4	5	1	1	2	1	0	3	8	5	-1	-2

Figure WQ SAL 216 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	8	5	4	7	17	22	19	22	22	18
HWQ-08- At the Outfall	6	8	4	2	1	1	2	3	5	5	6	7
CRMS0276 - Just east of Wilkinson Canal	8	8	4	1	1	1	2	3	7	7	8	9
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	21	11	6	3	2	3	5	11	8	10	16	12
USGS7380251 Barataria Bay North of Grand Isle	24	11	6	3	3	3	9	16	13	16	18	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	14	7	4	4	5	8	14	9	10	14	13
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	4	3	3	7	6
USGS073802516 Barataria Pass at Grand Isle	28	15	10	8	6	11	21	25	22	25	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	1	3	4	6	4	0
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	8	12	13	16	15	10
CRMS 3985	1	3	2	2	2	2	2	1	1	1	1	1
CRMS 0258	14	4	2	0	0	1	3	5	5	9	13	7
CRMS 0224	17	7	3	1	1	2	4	8	8	10	15	10
CRMS 0163	2	0	0	0	0	1	1	3	6	10	2	0
CRMS 0162	8	3	4	4	4	4	2	11	23	24	16	7

V3PR5_HYST - cy 5 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	7	2	2	1	6	17	23	21	23	22	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	3	0	0	0	0	0	0	1	5	5	7	3
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	0	0	0	0	0	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	13	1	0	0	0	1	3	8	7	9	14	6
USGS7380251 Barataria Bay North of Grand Isle	21	4	0	0	0	1	8	16	14	17	18	11
USGS73802515 Hackberry Bay Northwest of Grand Isle	14	3	0	0	0	2	5	12	8	9	13	9
USGS 07380335 - Little Lake Near Cutoff	6	1	0	0	0	0	0	1	1	1	5	3
USGS073802516 Barataria Pass at Grand Isle	28	11	5	4	4	11	21	26	24	26	25	19
HWQ14 - Lake Washington	6	0	0	0	0	0	1	4	13	13	6	1
HWQ16 - Bayou Grand Liard	18	5	2	2	1	3	7	13	15	20	18	11
CRMS 3985	1	0	0	0	0	0	0	0	0	0	1	1
CRMS 0258	10	2	0	0	0	0	1	4	9	12	17	5
CRMS 0224	11	2	0	0	0	0	2	6	10	11	16	6
CRMS 0163	3	1	0	1	0	2	1	6	20	19	3	2
CRMS 0162	11	6	5	6	6	7	7	14	27	27	17	12

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-5	-6	-4	-3	-1	0	1	1	1	0	-2
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-3	-5	-5	-6	-7
CRMS0276 - Just east of Wilkinson Canal	-6	-8	-4	-1	-1	-1	-2	-3	-2	-2	-2	-6
Barataria Waterway at Lafitte (USACE82875)	-2	-5	-3	-2	-2	-2	-2	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-10	-6	-3	-2	-3	-2	-3	-1	-2	-1	-6
USGS7380251 Barataria Bay North of Grand Isle	-3	-8	-6	-3	-3	-2	-1	0	1	1	0	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6	-11	-7	-4	-4	-3	-2	-1	-1	-1	-2	-4
USGS 07380335 - Little Lake Near Cutoff	-5	-7	-4	-3	-3	-3	-2	-3	-2	-2	-2	-3
USGS073802516 Barataria Pass at Grand Isle	0	-4	-5	-3	-3	0	1	1	1	1	1	-1
HWQ14 - Lake Washington	1	0	0	0	0	0	0	1	9	7	2	1
HWQ16 - Bayou Grand Liard	0	0	0	0	0	0	-1	1	2	4	2	1
CRMS 3985	0	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
CRMS 0258	-4	-2	-1	0	0	0	-2	-1	3	3	3	-2
CRMS 0224	-7	-5	-3	-1	-1	-1	-2	-1	2	1	1	-4
CRMS 0163	1	1	0	1	0	1	0	3	14	10	2	1
CRMS 0162	4	3	1	2	2	3	5	3	4	2	1	5

Figure WQ SAL 217 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	16	15	10	10	10	20	26	23	22	20	18
HWQ-08- At the Outfall	6	9	5	3	3	3	3	3	7	6	6	6
CRMS0276 - Just east of Wilkinson Canal	8	10	6	3	3	3	3	4	10	9	8	7
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	3	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	14	8	5	5	6	7	15	11	13	15	11
USGS7380251 Barataria Bay North of Grand Isle	26	14	10	6	6	6	13	22	17	18	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	16	8	7	7	9	10	17	12	12	14	12
USGS 07380335 - Little Lake Near Cutoff	10	9	3	3	4	5	3	5	3	3	7	5
USGS073802516 Barataria Pass at Grand Isle	30	19	18	13	13	15	24	28	25	26	22	20
HWQ14 - Lake Washington	9	0	0	1	2	0	3	7	14	3	2	1
HWQ16 - Bayou Grand Liard	21	8	8	6	5	7	11	17	17	16	12	10
CRMS 3985	1	3	1	2	2	3	1	1	1	1	1	1
CRMS 0258	15	6	6	2	2	2	4	7	9	10	10	6
CRMS 0224	18	9	7	3	3	4	5	11	12	12	13	9
CRMS 0163	5	1	1	3	1	2	3	8	17	4	1	1
CRMS 0162	14	9	14	12	11	11	11	18	28	20	12	8

V3PR5_HYST - cy 5 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	14	12	8	7	9	20	27	23	24	21	17
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	5	0	1	0	0	0	0	1	6	6	7	3
Barataria Waterway at Lafitte (USACE82875)	3	1	0	0	0	1	1	0	0	0	2	1
USGS2928590900040000 Barataria Waterway South of Lafitte	18	4	3	2	1	3	4	11	9	10	14	9
USGS7380251 Barataria Bay North of Grand Isle	25	9	6	3	2	4	11	21	17	18	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	8	3	3	3	7	7	15	10	10	13	10
USGS 07380335 - Little Lake Near Cutoff	8	3	1	1	1	2	1	2	2	1	5	3
USGS073802516 Barataria Pass at Grand Isle	30	18	16	12	12	15	24	29	26	27	23	21
HWQ14 - Lake Washington	9	1	0	1	2	1	7	11	19	9	3	1
HWQ16 - Bayou Grand Liard	22	8	8	5	6	7	10	18	19	21	14	11
CRMS 3985	2	1	0	0	0	1	0	0	0	0	1	1
CRMS 0258	14	4	4	1	2	1	2	5	14	14	13	7
CRMS 0224	17	4	4	2	1	2	3	8	13	13	15	9
CRMS 0163	7	4	1	4	2	4	9	17	24	15	1	2
CRMS 0162	18	15	16	16	15	17	20	22	29	26	14	14

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-2	-2	-3	-1	0	1	0	1	1	0
HWQ-08- At the Outfall	-6	-9	-5	-3	-3	-3	-3	-3	-6	-6	-6	-6
CRMS0276 - Just east of Wilkinson Canal	-4	-9	-5	-2	-3	-2	-3	-3	-3	-3	-1	-4
Barataria Waterway at Lafitte (USACE82875)	-1	-4	-2	-2	-2	-2	-1	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-9	-5	-3	-4	-3	-4	-4	-2	-2	-1	-2
USGS7380251 Barataria Bay North of Grand Isle	0	-5	-4	-3	-4	-2	-1	0	0	1	1	-1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-8	-5	-4	-4	-2	-3	-2	-2	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-2	-6	-2	-2	-3	-3	-2	-3	-2	-2	-2	-2
USGS073802516 Barataria Pass at Grand Isle	0	-1	-1	-1	-1	0	0	1	0	1	1	0
HWQ14 - Lake Washington	0	1	0	1	1	0	4	4	6	7	1	0
HWQ16 - Bayou Grand Liard	0	0	0	0	1	0	-1	1	3	5	2	1
CRMS 3985	0	-1	-1	-2	-2	-2	-1	0	0	-1	-1	-1
CRMS 0258	-1	-2	-1	0	0	-1	-2	-2	5	5	3	0
CRMS 0224	-1	-5	-4	-2	-2	-1	-2	-2	2	1	2	0
CRMS 0163	1	3	1	1	1	1	6	9	7	10	1	1
CRMS 0162	4	6	2	4	4	6	9	4	0	6	2	6

Figure WQ SAL 218 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	9	6	7	6	12	18	15	18	20	19
HWQ-08- At the Outfall	6	7	4	2	2	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	7	3	1	2	2	2	2	4	4	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	3	2	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	20	10	6	3	3	4	4	7	5	7	13	12
USGS7380251 Barataria Bay North of Grand Isle	22	10	6	4	4	4	6	11	9	12	16	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	13	7	5	5	6	6	10	6	7	12	12
USGS 07380335 - Little Lake Near Cutoff	11	8	4	3	4	4	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	25	13	12	9	10	9	16	21	19	22	23	22
HWQ14 - Lake Washington	2	0	0	0	1	0	0	1	1	2	4	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	8	9	11	15	13
CRMS 3985	1	3	2	2	2	3	1	1	0	0	1	1
CRMS 0258	13	3	2	1	1	1	2	3	3	5	11	10
CRMS 0224	17	6	3	2	2	2	3	5	4	6	12	12
CRMS 0163	1	0	0	1	0	0	0	1	1	3	3	2
CRMS 0162	4	3	6	6	7	2	0	4	14	16	17	14

V3PR5_HYST - cy 5 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	20	5	4	2	3	3	7	16	16	20	21	19
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	3	3	6	4
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	4	0	0	0	0	0	0	2	4	6	13	10
USGS7380251 Barataria Bay North of Grand Isle	12	2	0	0	0	0	1	7	9	13	16	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	8	1	0	0	1	2	0	4	5	7	11	10
USGS 07380335 - Little Lake Near Cutoff	2	0	0	0	0	0	0	0	1	1	4	3
USGS073802516 Barataria Pass at Grand Isle	23	8	7	5	7	7	14	20	20	24	24	23
HWQ14 - Lake Washington	3	0	0	1	2	0	0	1	6	6	5	4
HWQ16 - Bayou Grand Liard	11	3	3	2	3	2	2	6	10	15	16	15
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	1
CRMS 0258	4	1	1	0	1	0	0	1	4	7	14	10
CRMS 0224	3	1	0	0	0	0	0	1	5	7	14	11
CRMS 0163	2	0	0	2	0	1	1	1	9	12	4	6
CRMS 0162	6	4	7	8	9	4	1	7	21	23	17	17

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-6	-6	-4	-4	-3	-4	-2	1	2	1	0
HWQ-08- At the Outfall	-6	-7	-4	-2	-2	-2	-2	-2	-3	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-8	-7	-3	-1	-2	-2	-2	-2	-2	0	-1	-4
Barataria Waterway at Lafitte (USACE82875)	-3	-5	-3	-2	-2	-2	-2	-1	-1	-1	-1	-1
USGS2928590900040000 Barataria Waterway South of Lafitte	-16	-10	-6	-3	-3	-4	-4	-6	-1	-1	-1	-2
USGS7380251 Barataria Bay North of Grand Isle	-10	-8	-6	-4	-4	-4	-5	-5	0	1	1	-1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-11	-11	-6	-5	-5	-5	-6	-6	-1	-1	-1	-2
USGS 07380335 - Little Lake Near Cutoff	-8	-8	-4	-3	-4	-4	-2	-2	-1	-1	-1	-2
USGS073802516 Barataria Pass at Grand Isle	-2	-5	-5	-4	-3	-2	-2	-1	1	1	1	0
HWQ14 - Lake Washington	1	0	0	1	2	0	0	0	5	4	1	3
HWQ16 - Bayou Grand Liard	-4	0	-1	0	1	0	-3	-2	1	4	2	2
CRMS 3985	-1	-3	-2	-2	-2	-2	-1	-1	0	0	0	-1
CRMS 0258	-9	-2	-1	0	0	-1	-2	-2	1	2	3	0
CRMS 0224	-13	-5	-3	-1	-1	-2	-3	-4	0	1	2	-1
CRMS 0163	1	0	0	1	0	1	0	1	8	8	2	4
CRMS 0162	1	1	1	2	2	2	1	3	7	7	0	3

Figure WQ SAL 219 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	20	13	7	5	4	10	18	16	19	21	15
HWQ-08- At the Outfall	6	10	6	2	1	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	12	8	2	1	1	2	2	5	4	7	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	2	1	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	16	10	4	3	3	3	7	5	8	14	11
USGS7380251 Barataria Bay North of Grand Isle	25	17	11	4	3	3	5	12	9	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	18	9	6	5	5	5	9	7	8	13	12
USGS 07380335 - Little Lake Near Cutoff	10	9	4	4	4	3	2	2	2	2	6	6
USGS073802516 Barataria Pass at Grand Isle	29	22	15	9	7	6	14	22	20	23	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	1	1	3	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	4	8	9	13	15	7
CRMS 3985	1	3	2	2	2	2	1	1	0	0	1	1
CRMS 0258	15	10	6	1	0	0	2	3	3	5	12	6
CRMS 0224	18	13	9	2	1	1	3	5	5	6	14	9
CRMS 0163	4	4	0	0	0	0	0	1	1	5	2	0
CRMS 0162	13	17	7	5	3	1	0	5	16	20	17	3

V3PR5_HYST - cy 5 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	17	8	2	1	1	6	19	18	21	22	10
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	5	5	0	0	0	0	0	0	3	4	6	0
Barataria Waterway at Lafitte (USACE82875)	3	4	1	0	0	0	0	0	0	0	2	0
USGS2928590900040000 Barataria Waterway South of Lafitte	19	12	1	0	0	0	0	4	5	7	13	1
USGS7380251 Barataria Bay North of Grand Isle	25	14	3	0	0	0	0	11	11	14	17	5
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	15	2	0	0	1	0	7	6	7	11	3
USGS 07380335 - Little Lake Near Cutoff	8	7	1	0	0	0	0	1	1	1	4	1
USGS073802516 Barataria Pass at Grand Isle	30	20	12	5	4	4	12	22	21	25	24	14
HWQ14 - Lake Washington	8	7	1	0	1	0	0	1	8	10	6	0
HWQ16 - Bayou Grand Liard	21	10	8	2	1	1	1	7	11	17	17	7
CRMS 3985	2	2	1	0	0	0	0	0	0	0	0	0
CRMS 0258	14	7	3	0	0	0	0	1	4	8	16	4
CRMS 0224	17	9	2	0	0	0	0	3	6	8	15	3
CRMS 0163	5	9	1	1	0	0	0	2	13	17	4	0
CRMS 0162	16	20	9	7	5	1	1	9	23	25	17	8

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-5	-5	-4	-3	-4	0	2	2	1	-5
HWQ-08- At the Outfall	-6	-10	-6	-2	-1	-2	-2	-2	-3	-3	-5	-6
CRMS0276 - Just east of Wilkinson Canal	-3	-6	-8	-2	-1	-1	-2	-2	-1	0	-1	-8
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-3	-3	-2	-2	-1	-1	-1	-1	-1	-3
USGS2928590900040000 Barataria Waterway South of Lafitte	-3	-4	-8	-4	-3	-3	-3	-3	0	-1	-1	-10
USGS7380251 Barataria Bay North of Grand Isle	-1	-3	-8	-4	-3	-3	-4	-1	1	2	1	-8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1	-3	-7	-5	-4	-4	-4	-2	-1	0	-1	-9
USGS 07380335 - Little Lake Near Cutoff	-2	-2	-3	-3	-3	-3	-2	-2	-1	-1	-1	-5
USGS073802516 Barataria Pass at Grand Isle	0	-2	-4	-4	-3	-2	-2	0	1	2	1	-3
HWQ14 - Lake Washington	0	6	1	0	1	0	0	0	7	7	2	0
HWQ16 - Bayou Grand Liard	0	-2	2	0	0	0	-2	-1	2	4	2	0
CRMS 3985	0	-1	-1	-2	-2	-2	-1	-1	0	0	0	-1
CRMS 0258	-1	-3	-3	0	0	0	-2	-1	1	3	3	-2
CRMS 0224	-1	-4	-7	-1	-1	-1	-3	-2	1	2	2	-6
CRMS 0163	1	5	0	1	0	0	0	1	11	11	2	0
CRMS 0162	3	2	2	2	2	0	1	4	7	5	0	4

Figure WQ SAL 220 - Monthly Average Salinity (ppt) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	16	9	5	4	4	10	18	15	16	20	21
HWQ-08- At the Outfall	6	8	4	2	1	1	2	2	3	2	4	6
CRMS0276 - Just east of Wilkinson Canal	8	8	5	1	1	1	2	3	4	3	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	21	13	7	3	2	3	4	8	5	6	13	13
USGS7380251 Barataria Bay North of Grand Isle	24	13	7	3	2	3	5	11	8	10	15	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	15	7	4	3	4	5	10	6	6	11	12
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	28	18	12	6	6	8	14	21	18	20	23	24
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	1	4	3
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	8	8	9	15	16
CRMS 3985	1	2	2	2	2	2	2	1	1	1	1	1
CRMS 0258	13	5	2	0	0	0	2	3	2	3	10	11
CRMS 0224	17	9	4	1	1	1	3	5	4	4	11	12
CRMS 0163	2	1	0	0	0	0	0	1	1	3	3	3
CRMS 0162	7	7	5	3	3	2	0	4	11	12	17	15

V3PR6_HYST - cy 5 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	8	1	0	0	1	2	14	14	13	19	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	0	5	7
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	4	3	0	0	0	0	0	1	2	1	10	7
USGS7380251 Barataria Bay North of Grand Isle	13	4	0	0	0	0	0	3	5	5	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	5	0	0	0	0	0	3	4	3	10	9
USGS 07380335 - Little Lake Near Cutoff	3	1	0	0	0	0	0	0	1	0	3	2
USGS073802516 Barataria Pass at Grand Isle	26	12	3	1	1	3	7	19	18	19	22	21
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	3	2	4	2
HWQ16 - Bayou Grand Liard	15	6	2	1	0	1	0	5	8	8	15	12
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	6	2	0	0	0	0	0	0	2	2	11	8
CRMS 0224	5	2	0	0	0	0	0	1	3	2	11	9
CRMS 0163	3	1	0	0	0	0	0	2	4	5	4	3
CRMS 0162	10	11	6	4	4	2	0	7	17	16	17	15

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-7	-9	-4	-4	-4	-8	-4	-1	-3	-1	-3
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-2	-3	-2	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-7	-8	-5	-1	-1	-1	-2	-3	-3	-3	-1	-1
Barataria Waterway at Lafitte (USACE82875)	-3	-4	-3	-2	-2	-2	-2	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-16	-10	-7	-3	-2	-3	-4	-7	-3	-5	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-11	-9	-7	-3	-2	-3	-5	-8	-3	-5	-2	-4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-11	-10	-7	-4	-3	-4	-5	-7	-3	-3	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-7	-7	-3	-3	-3	-3	-3	-3	-2	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	-2	-5	-9	-5	-4	-5	-7	-2	0	-1	-1	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	3	0	0	-1
HWQ16 - Bayou Grand Liard	-2	-2	-1	0	0	-1	-3	-3	0	-1	0	-4
CRMS 3985	0	-2	-2	-2	-2	-2	-2	-1	-1	-1	0	-1
CRMS 0258	-7	-3	-2	0	0	0	-2	-3	0	-1	0	-2
CRMS 0224	-12	-6	-4	-1	-1	-1	-3	-5	-1	-2	0	-3
CRMS 0163	1	1	0	0	0	0	0	1	3	2	1	0
CRMS 0162	3	5	1	1	1	1	0	3	6	4	0	0

Figure WQ SAL 221 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	8	5	4	7	17	22	19	22	22	18
HWQ-08- At the Outfall	6	8	4	2	1	1	2	3	5	5	6	7
CRMS0276 - Just east of Wilkinson Canal	8	8	4	1	1	1	2	3	7	7	8	9
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	21	11	6	3	2	3	5	11	8	10	16	12
USGS7380251 Barataria Bay North of Grand Isle	24	11	6	3	3	3	9	16	13	16	18	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	14	7	4	4	5	8	14	9	10	14	13
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	4	3	3	7	6
USGS073802516 Barataria Pass at Grand Isle	28	15	10	8	6	11	21	25	22	25	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	1	3	4	6	4	0
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	8	12	13	16	15	10
CRMS 3985	1	3	2	2	2	2	2	1	1	1	1	1
CRMS 0258	14	4	2	0	0	1	3	5	5	9	13	7
CRMS 0224	17	7	3	1	1	2	4	8	8	10	15	10
CRMS 0163	2	0	0	0	0	1	1	3	6	10	2	0
CRMS 0162	8	3	4	4	4	4	2	11	23	24	16	7

V3PR6_HYST - cy 5 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	3	0	0	0	5	17	23	20	22	21	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	5	0	0	0	0	0	0	0	4	7	9	7
Barataria Waterway at Lafitte (USACE82875)	2	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	7	0	0	0	0	0	1	6	6	6	13	5
USGS7380251 Barataria Bay North of Grand Isle	14	1	0	0	0	1	7	14	11	14	17	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	1	0	0	0	1	5	13	7	8	12	6
USGS 07380335 - Little Lake Near Cutoff	5	0	0	0	0	0	0	1	1	1	4	2
USGS073802516 Barataria Pass at Grand Isle	26	6	2	2	2	10	21	26	23	26	24	17
HWQ14 - Lake Washington	6	0	0	0	0	0	1	3	11	10	4	0
HWQ16 - Bayou Grand Liard	17	3	1	1	1	3	7	13	14	18	16	9
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	9	1	0	0	0	0	1	4	7	10	15	4
CRMS 0224	8	0	0	0	0	0	1	6	8	9	15	5
CRMS 0163	3	1	0	1	0	2	1	5	15	17	3	1
CRMS 0162	10	6	5	6	5	6	5	14	26	26	16	12

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-10	-8	-5	-4	-2	0	1	1	1	-1	-5
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-3	-5	-5	-6	-7
CRMS0276 - Just east of Wilkinson Canal	-3	-8	-4	-1	-1	-1	-2	-3	-3	0	1	-2
Barataria Waterway at Lafitte (USACE82875)	-2	-5	-3	-2	-2	-2	-2	-1	-1	-1	-2	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-14	-11	-6	-3	-2	-3	-4	-6	-2	-5	-3	-8
USGS7380251 Barataria Bay North of Grand Isle	-10	-10	-6	-3	-3	-3	-2	-2	-2	-2	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-13	-7	-4	-4	-4	-3	-1	-2	-2	-2	-6
USGS 07380335 - Little Lake Near Cutoff	-6	-8	-4	-3	-3	-3	-3	-2	-2	-2	-3	-4
USGS073802516 Barataria Pass at Grand Isle	-2	-9	-8	-6	-5	-1	0	1	1	0	0	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	6	4	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	0	-1	-1	0	1	2	1	-1
CRMS 3985	0	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
CRMS 0258	-5	-3	-2	0	0	-1	-2	-1	2	1	2	-3
CRMS 0224	-9	-6	-3	-1	-1	-2	-2	-2	0	-1	0	-5
CRMS 0163	1	1	0	1	0	1	0	2	10	7	1	1
CRMS 0162	3	3	1	2	1	2	3	3	3	2	1	5

Figure WQ SAL 222 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	16	15	10	10	10	20	26	23	22	20	18
HWQ-08- At the Outfall	6	9	5	3	3	3	3	3	7	6	6	6
CRMS0276 - Just east of Wilkinson Canal	8	10	6	3	3	3	3	4	10	9	8	7
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	3	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	14	8	5	5	6	7	15	11	13	15	11
USGS7380251 Barataria Bay North of Grand Isle	26	14	10	6	6	6	13	22	17	18	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	16	8	7	7	9	10	17	12	12	14	12
USGS 07380335 - Little Lake Near Cutoff	10	9	3	3	4	5	3	5	3	3	7	5
USGS073802516 Barataria Pass at Grand Isle	30	19	18	13	13	15	24	28	25	26	22	20
HWQ14 - Lake Washington	9	0	0	1	2	0	3	7	14	3	2	1
HWQ16 - Bayou Grand Liard	21	8	8	6	5	7	11	17	17	16	12	10
CRMS 3985	1	3	1	2	2	3	1	1	1	1	1	1
CRMS 0258	15	6	6	2	2	2	4	7	9	10	10	6
CRMS 0224	18	9	7	3	3	4	5	11	12	12	13	9
CRMS 0163	5	1	1	3	1	2	3	8	17	4	1	1
CRMS 0162	14	9	14	12	11	11	11	18	28	20	12	8

V3PR6_HYST - cy 5 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	10	10	6	5	9	21	27	20	17	17	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	9	0	1	0	0	0	0	0	5	4	6	6
Barataria Waterway at Lafitte (USACE82875)	3	0	0	0	0	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	1	1	1	0	2	3	7	6	5	9	6
USGS7380251 Barataria Bay North of Grand Isle	23	4	4	2	1	3	10	18	10	10	12	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	4	2	2	1	5	8	15	8	7	10	8
USGS 07380335 - Little Lake Near Cutoff	8	2	1	0	0	1	1	2	1	1	3	2
USGS073802516 Barataria Pass at Grand Isle	30	15	15	11	10	15	25	29	23	22	20	20
HWQ14 - Lake Washington	9	1	0	1	2	0	4	9	5	3	2	1
HWQ16 - Bayou Grand Liard	21	6	7	5	4	6	10	18	13	11	11	11
CRMS 3985	2	1	0	0	0	1	0	0	0	0	0	0
CRMS 0258	15	3	3	1	1	1	2	6	8	5	8	6
CRMS 0224	16	2	2	1	1	1	3	7	8	6	10	7
CRMS 0163	6	3	1	4	1	3	6	12	6	4	1	2
CRMS 0162	17	14	14	15	14	14	18	21	24	15	15	13

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-6	-4	-4	-5	-2	0	1	-3	-5	-3	-1
HWQ-08- At the Outfall	-6	-9	-5	-3	-3	-3	-3	-3	-6	-6	-6	-6
CRMS0276 - Just east of Wilkinson Canal	0	-9	-6	-3	-3	-2	-3	-4	-5	-5	-2	-1
Barataria Waterway at Lafitte (USACE82875)	-1	-5	-2	-2	-2	-2	-1	-1	-1	-2	-2	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-13	-7	-4	-4	-4	-4	-8	-6	-8	-6	-5
USGS7380251 Barataria Bay North of Grand Isle	-2	-10	-6	-4	-5	-3	-3	-3	-6	-8	-5	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-12	-6	-5	-6	-4	-2	-2	-5	-5	-4	-4
USGS 07380335 - Little Lake Near Cutoff	-3	-7	-3	-3	-3	-3	-2	-3	-2	-3	-4	-3
USGS073802516 Barataria Pass at Grand Isle	0	-3	-3	-2	-4	-1	1	1	-3	-4	-2	0
HWQ14 - Lake Washington	0	1	0	0	1	0	2	2	-9	0	0	0
HWQ16 - Bayou Grand Liard	0	-2	-1	-1	0	-1	0	1	-4	-5	-1	0
CRMS 3985	0	-2	-1	-2	-2	-2	-1	0	0	-1	-1	-1
CRMS 0258	1	-3	-3	-1	-1	-1	-2	-1	-1	-4	-2	0
CRMS 0224	-2	-8	-5	-2	-3	-2	-2	-3	-3	-6	-3	-2
CRMS 0163	1	2	0	1	0	0	3	5	-10	0	0	1
CRMS 0162	3	5	1	3	2	3	6	3	-4	-5	3	4

Figure WQ SAL 223 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	9	6	7	6	12	18	15	18	20	19
HWQ-08- At the Outfall	6	7	4	2	2	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	7	3	1	2	2	2	2	4	4	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	3	2	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	20	10	6	3	3	4	4	7	5	7	13	12
USGS7380251 Barataria Bay North of Grand Isle	22	10	6	4	4	4	6	11	9	12	16	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	13	7	5	5	6	6	10	6	7	12	12
USGS 07380335 - Little Lake Near Cutoff	11	8	4	3	4	4	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	25	13	12	9	10	9	16	21	19	22	23	22
HWQ14 - Lake Washington	2	0	0	0	1	0	0	1	1	2	4	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	8	9	11	15	13
CRMS 3985	1	3	2	2	2	3	1	1	0	0	1	1
CRMS 0258	13	3	2	1	1	1	2	3	3	5	11	10
CRMS 0224	17	6	3	2	2	2	3	5	4	6	12	12
CRMS 0163	1	0	0	1	0	0	0	1	1	3	3	2
CRMS 0162	4	3	6	6	7	2	0	4	14	16	17	14

V3PR6_HYST - cy 5 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	12	1	1	1	1	1	3	13	15	18	20	19
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	4	7	8
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	1	3	4	11	8
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	0	3	7	10	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	0	0	3	5	6	11	9
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	1	0	3	2
USGS073802516 Barataria Pass at Grand Isle	17	4	4	3	4	5	10	18	19	23	23	22
HWQ14 - Lake Washington	2	0	0	1	2	0	0	1	3	3	4	2
HWQ16 - Bayou Grand Liard	7	2	2	2	2	1	1	4	8	12	15	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	3	6	12	9
CRMS 0224	0	0	0	0	0	0	0	1	3	6	12	10
CRMS 0163	2	0	0	3	0	1	0	1	4	7	3	5
CRMS 0162	6	4	8	8	9	3	1	7	19	20	17	16

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-12	-10	-8	-6	-6	-5	-8	-5	0	0	-1	-1
HWQ-08- At the Outfall	-6	-7	-4	-2	-2	-2	-2	-2	-3	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-8	-7	-3	-1	-2	-2	-2	-2	-3	0	1	0
Barataria Waterway at Lafitte (USACE82875)	-4	-5	-3	-2	-2	-3	-2	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-20	-10	-6	-3	-3	-4	-4	-7	-2	-3	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-19	-9	-6	-4	-4	-4	-6	-8	-2	-2	-1	-2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-16	-12	-7	-5	-5	-6	-6	-7	-2	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-9	-8	-4	-3	-4	-4	-3	-3	-1	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	-8	-9	-8	-6	-6	-5	-6	-3	0	0	0	0
HWQ14 - Lake Washington	0	0	0	0	2	0	0	0	2	2	0	1
HWQ16 - Bayou Grand Liard	-8	-2	-2	-1	-1	-1	-4	-4	0	1	0	1
CRMS 3985	-1	-3	-2	-2	-2	-3	-1	-1	0	0	0	-1
CRMS 0258	-12	-3	-2	-1	-1	-1	-2	-3	0	1	1	0
CRMS 0224	-16	-5	-3	-2	-2	-2	-3	-4	-1	0	0	-2
CRMS 0163	1	0	0	1	0	1	0	0	3	3	1	3
CRMS 0162	2	1	2	2	2	1	1	3	5	4	0	2

Figure WQ SAL 224 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	20	13	7	5	4	10	18	16	19	21	15
HWQ-08- At the Outfall	6	10	6	2	1	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	12	8	2	1	1	2	2	5	4	7	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	2	1	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	16	10	4	3	3	3	7	5	8	14	11
USGS7380251 Barataria Bay North of Grand Isle	25	17	11	4	3	3	5	12	9	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	18	9	6	5	5	5	9	7	8	13	12
USGS 07380335 - Little Lake Near Cutoff	10	9	4	4	4	3	2	2	2	2	6	6
USGS073802516 Barataria Pass at Grand Isle	29	22	15	9	7	6	14	22	20	23	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	1	1	3	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	4	8	9	13	15	7
CRMS 3985	1	3	2	2	2	2	1	1	0	0	1	1
CRMS 0258	15	10	6	1	0	0	2	3	3	5	12	6
CRMS 0224	18	13	9	2	1	1	3	5	5	6	14	9
CRMS 0163	4	4	0	0	0	0	0	1	1	5	2	0
CRMS 0162	13	17	7	5	3	1	0	5	16	20	17	3

V3PR6_HYST - cy 5 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	17	4	1	0	0	3	18	16	20	21	5
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	9	9	1	0	0	0	0	0	2	4	8	1
Barataria Waterway at Lafitte (USACE82875)	3	3	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	15	11	1	0	0	0	0	2	4	4	12	0
USGS7380251 Barataria Bay North of Grand Isle	23	13	2	0	0	0	0	8	8	11	16	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	14	1	0	0	0	0	6	5	7	12	1
USGS 07380335 - Little Lake Near Cutoff	8	6	1	0	0	0	0	0	1	0	4	1
USGS073802516 Barataria Pass at Grand Isle	29	20	8	3	2	2	9	21	20	24	23	9
HWQ14 - Lake Washington	8	3	0	0	1	0	0	1	5	6	4	0
HWQ16 - Bayou Grand Liard	20	10	5	1	0	0	1	7	10	15	16	5
CRMS 3985	2	2	0	0	0	0	0	0	0	0	0	0
CRMS 0258	16	8	2	0	0	0	0	1	4	7	14	2
CRMS 0224	16	10	1	0	0	0	0	2	4	6	14	1
CRMS 0163	5	6	0	1	0	0	0	2	8	12	3	0
CRMS 0162	15	20	9	6	5	1	1	8	22	24	17	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-3	-9	-6	-5	-3	-7	-1	0	1	-1	-10
HWQ-08- At the Outfall	-6	-10	-6	-2	-1	-2	-2	-2	-3	-3	-5	-6
CRMS0276 - Just east of Wilkinson Canal	0	-3	-7	-2	-1	-1	-2	-2	-2	0	1	-7
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-3	-3	-2	-2	-1	-1	-1	-1	-1	-3
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-5	-9	-4	-3	-3	-3	-5	-1	-3	-3	-11
USGS7380251 Barataria Bay North of Grand Isle	-2	-4	-9	-4	-3	-3	-5	-4	-2	-2	-1	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-8	-6	-5	-5	-5	-3	-2	-1	-1	-11
USGS 07380335 - Little Lake Near Cutoff	-3	-3	-3	-3	-4	-3	-2	-2	-1	-1	-2	-5
USGS073802516 Barataria Pass at Grand Isle	0	-2	-8	-6	-5	-4	-6	0	0	1	0	-8
HWQ14 - Lake Washington	-1	2	0	0	1	0	0	0	4	3	0	0
HWQ16 - Bayou Grand Liard	0	-2	0	-1	-1	-1	-3	-1	0	2	0	-2
CRMS 3985	0	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
CRMS 0258	1	-2	-5	-1	0	0	-2	-2	1	1	2	-4
CRMS 0224	-2	-3	-8	-2	-1	-1	-3	-3	0	0	1	-8
CRMS 0163	0	2	0	1	0	0	0	1	6	7	1	0
CRMS 0162	2	2	1	1	1	0	1	3	5	4	0	3

Figure WQ SAL 225 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	16	9	5	4	4	10	18	15	16	20	21
HWQ-08- At the Outfall	6	8	4	2	1	1	2	2	3	2	4	6
CRMS0276 - Just east of Wilkinson Canal	8	8	5	1	1	1	2	3	4	3	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	21	13	7	3	2	3	4	8	5	6	13	13
USGS7380251 Barataria Bay North of Grand Isle	24	13	7	3	2	3	5	11	8	10	15	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	15	7	4	3	4	5	10	6	6	11	12
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	28	18	12	6	6	8	14	21	18	20	23	24
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	1	4	3
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	8	8	9	15	16
CRMS 3985	1	2	2	2	2	2	2	1	1	1	1	1
CRMS 0258	13	5	2	0	0	0	2	3	2	3	10	11
CRMS 0224	17	9	4	1	1	1	3	5	4	4	11	12
CRMS 0163	2	1	0	0	0	0	0	1	1	3	3	3
CRMS 0162	7	7	5	3	3	2	0	4	11	12	17	15

V3PR7_HYST - cy 5 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	8	1	0	0	1	2	14	14	13	19	19
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	1	1	0	0	0	0	0	0	1	0	5	7
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	4	3	0	0	0	0	0	0	2	1	10	8
USGS7380251 Barataria Bay North of Grand Isle	13	4	0	0	0	0	0	3	5	5	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	10	5	0	0	0	0	0	3	4	3	10	9
USGS 07380335 - Little Lake Near Cutoff	3	1	0	0	0	0	0	0	1	0	3	2
USGS073802516 Barataria Pass at Grand Isle	26	12	3	1	1	3	7	19	17	19	22	23
HWQ14 - Lake Washington	5	0	0	0	0	0	0	1	3	2	4	5
HWQ16 - Bayou Grand Liard	15	6	2	1	0	0	0	5	7	8	15	16
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	6	2	0	0	0	0	0	0	2	2	11	10
CRMS 0224	5	2	0	0	0	0	0	1	3	2	11	10
CRMS 0163	3	1	0	0	0	0	0	2	4	5	4	5
CRMS 0162	10	11	6	3	5	3	0	7	17	16	18	17

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-7	-9	-4	-4	-4	-8	-4	-1	-3	-1	-1
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-2	-3	-2	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-7	-8	-5	-1	-1	-1	-2	-3	-3	-3	-1	-1
Barataria Waterway at Lafitte (USACE82875)	-3	-4	-3	-2	-2	-2	-2	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-16	-10	-7	-3	-2	-3	-4	-7	-3	-5	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-11	-9	-7	-3	-2	-3	-5	-8	-3	-5	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-11	-10	-7	-4	-3	-4	-5	-7	-3	-3	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-7	-7	-3	-3	-3	-3	-3	-3	-2	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	-2	-6	-9	-5	-4	-5	-7	-2	-1	-2	-1	-1
HWQ14 - Lake Washington	-1	0	0	0	0	0	0	0	3	0	0	2
HWQ16 - Bayou Grand Liard	-2	-2	-1	-1	0	-1	-3	-3	0	-1	0	0
CRMS 3985	0	-2	-2	-2	-2	-2	-2	-1	-1	-1	0	-1
CRMS 0258	-7	-3	-2	0	0	0	-2	-3	0	-1	0	-1
CRMS 0224	-12	-6	-4	-1	-1	-1	-3	-5	-1	-2	0	-2
CRMS 0163	1	1	0	0	0	0	0	1	3	2	1	3
CRMS 0162	3	4	2	1	1	1	0	2	5	4	0	3

Figure WQ SAL 226 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	8	5	4	7	17	22	19	22	22	18
HWQ-08- At the Outfall	6	8	4	2	1	1	2	3	5	5	6	7
CRMS0276 - Just east of Wilkinson Canal	8	8	4	1	1	1	2	3	7	7	8	9
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	21	11	6	3	2	3	5	11	8	10	16	12
USGS7380251 Barataria Bay North of Grand Isle	24	11	6	3	3	3	9	16	13	16	18	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	14	7	4	4	5	8	14	9	10	14	13
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	4	3	3	7	6
USGS073802516 Barataria Pass at Grand Isle	28	15	10	8	6	11	21	25	22	25	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	1	3	4	6	4	0
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	8	12	13	16	15	10
CRMS 3985	1	3	2	2	2	2	2	1	1	1	1	1
CRMS 0258	14	4	2	0	0	1	3	5	5	9	13	7
CRMS 0224	17	7	3	1	1	2	4	8	8	10	15	10
CRMS 0163	2	0	0	0	0	1	1	3	6	10	2	0
CRMS 0162	8	3	4	4	4	4	2	11	23	24	16	7

V3PR7_HYST - cy 5 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	3	0	0	0	6	16	22	20	22	21	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	5	0	0	0	0	0	0	0	4	7	9	7
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	7	0	0	0	0	0	1	5	6	6	13	4
USGS7380251 Barataria Bay North of Grand Isle	14	1	0	0	0	1	7	14	11	14	16	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	1	0	0	0	1	5	13	7	8	12	6
USGS 07380335 - Little Lake Near Cutoff	5	0	0	0	0	0	0	2	1	1	4	2
USGS073802516 Barataria Pass at Grand Isle	26	6	2	2	2	10	21	25	23	26	24	17
HWQ14 - Lake Washington	6	0	0	0	0	0	1	3	10	10	4	1
HWQ16 - Bayou Grand Liard	17	2	1	1	0	3	7	12	13	18	16	9
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	8	1	0	0	0	0	1	4	7	10	15	4
CRMS 0224	8	0	0	0	0	0	1	5	8	9	15	5
CRMS 0163	3	1	0	1	0	2	1	5	15	17	3	1
CRMS 0162	10	6	5	5	5	6	4	14	26	26	17	12

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-10	-7	-5	-4	-1	0	0	1	0	-1	-5
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-3	-5	-5	-6	-7
CRMS0276 - Just east of Wilkinson Canal	-3	-8	-4	-1	-1	-1	-2	-3	-3	0	1	-2
Barataria Waterway at Lafitte (USACE82875)	-2	-5	-3	-2	-2	-2	-2	-1	-1	-1	-2	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-14	-11	-6	-3	-2	-3	-4	-6	-2	-5	-3	-8
USGS7380251 Barataria Bay North of Grand Isle	-10	-10	-6	-3	-3	-3	-3	-2	-2	-2	-2	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-13	-7	-4	-4	-4	-3	-1	-2	-2	-2	-6
USGS 07380335 - Little Lake Near Cutoff	-6	-8	-4	-3	-3	-3	-3	-2	-2	-2	-3	-4
USGS073802516 Barataria Pass at Grand Isle	-2	-9	-8	-6	-5	-1	0	0	0	0	0	-3
HWQ14 - Lake Washington	0	0	0	0	0	0	0	0	6	4	0	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	0	1	2	1	-2
CRMS 3985	0	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
CRMS 0258	-5	-3	-2	0	0	-1	-2	-1	2	1	2	-3
CRMS 0224	-9	-6	-3	-1	-1	-2	-2	-2	0	-1	0	-6
CRMS 0163	1	1	0	1	0	1	0	2	10	7	1	1
CRMS 0162	3	3	1	1	1	2	3	3	3	2	1	4

Figure WQ SAL 227 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	16	15	10	10	10	20	26	23	22	20	18
HWQ-08- At the Outfall	6	9	5	3	3	3	3	3	7	6	6	6
CRMS0276 - Just east of Wilkinson Canal	8	10	6	3	3	3	3	4	10	9	8	7
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	3	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	14	8	5	5	6	7	15	11	13	15	11
USGS7380251 Barataria Bay North of Grand Isle	26	14	10	6	6	6	13	22	17	18	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	16	8	7	7	9	10	17	12	12	14	12
USGS 07380335 - Little Lake Near Cutoff	10	9	3	3	4	5	3	5	3	3	7	5
USGS073802516 Barataria Pass at Grand Isle	30	19	18	13	13	15	24	28	25	26	22	20
HWQ14 - Lake Washington	9	0	0	1	2	0	3	7	14	3	2	1
HWQ16 - Bayou Grand Liard	21	8	8	6	5	7	11	17	17	16	12	10
CRMS 3985	1	3	1	2	2	3	1	1	1	1	1	1
CRMS 0258	15	6	6	2	2	2	4	7	9	10	10	6
CRMS 0224	18	9	7	3	3	4	5	11	12	12	13	9
CRMS 0163	5	1	1	3	1	2	3	8	17	4	1	1
CRMS 0162	14	9	14	12	11	11	11	18	28	20	12	8

V3PR7_HYST - cy 5 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	10	10	6	5	8	20	26	23	23	19	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	9	0	1	0	0	0	0	1	5	8	9	7
Barataria Waterway at Lafitte (USACE82875)	3	0	0	0	0	1	1	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	1	1	1	0	2	3	6	8	7	12	7
USGS7380251 Barataria Bay North of Grand Isle	23	3	4	2	1	3	10	17	14	15	15	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	4	2	2	1	5	7	15	9	9	12	8
USGS 07380335 - Little Lake Near Cutoff	8	2	1	0	0	1	1	2	1	1	4	2
USGS073802516 Barataria Pass at Grand Isle	30	15	15	10	10	15	24	29	25	26	22	20
HWQ14 - Lake Washington	8	1	0	1	2	0	4	9	17	6	2	1
HWQ16 - Bayou Grand Liard	21	6	7	5	4	6	10	17	18	18	12	10
CRMS 3985	2	1	0	0	0	1	0	0	0	0	0	0
CRMS 0258	15	2	3	1	1	1	2	5	11	12	11	6
CRMS 0224	15	2	2	1	1	1	3	7	11	11	13	7
CRMS 0163	6	3	1	4	1	3	5	13	23	10	1	2
CRMS 0162	17	14	14	14	14	14	17	21	29	25	14	12

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-6	-4	-4	-5	-2	0	0	0	0	-1	-1
HWQ-08- At the Outfall	-6	-9	-5	-3	-3	-3	-3	-3	-6	-6	-6	-6
CRMS0276 - Just east of Wilkinson Canal	0	-9	-6	-3	-3	-2	-3	-4	-4	0	1	-1
Barataria Waterway at Lafitte (USACE82875)	-1	-5	-2	-2	-2	-2	-1	-1	-1	-2	-2	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-13	-7	-4	-4	-4	-5	-8	-4	-6	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-2	-11	-6	-4	-5	-3	-3	-4	-3	-3	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-12	-6	-5	-6	-4	-3	-2	-3	-3	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-3	-7	-3	-3	-3	-3	-2	-4	-2	-3	-3	-3
USGS073802516 Barataria Pass at Grand Isle	0	-4	-3	-3	-3	-1	0	0	0	0	0	-1
HWQ14 - Lake Washington	-1	0	0	0	1	0	1	2	4	3	0	0
HWQ16 - Bayou Grand Liard	0	-2	-1	-1	0	-1	-1	0	1	2	0	-1
CRMS 3985	0	-2	-1	-2	-2	-2	-1	0	0	-1	-1	-1
CRMS 0258	0	-4	-3	-1	-1	-1	-2	-2	2	2	1	-1
CRMS 0224	-3	-8	-5	-2	-3	-2	-2	-4	-1	-1	0	-2
CRMS 0163	0	2	0	1	0	0	2	5	6	6	0	0
CRMS 0162	3	5	1	2	2	3	6	2	0	5	2	4

Figure WQ SAL 228 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	9	6	7	6	12	18	15	18	20	19
HWQ-08- At the Outfall	6	7	4	2	2	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	7	3	1	2	2	2	2	4	4	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	3	2	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	20	10	6	3	3	4	4	7	5	7	13	12
USGS7380251 Barataria Bay North of Grand Isle	22	10	6	4	4	4	6	11	9	12	16	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	13	7	5	5	6	6	10	6	7	12	12
USGS 07380335 - Little Lake Near Cutoff	11	8	4	3	4	4	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	25	13	12	9	10	9	16	21	19	22	23	22
HWQ14 - Lake Washington	2	0	0	0	1	0	0	1	1	2	4	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	8	9	11	15	13
CRMS 3985	1	3	2	2	2	3	1	1	0	0	1	1
CRMS 0258	13	3	2	1	1	1	2	3	3	5	11	10
CRMS 0224	17	6	3	2	2	2	3	5	4	6	12	12
CRMS 0163	1	0	0	1	0	0	0	1	1	3	3	2
CRMS 0162	4	3	6	6	7	2	0	4	14	16	17	14

V3PR7_HYST - cy 5 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	12	1	1	1	1	1	3	13	15	19	20	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	2	4	7	8
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	1	3	4	11	8
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	0	3	6	10	14	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	0	0	3	5	6	11	9
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	1	0	3	2
USGS073802516 Barataria Pass at Grand Isle	17	4	4	3	4	4	10	18	19	23	23	22
HWQ14 - Lake Washington	2	0	0	1	2	0	0	1	2	4	4	2
HWQ16 - Bayou Grand Liard	7	2	1	2	2	1	1	4	9	13	15	14
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	3	6	12	9
CRMS 0224	0	0	0	0	0	0	0	1	3	6	12	10
CRMS 0163	2	0	0	3	0	1	0	1	4	8	3	4
CRMS 0162	6	4	8	8	9	3	1	7	19	21	17	17

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-12	-10	-8	-6	-6	-5	-8	-5	0	0	-1	-1
HWQ-08- At the Outfall	-6	-7	-4	-2	-2	-2	-2	-2	-3	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-8	-7	-3	-1	-2	-2	-2	-2	-3	0	1	-1
Barataria Waterway at Lafitte (USACE82875)	-4	-5	-3	-2	-2	-3	-2	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-20	-10	-6	-3	-3	-4	-4	-7	-2	-3	-2	-4
USGS7380251 Barataria Bay North of Grand Isle	-19	-9	-6	-4	-4	-4	-6	-8	-2	-2	-1	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-16	-12	-7	-5	-5	-6	-6	-7	-2	-1	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-9	-8	-4	-3	-4	-4	-3	-3	-1	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	-8	-9	-8	-6	-6	-5	-6	-3	0	1	0	0
HWQ14 - Lake Washington	0	0	0	0	2	0	0	0	1	2	0	1
HWQ16 - Bayou Grand Liard	-8	-2	-2	-1	-1	-1	-4	-4	0	1	0	0
CRMS 3985	-1	-3	-2	-2	-2	-3	-1	-1	0	0	0	-1
CRMS 0258	-12	-3	-2	-1	-1	-1	-2	-3	0	1	1	0
CRMS 0224	-16	-6	-3	-2	-2	-2	-3	-4	-1	0	0	-2
CRMS 0163	1	0	0	1	0	1	0	0	3	4	1	2
CRMS 0162	2	1	2	2	2	1	1	2	5	5	0	3

Figure WQ SAL 229 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	20	13	7	5	4	10	18	16	19	21	15
HWQ-08- At the Outfall	6	10	6	2	1	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	12	8	2	1	1	2	2	5	4	7	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	2	1	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	16	10	4	3	3	3	7	5	8	14	11
USGS7380251 Barataria Bay North of Grand Isle	25	17	11	4	3	3	5	12	9	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	18	9	6	5	5	5	9	7	8	13	12
USGS 07380335 - Little Lake Near Cutoff	10	9	4	4	4	3	2	2	2	2	6	6
USGS073802516 Barataria Pass at Grand Isle	29	22	15	9	7	6	14	22	20	23	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	1	1	3	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	4	8	9	13	15	7
CRMS 3985	1	3	2	2	2	2	1	1	0	0	1	1
CRMS 0258	15	10	6	1	0	0	2	3	3	5	12	6
CRMS 0224	18	13	9	2	1	1	3	5	5	6	14	9
CRMS 0163	4	4	0	0	0	0	0	1	1	5	2	0
CRMS 0162	13	17	7	5	3	1	0	5	16	20	17	3

V3PR7_HYST - cy 5 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	18	4	1	0	0	3	18	16	20	21	5
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	9	9	1	0	0	0	0	0	2	4	8	1
Barataria Waterway at Lafitte (USACE82875)	3	3	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	15	12	1	0	0	0	0	2	4	4	11	0
USGS7380251 Barataria Bay North of Grand Isle	23	14	2	0	0	0	0	8	7	11	15	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	15	1	0	0	0	0	6	5	6	11	1
USGS 07380335 - Little Lake Near Cutoff	8	6	1	0	0	0	0	0	1	0	4	1
USGS073802516 Barataria Pass at Grand Isle	30	21	8	3	2	2	9	21	19	24	23	9
HWQ14 - Lake Washington	7	3	0	0	0	0	0	1	5	6	5	0
HWQ16 - Bayou Grand Liard	21	12	5	1	0	0	1	7	9	14	16	4
CRMS 3985	2	2	0	0	0	0	0	0	0	0	0	0
CRMS 0258	15	9	2	0	0	0	0	1	4	6	14	2
CRMS 0224	16	11	1	0	0	0	0	2	4	6	14	1
CRMS 0163	5	6	0	1	0	0	0	2	7	12	3	0
CRMS 0162	15	20	9	6	5	1	1	8	21	24	17	7

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	0	-2	-9	-6	-5	-3	-7	-1	0	1	-1	-10
HWQ-08- At the Outfall	-6	-10	-6	-2	-1	-2	-2	-2	-3	-3	-5	-6
CRMS0276 - Just east of Wilkinson Canal	0	-3	-7	-2	-1	-1	-2	-2	-2	0	1	-7
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-3	-3	-2	-2	-1	-1	-1	-1	-1	-3
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-4	-9	-4	-3	-3	-3	-5	-1	-3	-3	-11
USGS7380251 Barataria Bay North of Grand Isle	-2	-3	-9	-4	-3	-3	-5	-4	-2	-2	-1	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-8	-6	-5	-5	-5	-3	-2	-1	-1	-11
USGS 07380335 - Little Lake Near Cutoff	-3	-3	-3	-3	-4	-3	-2	-2	-1	-1	-2	-5
USGS073802516 Barataria Pass at Grand Isle	0	-1	-8	-6	-5	-4	-6	0	0	1	0	-8
HWQ14 - Lake Washington	-1	1	0	0	0	0	0	0	3	3	0	0
HWQ16 - Bayou Grand Liard	0	-1	-1	-1	-1	-1	-3	-2	0	2	0	-3
CRMS 3985	0	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
CRMS 0258	1	-1	-5	-1	0	0	-2	-2	1	1	2	-4
CRMS 0224	-2	-2	-8	-2	-1	-1	-3	-3	-1	0	0	-8
CRMS 0163	0	2	0	1	0	0	0	0	6	7	1	0
CRMS 0162	2	3	1	1	2	0	1	2	5	4	0	3

Figure WQ SAL 230 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	16	9	5	4	4	10	18	15	16	20	21
HWQ-08- At the Outfall	6	8	4	2	1	1	2	2	3	2	4	6
CRMS0276 - Just east of Wilkinson Canal	8	8	5	1	1	1	2	3	4	3	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	21	13	7	3	2	3	4	8	5	6	13	13
USGS7380251 Barataria Bay North of Grand Isle	24	13	7	3	2	3	5	11	8	10	15	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	15	7	4	3	4	5	10	6	6	11	12
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	28	18	12	6	6	8	14	21	18	20	23	24
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	1	4	3
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	8	8	9	15	16
CRMS 3985	1	2	2	2	2	2	2	1	1	1	1	1
CRMS 0258	13	5	2	0	0	0	2	3	2	3	10	11
CRMS 0224	17	9	4	1	1	1	3	5	4	4	11	12
CRMS 0163	2	1	0	0	0	0	0	1	1	3	3	3
CRMS 0162	7	7	5	3	3	2	0	4	11	12	17	15

V3PR8_HYST - cy 5 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	8	1	0	0	0	2	13	13	13	19	19
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	2	1	0	0	0	0	0	0	1	0	5	7
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	4	3	0	0	0	0	0	0	2	1	9	8
USGS7380251 Barataria Bay North of Grand Isle	13	4	0	0	0	0	0	3	5	5	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	9	4	0	0	0	0	0	2	3	3	10	9
USGS 07380335 - Little Lake Near Cutoff	3	1	0	0	0	0	0	0	1	0	3	2
USGS073802516 Barataria Pass at Grand Isle	25	12	3	1	1	3	6	18	17	18	22	22
HWQ14 - Lake Washington	4	0	0	0	0	0	0	1	1	1	3	3
HWQ16 - Bayou Grand Liard	16	6	2	1	0	0	0	5	7	8	15	15
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	7	2	0	0	0	0	0	0	2	2	10	10
CRMS 0224	5	3	0	0	0	0	0	1	3	2	11	10
CRMS 0163	2	1	0	0	0	0	0	1	2	3	3	3
CRMS 0162	9	9	6	3	3	2	0	5	13	14	18	16

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-4	-7	-9	-4	-4	-4	-8	-4	-1	-3	-2	-2
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-2	-3	-2	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-6	-7	-5	-1	-1	-1	-2	-3	-3	-3	-1	-1
Barataria Waterway at Lafitte (USACE82875)	-3	-4	-3	-2	-2	-2	-2	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-17	-10	-7	-3	-2	-3	-4	-7	-3	-5	-3	-5
USGS7380251 Barataria Bay North of Grand Isle	-11	-9	-7	-3	-2	-3	-5	-9	-3	-5	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-11	-10	-7	-4	-3	-4	-5	-8	-3	-3	-1	-3
USGS 07380335 - Little Lake Near Cutoff	-7	-7	-3	-3	-3	-3	-3	-3	-2	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	-2	-6	-9	-5	-5	-5	-8	-3	-1	-2	-1	-1
HWQ14 - Lake Washington	-1	0	0	0	0	0	0	0	0	0	-1	0
HWQ16 - Bayou Grand Liard	-2	-1	-1	0	0	-1	-3	-3	0	-1	0	0
CRMS 3985	0	-2	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
CRMS 0258	-7	-3	-2	0	0	0	-2	-3	0	-1	0	-1
CRMS 0224	-12	-6	-4	-1	-1	-1	-3	-5	-1	-2	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0162	2	2	1	0	0	1	0	1	2	2	1	1

Figure WQ SAL 231 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	8	5	4	7	17	22	19	22	22	18
HWQ-08- At the Outfall	6	8	4	2	1	1	2	3	5	5	6	7
CRMS0276 - Just east of Wilkinson Canal	8	8	4	1	1	1	2	3	7	7	8	9
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	21	11	6	3	2	3	5	11	8	10	16	12
USGS7380251 Barataria Bay North of Grand Isle	24	11	6	3	3	3	9	16	13	16	18	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	14	7	4	4	5	8	14	9	10	14	13
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	4	3	3	7	6
USGS073802516 Barataria Pass at Grand Isle	28	15	10	8	6	11	21	25	22	25	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	1	3	4	6	4	0
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	8	12	13	16	15	10
CRMS 3985	1	3	2	2	2	2	2	1	1	1	1	1
CRMS 0258	14	4	2	0	0	1	3	5	5	9	13	7
CRMS 0224	17	7	3	1	1	2	4	8	8	10	15	10
CRMS 0163	2	0	0	0	0	1	1	3	6	10	2	0
CRMS 0162	8	3	4	4	4	4	2	11	23	24	16	7

V3PR8_HYST - cy 5 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	23	3	0	0	0	5	16	22	18	20	20	13
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	5	0	0	0	0	0	0	0	4	5	8	6
Barataria Waterway at Lafitte (USACE82875)	1	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	7	0	0	0	0	0	1	5	5	5	12	4
USGS7380251 Barataria Bay North of Grand Isle	14	1	0	0	0	0	6	13	9	11	15	7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11	1	0	0	0	1	4	12	6	7	11	6
USGS 07380335 - Little Lake Near Cutoff	5	0	0	0	0	0	0	1	1	1	4	2
USGS073802516 Barataria Pass at Grand Isle	25	6	2	2	1	10	20	25	21	24	22	16
HWQ14 - Lake Washington	5	0	0	0	0	0	1	3	4	5	2	0
HWQ16 - Bayou Grand Liard	17	3	1	1	0	3	6	12	12	15	15	9
CRMS 3985	1	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	9	1	0	0	0	0	1	4	6	8	13	4
CRMS 0224	8	0	0	0	0	0	1	5	6	7	13	5
CRMS 0163	2	0	0	0	0	1	1	3	6	8	2	1
CRMS 0162	9	5	5	4	4	4	3	12	23	23	16	8

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-3	-10	-8	-5	-4	-2	-1	-1	-1	-2	-2	-5
HWQ-08- At the Outfall	-6	-8	-4	-2	-1	-1	-2	-3	-5	-5	-6	-7
CRMS0276 - Just east of Wilkinson Canal	-3	-8	-4	-1	-1	-1	-2	-3	-4	-1	0	-3
Barataria Waterway at Lafitte (USACE82875)	-2	-5	-3	-2	-2	-2	-2	-1	-1	-1	-2	-3
USGS2928590900040000 Barataria Waterway South of Lafitte	-13	-11	-6	-3	-2	-3	-4	-6	-3	-6	-4	-8
USGS7380251 Barataria Bay North of Grand Isle	-10	-10	-6	-3	-3	-3	-3	-3	-4	-5	-3	-7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-9	-13	-7	-4	-4	-4	-3	-2	-3	-3	-3	-7
USGS 07380335 - Little Lake Near Cutoff	-6	-8	-4	-3	-3	-3	-3	-3	-2	-2	-3	-4
USGS073802516 Barataria Pass at Grand Isle	-2	-9	-8	-6	-5	-2	-1	0	-1	-1	-2	-4
HWQ14 - Lake Washington	-1	0	0	0	0	0	0	0	0	-1	-1	0
HWQ16 - Bayou Grand Liard	-1	-2	-1	-1	-1	-1	-1	-1	-1	-2	0	-1
CRMS 3985	0	-3	-2	-2	-2	-2	-2	-1	-1	-1	-1	-1
CRMS 0258	-5	-3	-2	0	0	-1	-2	-1	0	-1	0	-3
CRMS 0224	-9	-6	-3	-1	-1	-2	-3	-3	-1	-3	-1	-6
CRMS 0163	0	0	0	0	0	0	0	0	0	-1	0	0
CRMS 0162	1	1	1	0	0	0	1	1	1	-1	1	1

Figure WQ SAL 232 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	16	15	10	10	10	20	26	23	22	20	18
HWQ-08- At the Outfall	6	9	5	3	3	3	3	3	7	6	6	6
CRMS0276 - Just east of Wilkinson Canal	8	10	6	3	3	3	3	4	10	9	8	7
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	3	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	14	8	5	5	6	7	15	11	13	15	11
USGS7380251 Barataria Bay North of Grand Isle	26	14	10	6	6	6	13	22	17	18	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	16	8	7	7	9	10	17	12	12	14	12
USGS 07380335 - Little Lake Near Cutoff	10	9	3	3	4	5	3	5	3	3	7	5
USGS073802516 Barataria Pass at Grand Isle	30	19	18	13	13	15	24	28	25	26	22	20
HWQ14 - Lake Washington	9	0	0	1	2	0	3	7	14	3	2	1
HWQ16 - Bayou Grand Liard	21	8	8	6	5	7	11	17	17	16	12	10
CRMS 3985	1	3	1	2	2	3	1	1	1	1	1	1
CRMS 0258	15	6	6	2	2	2	4	7	9	10	10	6
CRMS 0224	18	9	7	3	3	4	5	11	12	12	13	9
CRMS 0163	5	1	1	3	1	2	3	8	17	4	1	1
CRMS 0162	14	9	14	12	11	11	11	18	28	20	12	8

V3PR8_HYST - cy 5 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	10	10	6	5	8	20	26	21	21	18	16
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	9	0	1	0	0	0	0	0	5	7	8	6
Barataria Waterway at Lafitte (USACE82875)	3	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	14	1	1	1	0	2	3	6	7	6	11	7
USGS7380251 Barataria Bay North of Grand Isle	23	4	4	2	1	3	10	16	12	13	14	10
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	4	2	2	1	4	7	13	8	8	11	8
USGS 07380335 - Little Lake Near Cutoff	8	2	1	0	0	1	1	1	1	1	4	2
USGS073802516 Barataria Pass at Grand Isle	29	15	14	10	9	14	24	28	24	25	21	19
HWQ14 - Lake Washington	8	0	0	0	2	0	3	7	12	3	1	0
HWQ16 - Bayou Grand Liard	21	6	7	5	5	6	10	16	16	16	12	10
CRMS 3985	2	1	0	0	0	0	0	0	0	0	0	0
CRMS 0258	16	3	3	1	1	1	2	5	9	10	10	6
CRMS 0224	16	2	2	1	1	1	3	6	9	9	12	7
CRMS 0163	5	2	1	3	1	2	2	7	15	5	1	1
CRMS 0162	15	11	14	12	11	11	12	19	28	22	13	9

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-6	-4	-4	-5	-2	-1	-1	-1	-1	-2	-2
HWQ-08- At the Outfall	-6	-9	-5	-3	-3	-3	-3	-3	-6	-6	-6	-6
CRMS0276 - Just east of Wilkinson Canal	1	-9	-6	-3	-3	-2	-3	-4	-5	-1	0	-1
Barataria Waterway at Lafitte (USACE82875)	-1	-5	-2	-2	-2	-3	-1	-1	-1	-2	-2	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-8	-13	-7	-4	-4	-4	-4	-9	-4	-6	-4	-4
USGS7380251 Barataria Bay North of Grand Isle	-3	-10	-6	-4	-5	-4	-3	-5	-5	-4	-3	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-12	-6	-5	-6	-5	-3	-3	-5	-4	-3	-4
USGS 07380335 - Little Lake Near Cutoff	-3	-7	-3	-3	-4	-3	-2	-4	-2	-3	-3	-3
USGS073802516 Barataria Pass at Grand Isle	0	-4	-3	-3	-4	-1	0	-1	-1	-1	-1	-1
HWQ14 - Lake Washington	-1	0	0	0	0	0	0	0	-2	0	-1	0
HWQ16 - Bayou Grand Liard	0	-1	-1	-1	0	-1	-1	-1	-1	0	0	0
CRMS 3985	0	-2	-1	-2	-2	-2	-1	0	0	-1	-1	-1
CRMS 0258	1	-3	-3	-1	-1	-1	-2	-2	0	0	0	0
CRMS 0224	-2	-7	-5	-2	-3	-2	-2	-4	-2	-3	-1	-2
CRMS 0163	0	0	0	0	0	0	0	0	-2	1	0	0
CRMS 0162	1	2	1	0	0	0	1	0	0	1	1	1

Figure WQ SAL 233 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	9	6	7	6	12	18	15	18	20	19
HWQ-08- At the Outfall	6	7	4	2	2	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	7	3	1	2	2	2	2	4	4	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	3	2	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	20	10	6	3	3	4	4	7	5	7	13	12
USGS7380251 Barataria Bay North of Grand Isle	22	10	6	4	4	4	6	11	9	12	16	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	13	7	5	5	6	6	10	6	7	12	12
USGS 07380335 - Little Lake Near Cutoff	11	8	4	3	4	4	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	25	13	12	9	10	9	16	21	19	22	23	22
HWQ14 - Lake Washington	2	0	0	0	1	0	0	1	1	2	4	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	8	9	11	15	13
CRMS 3985	1	3	2	2	2	3	1	1	0	0	1	1
CRMS 0258	13	3	2	1	1	1	2	3	3	5	11	10
CRMS 0224	17	6	3	2	2	2	3	5	4	6	12	12
CRMS 0163	1	0	0	1	0	0	0	1	1	3	3	2
CRMS 0162	4	3	6	6	7	2	0	4	14	16	17	14

V3PR8_HYST - cy 5 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	12	1	1	1	1	1	3	12	15	17	19	18
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	0	0	0	0	0	0	0	0	1	3	6	7
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	0	0	0	0	0	0	0	1	3	4	10	8
USGS7380251 Barataria Bay North of Grand Isle	3	0	0	0	0	0	0	3	6	9	13	12
USGS73802515 Hackberry Bay Northwest of Grand Isle	3	0	0	0	0	0	0	2	4	6	10	9
USGS 07380335 - Little Lake Near Cutoff	1	0	0	0	0	0	0	0	1	0	3	2
USGS073802516 Barataria Pass at Grand Isle	17	4	4	3	4	4	9	17	18	22	22	21
HWQ14 - Lake Washington	2	0	0	0	1	0	0	1	1	2	2	1
HWQ16 - Bayou Grand Liard	7	2	2	2	2	1	1	4	8	11	15	13
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	0	0	0	0	0	0	0	2	4	11	9
CRMS 0224	1	0	0	0	0	0	0	1	3	5	11	10
CRMS 0163	1	0	0	2	0	0	0	1	1	4	2	2
CRMS 0162	6	3	7	6	8	2	0	5	15	17	18	15

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-12	-10	-8	-6	-6	-5	-8	-6	-1	-1	-2	-2
HWQ-08- At the Outfall	-6	-7	-4	-2	-2	-2	-2	-2	-3	-3	-4	-6
CRMS0276 - Just east of Wilkinson Canal	-8	-7	-3	-1	-2	-2	-2	-2	-3	-1	0	-1
Barataria Waterway at Lafitte (USACE82875)	-4	-5	-3	-2	-2	-3	-2	-1	-1	-1	-1	-2
USGS2928590900040000 Barataria Waterway South of Lafitte	-20	-10	-6	-3	-3	-4	-4	-7	-2	-4	-3	-4
USGS7380251 Barataria Bay North of Grand Isle	-19	-9	-6	-4	-4	-4	-6	-9	-3	-3	-2	-3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-16	-12	-7	-5	-5	-6	-6	-8	-2	-2	-2	-3
USGS 07380335 - Little Lake Near Cutoff	-9	-8	-4	-3	-4	-4	-3	-3	-1	-1	-2	-3
USGS073802516 Barataria Pass at Grand Isle	-8	-9	-8	-6	-6	-5	-7	-4	-1	0	-1	-1
HWQ14 - Lake Washington	-1	0	0	0	1	0	0	0	0	0	-2	0
HWQ16 - Bayou Grand Liard	-7	-1	-2	-1	-1	-1	-4	-4	0	0	0	0
CRMS 3985	-1	-3	-2	-2	-2	-3	-1	-1	0	0	-1	-1
CRMS 0258	-11	-3	-2	-1	-1	-1	-2	-3	0	-1	0	-1
CRMS 0224	-16	-5	-3	-1	-2	-2	-3	-4	-2	-1	-1	-2
CRMS 0163	1	0	0	1	0	0	0	0	0	0	0	0
CRMS 0162	1	0	1	0	1	0	0	1	2	1	1	1

Figure WQ SAL 234 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	20	13	7	5	4	10	18	16	19	21	15
HWQ-08- At the Outfall	6	10	6	2	1	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	12	8	2	1	1	2	2	5	4	7	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	2	1	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	16	10	4	3	3	3	7	5	8	14	11
USGS7380251 Barataria Bay North of Grand Isle	25	17	11	4	3	3	5	12	9	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	18	9	6	5	5	5	9	7	8	13	12
USGS 07380335 - Little Lake Near Cutoff	10	9	4	4	4	3	2	2	2	2	6	6
USGS073802516 Barataria Pass at Grand Isle	29	22	15	9	7	6	14	22	20	23	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	1	1	3	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	4	8	9	13	15	7
CRMS 3985	1	3	2	2	2	2	1	1	0	0	1	1
CRMS 0258	15	10	6	1	0	0	2	3	3	5	12	6
CRMS 0224	18	13	9	2	1	1	3	5	5	6	14	9
CRMS 0163	4	4	0	0	0	0	0	1	1	5	2	0
CRMS 0162	13	17	7	5	3	1	0	5	16	20	17	3

V3PR8_HYST - cy 5 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	18	4	1	0	0	3	17	15	18	20	5
HWQ-08- At the Outfall	0	0	0	0	0	0	0	0	0	0	0	0
CRMS0276 - Just east of Wilkinson Canal	9	9	1	0	0	0	0	0	2	3	7	1
Barataria Waterway at Lafitte (USACE82875)	3	3	0	0	0	0	0	0	0	0	1	0
USGS2928590900040000 Barataria Waterway South of Lafitte	15	12	1	0	0	0	0	2	4	4	11	0
USGS7380251 Barataria Bay North of Grand Isle	23	15	2	0	0	0	0	7	7	9	15	1
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	15	1	0	0	0	0	6	5	6	11	1
USGS 07380335 - Little Lake Near Cutoff	8	6	1	0	0	0	0	0	1	0	3	1
USGS073802516 Barataria Pass at Grand Isle	29	21	7	2	1	2	8	21	19	23	23	9
HWQ14 - Lake Washington	7	1	0	0	0	0	0	1	1	4	3	0
HWQ16 - Bayou Grand Liard	21	12	5	1	0	0	1	7	9	13	15	5
CRMS 3985	2	2	0	0	0	0	0	0	0	0	0	0
CRMS 0258	16	9	2	0	0	0	0	1	3	5	13	2
CRMS 0224	16	11	1	0	0	0	0	2	4	5	13	1
CRMS 0163	4	4	0	1	0	0	0	1	2	7	2	0
CRMS 0162	14	19	9	6	3	1	0	6	18	22	17	5

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	-1	-2	-9	-6	-5	-3	-7	-2	-1	-1	-1	-10
HWQ-08- At the Outfall	-6	-10	-6	-2	-1	-2	-2	-2	-3	-3	-5	-6
CRMS0276 - Just east of Wilkinson Canal	1	-3	-7	-2	-1	-1	-2	-2	-2	-1	0	-7
Barataria Waterway at Lafitte (USACE82875)	-1	-2	-3	-3	-2	-2	-1	-1	-1	-1	-2	-3
USGS2928590900040000 Barataria Waterway South of Lafitte	-6	-4	-9	-4	-3	-3	-3	-5	-2	-4	-4	-11
USGS7380251 Barataria Bay North of Grand Isle	-3	-2	-9	-4	-3	-3	-5	-4	-3	-3	-2	-11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2	-3	-8	-6	-5	-5	-5	-4	-2	-2	-2	-11
USGS 07380335 - Little Lake Near Cutoff	-2	-3	-3	-4	-4	-3	-2	-2	-1	-1	-2	-5
USGS073802516 Barataria Pass at Grand Isle	0	-1	-8	-7	-5	-4	-6	-1	-1	0	-1	-9
HWQ14 - Lake Washington	-1	0	0	0	0	0	0	0	0	1	-1	0
HWQ16 - Bayou Grand Liard	0	-1	-1	-1	-1	-1	-3	-2	0	0	0	-2
CRMS 3985	0	-1	-1	-2	-2	-2	-1	-1	0	0	-1	-1
CRMS 0258	1	0	-4	-1	0	0	-2	-2	0	0	1	-4
CRMS 0224	-2	-2	-7	-2	-1	-1	-3	-3	-1	-1	-1	-8
CRMS 0163	0	0	0	1	0	0	0	0	1	2	0	0
CRMS 0162	1	1	1	1	0	0	0	1	2	1	0	1

Figure WQ SAL 235 - Monthly Average Salinity (ppt) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1_HYST - cy 5 - 2008 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	16	9	5	4	4	10	18	15	16	20	21
HWQ-08- At the Outfall	6	8	4	2	1	1	2	2	3	2	4	6
CRMS0276 - Just east of Wilkinson Canal	8	8	5	1	1	1	2	3	4	3	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	1	1	2	2
USGS2928590900040000 Barataria Waterway South of Lafitte	21	13	7	3	2	3	4	8	5	6	13	13
USGS7380251 Barataria Bay North of Grand Isle	24	13	7	3	2	3	5	11	8	10	15	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	15	7	4	3	4	5	10	6	6	11	12
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	28	18	12	6	6	8	14	21	18	20	23	24
HWQ14 - Lake Washington	6	0	0	0	0	0	0	1	1	1	4	3
HWQ16 - Bayou Grand Liard	18	7	3	1	1	2	3	8	8	9	15	16
CRMS 3985	1	2	2	2	2	2	2	1	1	1	1	1
CRMS 0258	13	5	2	0	0	0	2	3	2	3	10	11
CRMS 0224	17	9	4	1	1	1	3	5	4	4	11	12
CRMS 0163	2	1	0	0	0	0	0	1	1	3	3	3
CRMS 0162	7	7	5	3	3	2	0	4	11	12	17	15

V3PR9_HYST - cy 5 - 2008 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	17	12	6	5	6	12	20	17	19	23	20
HWQ-08- At the Outfall	6	8	5	2	1	2	2	2	4	3	5	7
CRMS0276 - Just east of Wilkinson Canal	8	9	6	2	1	1	2	2	5	4	7	9
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	1	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	21	14	8	4	3	3	4	8	6	7	15	13
USGS7380251 Barataria Bay North of Grand Isle	25	15	9	4	3	3	6	13	10	12	18	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	16	8	5	4	5	5	10	7	8	13	13
USGS 07380335 - Little Lake Near Cutoff	10	8	3	3	3	3	2	2	2	2	6	6
USGS073802516 Barataria Pass at Grand Isle	29	20	14	8	7	10	16	23	20	23	25	22
HWQ14 - Lake Washington	6	0	0	0	0	0	0	2	3	5	6	4
HWQ16 - Bayou Grand Liard	20	10	5	2	2	3	5	10	10	13	18	13
CRMS 3985	1	2	1	2	2	2	1	0	0	0	1	1
CRMS 0258	14	7	4	1	0	1	2	3	4	5	15	10
CRMS 0224	17	10	6	2	1	2	3	6	6	6	15	12
CRMS 0163	4	1	0	0	0	0	0	2	6	8	5	4
CRMS 0162	10	11	5	4	4	2	0	7	18	18	16	12

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	1	2	2	2	1	1	2	2	3	3	2	-1
HWQ-08- At the Outfall	0	1	0	1	0	0	0	-1	0	1	1	1
CRMS0276 - Just east of Wilkinson Canal	0	1	1	1	0	0	0	-1	1	1	2	1
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	-1	0	0	0	1
USGS2928590900040000 Barataria Waterway South of Lafitte	0	1	1	1	0	0	0	0	1	2	2	1
USGS7380251 Barataria Bay North of Grand Isle	1	2	2	1	1	1	1	2	2	3	3	0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	1	1	1	1	1	0	0	1	1	2	1
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	-1	-1	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	1	2	2	2	2	2	2	2	2	2	2	-2
HWQ14 - Lake Washington	1	0	0	0	0	0	0	1	2	4	1	1
HWQ16 - Bayou Grand Liard	2	2	2	1	1	1	2	2	3	4	3	-3
CRMS 3985	0	0	0	0	0	0	-1	-1	0	0	0	0
CRMS 0258	0	2	2	0	0	0	0	0	1	2	4	-1
CRMS 0224	0	2	2	1	0	0	0	0	2	2	3	0
CRMS 0163	1	1	0	0	0	0	0	1	5	5	2	2
CRMS 0162	3	5	1	1	1	0	0	3	7	6	-2	-3

Figure WQ SAL 236 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve

V3PR1_HYST - cy 5 - 1994 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	8	5	4	7	17	22	19	22	22	18
HWQ-08- At the Outfall	6	8	4	2	1	1	2	3	5	5	6	7
CRMS0276 - Just east of Wilkinson Canal	8	8	4	1	1	1	2	3	7	7	8	9
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	21	11	6	3	2	3	5	11	8	10	16	12
USGS7380251 Barataria Bay North of Grand Isle	24	11	6	3	3	3	9	16	13	16	18	14
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	14	7	4	4	5	8	14	9	10	14	13
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	3	4	3	3	7	6
USGS073802516 Barataria Pass at Grand Isle	28	15	10	8	6	11	21	25	22	25	24	20
HWQ14 - Lake Washington	5	0	0	0	0	0	1	3	4	6	4	0
HWQ16 - Bayou Grand Liard	18	4	2	2	1	3	8	12	13	16	15	10
CRMS 3985	1	3	2	2	2	2	2	1	1	1	1	1
CRMS 0258	14	4	2	0	0	1	3	5	5	9	13	7
CRMS 0224	17	7	3	1	1	2	4	8	8	10	15	10
CRMS 0163	2	0	0	0	0	1	1	3	6	10	2	0
CRMS 0162	8	3	4	4	4	4	2	11	23	24	16	7

V3PR9_HYST - cy 5 - 1994 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	15	10	7	6	8	18	24	22	25	24	21
HWQ-08- At the Outfall	6	8	5	2	2	2	2	3	6	6	7	8
CRMS0276 - Just east of Wilkinson Canal	8	9	5	2	1	2	2	3	9	9	10	11
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	2	1	1	2	2	4	4
USGS2928590900040000 Barataria Waterway South of Lafitte	21	13	7	4	3	4	5	12	10	13	19	15
USGS7380251 Barataria Bay North of Grand Isle	25	13	7	4	4	4	10	19	16	19	21	17
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	15	7	5	5	6	7	14	11	12	16	14
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	3	3	2	3	3	3	8	7
USGS073802516 Barataria Pass at Grand Isle	29	17	13	10	9	12	22	27	25	27	26	23
HWQ14 - Lake Washington	7	0	0	0	0	0	2	6	12	13	6	1
HWQ16 - Bayou Grand Liard	20	7	4	3	2	5	8	15	17	22	19	14
CRMS 3985	1	2	2	2	2	2	1	1	1	1	1	2
CRMS 0258	14	6	3	1	1	1	3	6	10	14	18	10
CRMS 0224	18	9	5	2	2	2	4	9	12	15	19	13
CRMS 0163	4	1	0	0	0	2	2	6	19	19	3	1
CRMS 0162	10	5	4	6	5	7	5	14	26	26	16	11

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	1	2	2	2	2	1	1	2	3	3	3	3
HWQ-08- At the Outfall	0	1	1	1	1	0	0	0	1	1	1	1
CRMS0276 - Just east of Wilkinson Canal	0	1	1	1	1	0	0	0	2	2	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	0	2	1	1	1	1	0	1	2	3	3	2
USGS7380251 Barataria Bay North of Grand Isle	1	2	1	1	1	1	0	2	3	4	3	3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	1	0	1	1	1	0	1	1	2	2	2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	-1	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	1	2	2	2	2	1	1	2	2	2	2	3
HWQ14 - Lake Washington	1	0	0	0	0	0	1	3	8	8	2	1
HWQ16 - Bayou Grand Liard	2	3	2	1	1	1	1	3	4	5	4	4
CRMS 3985	0	0	-1	0	0	0	-1	0	0	0	0	0
CRMS 0258	0	2	1	0	0	0	0	1	5	6	5	3
CRMS 0224	0	2	2	1	1	0	0	1	4	5	4	3
CRMS 0163	2	0	0	0	0	1	1	4	13	9	2	1
CRMS 0162	3	2	0	1	2	3	3	3	4	2	0	4

Figure WQ SAL 237 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve

V3PR1_HYST - cy 5 - 2006 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	16	15	10	10	10	20	26	23	22	20	18
HWQ-08- At the Outfall	6	9	5	3	3	3	3	3	7	6	6	6
CRMS0276 - Just east of Wilkinson Canal	8	10	6	3	3	3	3	4	10	9	8	7
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	3	2	1	2	2	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	14	8	5	5	6	7	15	11	13	15	11
USGS7380251 Barataria Bay North of Grand Isle	26	14	10	6	6	6	13	22	17	18	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	16	8	7	7	9	10	17	12	12	14	12
USGS 07380335 - Little Lake Near Cutoff	10	9	3	3	4	5	3	5	3	3	7	5
USGS073802516 Barataria Pass at Grand Isle	30	19	18	13	13	15	24	28	25	26	22	20
HWQ14 - Lake Washington	9	0	0	1	2	0	3	7	14	3	2	1
HWQ16 - Bayou Grand Liard	21	8	8	6	5	7	11	17	17	16	12	10
CRMS 3985	1	3	1	2	2	3	1	1	1	1	1	1
CRMS 0258	15	6	6	2	2	2	4	7	9	10	10	6
CRMS 0224	18	9	7	3	3	4	5	11	12	12	13	9
CRMS 0163	5	1	1	3	1	2	3	8	17	4	1	1
CRMS 0162	14	9	14	12	11	11	11	18	28	20	12	8

V3PR9_HYST - cy 5 - 2006 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	18	16	12	12	12	22	28	25	26	23	20
HWQ-08- At the Outfall	6	9	6	4	4	3	3	4	7	7	8	7
CRMS0276 - Just east of Wilkinson Canal	8	11	7	4	4	3	3	4	11	10	10	9
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	3	2	1	2	2	4	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	15	10	6	5	6	8	16	13	16	18	13
USGS7380251 Barataria Bay North of Grand Isle	26	16	12	7	6	7	14	24	19	21	21	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	17	9	7	7	10	10	18	14	14	17	14
USGS 07380335 - Little Lake Near Cutoff	10	9	3	3	4	4	3	5	4	4	8	6
USGS073802516 Barataria Pass at Grand Isle	31	21	19	14	15	17	26	30	27	28	25	22
HWQ14 - Lake Washington	10	1	1	1	2	1	7	13	18	11	3	1
HWQ16 - Bayou Grand Liard	23	10	11	7	8	9	13	20	21	23	16	13
CRMS 3985	1	2	1	2	2	3	1	1	1	1	1	2
CRMS 0258	15	8	8	3	3	3	5	8	16	17	15	9
CRMS 0224	18	12	10	4	5	4	6	12	17	17	18	11
CRMS 0163	7	4	1	4	1	3	9	16	23	14	2	2
CRMS 0162	17	14	14	14	14	15	20	22	28	25	13	12

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	1	2	2	1	1	2	2	2	2	3	3	2
HWQ-08- At the Outfall	0	1	1	1	1	1	0	0	1	1	2	2
CRMS0276 - Just east of Wilkinson Canal	0	1	1	1	1	1	0	0	1	2	3	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	0	2	2	1	0	1	1	1	2	3	4	2
USGS7380251 Barataria Bay North of Grand Isle	1	2	2	1	1	1	2	2	2	4	4	3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	1	1	1	0	1	0	1	1	2	3	2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	1	2	2	1	2	2	2	1	1	2	3	2
HWQ14 - Lake Washington	1	1	0	0	0	0	5	6	4	9	1	0
HWQ16 - Bayou Grand Liard	2	2	3	1	3	2	2	3	4	7	4	3
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	2	2	1	1	1	0	1	7	8	5	2
CRMS 0224	0	2	2	1	1	1	1	1	5	5	5	2
CRMS 0163	2	2	0	1	1	1	7	8	6	10	1	1
CRMS 0162	3	5	0	2	3	4	9	3	0	5	1	4

Figure WQ SAL 238 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve

V3PR1_HYST - cy 5 - 2010 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	24	11	9	6	7	6	12	18	15	18	20	19
HWQ-08- At the Outfall	6	7	4	2	2	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	7	3	1	2	2	2	2	4	4	6	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	2	2	3	2	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	20	10	6	3	3	4	4	7	5	7	13	12
USGS7380251 Barataria Bay North of Grand Isle	22	10	6	4	4	4	6	11	9	12	16	15
USGS73802515 Hackberry Bay Northwest of Grand Isle	19	13	7	5	5	6	6	10	6	7	12	12
USGS 07380335 - Little Lake Near Cutoff	11	8	4	3	4	4	3	3	2	2	5	5
USGS073802516 Barataria Pass at Grand Isle	25	13	12	9	10	9	16	21	19	22	23	22
HWQ14 - Lake Washington	2	0	0	0	1	0	0	1	1	2	4	1
HWQ16 - Bayou Grand Liard	15	3	3	2	2	2	4	8	9	11	15	13
CRMS 3985	1	3	2	2	2	3	1	1	0	0	1	1
CRMS 0258	13	3	2	1	1	1	2	3	3	5	11	10
CRMS 0224	17	6	3	2	2	2	3	5	4	6	12	12
CRMS 0163	1	0	0	1	0	0	0	1	1	3	3	2
CRMS 0162	4	3	6	6	7	2	0	4	14	16	17	14

V3PR9_HYST - cy 5 - 2010 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	26	13	11	8	9	7	14	21	18	22	23	22
HWQ-08- At the Outfall	6	8	4	3	3	2	2	2	4	4	6	8
CRMS0276 - Just east of Wilkinson Canal	8	8	5	2	3	2	3	3	6	7	9	10
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	3	2	1	1	1	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	21	12	7	4	4	5	5	9	7	10	17	15
USGS7380251 Barataria Bay North of Grand Isle	24	12	8	5	5	5	8	15	12	16	19	18
USGS73802515 Hackberry Bay Northwest of Grand Isle	20	14	7	6	6	8	7	12	8	9	14	14
USGS 07380335 - Little Lake Near Cutoff	10	8	4	3	4	4	3	3	2	2	7	6
USGS073802516 Barataria Pass at Grand Isle	27	15	14	11	12	11	18	23	21	25	25	24
HWQ14 - Lake Washington	4	0	0	0	1	0	1	2	6	8	5	4
HWQ16 - Bayou Grand Liard	18	5	5	4	4	4	6	11	12	17	18	18
CRMS 3985	1	2	2	2	2	3	1	1	0	1	1	1
CRMS 0258	13	4	3	1	2	1	3	4	5	9	16	12
CRMS 0224	17	8	5	2	3	3	4	6	7	10	16	14
CRMS 0163	2	0	0	3	0	1	1	2	8	12	4	6
CRMS 0162	5	3	7	7	8	3	1	7	19	23	16	16

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	2	2	2	2	2	2	3	3	3	4	3	3
HWQ-08- At the Outfall	0	1	1	1	1	1	0	0	1	1	2	1
CRMS0276 - Just east of Wilkinson Canal	0	1	1	1	1	1	0	0	2	3	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	1	2	1	1	1	1	1	2	2	3	3	2
USGS7380251 Barataria Bay North of Grand Isle	1	2	2	1	1	1	2	3	3	4	4	3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	1	1	1	1	1	1	2	2	2	3	2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	2	1
USGS073802516 Barataria Pass at Grand Isle	2	3	2	2	2	2	3	3	2	3	2	2
HWQ14 - Lake Washington	1	0	0	0	1	0	1	2	5	6	1	3
HWQ16 - Bayou Grand Liard	3	2	2	2	2	1	2	3	3	6	4	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	1	2	1	1	1	0	0	1	2	4	5	3
CRMS 0224	1	2	2	1	1	1	1	1	3	4	4	3
CRMS 0163	1	0	0	1	0	0	0	1	7	9	2	4
CRMS 0162	1	1	1	1	1	1	1	3	6	7	-1	2

Figure WQ SAL 239 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve

V3PR1_HYST - cy 5 - 2011 (FWOP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	28	20	13	7	5	4	10	18	16	19	21	15
HWQ-08- At the Outfall	6	10	6	2	1	2	2	2	3	3	5	6
CRMS0276 - Just east of Wilkinson Canal	8	12	8	2	1	1	2	2	5	4	7	8
Barataria Waterway at Lafitte (USACE82875)	4	5	3	3	2	2	1	1	1	1	2	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	16	10	4	3	3	3	7	5	8	14	11
USGS7380251 Barataria Bay North of Grand Isle	25	17	11	4	3	3	5	12	9	12	17	13
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	18	9	6	5	5	5	9	7	8	13	12
USGS 07380335 - Little Lake Near Cutoff	10	9	4	4	4	3	2	2	2	2	6	6
USGS073802516 Barataria Pass at Grand Isle	29	22	15	9	7	6	14	22	20	23	24	17
HWQ14 - Lake Washington	8	1	0	0	0	0	0	1	1	3	4	0
HWQ16 - Bayou Grand Liard	21	12	6	2	1	1	4	8	9	13	15	7
CRMS 3985	1	3	2	2	2	2	1	1	0	0	1	1
CRMS 0258	15	10	6	1	0	0	2	3	3	5	12	6
CRMS 0224	18	13	9	2	1	1	3	5	5	6	14	9
CRMS 0163	4	4	0	0	0	0	0	1	1	5	2	0
CRMS 0162	13	17	7	5	3	1	0	5	16	20	17	3

V3PR9_HYST - cy 5 - 2011 (FWP)												
	monthly average salinity (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	29	18	14	8	6	5	12	20	19	22	24	18
HWQ-08- At the Outfall	6	10	6	3	2	2	2	2	4	5	6	8
CRMS0276 - Just east of Wilkinson Canal	8	11	7	2	2	1	2	2	6	7	9	10
Barataria Waterway at Lafitte (USACE82875)	4	6	3	3	2	2	1	1	1	1	3	3
USGS2928590900040000 Barataria Waterway South of Lafitte	22	15	9	4	4	4	4	9	8	11	17	14
USGS7380251 Barataria Bay North of Grand Isle	26	16	11	5	4	4	6	14	13	17	20	16
USGS73802515 Hackberry Bay Northwest of Grand Isle	21	17	9	6	5	6	5	11	8	10	15	14
USGS 07380335 - Little Lake Near Cutoff	10	9	4	3	4	4	2	2	2	2	7	7
USGS073802516 Barataria Pass at Grand Isle	30	20	16	11	9	8	17	23	22	26	26	20
HWQ14 - Lake Washington	9	4	1	0	0	0	1	2	7	11	7	0
HWQ16 - Bayou Grand Liard	22	11	8	4	2	2	5	10	13	18	20	11
CRMS 3985	1	3	1	2	2	2	1	1	0	1	1	1
CRMS 0258	15	9	7	1	1	1	2	3	6	10	17	8
CRMS 0224	18	12	9	2	2	2	3	6	8	11	17	12
CRMS 0163	6	5	1	1	0	0	0	2	12	16	4	0
CRMS 0162	15	12	7	6	5	1	1	8	23	25	16	6

Difference (FWP-FWOP)												
	monthly average salinity difference (ppt)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
USGS291929089562600 Barataria Bay near Grand Terre Island	1	-2	1	2	1	1	3	2	3	3	3	3
HWQ-08- At the Outfall	0	0	0	0	1	0	0	0	1	1	1	1
CRMS0276 - Just east of Wilkinson Canal	0	0	0	1	1	0	0	0	2	3	2	2
Barataria Waterway at Lafitte (USACE82875)	0	0	0	0	0	0	0	0	0	0	1	1
USGS2928590900040000 Barataria Waterway South of Lafitte	0	-1	0	0	1	1	1	1	2	3	3	3
USGS7380251 Barataria Bay North of Grand Isle	0	-1	0	1	1	1	1	2	3	4	3	3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0	0	0	0	1	1	1	2	1	2	2	2
USGS 07380335 - Little Lake Near Cutoff	0	0	0	0	0	0	0	0	0	0	1	1
USGS073802516 Barataria Pass at Grand Isle	1	-2	1	2	2	2	2	2	3	2	2	3
HWQ14 - Lake Washington	1	2	1	0	0	0	0	1	6	8	3	0
HWQ16 - Bayou Grand Liard	1	-1	2	2	1	1	2	2	3	5	4	4
CRMS 3985	0	0	0	0	0	0	0	0	0	0	0	0
CRMS 0258	0	-1	0	1	1	0	0	1	3	4	5	2
CRMS 0224	0	-1	0	1	1	0	0	1	3	4	4	3
CRMS 0163	2	1	0	1	0	0	0	1	10	11	2	0
CRMS 0162	2	-5	0	1	2	0	1	3	6	5	0	3

Figure WQ SAL 240 - Monthly Average Salinity (ppt) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve

3.0 TEMPERATURE DATA TABLES

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.2	13.0	14.2	19.0	23.1	26.9	27.7	28.2	27.1	22.0	13.4	15.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.1	16.5	20.2	24.1	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.7	13.2	15.2	19.6	23.7	27.9	28.8	29.2	27.8	23.0	15.4	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	18.9	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.5	19.4	23.6	27.5	28.7	29.1	27.6	22.7	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.9	20.7	24.6	28.0	29.0	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.2	15.8	17.0	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.7	18.6
CRMS 3985	10.0	13.5	16.2	20.1	24.2	27.9	29.2	29.5	28.1	23.2	15.4	16.0
CRMS 0258	8.2	12.1	12.6	17.1	20.6	23.7	27.0	28.2	27.0	21.7	13.7	15.3
CRMS 0224	9.8	14.4	16.1	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.8	11.7	12.9	17.2	20.5	24.7	25.4	26.0	25.4	21.1	14.7	14.3
CRMS 0162	8.2	10.8	12.3	17.0	21.2	25.6	26.8	26.9	26.2	20.8	14.7	13.0

V3PR2 HYST - cy 0 - 1970 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	7.7	10.3	14.8	20.8	26.2	28.5	28.4	27.0	20.4	14.6	11.2
CRMS0276 - Just east of Wilkinson Canal	11.4	15.2	16.6	20.2	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.8	13.3	15.2	19.7	23.8	27.9	28.8	29.2	27.8	23.0	15.4	16.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.9	9.3	11.1	16.1	21.5	26.4	27.7	28.0	26.9	21.4	13.4	13.3
USGS7380251 Barataria Bay North of Grand Isle	9.3	12.5	13.8	18.1	22.9	27.2	28.7	28.9	27.6	22.7	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	12.5	13.4	18.2	22.7	27.0	28.5	29.1	27.8	23.1	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	10.6	13.9	14.9	19.5	23.6	27.7	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.8	14.9	16.6	20.5	24.5	28.0	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.5	14.5	16.7	20.6	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.8	15.7	16.9	20.4	24.5	28.2	29.5	30.1	28.8	24.7	18.6	18.5
CRMS 3985	10.0	13.4	15.8	19.7	23.7	27.5	29.1	29.4	28.1	23.2	15.4	16.1
CRMS 0258	8.1	12.2	13.2	17.8	21.8	25.1	27.2	28.2	27.0	21.7	13.7	15.2
CRMS 0224	9.3	13.9	15.4	19.7	23.6	27.4	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.8	11.7	12.9	17.2	20.7	24.8	25.5	26.0	25.5	21.0	14.7	14.2
CRMS 0162	8.2	10.9	12.3	17.1	21.3	25.6	26.9	27.0	26.2	20.8	14.7	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.3	-3.9	-4.2	-2.3	-0.7	0.8	0.1	-0.1	-1.6	1.1	-3.9
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.2	-3.8	-3.4	-2.8	-1.3	-0.2	0.3	0.1	0.1	-0.3	0.1	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-0.8	-1.7	-1.3	-0.7	-0.3	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.2	-2.0	-3.0	-2.0	-1.5	-0.5	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.7	-1.3	-2.2	-1.3	-1.2	-0.5	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.2	-0.2	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.4	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 3985	0.0	-0.1	-0.4	-0.4	-0.4	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0258	-0.1	0.1	0.6	0.7	1.2	1.5	0.2	0.0	0.0	0.0	0.0	-0.1
CRMS 0224	-0.4	-0.6	-0.7	-0.3	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.2	0.1	0.1	0.0	0.1	-0.1	0.0	-0.1
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 1 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.1	12.9	14.4	19.1	23.1	27.0	27.6	28.2	27.1	22.0	13.5	14.5
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.2	20.0	24.1	28.0	28.9	29.4	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	12.3	14.4	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.6	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	15.4	19.4	23.6	27.5	28.7	29.1	27.7	22.7	15.1	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	17.1	20.8	24.8	28.2	29.3	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.3	15.0	16.3	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.9	29.2	29.4	28.1	23.3	15.4	16.1
CRMS 0258	8.0	11.6	12.8	17.3	20.8	24.9	26.5	28.2	27.0	22.0	13.9	13.0
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.7	10.8	12.5	17.0	20.6	24.8	25.5	26.1	25.5	21.1	14.6	13.7
CRMS 0162	7.8	8.7	11.2	16.4	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.2

V3PR2 HYST - cy 0 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	6.9	10.2	14.7	20.8	26.4	28.4	28.4	26.9	20.7	14.6	10.0
CRMS0276 - Just east of Wilkinson Canal	11.5	14.5	16.3	20.1	24.1	28.0	28.9	29.4	28.1	23.7	16.7	17.2
Barataria Waterway at Lafitte (USACE82875)	9.8	12.4	14.4	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.8	7.7	10.8	15.8	21.4	26.5	27.7	28.0	26.9	21.5	13.4	11.4
USGS7380251 Barataria Bay North of Grand Isle	8.9	11.2	13.2	17.8	22.7	27.4	28.6	28.9	27.6	22.7	15.0	14.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.0	9.9	12.3	17.7	22.6	27.4	28.5	29.1	27.8	23.1	15.8	14.4
USGS 07380335 - Little Lake Near Cutoff	10.3	11.4	13.5	19.0	23.5	28.0	29.2	29.8	28.3	23.9	16.5	15.7
USGS073802516 Barataria Pass at Grand Isle	10.7	14.1	16.2	20.4	24.5	28.0	29.0	29.5	28.2	23.6	16.1	16.8
HWQ14 - Lake Washington	10.5	14.3	16.6	20.6	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.7
HWQ16 - Bayou Grand Liard	14.0	14.6	16.2	20.3	24.5	28.1	29.5	30.1	28.8	24.8	18.7	18.1
CRMS 3985	10.0	13.0	15.1	19.5	23.7	27.8	29.2	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.0	11.2	13.2	17.9	21.9	25.2	26.6	28.3	27.0	22.0	13.9	13.1
CRMS 0224	9.3	12.7	14.8	19.5	23.5	27.4	28.3	28.9	27.5	22.9	15.0	15.6
CRMS 0163	8.7	10.8	12.5	17.0	20.6	24.7	25.5	26.2	25.6	21.2	14.6	13.9
CRMS 0162	7.9	8.9	11.3	16.5	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.5	-6.0	-4.2	-4.4	-2.3	-0.6	0.8	0.1	-0.2	-1.3	1.1	-4.5
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-5.4	-3.8	-3.2	-1.4	-0.1	0.3	0.1	0.0	-0.2	0.1	-3.4
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-2.0	-2.3	-1.6	-0.8	-0.1	-0.1	-0.2	-0.1	0.0	-0.1	-0.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.5	-4.5	-4.2	-2.6	-1.6	-0.2	-0.1	-0.1	-0.1	-0.2	-0.1	-2.3
USGS 07380335 - Little Lake Near Cutoff	-1.0	-3.7	-3.6	-1.8	-1.3	-0.2	-0.1	0.0	0.0	0.0	-0.1	-1.7
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.9	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ14 - Lake Washington	0.0	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.3	-0.4	-0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
CRMS 3985	0.0	-0.5	-1.2	-0.6	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0258	0.0	-0.3	0.3	0.6	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.1
CRMS 0224	-0.4	-1.7	-1.4	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.8
CRMS 0163	0.0	0.1	0.0	0.0	-0.1	-0.1	0.0	0.1	0.1	0.1	0.0	0.2
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 2 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	12.9	14.6	19.0	22.9	27.0	27.7	28.2	27.1	22.0	13.2	14.7
CRMS0276 - Just east of Wilkinson Canal	11.7	14.9	16.6	20.3	24.1	27.9	29.0	29.5	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.0	15.5	19.8	23.8	27.9	28.7	29.1	27.7	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.4	18.9	22.7	26.5	27.3	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	15.7	19.4	23.7	27.6	28.8	29.1	27.7	22.7	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.0	28.9	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.6	15.4	17.2	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.6	18.4
CRMS 3985	10.0	13.5	16.2	20.2	24.2	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.9	14.3	17.7	20.8	26.9	27.7	28.2	27.0	22.0	12.6	13.3
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	9.0	11.5	13.0	17.3	20.5	24.5	25.3	26.1	25.4	21.2	14.7	13.9
CRMS 0162	8.5	10.0	12.4	17.3	21.1	25.2	26.7	26.9	26.2	21.0	14.7	12.6

V3PR2 HYST - cy 0 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.1	7.7	11.0	16.1	21.1	26.5	28.5	28.4	27.0	20.5	14.5	11.1
CRMS0276 - Just east of Wilkinson Canal	11.6	14.8	16.6	20.3	24.2	28.0	29.0	29.5	28.1	23.7	16.6	17.4
Barataria Waterway at Lafitte (USACE82875)	10.1	13.0	15.5	19.8	23.8	27.9	28.7	29.1	27.8	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	9.3	12.6	17.9	22.0	26.6	27.6	28.0	26.9	21.4	13.4	13.2
USGS7380251 Barataria Bay North of Grand Isle	9.5	12.2	15.1	19.1	23.3	27.5	28.7	29.0	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	11.9	15.6	19.8	23.4	27.5	28.5	29.1	27.8	23.2	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	11.3	13.3	16.6	20.5	24.2	28.2	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.9	14.6	16.8	20.7	24.5	28.0	28.9	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.5	14.4	16.7	20.7	24.8	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.4	15.2	17.2	20.5	24.5	28.1	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.0	13.4	16.3	20.1	24.0	28.0	29.2	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.6	11.7	14.6	17.8	21.6	27.0	27.7	28.2	27.0	22.0	12.6	13.4
CRMS 0224	9.7	13.6	16.0	20.0	23.8	27.5	28.3	28.9	27.5	22.9	15.0	16.3
CRMS 0163	9.0	11.6	13.0	17.3	20.5	24.6	25.3	26.0	25.4	21.0	14.6	13.9
CRMS 0162	8.5	10.0	12.4	17.3	21.1	25.3	26.7	26.9	26.1	20.9	14.7	12.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-5.2	-3.6	-3.0	-1.8	-0.5	0.8	0.1	0.0	-1.5	1.2	-3.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-3.8	-1.8	-0.9	-0.7	0.1	0.3	0.1	0.1	-0.3	0.1	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-1.1	-0.6	-0.3	-0.4	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-2.5	-0.9	-0.5	-0.7	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.9	-0.5	-0.3	-0.5	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.5	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	-0.1	0.1	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.2	0.2	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.1	-0.8	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	-0.1	-0.1	0.0
CRMS 0162	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 3 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.0	12.9	14.3	19.1	23.0	27.0	27.5	27.9	27.1	22.0	13.5	14.9
CRMS0276 - Just east of Wilkinson Canal	11.5	14.3	16.3	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.8	19.5	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.3	15.5	19.4	23.6	27.5	28.6	28.9	27.5	22.7	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.3	15.1	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.9	14.7	16.6	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.3	15.4	16.1
CRMS 0258	7.8	11.6	12.7	17.2	20.6	23.7	24.3	24.4	26.3	22.1	13.9	14.5
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.1	16.4
CRMS 0163	8.5	10.4	12.6	17.1	20.6	24.8	25.7	26.3	25.6	21.1	14.7	14.3
CRMS 0162	7.4	8.3	11.8	16.8	21.2	25.7	27.3	27.2	26.2	20.9	14.7	12.9

V3PR2 HYST - cy 0 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.9	10.3	14.8	20.8	26.2	28.8	28.2	26.8	20.5	14.7	11.1
CRMS0276 - Just east of Wilkinson Canal	11.2	14.3	16.5	20.2	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.6	12.1	14.9	19.5	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	6.5	7.6	11.0	16.0	21.5	26.4	28.5	28.1	26.8	21.4	13.4	13.2
USGS7380251 Barataria Bay North of Grand Isle	8.6	10.9	13.6	18.0	22.9	27.1	28.4	28.7	27.4	22.6	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.1	9.6	12.9	18.0	22.8	26.9	28.3	28.7	27.8	23.2	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	9.7	11.1	14.2	19.2	23.8	27.6	28.8	29.5	28.3	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	10.4	14.0	16.4	20.5	24.5	28.1	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.4	14.3	16.6	20.6	24.7	28.3	29.3	29.6	28.3	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	13.2	14.3	16.5	20.3	24.5	28.2	29.5	30.1	28.8	24.8	18.7	18.5
CRMS 3985	9.9	12.8	15.5	19.6	23.8	27.4	28.6	29.1	28.0	23.2	15.4	16.0
CRMS 0258	7.7	11.2	13.2	17.9	21.7	25.3	26.3	25.9	26.3	22.0	13.9	14.5
CRMS 0224	8.9	12.4	15.1	19.6	23.6	27.3	28.2	28.8	27.5	22.9	15.0	16.3
CRMS 0163	8.6	10.5	12.7	17.1	20.5	24.8	25.7	26.2	25.7	21.1	14.9	14.4
CRMS 0162	7.5	8.4	11.9	16.9	21.2	25.7	27.2	27.2	26.2	20.9	14.7	12.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.0	-4.0	-4.3	-2.2	-0.8	1.4	0.3	-0.3	-1.5	1.2	-3.8
CRMS0276 - Just east of Wilkinson Canal	-0.4	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-5.5	-3.6	-3.0	-1.2	-0.2	1.1	0.2	0.0	-0.3	0.1	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-0.8	-2.4	-1.9	-1.4	-0.7	-0.4	-0.2	-0.2	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.4	-4.8	-3.7	-2.3	-1.3	-0.7	-0.3	-0.5	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.7	-4.0	-2.9	-1.6	-1.0	-0.6	-0.4	-0.4	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.5	-1.1	-0.6	-0.3	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.7	-0.3	-0.1	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.1	-0.7	-0.8	-0.5	-0.4	-0.5	-0.5	-0.3	-0.1	0.0	0.0	0.0
CRMS 0258	-0.1	-0.5	0.4	0.6	1.2	1.6	2.0	1.5	0.0	0.0	0.0	0.0
CRMS 0224	-0.9	-2.0	-1.1	-0.4	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.1	0.0	0.0	-0.1	0.0	0.0	-0.1	0.1	0.1	0.2	0.1
CRMS 0162	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 4 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.3	19.1	23.1	27.0	27.5	27.9	27.1	22.0	13.5	14.6
CRMS0276 - Just east of Wilkinson Canal	11.7	15.2	16.4	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	10.0	13.5	14.9	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.7	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.4	23.6	27.4	28.5	28.9	27.7	22.7	15.1	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.3	24.2	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.6	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.5	15.9	16.8	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.8	18.1
CRMS 3985	10.0	13.5	16.1	20.1	24.2	27.7	29.1	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.7	13.5	12.9	17.3	20.7	23.9	24.2	25.1	27.0	22.1	13.8	12.6
CRMS 0224	9.8	14.5	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.9	11.9	12.8	17.0	20.6	24.9	25.8	26.4	25.7	21.2	14.8	13.3
CRMS 0162	8.5	11.3	11.9	16.7	21.1	25.9	27.4	27.2	26.2	21.1	14.8	11.4

V3PR2 HYST - cy 0 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.8	10.3	14.8	20.8	26.2	28.8	28.2	26.9	20.6	14.6	9.3
CRMS0276 - Just east of Wilkinson Canal	11.6	15.3	16.5	20.1	24.1	28.0	29.0	29.5	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	10.1	13.5	15.0	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	11.2	11.1	15.8	21.4	26.4	28.5	28.0	26.8	21.5	13.4	10.0
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	13.8	17.9	22.8	27.0	28.4	28.8	27.5	22.7	15.0	13.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	14.1	13.1	17.9	22.6	26.8	28.3	29.0	27.8	23.1	15.8	12.4
USGS 07380335 - Little Lake Near Cutoff	11.3	15.0	14.4	19.1	23.5	27.5	28.8	29.8	28.3	23.9	16.5	13.9
USGS073802516 Barataria Pass at Grand Isle	10.9	15.0	16.5	20.5	24.5	28.1	29.0	29.5	28.2	23.6	16.1	16.2
HWQ14 - Lake Washington	10.5	14.5	16.7	20.6	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.6
HWQ16 - Bayou Grand Liard	14.4	15.9	16.7	20.3	24.5	28.2	29.5	30.1	28.8	24.8	18.8	17.6
CRMS 3985	10.0	13.5	15.4	19.6	23.7	27.3	28.6	29.3	28.0	23.2	15.4	15.4
CRMS 0258	8.7	13.4	13.4	17.9	21.9	25.5	26.3	25.6	27.0	22.1	13.7	12.8
CRMS 0224	9.7	14.4	15.3	19.6	23.5	27.2	28.2	28.9	27.5	22.9	15.0	14.9
CRMS 0163	8.9	11.9	12.9	17.2	20.6	24.9	25.9	26.4	25.6	21.3	14.7	13.4
CRMS 0162	8.5	11.4	12.0	16.8	21.2	25.9	27.3	27.2	26.2	21.0	14.7	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-4.4	-4.0	-4.3	-2.3	-0.9	1.4	0.3	-0.2	-1.4	1.1	-5.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.7	-1.9	-3.5	-3.1	-1.4	-0.3	1.1	0.1	0.0	-0.2	0.1	-4.8
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-0.2	-1.7	-1.5	-0.8	-0.4	-0.1	-0.1	-0.1	-0.1	-0.2	-2.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.2	-0.4	-3.3	-2.5	-1.6	-0.8	-0.3	-0.2	0.0	-0.2	-0.2	-4.3
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-2.7	-1.6	-1.3	-0.8	-0.4	-0.1	0.0	-0.1	-0.1	-3.5
USGS073802516 Barataria Pass at Grand Isle	0.0	-0.1	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.9
HWQ14 - Lake Washington	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.1	0.0	-0.1	0.1	0.2	0.1	-0.1	0.0	0.0	0.0	0.0	-0.5
CRMS 3985	0.0	0.0	-0.7	-0.5	-0.5	-0.4	-0.5	-0.1	0.0	0.0	0.0	-0.7
CRMS 0258	-0.1	-0.1	0.5	0.6	1.1	1.6	2.1	0.5	0.0	0.0	0.0	0.2
CRMS 0224	-0.1	-0.1	-0.9	-0.5	-0.4	-0.3	-0.1	0.0	0.0	0.0	-0.1	-1.5
CRMS 0163	0.0	0.0	0.0	0.2	0.0	-0.1	0.1	0.0	-0.1	0.1	0.0	0.1
CRMS 0162	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 5 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.2	13.0	14.2	19.0	23.1	26.9	27.7	28.2	27.1	22.0	13.4	15.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.1	16.5	20.2	24.1	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.7	13.2	15.2	19.6	23.7	27.9	28.8	29.2	27.8	23.0	15.4	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	18.9	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.5	19.4	23.6	27.5	28.7	29.1	27.6	22.7	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.9	20.7	24.6	28.0	29.0	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.2	15.8	17.0	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.7	18.6
CRMS 3985	10.0	13.5	16.2	20.1	24.2	27.9	29.2	29.5	28.1	23.2	15.4	16.0
CRMS 0258	8.2	12.1	12.6	17.1	20.6	23.7	27.0	28.2	27.0	21.7	13.7	15.3
CRMS 0224	9.8	14.4	16.1	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.8	11.7	12.9	17.2	20.5	24.7	25.4	26.0	25.4	21.1	14.7	14.3
CRMS 0162	8.2	10.8	12.3	17.0	21.2	25.6	26.8	26.9	26.2	20.8	14.7	13.0

V3PR3 HYST - cy 0 - 1970 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	7.7	10.3	14.8	20.8	26.2	28.5	28.3	27.0	20.4	14.6	11.2
CRMS0276 - Just east of Wilkinson Canal	11.4	15.2	16.6	20.2	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.8	13.3	15.2	19.7	23.8	27.9	28.8	29.2	27.8	23.0	15.4	16.0
USGS2928590900040000 Barataria Waterway South of Lafitte	7.0	9.6	11.3	16.4	21.6	26.5	27.7	28.0	26.8	21.5	13.4	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.3	12.5	13.7	18.1	22.8	27.1	28.6	28.9	27.6	22.6	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.3	12.5	13.4	18.2	22.6	27.0	28.5	29.1	27.8	23.1	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	10.6	13.8	14.9	19.5	23.6	27.7	29.2	29.8	28.3	23.8	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.8	14.9	16.6	20.5	24.5	28.0	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.5	14.5	16.7	20.6	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.8	15.7	16.9	20.4	24.5	28.2	29.5	30.1	28.8	24.7	18.6	18.5
CRMS 3985	10.0	13.4	15.7	19.7	23.7	27.5	29.1	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.1	12.2	13.2	17.8	21.8	25.1	27.2	28.2	27.0	21.7	13.7	15.2
CRMS 0224	9.3	13.9	15.5	19.7	23.6	27.4	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.8	11.7	12.9	17.1	20.5	24.7	25.4	26.0	25.4	21.1	14.7	14.2
CRMS 0162	8.2	10.9	12.3	17.1	21.3	25.6	26.8	26.9	26.2	20.8	14.6	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.3	-3.9	-4.2	-2.3	-0.7	0.8	0.1	-0.1	-1.6	1.1	-3.9
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-3.6	-3.2	-2.5	-1.1	-0.1	0.3	0.1	0.0	-0.2	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-0.8	-1.8	-1.3	-0.8	-0.3	-0.1	-0.2	-0.1	-0.1	-0.2	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.2	-2.0	-3.0	-2.1	-1.5	-0.5	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.8	-1.4	-2.2	-1.3	-1.2	-0.5	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.2	-0.2	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.4	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	0.0	-0.1	-0.5	-0.4	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0258	-0.1	0.1	0.6	0.7	1.2	1.4	0.2	0.0	0.0	0.0	0.0	-0.1
CRMS 0224	-0.4	-0.5	-0.7	-0.3	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	-0.1
CRMS 0162	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0

Figure WQ TEMP 6 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.1	12.9	14.4	19.1	23.1	27.0	27.6	28.2	27.1	22.0	13.5	14.5
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.2	20.0	24.1	28.0	28.9	29.4	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	12.3	14.4	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.6	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	15.4	19.4	23.6	27.5	28.7	29.1	27.7	22.7	15.1	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	17.1	20.8	24.8	28.2	29.3	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.3	15.0	16.3	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.9	29.2	29.4	28.1	23.3	15.4	16.1
CRMS 0258	8.0	11.6	12.8	17.3	20.8	24.9	26.5	28.2	27.0	22.0	13.9	13.0
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.7	10.8	12.5	17.0	20.6	24.8	25.5	26.1	25.5	21.1	14.6	13.7
CRMS 0162	7.8	8.7	11.2	16.4	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.2

V3PR3 HYST - cy 0 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.9	10.2	14.7	20.8	26.4	28.4	28.4	26.9	20.6	14.6	10.0
CRMS0276 - Just east of Wilkinson Canal	11.5	14.5	16.3	20.1	24.1	28.0	28.9	29.5	28.1	23.7	16.7	17.2
Barataria Waterway at Lafitte (USACE82875)	9.8	12.4	14.4	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.9	8.0	11.0	16.0	21.6	26.6	27.6	28.0	26.8	21.5	13.4	11.6
USGS7380251 Barataria Bay North of Grand Isle	8.9	11.2	13.2	17.7	22.7	27.4	28.6	28.9	27.6	22.7	15.0	14.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.0	9.9	12.3	17.7	22.6	27.4	28.5	29.1	27.8	23.1	15.8	14.4
USGS 07380335 - Little Lake Near Cutoff	10.3	11.4	13.5	19.0	23.5	28.1	29.2	29.8	28.3	23.9	16.5	15.7
USGS073802516 Barataria Pass at Grand Isle	10.7	14.1	16.3	20.4	24.5	28.0	29.0	29.5	28.2	23.6	16.1	16.8
HWQ14 - Lake Washington	10.5	14.3	16.6	20.5	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.7
HWQ16 - Bayou Grand Liard	14.0	14.6	16.2	20.2	24.5	28.1	29.5	30.1	28.8	24.8	18.7	18.1
CRMS 3985	10.0	12.9	15.1	19.5	23.7	27.8	29.2	29.4	28.1	23.3	15.4	15.9
CRMS 0258	8.0	11.3	13.2	17.9	21.9	25.2	26.6	28.3	27.0	22.0	13.9	13.2
CRMS 0224	9.3	12.7	14.8	19.5	23.5	27.5	28.3	28.9	27.5	22.9	15.0	15.6
CRMS 0163	8.7	10.8	12.5	17.0	20.5	24.7	25.6	26.2	25.6	21.1	14.6	13.8
CRMS 0162	7.9	8.9	11.3	16.5	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.5	-6.0	-4.2	-4.4	-2.3	-0.6	0.8	0.1	-0.2	-1.3	1.1	-4.5
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.2	-5.2	-3.6	-2.9	-1.2	0.0	0.3	0.1	0.0	-0.2	0.1	-3.2
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-2.1	-2.3	-1.7	-0.9	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.5	-4.6	-4.2	-2.6	-1.6	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-2.3
USGS 07380335 - Little Lake Near Cutoff	-1.0	-3.7	-3.6	-1.8	-1.3	-0.2	-0.1	0.0	0.0	0.0	-0.1	-1.7
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.9	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ14 - Lake Washington	0.0	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.3	-0.4	-0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
CRMS 3985	0.0	-0.6	-1.2	-0.6	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0258	0.0	-0.3	0.4	0.6	1.1	0.3	0.2	0.0	0.0	0.0	0.0	0.2
CRMS 0224	-0.4	-1.7	-1.4	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.8
CRMS 0163	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1
CRMS 0162	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 7 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	12.9	14.6	19.0	22.9	27.0	27.7	28.2	27.1	22.0	13.2	14.7
CRMS0276 - Just east of Wilkinson Canal	11.7	14.9	16.6	20.3	24.1	27.9	29.0	29.5	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.0	15.5	19.8	23.8	27.9	28.7	29.1	27.7	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.4	18.9	22.7	26.5	27.3	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	15.7	19.4	23.7	27.6	28.8	29.1	27.7	22.7	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.0	28.9	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.6	15.4	17.2	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.6	18.4
CRMS 3985	10.0	13.5	16.2	20.2	24.2	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.9	14.3	17.7	20.8	26.9	27.7	28.2	27.0	22.0	12.6	13.3
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	9.0	11.5	13.0	17.3	20.5	24.5	25.3	26.1	25.4	21.2	14.7	13.9
CRMS 0162	8.5	10.0	12.4	17.3	21.1	25.2	26.7	26.9	26.2	21.0	14.7	12.6

V3PR3 HYST - cy 0 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.1	7.7	11.0	16.0	21.1	26.5	28.5	28.4	27.0	20.5	14.5	11.0
CRMS0276 - Just east of Wilkinson Canal	11.6	14.8	16.6	20.3	24.2	27.9	29.0	29.5	28.1	23.7	16.6	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.0	15.5	19.8	23.8	27.9	28.7	29.1	27.8	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	9.6	12.8	18.1	22.1	26.6	27.6	28.0	26.9	21.5	13.3	13.4
USGS7380251 Barataria Bay North of Grand Isle	9.5	12.2	15.1	19.1	23.3	27.5	28.7	28.9	27.6	22.7	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	11.9	15.6	19.7	23.4	27.5	28.5	29.1	27.8	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	11.3	13.3	16.6	20.4	24.2	28.2	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.9	14.6	16.8	20.7	24.5	28.0	28.9	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.5	14.4	16.8	20.7	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.4	15.2	17.2	20.4	24.5	28.1	29.5	30.1	28.8	24.7	18.6	18.4
CRMS 3985	10.0	13.4	16.3	20.1	24.0	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.7	14.6	17.8	21.6	27.0	27.7	28.2	27.0	22.0	12.6	13.4
CRMS 0224	9.7	13.6	16.0	20.0	23.8	27.5	28.3	28.9	27.6	22.9	15.0	16.3
CRMS 0163	9.0	11.6	13.0	17.2	20.5	24.8	25.4	26.1	25.5	21.2	14.6	14.1
CRMS 0162	8.5	10.0	12.5	17.3	21.0	25.2	26.7	26.9	26.1	20.9	14.6	12.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-5.2	-3.6	-3.0	-1.8	-0.5	0.8	0.1	0.0	-1.5	1.2	-3.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.5	-3.5	-1.6	-0.8	-0.6	0.1	0.3	0.1	0.1	-0.2	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-1.1	-0.6	-0.3	-0.4	-0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-2.5	-0.9	-0.5	-0.7	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.9	-0.5	-0.3	-0.6	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.5	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	-0.1	0.1	-0.1	-0.2	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0
CRMS 0258	-0.1	-0.2	0.2	0.1	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.1	-0.8	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0163	0.0	0.0	0.0	-0.1	0.0	0.2	0.1	0.1	0.1	0.1	-0.1	0.2
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.1	0.0	0.0

Figure WQ TEMP 8 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.0	12.9	14.3	19.1	23.0	27.0	27.5	27.9	27.1	22.0	13.5	14.9
CRMS0276 - Just east of Wilkinson Canal	11.5	14.3	16.3	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.8	19.5	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.3	15.5	19.4	23.6	27.5	28.6	28.9	27.5	22.7	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.3	15.1	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.9	14.7	16.6	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.3	15.4	16.1
CRMS 0258	7.8	11.6	12.7	17.2	20.6	23.7	24.3	24.4	26.3	22.1	13.9	14.5
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.1	16.4
CRMS 0163	8.5	10.4	12.6	17.1	20.6	24.8	25.7	26.3	25.6	21.1	14.7	14.3
CRMS 0162	7.4	8.3	11.8	16.8	21.2	25.7	27.3	27.2	26.2	20.9	14.7	12.9

V3PR3 HYST - cy 0 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.9	10.3	14.8	20.8	26.2	28.8	28.2	26.8	20.5	14.7	11.1
CRMS0276 - Just east of Wilkinson Canal	11.2	14.4	16.4	20.2	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.6	12.1	14.9	19.5	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.8	11.1	16.3	21.7	26.5	28.5	28.1	26.8	21.5	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.6	10.8	13.5	18.0	22.9	27.1	28.4	28.7	27.4	22.6	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.1	9.6	12.8	17.9	22.8	26.9	28.3	28.7	27.8	23.1	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	9.7	11.1	14.2	19.2	23.8	27.6	28.8	29.5	28.3	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	10.4	13.9	16.4	20.5	24.5	28.1	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.4	14.3	16.6	20.6	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.2	14.3	16.5	20.3	24.5	28.2	29.5	30.1	28.8	24.8	18.7	18.5
CRMS 3985	9.9	12.8	15.5	19.6	23.8	27.4	28.6	29.1	28.0	23.2	15.4	16.1
CRMS 0258	7.7	11.2	13.2	17.9	21.7	25.3	26.3	25.8	26.3	22.1	13.9	14.5
CRMS 0224	8.9	12.4	15.1	19.6	23.6	27.3	28.2	28.8	27.5	22.9	15.0	16.3
CRMS 0163	8.6	10.5	12.6	17.1	20.5	24.6	25.6	26.2	25.6	21.0	14.5	14.1
CRMS 0162	7.5	8.4	11.9	16.9	21.2	25.7	27.2	27.2	26.2	20.8	14.7	12.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.0	-4.0	-4.3	-2.2	-0.8	1.4	0.3	-0.3	-1.5	1.2	-3.8
CRMS0276 - Just east of Wilkinson Canal	-0.4	0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.5	-5.3	-3.4	-2.7	-1.0	-0.2	1.0	0.2	0.0	-0.2	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-2.4	-2.0	-1.4	-0.7	-0.4	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.4	-4.8	-3.7	-2.4	-1.3	-0.7	-0.3	-0.5	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.7	-4.0	-3.0	-1.6	-1.0	-0.6	-0.4	-0.4	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.5	-1.1	-0.6	-0.3	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.7	-0.3	-0.1	0.1	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS 3985	-0.1	-0.7	-0.8	-0.5	-0.4	-0.5	-0.5	-0.3	-0.1	0.0	0.0	0.0
CRMS 0258	-0.1	-0.4	0.5	0.6	1.1	1.6	2.0	1.4	0.0	0.0	0.0	0.0
CRMS 0224	-0.8	-2.0	-1.1	-0.4	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.1	0.0	0.1	-0.1	-0.2	-0.1	-0.1	0.0	0.0	-0.2	-0.2
CRMS 0162	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 9 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.3	19.1	23.1	27.0	27.5	27.9	27.1	22.0	13.5	14.6
CRMS0276 - Just east of Wilkinson Canal	11.7	15.2	16.4	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	10.0	13.5	14.9	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.7	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.4	23.6	27.4	28.5	28.9	27.7	22.7	15.1	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.3	24.2	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.6	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.5	15.9	16.8	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.8	18.1
CRMS 3985	10.0	13.5	16.1	20.1	24.2	27.7	29.1	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.7	13.5	12.9	17.3	20.7	23.9	24.2	25.1	27.0	22.1	13.8	12.6
CRMS 0224	9.8	14.5	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.9	11.9	12.8	17.0	20.6	24.9	25.8	26.4	25.7	21.2	14.8	13.3
CRMS 0162	8.5	11.3	11.9	16.7	21.1	25.9	27.4	27.2	26.2	21.1	14.8	11.4

V3PR3 HYST - cy 0 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.8	10.3	14.8	20.8	26.2	28.8	28.2	26.9	20.6	14.6	9.3
CRMS0276 - Just east of Wilkinson Canal	11.6	15.3	16.5	20.1	24.1	28.0	29.0	29.4	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	10.1	13.6	15.0	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.4	11.2	16.1	21.6	26.5	28.5	28.0	26.8	21.5	13.4	10.2
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	13.7	17.8	22.7	27.0	28.4	28.8	27.5	22.7	14.9	13.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	14.1	13.1	17.8	22.6	26.8	28.3	29.0	27.8	23.1	15.7	12.4
USGS 07380335 - Little Lake Near Cutoff	11.3	15.0	14.4	19.1	23.5	27.5	28.8	29.8	28.3	23.9	16.5	13.9
USGS073802516 Barataria Pass at Grand Isle	10.9	15.0	16.5	20.5	24.5	28.1	29.0	29.5	28.2	23.6	16.1	16.2
HWQ14 - Lake Washington	10.5	14.5	16.7	20.6	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.6
HWQ16 - Bayou Grand Liard	14.4	15.9	16.7	20.3	24.5	28.2	29.5	30.1	28.8	24.8	18.7	17.6
CRMS 3985	10.0	13.5	15.4	19.6	23.7	27.3	28.6	29.3	28.0	23.2	15.4	15.4
CRMS 0258	8.7	13.4	13.4	17.9	21.9	25.5	26.3	25.6	27.0	22.1	13.7	12.8
CRMS 0224	9.7	14.4	15.3	19.6	23.5	27.2	28.2	28.9	27.5	22.9	15.0	15.0
CRMS 0163	8.9	12.0	12.8	17.1	20.7	24.9	25.8	26.3	25.6	21.2	14.6	13.3
CRMS 0162	8.5	11.4	12.0	16.8	21.2	25.9	27.4	27.2	26.2	21.0	14.7	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-4.4	-4.0	-4.3	-2.3	-0.8	1.4	0.3	-0.2	-1.4	1.1	-5.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-1.7	-3.3	-2.8	-1.2	-0.2	1.1	0.1	0.0	-0.2	0.1	-4.6
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-0.1	-1.8	-1.5	-0.9	-0.4	-0.1	-0.1	-0.1	-0.1	-0.2	-2.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.2	-0.4	-3.3	-2.5	-1.6	-0.8	-0.3	-0.2	0.0	-0.2	-0.2	-4.3
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-2.7	-1.6	-1.3	-0.8	-0.4	-0.1	0.0	-0.1	-0.1	-3.5
USGS073802516 Barataria Pass at Grand Isle	0.0	-0.1	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.9
HWQ14 - Lake Washington	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.1	0.0	-0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.5
CRMS 3985	0.0	0.0	-0.7	-0.5	-0.5	-0.4	-0.5	-0.1	0.0	0.0	0.0	-0.7
CRMS 0258	-0.1	-0.1	0.6	0.6	1.1	1.6	2.0	0.5	0.0	0.0	0.0	0.2
CRMS 0224	-0.1	-0.1	-0.8	-0.5	-0.3	-0.3	-0.1	0.0	0.0	0.0	-0.1	-1.5
CRMS 0163	0.0	0.0	-0.1	0.1	0.1	-0.1	0.0	-0.1	0.0	0.0	-0.2	0.0
CRMS 0162	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1

Figure WQ TEMP 10 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.2	13.0	14.2	19.0	23.1	26.9	27.7	28.2	27.1	22.0	13.4	15.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.1	16.5	20.2	24.1	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.7	13.2	15.2	19.6	23.7	27.9	28.8	29.2	27.8	23.0	15.4	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	18.9	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.5	19.4	23.6	27.5	28.7	29.1	27.6	22.7	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.9	20.7	24.6	28.0	29.0	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.2	15.8	17.0	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.7	18.6
CRMS 3985	10.0	13.5	16.2	20.1	24.2	27.9	29.2	29.5	28.1	23.2	15.4	16.0
CRMS 0258	8.2	12.1	12.6	17.1	20.6	23.7	27.0	28.2	27.0	21.7	13.7	15.3
CRMS 0224	9.8	14.4	16.1	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.8	11.7	12.9	17.2	20.5	24.7	25.4	26.0	25.4	21.1	14.7	14.3
CRMS 0162	8.2	10.8	12.3	17.0	21.2	25.6	26.8	26.9	26.2	20.8	14.7	13.0

V3PR4 HYST - cy 0 - 1970 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	7.7	10.3	14.8	20.8	26.2	28.5	28.4	27.0	20.4	14.6	11.2
CRMS0276 - Just east of Wilkinson Canal	11.2	15.2	16.6	20.2	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.8	13.3	15.2	19.7	23.8	27.9	28.8	29.2	27.8	23.0	15.4	16.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.9	9.2	11.0	15.7	21.3	26.4	27.7	28.0	26.9	21.4	13.4	13.3
USGS7380251 Barataria Bay North of Grand Isle	9.1	12.3	13.5	17.7	22.4	27.1	28.7	28.9	27.6	22.7	14.9	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.1	12.2	12.9	17.6	22.3	26.9	28.5	29.1	27.8	23.1	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	10.4	13.5	14.3	18.9	23.1	27.6	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.7	14.9	16.5	20.4	24.5	28.0	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.5	14.5	16.6	20.6	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.7	15.7	16.8	20.3	24.5	28.2	29.5	30.1	28.8	24.7	18.6	18.5
CRMS 3985	10.0	13.4	15.5	19.4	23.5	27.4	29.1	29.4	28.1	23.2	15.4	16.1
CRMS 0258	8.1	12.1	13.2	17.9	22.0	25.4	27.2	28.2	27.0	21.7	13.7	15.2
CRMS 0224	9.2	13.8	15.2	19.5	23.4	27.3	28.3	28.9	27.5	22.9	15.0	16.4
CRMS 0163	8.8	11.7	13.0	17.2	20.6	24.8	25.5	26.1	25.5	21.1	14.5	14.4
CRMS 0162	8.2	10.9	12.4	17.2	21.2	25.6	26.8	26.9	26.2	20.8	14.7	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.3	-3.9	-4.2	-2.3	-0.8	0.8	0.1	-0.1	-1.6	1.1	-3.9
CRMS0276 - Just east of Wilkinson Canal	-0.4	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.2	-3.9	-3.5	-3.2	-1.5	-0.2	0.3	0.1	0.1	-0.3	0.1	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-1.0	-2.0	-1.7	-1.1	-0.4	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.4	-2.3	-3.5	-2.7	-1.9	-0.6	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.0	-1.7	-2.8	-1.9	-1.7	-0.6	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.2	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.5	-0.1	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	0.0	-0.1	-0.7	-0.7	-0.7	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0258	-0.2	0.0	0.6	0.8	1.4	1.7	0.3	0.0	0.0	0.0	0.0	-0.1
CRMS 0224	-0.6	-0.7	-0.9	-0.5	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.1	0.0	-0.2	0.0
CRMS 0162	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 11 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.1	12.9	14.4	19.1	23.1	27.0	27.6	28.2	27.1	22.0	13.5	14.5
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.2	20.0	24.1	28.0	28.9	29.4	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	12.3	14.4	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.6	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	15.4	19.4	23.6	27.5	28.7	29.1	27.7	22.7	15.1	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	17.1	20.8	24.8	28.2	29.3	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.3	15.0	16.3	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.9	29.2	29.4	28.1	23.3	15.4	16.1
CRMS 0258	8.0	11.6	12.8	17.3	20.8	24.9	26.5	28.2	27.0	22.0	13.9	13.0
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.7	10.8	12.5	17.0	20.6	24.8	25.5	26.1	25.5	21.1	14.6	13.7
CRMS 0162	7.8	8.7	11.2	16.4	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.2

V3PR4 HYST - cy 0 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.9	10.2	14.7	20.7	26.4	28.4	28.4	26.9	20.6	14.6	10.0
CRMS0276 - Just east of Wilkinson Canal	11.5	14.3	16.2	20.1	24.1	28.0	28.9	29.5	28.1	23.7	16.7	17.2
Barataria Waterway at Lafitte (USACE82875)	9.8	12.5	14.5	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.5	10.6	15.4	21.2	26.5	27.7	28.0	26.8	21.4	13.4	11.3
USGS7380251 Barataria Bay North of Grand Isle	8.8	10.4	12.5	17.2	22.4	27.3	28.6	28.9	27.6	22.7	15.0	14.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.8	9.1	11.7	17.0	22.2	27.4	28.5	29.1	27.8	23.1	15.8	13.9
USGS 07380335 - Little Lake Near Cutoff	10.0	10.3	12.6	18.2	23.0	28.0	29.2	29.8	28.3	23.8	16.5	15.2
USGS073802516 Barataria Pass at Grand Isle	10.5	13.7	15.9	20.3	24.5	28.0	29.0	29.5	28.2	23.6	16.1	16.7
HWQ14 - Lake Washington	10.4	14.2	16.4	20.5	24.6	28.3	29.3	29.6	28.3	23.7	15.7	16.7
HWQ16 - Bayou Grand Liard	13.9	14.2	15.7	20.1	24.4	28.1	29.5	30.1	28.8	24.8	18.7	18.0
CRMS 3985	10.0	12.3	14.3	19.1	23.4	27.7	29.2	29.4	28.1	23.3	15.4	15.8
CRMS 0258	8.0	10.9	12.9	18.0	22.1	25.3	26.6	28.3	27.0	22.0	13.9	13.0
CRMS 0224	9.2	11.8	14.1	19.1	23.3	27.4	28.3	28.9	27.5	22.9	15.0	15.3
CRMS 0163	8.7	10.8	12.5	17.1	20.6	24.7	25.6	26.2	25.6	21.1	14.7	13.7
CRMS 0162	7.9	8.9	11.4	16.5	21.2	25.6	26.9	27.0	26.2	21.1	14.7	12.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.5	-6.0	-4.2	-4.4	-2.4	-0.6	0.8	0.1	-0.2	-1.3	1.1	-4.6
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.2	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.4	-5.7	-4.0	-3.6	-1.6	-0.1	0.3	0.1	0.0	-0.2	0.1	-3.6
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-2.8	-2.9	-2.1	-1.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-1.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.7	-5.4	-4.8	-3.3	-2.0	-0.2	-0.1	-0.1	0.0	-0.1	-0.1	-2.7
USGS 07380335 - Little Lake Near Cutoff	-1.4	-4.8	-4.5	-2.6	-1.8	-0.2	-0.1	0.0	0.0	-0.1	-0.1	-2.2
USGS073802516 Barataria Pass at Grand Isle	-0.4	-1.4	-1.0	-0.4	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.4
HWQ14 - Lake Washington	0.0	-0.4	-0.4	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.4	-0.8	-0.6	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.4
CRMS 3985	-0.1	-1.1	-2.0	-1.0	-0.8	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2
CRMS 0258	0.0	-0.7	0.1	0.7	1.3	0.4	0.2	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.5	-2.6	-2.1	-0.9	-0.6	-0.1	0.0	0.0	0.0	0.0	0.0	-1.1
CRMS 0163	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.0
CRMS 0162	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 12 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	12.9	14.6	19.0	22.9	27.0	27.7	28.2	27.1	22.0	13.2	14.7
CRMS0276 - Just east of Wilkinson Canal	11.7	14.9	16.6	20.3	24.1	27.9	29.0	29.5	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.0	15.5	19.8	23.8	27.9	28.7	29.1	27.7	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.4	18.9	22.7	26.5	27.3	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	15.7	19.4	23.7	27.6	28.8	29.1	27.7	22.7	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.0	28.9	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.6	15.4	17.2	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.6	18.4
CRMS 3985	10.0	13.5	16.2	20.2	24.2	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.9	14.3	17.7	20.8	26.9	27.7	28.2	27.0	22.0	12.6	13.3
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	9.0	11.5	13.0	17.3	20.5	24.5	25.3	26.1	25.4	21.2	14.7	13.9
CRMS 0162	8.5	10.0	12.4	17.3	21.1	25.2	26.7	26.9	26.2	21.0	14.7	12.6

V3PR4 HYST - cy 0 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.1	7.7	11.0	16.0	21.1	26.5	28.5	28.4	27.0	20.5	14.5	11.0
CRMS0276 - Just east of Wilkinson Canal	11.6	14.7	16.7	20.3	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	15.5	19.8	23.8	27.9	28.7	29.1	27.8	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	9.1	12.6	17.8	21.9	26.6	27.6	28.0	26.9	21.4	13.4	13.2
USGS7380251 Barataria Bay North of Grand Isle	9.5	11.9	15.0	19.1	23.2	27.5	28.7	28.9	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	11.4	15.3	19.7	23.2	27.5	28.5	29.1	27.8	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	11.2	12.8	16.3	20.4	24.1	28.2	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.9	14.4	16.8	20.6	24.5	28.0	28.9	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.5	14.4	16.7	20.6	24.7	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.4	15.1	17.2	20.4	24.5	28.1	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.0	13.3	16.3	20.0	24.0	28.0	29.2	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.6	11.6	14.6	17.8	21.7	26.9	27.7	28.2	27.0	22.0	12.6	13.4
CRMS 0224	9.7	13.4	15.9	19.9	23.7	27.5	28.3	28.9	27.6	22.9	15.0	16.3
CRMS 0163	8.9	11.5	13.0	17.2	20.4	24.5	25.4	26.1	25.5	21.1	14.5	14.0
CRMS 0162	8.5	10.1	12.5	17.3	21.0	25.2	26.7	26.9	26.2	20.9	14.6	12.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-5.2	-3.6	-3.0	-1.9	-0.5	0.8	0.1	-0.1	-1.5	1.2	-3.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-4.0	-1.9	-1.1	-0.8	0.1	0.3	0.1	0.1	-0.3	0.1	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-1.4	-0.8	-0.4	-0.4	-0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-3.0	-1.2	-0.6	-0.9	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-2.4	-0.8	-0.4	-0.7	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.7	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	-0.2	0.1	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.3	0.2	0.2	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.1	-1.1	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	-0.1	0.1
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 13 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.0	12.9	14.3	19.1	23.0	27.0	27.5	27.9	27.1	22.0	13.5	14.9
CRMS0276 - Just east of Wilkinson Canal	11.5	14.3	16.3	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.8	19.5	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.3	15.5	19.4	23.6	27.5	28.6	28.9	27.5	22.7	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.3	15.1	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.9	14.7	16.6	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.3	15.4	16.1
CRMS 0258	7.8	11.6	12.7	17.2	20.6	23.7	24.3	24.4	26.3	22.1	13.9	14.5
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.1	16.4
CRMS 0163	8.5	10.4	12.6	17.1	20.6	24.8	25.7	26.3	25.6	21.1	14.7	14.3
CRMS 0162	7.4	8.3	11.8	16.8	21.2	25.7	27.3	27.2	26.2	20.9	14.7	12.9

V3PR4 HYST - cy 0 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.8	10.2	14.7	20.8	26.2	28.9	28.2	26.8	20.5	14.7	11.1
CRMS0276 - Just east of Wilkinson Canal	11.0	14.1	16.4	20.1	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.6	12.2	14.9	19.6	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	7.4	10.7	15.7	21.3	26.4	28.7	28.1	26.8	21.4	13.4	13.2
USGS7380251 Barataria Bay North of Grand Isle	8.4	10.1	13.0	17.6	22.5	27.0	28.4	28.7	27.5	22.6	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.7	8.8	12.2	17.3	22.5	26.8	28.3	28.7	27.8	23.1	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	8.9	10.0	13.3	18.5	23.4	27.4	28.8	29.4	28.3	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	10.2	13.5	16.2	20.3	24.5	28.0	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.4	14.1	16.5	20.5	24.7	28.2	29.3	29.6	28.3	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	12.8	13.8	16.2	20.2	24.5	28.2	29.4	30.1	28.8	24.8	18.7	18.5
CRMS 3985	9.7	12.1	15.0	19.3	23.6	27.3	28.5	29.0	28.0	23.2	15.4	16.1
CRMS 0258	7.6	10.7	13.1	18.0	22.0	25.7	26.7	26.1	26.3	22.0	13.9	14.5
CRMS 0224	8.6	11.3	14.6	19.3	23.5	27.2	28.2	28.8	27.5	22.9	15.0	16.3
CRMS 0163	8.6	10.5	12.7	17.1	20.4	24.7	25.6	26.2	25.6	21.1	14.7	14.4
CRMS 0162	7.5	8.5	11.9	16.9	21.2	25.7	27.2	27.2	26.2	20.8	14.7	12.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.1	-4.1	-4.3	-2.2	-0.8	1.4	0.3	-0.3	-1.5	1.2	-3.8
CRMS0276 - Just east of Wilkinson Canal	-0.6	-0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-5.8	-3.8	-3.3	-1.4	-0.2	1.2	0.2	0.0	-0.3	0.1	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-1.0	-3.2	-2.4	-1.8	-1.1	-0.5	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.8	-5.6	-4.3	-2.9	-1.7	-0.8	-0.2	-0.5	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-2.4	-5.1	-3.8	-2.3	-1.4	-0.8	-0.4	-0.5	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.8	-1.5	-0.8	-0.4	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.5	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-1.1	-0.9	-0.4	-0.1	0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.3	-1.4	-1.3	-0.8	-0.6	-0.6	-0.6	-0.4	-0.1	0.0	0.0	0.0
CRMS 0258	-0.2	-0.9	0.3	0.7	1.4	1.9	2.4	1.7	0.0	0.0	0.0	0.0
CRMS 0224	-1.1	-3.0	-1.6	-0.8	-0.4	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.1	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.1	0.0	0.1
CRMS 0162	0.1	0.2	0.1	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0

Figure WQ TEMP 14 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.3	19.1	23.1	27.0	27.5	27.9	27.1	22.0	13.5	14.6
CRMS0276 - Just east of Wilkinson Canal	11.7	15.2	16.4	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	10.0	13.5	14.9	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.7	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.4	23.6	27.4	28.5	28.9	27.7	22.7	15.1	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.3	24.2	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.6	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.5	15.9	16.8	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.8	18.1
CRMS 3985	10.0	13.5	16.1	20.1	24.2	27.7	29.1	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.7	13.5	12.9	17.3	20.7	23.9	24.2	25.1	27.0	22.1	13.8	12.6
CRMS 0224	9.8	14.5	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.9	11.9	12.8	17.0	20.6	24.9	25.8	26.4	25.7	21.2	14.8	13.3
CRMS 0162	8.5	11.3	11.9	16.7	21.1	25.9	27.4	27.2	26.2	21.1	14.8	11.4

V3PR4 HYST - cy 0 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.8	10.3	14.7	20.7	26.2	28.9	28.2	26.9	20.6	14.6	9.2
CRMS0276 - Just east of Wilkinson Canal	11.6	15.2	16.4	20.1	24.1	28.0	29.0	29.5	28.1	23.7	16.7	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.5	15.0	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	11.2	10.9	15.5	21.2	26.4	28.7	28.0	26.8	21.5	13.4	9.7
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	13.3	17.4	22.5	26.8	28.4	28.8	27.5	22.7	15.0	13.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	14.1	12.5	17.2	22.2	26.7	28.4	29.0	27.8	23.1	15.7	11.6
USGS 07380335 - Little Lake Near Cutoff	11.3	15.0	13.6	18.4	23.0	27.2	28.8	29.8	28.4	23.9	16.5	12.9
USGS073802516 Barataria Pass at Grand Isle	10.9	15.0	16.3	20.3	24.5	28.0	29.0	29.5	28.2	23.6	16.1	15.9
HWQ14 - Lake Washington	10.5	14.5	16.6	20.5	24.6	28.2	29.3	29.6	28.3	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	14.4	15.9	16.5	20.1	24.4	28.2	29.4	30.1	28.8	24.8	18.7	17.1
CRMS 3985	10.0	13.5	14.9	19.2	23.4	27.1	28.5	29.3	28.0	23.2	15.4	14.8
CRMS 0258	8.7	13.4	13.3	18.0	22.1	25.9	26.7	25.6	27.0	22.0	13.7	12.6
CRMS 0224	9.7	14.4	14.9	19.2	23.3	27.1	28.2	28.9	27.5	22.9	15.0	14.3
CRMS 0163	8.9	11.9	12.8	17.0	20.6	24.9	25.8	26.4	25.6	21.2	14.7	13.4
CRMS 0162	8.5	11.3	12.0	16.9	21.2	25.9	27.3	27.2	26.2	21.1	14.8	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-4.4	-4.0	-4.4	-2.4	-0.9	1.4	0.3	-0.2	-1.4	1.1	-5.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.7	-1.9	-3.6	-3.5	-1.6	-0.3	1.2	0.1	0.0	-0.3	0.1	-5.1
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-0.2	-2.3	-2.0	-1.1	-0.6	-0.1	-0.1	-0.1	-0.1	-0.1	-2.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.2	-0.4	-3.9	-3.1	-2.0	-0.9	-0.3	-0.2	0.0	-0.2	-0.2	-5.1
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-3.5	-2.4	-1.8	-1.0	-0.5	-0.1	0.0	-0.1	-0.1	-4.5
USGS073802516 Barataria Pass at Grand Isle	0.0	-0.1	-0.6	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-1.2
HWQ14 - Lake Washington	0.0	0.0	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ16 - Bayou Grand Liard	-0.1	0.0	-0.3	-0.1	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	-1.0
CRMS 3985	0.0	0.0	-1.3	-0.9	-0.8	-0.6	-0.6	-0.1	-0.1	0.0	0.0	-1.3
CRMS 0258	-0.1	-0.1	0.4	0.7	1.3	2.0	2.5	0.5	0.0	0.0	0.0	0.0
CRMS 0224	-0.1	-0.1	-1.3	-0.8	-0.6	-0.4	-0.1	0.0	0.0	0.0	0.0	-2.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1
CRMS 0162	0.0	0.0	0.1	0.2	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.2

Figure WQ TEMP 15 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.2	13.0	14.2	19.0	23.1	26.9	27.7	28.2	27.1	22.0	13.4	15.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.1	16.5	20.2	24.1	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.7	13.2	15.2	19.6	23.7	27.9	28.8	29.2	27.8	23.0	15.4	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	18.9	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.5	19.4	23.6	27.5	28.7	29.1	27.6	22.7	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.9	20.7	24.6	28.0	29.0	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.2	15.8	17.0	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.7	18.6
CRMS 3985	10.0	13.5	16.2	20.1	24.2	27.9	29.2	29.5	28.1	23.2	15.4	16.0
CRMS 0258	8.2	12.1	12.6	17.1	20.6	23.7	27.0	28.2	27.0	21.7	13.7	15.3
CRMS 0224	9.8	14.4	16.1	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.8	11.7	12.9	17.2	20.5	24.7	25.4	26.0	25.4	21.1	14.7	14.3
CRMS 0162	8.2	10.8	12.3	17.0	21.2	25.6	26.8	26.9	26.2	20.8	14.7	13.0

V3PR5 HYST - cy 0 - 1970 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	7.7	10.3	14.8	20.8	26.2	28.5	28.4	27.0	20.4	14.6	11.2
CRMS0276 - Just east of Wilkinson Canal	11.2	15.2	16.6	20.2	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.8	13.3	15.2	19.7	23.8	27.9	28.8	29.2	27.8	23.0	15.4	16.0
USGS2928590900040000 Barataria Waterway South of Lafitte	7.0	9.4	11.1	16.0	21.4	26.5	27.7	28.0	26.8	21.5	13.4	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.1	12.3	13.5	17.6	22.4	27.1	28.6	28.9	27.6	22.6	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.1	12.1	12.9	17.6	22.3	26.9	28.5	29.1	27.8	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	10.4	13.5	14.3	18.9	23.1	27.6	29.2	29.8	28.3	23.8	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.7	14.9	16.4	20.4	24.5	28.0	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.5	14.5	16.6	20.6	24.6	28.3	29.3	29.6	28.3	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	13.7	15.7	16.8	20.3	24.5	28.2	29.5	30.1	28.8	24.7	18.6	18.5
CRMS 3985	10.0	13.4	15.5	19.4	23.5	27.4	29.1	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.1	12.2	13.2	17.9	22.0	25.4	27.2	28.2	27.0	21.7	13.7	15.2
CRMS 0224	9.2	13.8	15.2	19.5	23.4	27.3	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.8	11.7	13.0	17.1	20.5	24.6	25.4	26.1	25.5	21.0	14.5	14.3
CRMS 0162	8.2	10.9	12.4	17.1	21.3	25.6	26.9	26.9	26.2	20.8	14.7	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.3	-4.0	-4.2	-2.3	-0.8	0.8	0.1	-0.1	-1.6	1.1	-3.9
CRMS0276 - Just east of Wilkinson Canal	-0.4	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-3.7	-3.3	-2.9	-1.4	-0.2	0.3	0.1	0.0	-0.3	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-1.0	-2.0	-1.7	-1.2	-0.4	-0.1	-0.2	-0.1	-0.1	-0.2	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.4	-2.3	-3.6	-2.7	-1.9	-0.6	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.0	-1.7	-2.9	-1.9	-1.7	-0.6	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.2	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.5	-0.1	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	0.0	-0.1	-0.7	-0.7	-0.7	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0258	-0.1	0.0	0.6	0.8	1.4	1.7	0.3	0.0	0.0	0.0	0.0	-0.1
CRMS 0224	-0.6	-0.7	-0.9	-0.5	-0.4	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.1	0.0	-0.1	-0.2	0.0
CRMS 0162	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 16 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.1	12.9	14.4	19.1	23.1	27.0	27.6	28.2	27.1	22.0	13.5	14.5
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.2	20.0	24.1	28.0	28.9	29.4	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	12.3	14.4	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.6	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	15.4	19.4	23.6	27.5	28.7	29.1	27.7	22.7	15.1	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	17.1	20.8	24.8	28.2	29.3	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.3	15.0	16.3	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.9	29.2	29.4	28.1	23.3	15.4	16.1
CRMS 0258	8.0	11.6	12.8	17.3	20.8	24.9	26.5	28.2	27.0	22.0	13.9	13.0
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.7	10.8	12.5	17.0	20.6	24.8	25.5	26.1	25.5	21.1	14.6	13.7
CRMS 0162	7.8	8.7	11.2	16.4	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.2

V3PR5 HYST - cy 0 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.9	10.2	14.7	20.7	26.4	28.4	28.4	26.9	20.7	14.6	10.0
CRMS0276 - Just east of Wilkinson Canal	11.5	14.3	16.2	20.1	24.1	28.0	28.9	29.5	28.1	23.7	16.7	17.2
Barataria Waterway at Lafitte (USACE82875)	9.8	12.5	14.5	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.8	7.7	10.8	15.6	21.4	26.6	27.6	28.0	26.8	21.5	13.4	11.4
USGS7380251 Barataria Bay North of Grand Isle	8.7	10.4	12.5	17.2	22.4	27.4	28.6	28.9	27.6	22.7	15.0	14.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.7	9.1	11.7	17.0	22.2	27.4	28.5	29.1	27.8	23.1	15.8	13.9
USGS 07380335 - Little Lake Near Cutoff	10.0	10.3	12.6	18.2	23.0	28.0	29.2	29.8	28.3	23.9	16.5	15.1
USGS073802516 Barataria Pass at Grand Isle	10.5	13.7	15.9	20.3	24.5	28.0	29.0	29.5	28.2	23.6	16.1	16.7
HWQ14 - Lake Washington	10.4	14.2	16.4	20.5	24.6	28.3	29.3	29.6	28.3	23.7	15.7	16.7
HWQ16 - Bayou Grand Liard	13.9	14.2	15.7	20.0	24.4	28.1	29.5	30.1	28.8	24.8	18.7	18.0
CRMS 3985	10.0	12.3	14.2	19.1	23.4	27.7	29.2	29.4	28.1	23.3	15.4	15.8
CRMS 0258	8.0	10.9	12.9	18.0	22.1	25.3	26.6	28.3	27.0	22.0	13.9	13.0
CRMS 0224	9.2	11.8	14.2	19.1	23.3	27.4	28.3	28.9	27.5	22.9	15.0	15.3
CRMS 0163	8.7	10.8	12.5	17.0	20.6	24.7	25.5	26.2	25.6	21.1	14.7	13.9
CRMS 0162	7.9	8.9	11.4	16.6	21.2	25.5	27.0	27.0	26.2	21.0	14.7	12.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.5	-6.0	-4.2	-4.4	-2.4	-0.6	0.8	0.1	-0.2	-1.3	1.1	-4.6
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-5.5	-3.8	-3.4	-1.4	-0.1	0.3	0.1	0.0	-0.2	0.1	-3.4
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-2.9	-3.0	-2.2	-1.2	-0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-1.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.8	-5.4	-4.9	-3.3	-2.0	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2	-2.7
USGS 07380335 - Little Lake Near Cutoff	-1.4	-4.8	-4.5	-2.6	-1.8	-0.2	-0.1	0.0	0.0	0.0	-0.1	-2.2
USGS073802516 Barataria Pass at Grand Isle	-0.4	-1.4	-1.0	-0.4	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.4
HWQ14 - Lake Washington	-0.1	-0.4	-0.4	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.4	-0.8	-0.6	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.4
CRMS 3985	-0.1	-1.2	-2.1	-1.1	-0.8	-0.1	0.0	0.0	0.0	0.0	0.1	-0.3
CRMS 0258	0.0	-0.6	0.1	0.7	1.3	0.4	0.2	0.0	0.0	0.0	0.0	0.1
CRMS 0224	-0.5	-2.6	-2.0	-0.9	-0.6	-0.1	0.0	0.0	0.0	0.0	0.0	-1.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.1	0.2
CRMS 0162	0.1	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1

Figure WQ TEMP 17 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	12.9	14.6	19.0	22.9	27.0	27.7	28.2	27.1	22.0	13.2	14.7
CRMS0276 - Just east of Wilkinson Canal	11.7	14.9	16.6	20.3	24.1	27.9	29.0	29.5	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.0	15.5	19.8	23.8	27.9	28.7	29.1	27.7	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.4	18.9	22.7	26.5	27.3	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	15.7	19.4	23.7	27.6	28.8	29.1	27.7	22.7	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.0	28.9	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.6	15.4	17.2	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.6	18.4
CRMS 3985	10.0	13.5	16.2	20.2	24.2	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.9	14.3	17.7	20.8	26.9	27.7	28.2	27.0	22.0	12.6	13.3
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	9.0	11.5	13.0	17.3	20.5	24.5	25.3	26.1	25.4	21.2	14.7	13.9
CRMS 0162	8.5	10.0	12.4	17.3	21.1	25.2	26.7	26.9	26.2	21.0	14.7	12.6

V3PR5 HYST - cy 0 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	7.7	11.0	16.0	21.1	26.5	28.5	28.4	27.0	20.5	14.5	11.0
CRMS0276 - Just east of Wilkinson Canal	11.6	14.7	16.7	20.3	24.2	28.0	29.0	29.5	28.1	23.7	16.6	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	15.5	19.8	23.8	27.9	28.7	29.1	27.8	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	9.4	12.7	18.0	22.0	26.6	27.6	28.0	26.9	21.5	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	9.5	11.9	14.9	19.0	23.2	27.5	28.7	28.9	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	11.4	15.3	19.7	23.2	27.5	28.5	29.1	27.8	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	11.2	12.8	16.4	20.4	24.1	28.2	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.9	14.4	16.8	20.6	24.5	28.0	28.9	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.5	14.4	16.7	20.6	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.4	15.1	17.2	20.4	24.5	28.1	29.5	30.1	28.8	24.7	18.5	18.4
CRMS 3985	10.0	13.3	16.3	20.0	24.0	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.6	14.6	17.8	21.7	27.0	27.7	28.2	27.0	22.1	12.6	13.4
CRMS 0224	9.7	13.4	15.9	19.9	23.7	27.5	28.3	28.9	27.5	22.9	15.0	16.3
CRMS 0163	9.0	11.6	13.0	17.2	20.5	24.6	25.4	26.0	25.5	21.1	14.6	14.1
CRMS 0162	8.5	10.0	12.5	17.2	21.0	25.3	26.7	26.9	26.1	20.9	14.6	12.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-5.2	-3.6	-3.0	-1.9	-0.5	0.8	0.1	0.0	-1.5	1.3	-3.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.5	-3.7	-1.7	-0.9	-0.7	0.1	0.3	0.1	0.1	-0.2	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-1.4	-0.8	-0.4	-0.5	-0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-3.0	-1.2	-0.6	-0.9	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-2.4	-0.8	-0.4	-0.7	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.7	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.4	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	-0.2	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.3	0.2	0.1	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.1	-1.1	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0163	0.0	0.1	-0.1	-0.1	0.0	0.1	0.0	-0.1	0.1	0.0	-0.1	0.2
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 18 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.0	12.9	14.3	19.1	23.0	27.0	27.5	27.9	27.1	22.0	13.5	14.9
CRMS0276 - Just east of Wilkinson Canal	11.5	14.3	16.3	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.8	19.5	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.3	15.5	19.4	23.6	27.5	28.6	28.9	27.5	22.7	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.3	15.1	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.9	14.7	16.6	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.3	15.4	16.1
CRMS 0258	7.8	11.6	12.7	17.2	20.6	23.7	24.3	24.4	26.3	22.1	13.9	14.5
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.1	16.4
CRMS 0163	8.5	10.4	12.6	17.1	20.6	24.8	25.7	26.3	25.6	21.1	14.7	14.3
CRMS 0162	7.4	8.3	11.8	16.8	21.2	25.7	27.3	27.2	26.2	20.9	14.7	12.9

V3PR5 HYST - cy 0 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.8	10.2	14.7	20.8	26.2	28.9	28.2	26.8	20.5	14.7	11.1
CRMS0276 - Just east of Wilkinson Canal	11.0	14.1	16.4	20.1	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.6	12.2	14.9	19.6	23.8	27.9	28.8	29.2	27.8	23.1	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	6.5	7.5	10.9	15.9	21.5	26.5	28.6	28.1	26.8	21.5	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.4	10.0	13.0	17.5	22.5	27.0	28.4	28.7	27.5	22.6	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.7	8.8	12.2	17.3	22.5	26.8	28.3	28.7	27.8	23.1	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	8.9	10.0	13.3	18.5	23.4	27.4	28.8	29.4	28.3	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	10.2	13.5	16.2	20.3	24.5	28.1	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.4	14.1	16.5	20.5	24.7	28.2	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	12.8	13.8	16.2	20.1	24.5	28.2	29.4	30.1	28.8	24.8	18.7	18.5
CRMS 3985	9.7	12.0	14.9	19.3	23.6	27.2	28.5	29.0	28.0	23.2	15.4	16.1
CRMS 0258	7.7	10.8	13.1	18.0	21.9	25.6	26.7	26.0	26.3	22.0	13.9	14.5
CRMS 0224	8.7	11.4	14.6	19.3	23.5	27.2	28.2	28.8	27.5	22.9	15.0	16.3
CRMS 0163	8.6	10.5	12.6	17.1	20.5	24.8	25.6	26.2	25.6	21.1	14.9	14.6
CRMS 0162	7.5	8.5	11.9	16.9	21.2	25.7	27.2	27.2	26.2	20.9	14.7	12.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.1	-4.1	-4.3	-2.3	-0.8	1.4	0.3	-0.3	-1.5	1.2	-3.8
CRMS0276 - Just east of Wilkinson Canal	-0.6	-0.1	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-5.6	-3.6	-3.1	-1.3	-0.2	1.2	0.2	0.0	-0.2	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-1.0	-3.2	-2.5	-1.9	-1.1	-0.5	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.8	-5.7	-4.4	-3.0	-1.7	-0.8	-0.2	-0.5	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-2.4	-5.1	-3.8	-2.3	-1.4	-0.8	-0.4	-0.5	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.8	-1.5	-0.8	-0.4	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	-0.1	-0.5	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-1.1	-0.9	-0.4	-0.1	0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.3	-1.5	-1.4	-0.9	-0.6	-0.6	-0.6	-0.4	-0.1	0.0	0.0	0.0
CRMS 0258	-0.2	-0.8	0.3	0.7	1.4	1.9	2.4	1.6	0.0	0.0	0.0	0.0
CRMS 0224	-1.1	-2.9	-1.6	-0.7	-0.3	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.1	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.1	0.1	0.2
CRMS 0162	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 19 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.3	19.1	23.1	27.0	27.5	27.9	27.1	22.0	13.5	14.6
CRMS0276 - Just east of Wilkinson Canal	11.7	15.2	16.4	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	10.0	13.5	14.9	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.7	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.4	23.6	27.4	28.5	28.9	27.7	22.7	15.1	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.3	24.2	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.6	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.5	15.9	16.8	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.8	18.1
CRMS 3985	10.0	13.5	16.1	20.1	24.2	27.7	29.1	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.7	13.5	12.9	17.3	20.7	23.9	24.2	25.1	27.0	22.1	13.8	12.6
CRMS 0224	9.8	14.5	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.9	11.9	12.8	17.0	20.6	24.9	25.8	26.4	25.7	21.2	14.8	13.3
CRMS 0162	8.5	11.3	11.9	16.7	21.1	25.9	27.4	27.2	26.2	21.1	14.8	11.4

V3PR5 HYST - cy 0 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.8	10.3	14.7	20.7	26.2	28.9	28.2	26.9	20.6	14.6	9.2
CRMS0276 - Just east of Wilkinson Canal	11.6	15.3	16.4	20.1	24.1	28.0	29.0	29.4	28.1	23.7	16.7	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.6	15.0	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.4	11.1	15.7	21.4	26.4	28.6	28.0	26.8	21.5	13.4	9.9
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	13.2	17.3	22.4	26.8	28.4	28.8	27.5	22.7	15.0	13.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	14.1	12.5	17.1	22.2	26.7	28.4	29.0	27.8	23.1	15.7	11.6
USGS 07380335 - Little Lake Near Cutoff	11.3	15.0	13.6	18.4	23.0	27.2	28.8	29.8	28.3	23.9	16.5	12.9
USGS073802516 Barataria Pass at Grand Isle	10.9	15.0	16.3	20.3	24.5	28.0	29.0	29.5	28.2	23.6	16.1	15.9
HWQ14 - Lake Washington	10.5	14.5	16.6	20.5	24.6	28.2	29.3	29.6	28.3	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	14.4	15.9	16.5	20.1	24.4	28.1	29.4	30.1	28.8	24.8	18.7	17.1
CRMS 3985	10.0	13.5	14.8	19.2	23.4	27.1	28.5	29.3	28.0	23.2	15.4	14.7
CRMS 0258	8.7	13.4	13.3	18.0	22.1	25.9	26.7	25.6	27.0	22.0	13.7	12.7
CRMS 0224	9.7	14.4	15.0	19.3	23.3	27.2	28.2	28.9	27.5	22.9	15.0	14.3
CRMS 0163	8.9	12.0	12.8	17.0	20.7	24.9	25.8	26.3	25.6	21.2	14.7	13.5
CRMS 0162	8.5	11.4	12.1	16.9	21.2	25.8	27.3	27.2	26.2	21.1	14.7	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-4.4	-4.0	-4.4	-2.4	-0.9	1.4	0.3	-0.2	-1.4	1.1	-5.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-1.7	-3.5	-3.3	-1.4	-0.3	1.2	0.1	0.0	-0.2	0.1	-4.9
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-0.1	-2.4	-2.0	-1.2	-0.6	-0.1	-0.1	-0.1	-0.1	-0.1	-2.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.2	-0.4	-4.0	-3.2	-2.0	-0.9	-0.2	-0.2	0.0	-0.1	-0.2	-5.1
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-3.5	-2.4	-1.8	-1.0	-0.5	-0.1	0.0	0.0	-0.1	-4.5
USGS073802516 Barataria Pass at Grand Isle	0.0	-0.1	-0.6	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-1.2
HWQ14 - Lake Washington	0.0	0.0	-0.2	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ16 - Bayou Grand Liard	-0.1	0.0	-0.3	-0.1	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	-1.0
CRMS 3985	0.0	0.0	-1.3	-0.9	-0.8	-0.6	-0.6	-0.1	-0.1	0.0	0.0	-1.3
CRMS 0258	-0.1	-0.1	0.4	0.7	1.3	2.0	2.4	0.5	0.0	0.0	0.0	0.1
CRMS 0224	-0.1	-0.1	-1.2	-0.8	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.0	-2.1
CRMS 0163	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.2
CRMS 0162	0.0	0.0	0.1	0.2	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	0.1

Figure WQ TEMP 20 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.2	13.0	14.2	19.0	23.1	26.9	27.7	28.2	27.1	22.0	13.4	15.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.1	16.5	20.2	24.1	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.7	13.2	15.2	19.6	23.7	27.9	28.8	29.2	27.8	23.0	15.4	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	18.9	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.5	19.4	23.6	27.5	28.7	29.1	27.6	22.7	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.9	20.7	24.6	28.0	29.0	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.2	15.8	17.0	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.7	18.6
CRMS 3985	10.0	13.5	16.2	20.1	24.2	27.9	29.2	29.5	28.1	23.2	15.4	16.0
CRMS 0258	8.2	12.1	12.6	17.1	20.6	23.7	27.0	28.2	27.0	21.7	13.7	15.3
CRMS 0224	9.8	14.4	16.1	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.8	11.7	12.9	17.2	20.5	24.7	25.4	26.0	25.4	21.1	14.7	14.3
CRMS 0162	8.2	10.8	12.3	17.0	21.2	25.6	26.8	26.9	26.2	20.8	14.7	13.0

V3PR6 HYST - cy 0 - 1970 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	7.7	10.2	14.7	20.7	26.1	28.5	28.3	27.0	20.4	14.6	11.2
CRMS0276 - Just east of Wilkinson Canal	10.9	15.2	16.4	20.2	24.1	28.1	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.8	13.3	15.3	19.7	23.8	27.9	28.8	29.2	27.8	23.0	15.4	16.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.8	9.0	10.7	15.3	21.0	26.4	27.7	28.0	26.9	21.4	13.4	13.3
USGS7380251 Barataria Bay North of Grand Isle	8.8	11.8	12.7	16.9	22.1	26.9	28.6	28.9	27.6	22.6	14.9	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.7	11.3	11.9	16.6	21.7	26.7	28.5	29.1	27.8	23.1	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	9.7	12.6	13.0	17.7	22.4	27.3	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.5	14.7	16.1	20.2	24.3	28.0	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.4	14.4	16.5	20.4	24.5	28.2	29.3	29.6	28.3	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	13.3	15.5	16.3	19.9	24.1	28.1	29.5	30.1	28.8	24.7	18.6	18.5
CRMS 3985	9.8	13.1	14.7	18.6	22.8	27.2	29.1	29.4	28.1	23.2	15.4	16.1
CRMS 0258	8.0	11.9	13.0	17.9	22.3	25.9	27.3	28.3	27.0	21.7	13.7	15.2
CRMS 0224	8.8	13.2	14.5	18.8	22.8	27.2	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.8	11.7	12.9	17.3	20.6	24.8	25.5	26.0	25.5	21.0	14.7	14.4
CRMS 0162	8.2	10.9	12.4	17.2	21.2	25.5	26.8	26.9	26.2	20.8	14.7	12.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.3	-4.0	-4.3	-2.4	-0.8	0.8	0.1	-0.1	-1.6	1.1	-3.9
CRMS0276 - Just east of Wilkinson Canal	-0.7	0.1	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-4.2	-3.8	-3.7	-1.7	-0.3	0.3	0.1	0.1	-0.3	0.1	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-1.6	-2.8	-2.5	-1.5	-0.6	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.8	-3.1	-4.5	-3.7	-2.4	-0.9	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.7	-2.6	-4.2	-3.1	-2.4	-0.9	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.5	-0.4	-0.8	-0.5	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.1	-0.3	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-1.0	-0.3	-0.7	-0.4	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	-0.2	-0.4	-1.6	-1.5	-1.4	-0.7	-0.1	-0.1	0.0	0.0	0.0	0.0
CRMS 0258	-0.3	-0.2	0.3	0.8	1.6	2.3	0.3	0.0	0.0	0.0	0.0	-0.1
CRMS 0224	-0.9	-1.3	-1.7	-1.2	-1.1	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.1	-0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 21 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.1	12.9	14.4	19.1	23.1	27.0	27.6	28.2	27.1	22.0	13.5	14.5
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.2	20.0	24.1	28.0	28.9	29.4	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	12.3	14.4	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.6	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	15.4	19.4	23.6	27.5	28.7	29.1	27.7	22.7	15.1	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	17.1	20.8	24.8	28.2	29.3	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.3	15.0	16.3	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.9	29.2	29.4	28.1	23.3	15.4	16.1
CRMS 0258	8.0	11.6	12.8	17.3	20.8	24.9	26.5	28.2	27.0	22.0	13.9	13.0
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.7	10.8	12.5	17.0	20.6	24.8	25.5	26.1	25.5	21.1	14.6	13.7
CRMS 0162	7.8	8.7	11.2	16.4	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.2

V3PR6 HYST - cy 0 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.8	10.1	14.6	20.7	26.4	28.4	28.3	26.9	20.7	14.6	9.9
CRMS0276 - Just east of Wilkinson Canal	11.3	13.6	15.5	20.0	24.0	28.0	28.9	29.5	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	9.9	12.6	14.6	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.2	10.4	15.0	21.0	26.5	27.7	28.0	26.9	21.5	13.4	11.0
USGS7380251 Barataria Bay North of Grand Isle	8.4	9.0	11.6	16.6	22.0	27.3	28.6	28.9	27.6	22.7	15.0	13.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.3	8.2	11.1	16.1	21.7	27.3	28.5	29.1	27.8	23.1	15.8	13.1
USGS 07380335 - Little Lake Near Cutoff	9.2	8.9	11.6	16.8	22.2	27.9	29.2	29.8	28.3	23.9	16.4	14.3
USGS073802516 Barataria Pass at Grand Isle	10.3	13.0	15.3	20.0	24.3	28.0	29.0	29.5	28.2	23.6	16.1	16.4
HWQ14 - Lake Washington	10.4	13.5	15.7	20.0	24.4	28.2	29.3	29.6	28.3	23.7	15.7	16.6
HWQ16 - Bayou Grand Liard	13.5	12.8	14.5	19.3	23.9	28.1	29.5	30.1	28.8	24.8	18.7	17.5
CRMS 3985	9.7	10.3	12.3	17.9	22.7	27.7	29.2	29.4	28.0	23.3	15.4	15.1
CRMS 0258	7.9	10.0	12.3	17.6	22.3	25.4	26.6	28.3	27.0	22.0	13.9	12.7
CRMS 0224	8.9	9.8	12.4	17.5	22.5	27.4	28.3	28.9	27.5	22.9	15.0	14.6
CRMS 0163	8.8	10.9	12.5	17.0	20.5	24.7	25.6	26.2	25.6	21.2	14.9	13.9
CRMS 0162	7.9	9.2	11.6	16.8	21.2	25.5	26.9	27.0	26.2	21.0	14.7	12.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.6	-6.1	-4.3	-4.5	-2.4	-0.6	0.8	0.1	-0.2	-1.3	1.1	-4.7
CRMS0276 - Just east of Wilkinson Canal	-0.3	-0.9	-0.7	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.4	-6.0	-4.2	-4.0	-1.8	-0.1	0.3	0.1	0.0	-0.2	0.1	-3.8
USGS7380251 Barataria Bay North of Grand Isle	-1.1	-4.2	-3.8	-2.8	-1.6	-0.1	-0.1	-0.2	-0.1	0.0	-0.2	-2.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.3	-6.3	-5.4	-4.2	-2.5	-0.3	-0.1	-0.1	-0.1	-0.2	-0.2	-3.5
USGS 07380335 - Little Lake Near Cutoff	-2.1	-6.2	-5.5	-3.9	-2.5	-0.3	-0.1	0.0	0.0	0.0	-0.1	-3.1
USGS073802516 Barataria Pass at Grand Isle	-0.6	-2.1	-1.7	-0.8	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.7
HWQ14 - Lake Washington	-0.1	-1.0	-1.2	-0.7	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.8	-2.2	-1.9	-0.8	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.9
CRMS 3985	-0.4	-3.2	-4.0	-2.3	-1.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.9
CRMS 0258	-0.1	-1.6	-0.5	0.3	1.5	0.6	0.2	0.0	0.0	0.0	0.0	-0.3
CRMS 0224	-0.9	-4.6	-3.8	-2.5	-1.4	-0.1	0.0	0.0	0.0	0.0	0.0	-1.8
CRMS 0163	0.0	0.2	0.1	0.0	-0.1	-0.1	0.1	0.1	0.0	0.1	0.3	0.2
CRMS 0162	0.1	0.4	0.3	0.3	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 22 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	12.9	14.6	19.0	22.9	27.0	27.7	28.2	27.1	22.0	13.2	14.7
CRMS0276 - Just east of Wilkinson Canal	11.7	14.9	16.6	20.3	24.1	27.9	29.0	29.5	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.0	15.5	19.8	23.8	27.9	28.7	29.1	27.7	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.4	18.9	22.7	26.5	27.3	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	15.7	19.4	23.7	27.6	28.8	29.1	27.7	22.7	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.0	28.9	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.6	15.4	17.2	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.6	18.4
CRMS 3985	10.0	13.5	16.2	20.2	24.2	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.9	14.3	17.7	20.8	26.9	27.7	28.2	27.0	22.0	12.6	13.3
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	9.0	11.5	13.0	17.3	20.5	24.5	25.3	26.1	25.4	21.2	14.7	13.9
CRMS 0162	8.5	10.0	12.4	17.3	21.1	25.2	26.7	26.9	26.2	21.0	14.7	12.6

V3PR6 HYST - cy 0 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.1	7.6	11.0	16.0	21.0	26.5	28.5	28.4	27.0	20.5	14.5	11.1
CRMS0276 - Just east of Wilkinson Canal	11.6	14.4	16.7	20.3	24.2	28.0	28.9	29.5	28.1	23.7	16.6	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	15.5	19.8	23.9	27.9	28.7	29.2	27.8	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	8.9	12.5	17.6	21.7	26.6	27.7	28.0	26.9	21.4	13.4	13.2
USGS7380251 Barataria Bay North of Grand Isle	9.5	11.0	14.6	18.9	23.0	27.5	28.7	28.9	27.6	22.6	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.6	14.9	19.5	22.8	27.5	28.5	29.1	27.8	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	11.2	11.6	15.9	20.2	23.7	28.2	29.2	29.8	28.3	23.8	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.9	14.1	16.7	20.6	24.5	28.0	28.9	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.5	14.3	16.7	20.6	24.7	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.4	14.5	17.1	20.3	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.4
CRMS 3985	10.0	12.7	15.9	19.9	23.8	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.3	14.5	17.9	22.0	27.0	27.7	28.3	27.0	22.1	12.6	13.4
CRMS 0224	9.7	12.6	15.7	19.8	23.6	27.5	28.3	28.9	27.6	22.9	15.0	16.3
CRMS 0163	9.0	11.6	13.1	17.2	20.4	24.5	25.3	26.0	25.4	21.1	14.7	14.0
CRMS 0162	8.5	10.1	12.5	17.3	21.1	25.3	26.7	26.9	26.2	20.9	14.7	12.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-5.3	-3.6	-3.1	-1.9	-0.5	0.8	0.1	-0.1	-1.5	1.2	-3.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-4.2	-2.0	-1.2	-1.0	0.1	0.3	0.1	0.1	-0.3	0.1	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-2.3	-1.2	-0.5	-0.7	-0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-3.9	-1.6	-0.8	-1.3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.3	-3.6	-1.2	-0.6	-1.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-1.0	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-1.0	-0.1	-0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	0.0	-0.8	-0.3	-0.2	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.6	0.2	0.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.1	-1.9	-0.4	-0.2	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0163	0.0	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 23 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.0	12.9	14.3	19.1	23.0	27.0	27.5	27.9	27.1	22.0	13.5	14.9
CRMS0276 - Just east of Wilkinson Canal	11.5	14.3	16.3	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.8	19.5	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.3	15.5	19.4	23.6	27.5	28.6	28.9	27.5	22.7	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.3	15.1	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.9	14.7	16.6	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.3	15.4	16.1
CRMS 0258	7.8	11.6	12.7	17.2	20.6	23.7	24.3	24.4	26.3	22.1	13.9	14.5
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.1	16.4
CRMS 0163	8.5	10.4	12.6	17.1	20.6	24.8	25.7	26.3	25.6	21.1	14.7	14.3
CRMS 0162	7.4	8.3	11.8	16.8	21.2	25.7	27.3	27.2	26.2	20.9	14.7	12.9

V3PR6 HYST - cy 0 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.2	14.6	20.7	26.2	28.9	28.2	26.8	20.5	14.7	11.2
CRMS0276 - Just east of Wilkinson Canal	10.4	13.3	15.9	20.0	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.7	12.3	15.0	19.6	23.8	27.9	28.8	29.2	27.8	23.1	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.1	10.5	15.2	21.1	26.3	28.8	28.1	26.8	21.4	13.4	13.2
USGS7380251 Barataria Bay North of Grand Isle	7.7	8.8	12.0	16.7	22.2	26.8	28.4	28.6	27.5	22.6	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.1	8.0	11.3	16.4	22.0	26.6	28.5	28.6	27.8	23.1	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	7.7	8.6	12.1	17.3	22.7	27.0	28.7	29.2	28.3	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	9.8	12.7	15.7	20.1	24.4	28.0	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.2	13.2	16.2	20.2	24.5	28.2	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	11.7	12.3	15.2	19.6	24.2	28.1	29.4	30.0	28.8	24.7	18.7	18.5
CRMS 3985	8.8	9.9	13.3	18.2	23.1	26.9	28.3	28.9	28.0	23.2	15.4	16.1
CRMS 0258	7.5	9.8	12.6	17.8	22.3	26.2	27.4	26.4	26.3	22.0	13.9	14.5
CRMS 0224	8.0	9.3	13.5	18.2	23.1	27.1	28.2	28.7	27.5	22.9	15.0	16.3
CRMS 0163	8.7	10.6	12.7	17.1	20.5	24.9	25.8	26.3	25.6	21.0	14.8	14.4
CRMS 0162	7.6	8.7	12.0	17.0	21.2	25.6	27.2	27.1	26.2	20.9	14.7	12.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-6.2	-4.1	-4.4	-2.3	-0.8	1.4	0.3	-0.3	-1.5	1.2	-3.8
CRMS0276 - Just east of Wilkinson Canal	-1.2	-1.0	-0.4	-0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.8	-6.0	-4.0	-3.7	-1.7	-0.3	1.4	0.2	0.0	-0.3	0.1	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-1.7	-4.5	-3.5	-2.6	-1.4	-0.7	-0.1	-0.3	-0.1	-0.1	-0.2	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.4	-6.5	-5.2	-3.9	-2.2	-1.0	-0.1	-0.5	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-3.6	-6.5	-5.0	-3.5	-2.1	-1.1	-0.4	-0.6	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.2	-2.4	-1.3	-0.6	-0.2	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	-0.2	-1.4	-0.7	-0.5	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-2.3	-2.4	-1.4	-0.7	-0.2	-0.1	-0.2	-0.1	0.0	0.0	-0.1	0.0
CRMS 3985	-1.2	-3.6	-3.0	-1.9	-1.1	-0.9	-0.9	-0.5	-0.1	0.0	0.0	0.0
CRMS 0258	-0.4	-1.9	-0.1	0.5	1.7	2.5	3.1	2.0	0.0	0.0	0.0	0.0
CRMS 0224	-1.7	-5.1	-2.7	-1.8	-0.8	-0.4	-0.1	-0.2	0.0	0.0	0.0	-0.1
CRMS 0163	0.1	0.2	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1
CRMS 0162	0.1	0.3	0.2	0.2	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.1

Figure WQ TEMP 24 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.3	19.1	23.1	27.0	27.5	27.9	27.1	22.0	13.5	14.6
CRMS0276 - Just east of Wilkinson Canal	11.7	15.2	16.4	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	10.0	13.5	14.9	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.7	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.4	23.6	27.4	28.5	28.9	27.7	22.7	15.1	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.3	24.2	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.6	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.5	15.9	16.8	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.8	18.1
CRMS 3985	10.0	13.5	16.1	20.1	24.2	27.7	29.1	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.7	13.5	12.9	17.3	20.7	23.9	24.2	25.1	27.0	22.1	13.8	12.6
CRMS 0224	9.8	14.5	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.9	11.9	12.8	17.0	20.6	24.9	25.8	26.4	25.7	21.2	14.8	13.3
CRMS 0162	8.5	11.3	11.9	16.7	21.1	25.9	27.4	27.2	26.2	21.1	14.8	11.4

V3PR6 HYST - cy 0 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.8	10.2	14.6	20.7	26.2	28.9	28.2	26.9	20.6	14.6	9.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.3	16.0	20.0	24.0	28.0	29.0	29.5	28.1	23.7	16.7	16.1
Barataria Waterway at Lafitte (USACE82875)	10.1	13.6	15.1	19.6	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	11.2	10.6	15.1	21.0	26.3	28.8	28.0	26.8	21.4	13.4	9.5
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	12.4	16.6	22.0	26.7	28.5	28.8	27.5	22.6	15.0	11.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	14.1	11.8	16.2	21.7	26.5	28.5	29.0	27.8	23.1	15.7	10.6
USGS 07380335 - Little Lake Near Cutoff	11.3	15.0	12.5	17.0	22.2	26.9	28.8	29.7	28.3	23.9	16.4	11.5
USGS073802516 Barataria Pass at Grand Isle	10.9	15.0	15.9	20.1	24.3	28.0	29.0	29.5	28.2	23.6	16.1	15.4
HWQ14 - Lake Washington	10.5	14.5	16.2	20.2	24.4	28.1	29.3	29.6	28.3	23.7	15.8	16.0
HWQ16 - Bayou Grand Liard	14.4	15.9	15.6	19.5	23.9	28.0	29.4	30.1	28.8	24.8	18.7	15.7
CRMS 3985	10.0	13.5	13.3	18.1	22.7	26.8	28.3	29.3	28.0	23.3	15.4	12.8
CRMS 0258	8.7	13.4	12.9	17.7	22.3	26.4	27.4	25.7	27.0	22.0	13.8	12.1
CRMS 0224	9.7	14.4	13.8	18.0	22.4	26.8	28.2	28.9	27.5	22.9	15.0	12.7
CRMS 0163	8.9	11.9	12.9	17.1	20.6	24.8	25.8	26.4	25.7	21.2	14.9	13.6
CRMS 0162	8.5	11.4	12.1	17.0	21.2	25.8	27.3	27.2	26.2	21.1	14.7	11.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-4.4	-4.1	-4.4	-2.4	-0.9	1.4	0.3	-0.2	-1.4	1.1	-5.5
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	-0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-1.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.7	-1.9	-3.9	-3.9	-1.8	-0.4	1.4	0.1	0.0	-0.3	0.1	-5.4
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-0.1	-3.1	-2.8	-1.6	-0.7	-0.1	-0.1	-0.1	-0.1	-0.1	-4.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.2	-0.4	-4.7	-4.1	-2.5	-1.1	-0.1	-0.2	-0.1	-0.2	-0.2	-6.1
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-4.5	-3.7	-2.6	-1.3	-0.5	-0.1	0.0	0.0	-0.1	-5.9
USGS073802516 Barataria Pass at Grand Isle	0.0	-0.1	-1.1	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-1.7
HWQ14 - Lake Washington	0.0	0.0	-0.6	-0.5	-0.4	-0.2	0.0	0.0	0.0	0.0	0.0	-0.8
HWQ16 - Bayou Grand Liard	-0.1	0.0	-1.2	-0.7	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	-2.4
CRMS 3985	0.0	0.0	-2.8	-2.0	-1.5	-0.9	-0.8	-0.1	-0.1	0.0	0.0	-3.2
CRMS 0258	-0.1	-0.1	0.0	0.5	1.5	2.5	3.2	0.5	0.0	0.0	0.0	-0.5
CRMS 0224	-0.1	-0.1	-2.3	-2.1	-1.4	-0.7	-0.1	0.0	0.0	0.0	-0.1	-3.8
CRMS 0163	0.0	0.0	0.0	0.1	0.1	-0.2	0.0	0.0	0.0	0.0	0.1	0.3
CRMS 0162	0.0	0.0	0.2	0.3	0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.3

Figure WQ TEMP 25 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.2	13.0	14.2	19.0	23.1	26.9	27.7	28.2	27.1	22.0	13.4	15.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.1	16.5	20.2	24.1	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.7	13.2	15.2	19.6	23.7	27.9	28.8	29.2	27.8	23.0	15.4	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	18.9	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.5	19.4	23.6	27.5	28.7	29.1	27.6	22.7	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.9	20.7	24.6	28.0	29.0	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.2	15.8	17.0	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.7	18.6
CRMS 3985	10.0	13.5	16.2	20.1	24.2	27.9	29.2	29.5	28.1	23.2	15.4	16.0
CRMS 0258	8.2	12.1	12.6	17.1	20.6	23.7	27.0	28.2	27.0	21.7	13.7	15.3
CRMS 0224	9.8	14.4	16.1	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.8	11.7	12.9	17.2	20.5	24.7	25.4	26.0	25.4	21.1	14.7	14.3
CRMS 0162	8.2	10.8	12.3	17.0	21.2	25.6	26.8	26.9	26.2	20.8	14.7	13.0

V3PR7 HYST - cy 0 - 1970 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	7.6	10.2	14.7	20.7	26.1	28.5	28.3	27.0	20.4	14.6	11.2
CRMS0276 - Just east of Wilkinson Canal	10.9	15.2	16.4	20.2	24.1	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.8	13.3	15.3	19.7	23.8	27.9	28.8	29.2	27.8	23.0	15.4	16.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.9	9.2	10.8	15.4	21.2	26.4	27.7	28.0	26.9	21.5	13.4	13.5
USGS7380251 Barataria Bay North of Grand Isle	8.8	11.8	12.7	16.9	22.1	26.8	28.7	28.9	27.6	22.6	14.9	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.7	11.3	11.9	16.6	21.7	26.7	28.5	29.1	27.8	23.1	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	9.7	12.6	12.9	17.7	22.4	27.3	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.5	14.7	16.1	20.2	24.3	28.0	28.9	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.4	14.4	16.5	20.4	24.5	28.2	29.3	29.6	28.3	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	13.3	15.5	16.3	19.9	24.1	28.1	29.5	30.1	28.8	24.7	18.6	18.5
CRMS 3985	9.8	13.1	14.6	18.6	22.8	27.2	29.1	29.4	28.1	23.2	15.4	16.1
CRMS 0258	8.0	11.9	13.0	17.9	22.3	25.9	27.3	28.2	27.0	21.7	13.7	15.2
CRMS 0224	8.9	13.2	14.5	18.9	22.8	27.2	28.3	28.9	27.5	22.9	15.0	16.4
CRMS 0163	8.8	11.7	13.0	17.2	20.6	24.7	25.5	26.1	25.6	21.1	14.6	14.2
CRMS 0162	8.2	10.9	12.4	17.2	21.2	25.6	26.8	26.9	26.2	20.8	14.7	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.4	-4.0	-4.3	-2.4	-0.8	0.8	0.1	-0.1	-1.6	1.1	-3.9
CRMS0276 - Just east of Wilkinson Canal	-0.7	0.1	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.2	-4.0	-3.7	-3.5	-1.6	-0.2	0.3	0.1	0.1	-0.2	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-1.6	-2.8	-2.4	-1.5	-0.6	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.8	-3.2	-4.6	-3.7	-2.4	-0.9	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.7	-2.6	-4.2	-3.1	-2.4	-0.9	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.5	-0.4	-0.8	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.1	-0.3	-0.3	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-1.0	-0.3	-0.7	-0.4	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.2	-0.4	-1.6	-1.6	-1.4	-0.7	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0258	-0.3	-0.2	0.4	0.8	1.7	2.2	0.3	0.0	0.0	0.0	0.0	-0.1
CRMS 0224	-0.9	-1.3	-1.6	-1.1	-1.0	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.1	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.0	-0.1	-0.2
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 26 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.1	12.9	14.4	19.1	23.1	27.0	27.6	28.2	27.1	22.0	13.5	14.5
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.2	20.0	24.1	28.0	28.9	29.4	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	12.3	14.4	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.6	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	15.4	19.4	23.6	27.5	28.7	29.1	27.7	22.7	15.1	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	17.1	20.8	24.8	28.2	29.3	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.3	15.0	16.3	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.9	29.2	29.4	28.1	23.3	15.4	16.1
CRMS 0258	8.0	11.6	12.8	17.3	20.8	24.9	26.5	28.2	27.0	22.0	13.9	13.0
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.7	10.8	12.5	17.0	20.6	24.8	25.5	26.1	25.5	21.1	14.6	13.7
CRMS 0162	7.8	8.7	11.2	16.4	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.2

V3PR7 HYST - cy 0 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.8	10.1	14.6	20.7	26.4	28.4	28.3	26.9	20.7	14.6	9.9
CRMS0276 - Just east of Wilkinson Canal	11.3	13.6	15.5	20.0	24.0	28.0	28.9	29.5	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	9.9	12.6	14.6	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.3	10.5	15.2	21.1	26.5	27.6	28.0	26.8	21.5	13.4	11.2
USGS7380251 Barataria Bay North of Grand Isle	8.4	9.0	11.6	16.5	22.0	27.4	28.6	28.9	27.6	22.7	15.0	13.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.2	8.1	11.1	16.0	21.7	27.3	28.5	29.1	27.8	23.1	15.8	13.1
USGS 07380335 - Little Lake Near Cutoff	9.2	8.9	11.6	16.8	22.2	28.0	29.2	29.8	28.3	23.8	16.5	14.3
USGS073802516 Barataria Pass at Grand Isle	10.3	13.0	15.3	20.0	24.3	28.0	29.0	29.5	28.2	23.6	16.1	16.4
HWQ14 - Lake Washington	10.4	13.5	15.6	20.0	24.4	28.3	29.3	29.6	28.3	23.7	15.7	16.6
HWQ16 - Bayou Grand Liard	13.5	12.8	14.5	19.4	23.9	28.1	29.5	30.1	28.8	24.8	18.7	17.5
CRMS 3985	9.6	10.2	12.3	17.8	22.7	27.7	29.2	29.4	28.0	23.3	15.4	15.1
CRMS 0258	7.9	10.1	12.4	17.7	22.3	25.4	26.6	28.3	27.0	22.0	13.9	12.7
CRMS 0224	8.9	9.9	12.4	17.6	22.5	27.4	28.3	28.9	27.5	22.9	15.0	14.7
CRMS 0163	8.8	11.0	12.5	17.1	20.6	24.7	25.7	26.2	25.6	21.1	14.6	14.0
CRMS 0162	7.9	9.2	11.6	16.7	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.6	-6.1	-4.3	-4.5	-2.4	-0.6	0.8	0.1	-0.2	-1.3	1.1	-4.7
CRMS0276 - Just east of Wilkinson Canal	-0.3	-0.9	-0.7	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-5.8	-4.1	-3.8	-1.7	-0.1	0.3	0.1	0.0	-0.2	0.1	-3.6
USGS7380251 Barataria Bay North of Grand Isle	-1.1	-4.3	-3.9	-2.9	-1.6	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-2.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.3	-6.3	-5.5	-4.3	-2.5	-0.3	-0.1	-0.1	-0.1	-0.2	-0.1	-3.5
USGS 07380335 - Little Lake Near Cutoff	-2.1	-6.2	-5.5	-3.9	-2.5	-0.3	-0.1	0.0	0.0	-0.1	-0.1	-3.1
USGS073802516 Barataria Pass at Grand Isle	-0.6	-2.1	-1.7	-0.8	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.7
HWQ14 - Lake Washington	-0.1	-1.1	-1.2	-0.7	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.8	-2.2	-1.8	-0.8	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.9
CRMS 3985	-0.4	-3.2	-4.0	-2.3	-1.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.9
CRMS 0258	-0.1	-1.5	-0.5	0.4	1.5	0.5	0.2	0.0	0.0	0.0	0.0	-0.3
CRMS 0224	-0.8	-4.5	-3.7	-2.4	-1.4	-0.1	0.0	0.0	0.0	0.0	0.0	-1.7
CRMS 0163	0.0	0.2	0.0	0.1	-0.1	0.0	0.1	0.1	0.0	0.1	-0.1	0.3
CRMS 0162	0.1	0.4	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 27 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	12.9	14.6	19.0	22.9	27.0	27.7	28.2	27.1	22.0	13.2	14.7
CRMS0276 - Just east of Wilkinson Canal	11.7	14.9	16.6	20.3	24.1	27.9	29.0	29.5	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.0	15.5	19.8	23.8	27.9	28.7	29.1	27.7	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.4	18.9	22.7	26.5	27.3	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	15.7	19.4	23.7	27.6	28.8	29.1	27.7	22.7	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.0	28.9	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.6	15.4	17.2	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.6	18.4
CRMS 3985	10.0	13.5	16.2	20.2	24.2	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.9	14.3	17.7	20.8	26.9	27.7	28.2	27.0	22.0	12.6	13.3
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	9.0	11.5	13.0	17.3	20.5	24.5	25.3	26.1	25.4	21.2	14.7	13.9
CRMS 0162	8.5	10.0	12.4	17.3	21.1	25.2	26.7	26.9	26.2	21.0	14.7	12.6

V3PR7 HYST - cy 0 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	7.6	11.0	16.0	21.0	26.5	28.5	28.4	27.0	20.5	14.5	11.0
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.7	20.3	24.2	28.0	29.0	29.5	28.1	23.7	16.6	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	15.5	19.8	23.8	27.9	28.7	29.1	27.7	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	9.1	12.6	17.8	21.8	26.6	27.6	28.0	26.9	21.5	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	9.5	11.0	14.6	18.9	23.0	27.5	28.7	28.9	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.6	14.9	19.5	22.8	27.5	28.5	29.1	27.8	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	11.2	11.6	15.9	20.2	23.7	28.2	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.9	14.1	16.7	20.6	24.5	28.0	28.9	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.5	14.2	16.7	20.6	24.7	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.4	14.5	17.0	20.3	24.5	28.1	29.5	30.1	28.8	24.7	18.5	18.4
CRMS 3985	10.0	12.6	15.9	19.9	23.8	28.0	29.2	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.6	11.3	14.5	17.9	22.0	27.0	27.7	28.2	27.0	22.0	12.6	13.4
CRMS 0224	9.7	12.6	15.7	19.8	23.6	27.5	28.3	28.9	27.6	22.9	15.0	16.3
CRMS 0163	9.0	11.6	13.0	17.2	20.4	24.5	25.3	26.0	25.5	21.0	14.6	14.0
CRMS 0162	8.5	10.1	12.5	17.3	21.1	25.3	26.7	26.8	26.1	20.9	14.6	12.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-5.3	-3.6	-3.1	-1.9	-0.5	0.8	0.1	-0.1	-1.5	1.2	-3.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.5	-4.0	-1.8	-1.1	-0.9	0.1	0.3	0.1	0.1	-0.2	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-2.3	-1.2	-0.5	-0.7	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-3.9	-1.5	-0.8	-1.3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.3	-3.6	-1.2	-0.6	-1.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-1.0	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-1.0	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	0.0	-0.8	-0.3	-0.2	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.6	0.2	0.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.1	-1.8	-0.4	-0.2	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	0.1	-0.1	-0.1	0.1
CRMS 0162	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0

Figure WQ TEMP 28 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.0	12.9	14.3	19.1	23.0	27.0	27.5	27.9	27.1	22.0	13.5	14.9
CRMS0276 - Just east of Wilkinson Canal	11.5	14.3	16.3	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.8	19.5	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.3	15.5	19.4	23.6	27.5	28.6	28.9	27.5	22.7	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.3	15.1	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.9	14.7	16.6	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.3	15.4	16.1
CRMS 0258	7.8	11.6	12.7	17.2	20.6	23.7	24.3	24.4	26.3	22.1	13.9	14.5
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.1	16.4
CRMS 0163	8.5	10.4	12.6	17.1	20.6	24.8	25.7	26.3	25.6	21.1	14.7	14.3
CRMS 0162	7.4	8.3	11.8	16.8	21.2	25.7	27.3	27.2	26.2	20.9	14.7	12.9

V3PR7 HYST - cy 0 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.2	14.6	20.7	26.2	28.9	28.2	26.8	20.5	14.7	11.1
CRMS0276 - Just east of Wilkinson Canal	10.4	13.3	16.0	20.0	24.2	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.7	12.3	15.0	19.6	23.8	27.9	28.8	29.2	27.8	23.1	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.2	10.6	15.4	21.2	26.4	28.8	28.1	26.8	21.5	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	7.7	8.7	12.0	16.7	22.3	26.8	28.5	28.6	27.4	22.6	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.0	8.0	11.3	16.4	22.0	26.6	28.5	28.6	27.8	23.1	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	7.7	8.6	12.1	17.3	22.7	27.0	28.7	29.2	28.3	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	9.8	12.7	15.7	20.1	24.4	28.0	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.2	13.2	16.1	20.2	24.5	28.2	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	11.7	12.3	15.3	19.6	24.3	28.1	29.4	30.0	28.8	24.7	18.7	18.5
CRMS 3985	8.7	9.9	13.2	18.2	23.1	26.9	28.3	28.9	28.0	23.2	15.4	16.1
CRMS 0258	7.5	9.9	12.7	17.8	22.3	26.2	27.4	26.4	26.3	22.1	13.9	14.5
CRMS 0224	8.1	9.3	13.6	18.3	23.1	27.1	28.2	28.7	27.5	22.9	15.0	16.3
CRMS 0163	8.7	10.6	12.7	17.1	20.5	24.8	25.7	26.3	25.6	21.1	14.8	14.4
CRMS 0162	7.6	8.7	12.0	17.0	21.2	25.6	27.1	27.2	26.2	20.9	14.7	12.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-6.2	-4.1	-4.4	-2.3	-0.8	1.4	0.3	-0.3	-1.5	1.2	-3.8
CRMS0276 - Just east of Wilkinson Canal	-1.2	-0.9	-0.4	-0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.8	-5.9	-3.9	-3.5	-1.5	-0.2	1.3	0.2	0.0	-0.2	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-1.8	-4.5	-3.5	-2.6	-1.3	-0.7	-0.1	-0.3	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.5	-6.5	-5.2	-3.9	-2.2	-1.0	-0.1	-0.5	-0.1	-0.2	-0.1	-0.4
USGS 07380335 - Little Lake Near Cutoff	-3.6	-6.5	-5.0	-3.5	-2.1	-1.2	-0.4	-0.6	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.2	-2.4	-1.3	-0.6	-0.2	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.3	-1.4	-0.7	-0.5	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-2.3	-2.4	-1.3	-0.7	-0.2	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0
CRMS 3985	-1.3	-3.6	-3.1	-2.0	-1.1	-1.0	-0.9	-0.5	-0.1	0.0	0.0	0.0
CRMS 0258	-0.3	-1.8	-0.1	0.6	1.7	2.5	3.1	2.0	0.0	0.0	0.0	0.0
CRMS 0224	-1.7	-5.0	-2.6	-1.7	-0.8	-0.4	-0.1	-0.2	0.0	0.0	0.0	-0.1
CRMS 0163	0.1	0.2	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
CRMS 0162	0.1	0.3	0.2	0.2	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.0

Figure WQ TEMP 29 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.3	19.1	23.1	27.0	27.5	27.9	27.1	22.0	13.5	14.6
CRMS0276 - Just east of Wilkinson Canal	11.7	15.2	16.4	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	10.0	13.5	14.9	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.7	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.4	23.6	27.4	28.5	28.9	27.7	22.7	15.1	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.3	24.2	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.6	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.5	15.9	16.8	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.8	18.1
CRMS 3985	10.0	13.5	16.1	20.1	24.2	27.7	29.1	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.7	13.5	12.9	17.3	20.7	23.9	24.2	25.1	27.0	22.1	13.8	12.6
CRMS 0224	9.8	14.5	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.9	11.9	12.8	17.0	20.6	24.9	25.8	26.4	25.7	21.2	14.8	13.3
CRMS 0162	8.5	11.3	11.9	16.7	21.1	25.9	27.4	27.2	26.2	21.1	14.8	11.4

V3PR7 HYST - cy 0 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.8	10.2	14.6	20.7	26.2	28.9	28.2	26.9	20.6	14.6	9.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.3	16.0	20.0	24.0	28.0	29.0	29.5	28.1	23.7	16.7	16.1
Barataria Waterway at Lafitte (USACE82875)	10.1	13.6	15.1	19.6	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.4	10.8	15.2	21.1	26.4	28.8	28.0	26.8	21.5	13.4	9.6
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	12.4	16.6	22.0	26.7	28.5	28.8	27.5	22.7	14.9	11.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	14.1	11.7	16.1	21.6	26.5	28.5	28.9	27.8	23.1	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	11.3	15.0	12.5	17.0	22.2	26.9	28.8	29.7	28.3	23.9	16.4	11.5
USGS073802516 Barataria Pass at Grand Isle	10.9	15.0	15.9	20.1	24.3	28.0	29.0	29.5	28.2	23.6	16.1	15.4
HWQ14 - Lake Washington	10.5	14.5	16.2	20.1	24.4	28.1	29.3	29.6	28.3	23.7	15.8	16.0
HWQ16 - Bayou Grand Liard	14.4	15.9	15.6	19.5	23.9	28.0	29.4	30.1	28.8	24.8	18.7	15.7
CRMS 3985	10.0	13.5	13.3	18.0	22.7	26.8	28.3	29.3	28.0	23.2	15.4	12.8
CRMS 0258	8.7	13.4	12.9	17.8	22.3	26.4	27.4	25.7	27.0	22.0	13.7	12.1
CRMS 0224	9.7	14.4	14.0	18.0	22.5	26.8	28.2	28.9	27.5	22.9	15.0	12.7
CRMS 0163	8.9	12.0	12.8	17.0	20.6	24.8	25.7	26.4	25.6	21.3	14.8	13.4
CRMS 0162	8.5	11.4	12.2	17.0	21.2	25.8	27.2	27.2	26.2	21.0	14.7	11.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-4.4	-4.1	-4.4	-2.4	-0.9	1.4	0.3	-0.2	-1.4	1.1	-5.5
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	-0.5	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-1.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-1.7	-3.8	-3.7	-1.7	-0.3	1.3	0.1	0.0	-0.2	0.1	-5.2
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-0.1	-3.2	-2.8	-1.6	-0.7	0.0	-0.1	-0.1	-0.1	-0.2	-4.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.2	-0.4	-4.7	-4.2	-2.5	-1.1	-0.1	-0.2	-0.1	-0.2	-0.2	-6.1
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-4.6	-3.7	-2.6	-1.3	-0.5	-0.1	0.0	0.0	-0.1	-5.9
USGS073802516 Barataria Pass at Grand Isle	0.0	-0.1	-1.1	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-1.7
HWQ14 - Lake Washington	0.0	0.0	-0.6	-0.6	-0.4	-0.2	0.0	0.0	0.0	0.0	0.0	-0.8
HWQ16 - Bayou Grand Liard	-0.1	0.0	-1.2	-0.7	-0.4	-0.1	-0.1	0.0	0.0	0.0	-0.1	-2.3
CRMS 3985	0.0	0.0	-2.8	-2.1	-1.5	-1.0	-0.8	-0.1	0.0	0.0	0.0	-3.3
CRMS 0258	-0.1	-0.1	0.1	0.5	1.6	2.5	3.1	0.5	0.0	0.0	0.0	-0.4
CRMS 0224	-0.1	-0.1	-2.2	-2.0	-1.4	-0.7	-0.1	0.0	0.0	0.0	-0.1	-3.7
CRMS 0163	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.1	0.0	0.1
CRMS 0162	0.0	0.0	0.3	0.2	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.3

Figure WQ TEMP 30 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.2	13.0	14.2	19.0	23.1	26.9	27.7	28.2	27.1	22.0	13.4	15.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.1	16.5	20.2	24.1	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.7	13.2	15.2	19.6	23.7	27.9	28.8	29.2	27.8	23.0	15.4	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	18.9	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.5	19.4	23.6	27.5	28.7	29.1	27.6	22.7	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.9	20.7	24.6	28.0	29.0	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.2	15.8	17.0	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.7	18.6
CRMS 3985	10.0	13.5	16.2	20.1	24.2	27.9	29.2	29.5	28.1	23.2	15.4	16.0
CRMS 0258	8.2	12.1	12.6	17.1	20.6	23.7	27.0	28.2	27.0	21.7	13.7	15.3
CRMS 0224	9.8	14.4	16.1	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.8	11.7	12.9	17.2	20.5	24.7	25.4	26.0	25.4	21.1	14.7	14.3
CRMS 0162	8.2	10.8	12.3	17.0	21.2	25.6	26.8	26.9	26.2	20.8	14.7	13.0

V3PR8 HYST - cy 0 - 1970 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	7.6	10.2	14.7	20.7	26.1	28.5	28.3	27.0	20.4	14.6	11.2
CRMS0276 - Just east of Wilkinson Canal	10.9	15.2	16.4	20.2	24.1	28.1	29.0	29.5	28.1	23.7	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	10.6	14.7	16.4	20.3	24.0	28.0	28.8	29.2	27.7	23.1	15.5	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	6.9	9.1	10.8	15.4	21.2	26.4	27.7	28.0	26.9	21.5	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.8	11.8	12.7	16.9	22.1	26.8	28.7	28.9	27.6	22.6	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.6	11.3	11.8	16.5	21.7	26.7	28.5	29.1	27.8	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	9.7	12.6	12.9	17.7	22.4	27.3	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.5	14.7	16.1	20.2	24.3	28.0	28.9	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.4	14.3	16.4	20.2	24.3	28.2	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.3	15.5	16.3	19.9	24.1	28.1	29.5	30.1	28.8	24.7	18.7	18.5
CRMS 3985	9.8	13.2	14.6	18.6	22.8	27.2	29.1	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.0	11.9	13.0	17.9	22.3	25.9	27.3	28.2	27.0	21.6	13.7	15.2
CRMS 0224	8.9	13.2	14.5	18.9	22.8	27.2	28.3	28.9	27.6	22.9	15.0	16.3
CRMS 0163	8.5	11.6	12.9	17.1	20.6	24.8	25.4	26.0	25.5	20.9	14.7	14.4
CRMS 0162	8.2	10.9	12.4	17.2	21.2	25.5	26.8	27.0	26.2	20.8	14.7	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.4	-4.0	-4.3	-2.4	-0.8	0.8	0.1	-0.1	-1.6	1.1	-3.9
CRMS0276 - Just east of Wilkinson Canal	-0.7	0.1	-0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.9	1.5	1.2	0.7	0.3	0.1	0.0	0.0	0.0	0.1	0.2	0.8
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.2	-4.0	-3.7	-3.5	-1.6	-0.2	0.3	0.1	0.0	-0.3	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-1.5	-2.8	-2.5	-1.5	-0.6	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.9	-3.2	-4.6	-3.7	-2.4	-0.9	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.7	-2.6	-4.2	-3.1	-2.4	-0.9	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.5	-0.4	-0.8	-0.5	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.2	-0.4	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-1.0	-0.3	-0.7	-0.4	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	-0.2	-0.3	-1.6	-1.6	-1.4	-0.7	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0258	-0.3	-0.2	0.4	0.8	1.7	2.3	0.3	0.0	0.0	0.0	0.0	-0.1
CRMS 0224	-0.9	-1.3	-1.7	-1.2	-1.1	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	-0.2	-0.1	0.0	-0.1	0.1	0.1	0.0	0.0	0.1	-0.2	-0.1	0.1
CRMS 0162	0.1	0.2	0.1	0.2	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	0.0

Figure WQ TEMP 31 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.1	12.9	14.4	19.1	23.1	27.0	27.6	28.2	27.1	22.0	13.5	14.5
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.2	20.0	24.1	28.0	28.9	29.4	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	12.3	14.4	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.6	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	15.4	19.4	23.6	27.5	28.7	29.1	27.7	22.7	15.1	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	17.1	20.8	24.8	28.2	29.3	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.3	15.0	16.3	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.9	29.2	29.4	28.1	23.3	15.4	16.1
CRMS 0258	8.0	11.6	12.8	17.3	20.8	24.9	26.5	28.2	27.0	22.0	13.9	13.0
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.7	10.8	12.5	17.0	20.6	24.8	25.5	26.1	25.5	21.1	14.6	13.7
CRMS 0162	7.8	8.7	11.2	16.4	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.2

V3PR8 HYST - cy 0 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.8	10.1	14.6	20.7	26.4	28.4	28.3	26.9	20.7	14.6	9.9
CRMS0276 - Just east of Wilkinson Canal	11.3	13.6	15.4	20.0	24.0	28.0	28.9	29.5	28.1	23.7	16.8	17.0
Barataria Waterway at Lafitte (USACE82875)	10.6	14.7	16.4	20.3	24.0	28.0	28.8	29.2	27.7	23.1	15.5	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.3	10.5	15.2	21.1	26.5	27.6	28.0	26.8	21.5	13.4	11.2
USGS7380251 Barataria Bay North of Grand Isle	8.4	9.0	11.6	16.6	22.1	27.3	28.6	28.9	27.6	22.7	15.0	13.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.2	8.1	11.1	16.0	21.7	27.3	28.5	29.1	27.8	23.1	15.7	13.1
USGS 07380335 - Little Lake Near Cutoff	9.2	8.9	11.6	16.8	22.2	28.0	29.2	29.8	28.4	23.9	16.5	14.3
USGS073802516 Barataria Pass at Grand Isle	10.3	13.0	15.3	20.0	24.3	28.0	29.0	29.5	28.2	23.6	16.1	16.4
HWQ14 - Lake Washington	10.4	13.2	15.3	19.8	24.2	28.2	29.2	29.6	28.3	23.7	15.7	16.5
HWQ16 - Bayou Grand Liard	13.5	12.8	14.5	19.4	24.0	28.1	29.5	30.1	28.8	24.8	18.7	17.5
CRMS 3985	9.6	10.3	12.4	17.9	22.7	27.7	29.2	29.4	28.1	23.2	15.4	15.1
CRMS 0258	7.9	10.1	12.4	17.6	22.3	25.5	26.7	28.3	27.0	22.0	13.9	12.7
CRMS 0224	8.9	9.8	12.4	17.5	22.5	27.4	28.3	28.9	27.5	22.9	15.0	14.6
CRMS 0163	8.5	10.7	12.4	16.9	20.5	24.7	25.6	26.3	25.6	21.2	14.7	13.8
CRMS 0162	8.0	9.3	11.6	16.8	21.2	25.6	27.0	27.0	26.2	21.0	14.7	12.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.6	-6.1	-4.3	-4.5	-2.4	-0.6	0.8	0.1	-0.2	-1.3	1.1	-4.7
CRMS0276 - Just east of Wilkinson Canal	-0.3	-0.9	-0.8	-0.1	-0.1	0.0	0.0	0.1	0.0	0.0	0.1	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.8	2.4	2.1	0.9	0.4	0.1	0.0	0.0	0.0	0.1	0.2	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.4	-5.8	-4.1	-3.8	-1.7	-0.1	0.3	0.1	0.0	-0.2	0.1	-3.6
USGS7380251 Barataria Bay North of Grand Isle	-1.1	-4.3	-3.8	-2.8	-1.5	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-2.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.3	-6.3	-5.5	-4.3	-2.5	-0.3	-0.2	-0.1	-0.1	-0.2	-0.2	-3.6
USGS 07380335 - Little Lake Near Cutoff	-2.2	-6.2	-5.5	-3.9	-2.5	-0.3	0.0	0.0	0.0	0.0	-0.1	-3.1
USGS073802516 Barataria Pass at Grand Isle	-0.7	-2.1	-1.7	-0.8	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.7
HWQ14 - Lake Washington	-0.1	-1.4	-1.5	-0.9	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ16 - Bayou Grand Liard	-0.8	-2.2	-1.8	-0.8	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.9
CRMS 3985	-0.4	-3.2	-3.9	-2.3	-1.5	-0.1	0.0	0.0	0.0	0.0	0.1	-0.9
CRMS 0258	-0.1	-1.5	-0.5	0.4	1.5	0.6	0.2	0.0	0.0	0.0	0.0	-0.3
CRMS 0224	-0.8	-4.5	-3.8	-2.5	-1.4	-0.1	0.0	0.0	0.0	0.0	0.0	-1.8
CRMS 0163	-0.2	0.0	0.0	-0.1	-0.1	0.0	0.1	0.2	0.1	0.1	0.0	0.1
CRMS 0162	0.1	0.5	0.4	0.3	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.2

Figure WQ TEMP 32 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	12.9	14.6	19.0	22.9	27.0	27.7	28.2	27.1	22.0	13.2	14.7
CRMS0276 - Just east of Wilkinson Canal	11.7	14.9	16.6	20.3	24.1	27.9	29.0	29.5	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.0	15.5	19.8	23.8	27.9	28.7	29.1	27.7	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.4	18.9	22.7	26.5	27.3	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	15.7	19.4	23.7	27.6	28.8	29.1	27.7	22.7	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.0	28.9	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.6	15.4	17.2	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.6	18.4
CRMS 3985	10.0	13.5	16.2	20.2	24.2	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.9	14.3	17.7	20.8	26.9	27.7	28.2	27.0	22.0	12.6	13.3
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	9.0	11.5	13.0	17.3	20.5	24.5	25.3	26.1	25.4	21.2	14.7	13.9
CRMS 0162	8.5	10.0	12.4	17.3	21.1	25.2	26.7	26.9	26.2	21.0	14.7	12.6

V3PR8 HYST - cy 0 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.1	7.6	11.0	16.0	21.0	26.5	28.5	28.4	27.0	20.5	14.5	11.0
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.7	20.3	24.2	28.0	28.9	29.5	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.6	14.7	16.4	20.3	23.9	27.9	28.8	29.2	27.7	23.1	15.5	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	9.1	12.6	17.8	21.8	26.6	27.6	28.0	26.9	21.5	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	9.5	11.0	14.6	18.9	23.0	27.5	28.7	28.9	27.6	22.7	14.9	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.5	14.9	19.5	22.8	27.5	28.5	29.1	27.7	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	11.2	11.6	15.9	20.2	23.6	28.2	29.2	29.8	28.3	23.9	16.4	17.2
USGS073802516 Barataria Pass at Grand Isle	10.9	14.0	16.7	20.6	24.5	28.0	28.9	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.4	14.1	16.7	20.5	24.6	28.2	29.2	29.6	28.3	23.6	15.7	16.8
HWQ16 - Bayou Grand Liard	14.4	14.5	17.0	20.3	24.5	28.1	29.5	30.1	28.8	24.7	18.6	18.4
CRMS 3985	10.0	12.6	15.9	19.9	23.8	28.0	29.2	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.6	11.3	14.5	17.9	22.0	27.0	27.7	28.2	27.0	22.0	12.6	13.4
CRMS 0224	9.7	12.6	15.7	19.8	23.6	27.5	28.3	28.9	27.6	22.9	15.0	16.3
CRMS 0163	8.8	11.4	13.0	17.1	20.4	24.6	25.3	26.0	25.5	21.1	14.6	13.9
CRMS 0162	8.5	10.2	12.5	17.3	21.0	25.3	26.7	26.8	26.1	20.9	14.7	12.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-5.3	-3.6	-3.1	-1.9	-0.5	0.8	0.1	-0.1	-1.5	1.2	-3.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.5	1.7	0.9	0.5	0.1	0.0	0.0	0.0	0.0	0.1	0.2	1.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.5	-4.0	-1.8	-1.1	-0.9	0.1	0.3	0.1	0.1	-0.2	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-0.1	-2.3	-1.1	-0.5	-0.6	-0.1	-0.1	-0.2	-0.1	0.0	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-4.0	-1.6	-0.8	-1.3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.3	-3.6	-1.2	-0.6	-1.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-1.1	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.4	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-1.0	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	-0.8	-0.3	-0.2	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.6	0.2	0.2	1.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.1	-1.8	-0.4	-0.2	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0163	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1
CRMS 0162	0.1	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0

Figure WQ TEMP 33 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.0	12.9	14.3	19.1	23.0	27.0	27.5	27.9	27.1	22.0	13.5	14.9
CRMS0276 - Just east of Wilkinson Canal	11.5	14.3	16.3	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.8	19.5	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.3	15.5	19.4	23.6	27.5	28.6	28.9	27.5	22.7	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.3	15.1	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.9	14.7	16.6	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.3	15.4	16.1
CRMS 0258	7.8	11.6	12.7	17.2	20.6	23.7	24.3	24.4	26.3	22.1	13.9	14.5
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.1	16.4
CRMS 0163	8.5	10.4	12.6	17.1	20.6	24.8	25.7	26.3	25.6	21.1	14.7	14.3
CRMS 0162	7.4	8.3	11.8	16.8	21.2	25.7	27.3	27.2	26.2	20.9	14.7	12.9

V3PR8 HYST - cy 0 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.2	14.6	20.7	26.2	28.9	28.2	26.8	20.5	14.7	11.1
CRMS0276 - Just east of Wilkinson Canal	10.4	13.3	15.9	20.1	24.1	28.0	29.0	29.5	28.1	23.7	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	10.6	14.6	16.4	20.3	24.0	28.0	28.8	29.2	27.8	23.1	15.5	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.2	10.6	15.4	21.2	26.4	28.8	28.1	26.8	21.5	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	7.7	8.7	12.0	16.8	22.3	26.8	28.4	28.6	27.5	22.6	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.0	8.0	11.3	16.4	21.9	26.6	28.5	28.6	27.8	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	7.7	8.7	12.1	17.3	22.7	27.0	28.8	29.2	28.3	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	9.8	12.7	15.7	20.1	24.4	28.0	29.0	29.4	28.2	23.6	16.1	17.0
HWQ14 - Lake Washington	10.1	12.8	15.9	20.0	24.4	28.1	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	11.7	12.3	15.3	19.6	24.2	28.1	29.4	30.0	28.8	24.8	18.7	18.5
CRMS 3985	8.7	9.9	13.3	18.2	23.1	26.9	28.2	28.9	28.0	23.2	15.4	16.0
CRMS 0258	7.5	9.8	12.7	17.8	22.3	26.2	27.4	26.4	26.3	22.0	13.9	14.5
CRMS 0224	8.0	9.3	13.6	18.2	23.1	27.1	28.2	28.7	27.5	22.9	15.0	16.3
CRMS 0163	8.4	10.4	12.6	16.9	20.4	24.5	25.6	26.3	25.6	21.1	14.5	14.2
CRMS 0162	7.6	8.8	12.1	17.0	21.1	25.6	27.1	27.1	26.2	20.8	14.7	12.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-6.2	-4.1	-4.4	-2.3	-0.8	1.4	0.3	-0.3	-1.5	1.2	-3.8
CRMS0276 - Just east of Wilkinson Canal	-1.1	-1.0	-0.4	-0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	1.1	2.6	1.6	0.8	0.2	0.1	0.0	0.0	0.0	0.1	0.2	0.9
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.8	-5.9	-3.9	-3.5	-1.5	-0.2	1.3	0.2	0.0	-0.2	0.1	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-1.7	-4.5	-3.5	-2.6	-1.3	-0.7	-0.1	-0.3	-0.1	-0.1	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.5	-6.5	-5.2	-3.9	-2.2	-1.0	-0.1	-0.5	-0.1	-0.2	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-3.6	-6.5	-5.0	-3.5	-2.1	-1.1	-0.4	-0.6	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.2	-2.4	-1.3	-0.6	-0.2	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.3	-1.8	-0.9	-0.7	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-2.2	-2.4	-1.3	-0.7	-0.2	-0.1	-0.2	-0.1	0.0	0.0	-0.1	0.0
CRMS 3985	-1.3	-3.6	-3.1	-1.9	-1.1	-0.9	-0.9	-0.5	-0.1	0.0	0.0	0.0
CRMS 0258	-0.3	-1.8	-0.1	0.6	1.7	2.5	3.1	2.0	0.0	0.0	0.0	0.0
CRMS 0224	-1.7	-5.1	-2.6	-1.8	-0.8	-0.4	-0.1	-0.2	0.0	0.0	0.0	-0.1
CRMS 0163	-0.1	0.0	0.0	-0.2	-0.2	-0.3	-0.1	0.0	0.0	0.0	-0.2	-0.1
CRMS 0162	0.2	0.4	0.3	0.2	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.0

Figure WQ TEMP 34 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.3	19.1	23.1	27.0	27.5	27.9	27.1	22.0	13.5	14.6
CRMS0276 - Just east of Wilkinson Canal	11.7	15.2	16.4	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	10.0	13.5	14.9	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.7	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.4	23.6	27.4	28.5	28.9	27.7	22.7	15.1	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.3	24.2	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.6	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.5	15.9	16.8	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.8	18.1
CRMS 3985	10.0	13.5	16.1	20.1	24.2	27.7	29.1	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.7	13.5	12.9	17.3	20.7	23.9	24.2	25.1	27.0	22.1	13.8	12.6
CRMS 0224	9.8	14.5	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.9	11.9	12.8	17.0	20.6	24.9	25.8	26.4	25.7	21.2	14.8	13.3
CRMS 0162	8.5	11.3	11.9	16.7	21.1	25.9	27.4	27.2	26.2	21.1	14.8	11.4

V3PR8 HYST - cy 0 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.8	10.2	14.6	20.7	26.2	28.9	28.2	26.9	20.6	14.6	9.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.3	15.9	20.1	24.0	28.0	29.0	29.5	28.1	23.7	16.8	16.1
Barataria Waterway at Lafitte (USACE82875)	10.6	14.7	16.4	20.3	24.0	28.0	28.8	29.2	27.7	23.1	15.5	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.4	10.8	15.2	21.1	26.4	28.8	28.0	26.8	21.5	13.4	9.6
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	12.4	16.6	22.0	26.8	28.5	28.8	27.5	22.6	14.9	11.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	14.1	11.7	16.1	21.6	26.5	28.5	28.9	27.8	23.1	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	11.3	15.1	12.5	17.1	22.2	26.9	28.8	29.8	28.4	23.9	16.5	11.5
USGS073802516 Barataria Pass at Grand Isle	10.9	15.0	15.9	20.1	24.3	28.0	29.0	29.4	28.2	23.6	16.1	15.4
HWQ14 - Lake Washington	10.4	14.5	16.0	20.0	24.3	28.0	29.2	29.6	28.3	23.6	15.7	15.8
HWQ16 - Bayou Grand Liard	14.4	15.9	15.6	19.5	24.0	28.0	29.4	30.1	28.8	24.8	18.8	15.8
CRMS 3985	10.0	13.5	13.3	18.1	22.7	26.8	28.3	29.3	28.0	23.2	15.4	12.8
CRMS 0258	8.7	13.4	12.9	17.8	22.3	26.4	27.4	25.7	27.0	22.0	13.7	12.1
CRMS 0224	9.7	14.4	13.9	18.0	22.4	26.8	28.2	28.9	27.5	22.9	15.0	12.6
CRMS 0163	8.8	11.8	12.8	17.0	20.6	24.9	25.8	26.3	25.6	21.2	14.7	13.3
CRMS 0162	8.5	11.3	12.2	17.0	21.2	25.8	27.3	27.1	26.2	21.0	14.7	11.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-4.4	-4.1	-4.4	-2.4	-0.9	1.4	0.3	-0.3	-1.4	1.1	-5.5
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.0	-0.5	0.0	-0.1	0.0	0.1	0.1	0.0	0.0	0.1	-1.0
Barataria Waterway at Lafitte (USACE82875)	0.6	1.2	1.5	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.2	1.9
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-1.7	-3.8	-3.7	-1.7	-0.3	1.3	0.1	0.0	-0.2	0.1	-5.2
USGS7380251 Barataria Bay North of Grand Isle	0.0	-0.1	-3.2	-2.8	-1.5	-0.6	-0.1	-0.1	-0.1	-0.1	-0.2	-4.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-0.4	-4.7	-4.2	-2.5	-1.1	-0.1	-0.2	-0.1	-0.2	-0.3	-6.2
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-4.6	-3.7	-2.6	-1.3	-0.5	-0.1	0.0	0.0	-0.1	-5.9
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.1	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-1.7
HWQ14 - Lake Washington	0.0	-0.1	-0.8	-0.7	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	-1.0
HWQ16 - Bayou Grand Liard	-0.1	0.0	-1.2	-0.7	-0.4	-0.1	-0.2	0.0	0.0	0.0	0.0	-2.3
CRMS 3985	0.0	0.0	-2.8	-2.0	-1.5	-0.9	-0.8	-0.1	0.0	0.0	0.0	-3.3
CRMS 0258	-0.1	-0.1	0.0	0.5	1.6	2.5	3.2	0.6	0.0	0.0	0.0	-0.5
CRMS 0224	-0.1	-0.1	-2.2	-2.0	-1.4	-0.7	-0.1	0.0	0.0	0.0	-0.1	-3.8
CRMS 0163	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0
CRMS 0162	0.0	0.0	0.3	0.3	0.0	-0.1	-0.1	-0.1	0.0	0.0	-0.1	0.3

Figure WQ TEMP 35 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.2	13.0	14.2	19.0	23.1	26.9	27.7	28.2	27.1	22.0	13.4	15.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.1	16.5	20.2	24.1	28.0	29.0	29.5	28.1	23.7	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.7	13.2	15.2	19.6	23.7	27.9	28.8	29.2	27.8	23.0	15.4	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	18.9	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.5	19.4	23.6	27.5	28.7	29.1	27.6	22.7	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.9	20.7	24.6	28.0	29.0	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.2	15.8	17.0	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.7	18.6
CRMS 3985	10.0	13.5	16.2	20.1	24.2	27.9	29.2	29.5	28.1	23.2	15.4	16.0
CRMS 0258	8.2	12.1	12.6	17.1	20.6	23.7	27.0	28.2	27.0	21.7	13.7	15.3
CRMS 0224	9.8	14.4	16.1	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.8	11.7	12.9	17.2	20.5	24.7	25.4	26.0	25.4	21.1	14.7	14.3
CRMS 0162	8.2	10.8	12.3	17.0	21.2	25.6	26.8	26.9	26.2	20.8	14.7	13.0

V3PR9 HYST - cy 0 - 1970 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.1	13.0	14.2	19.0	23.1	26.9	27.6	28.2	27.1	22.0	13.4	15.1
CRMS0276 - Just east of Wilkinson Canal	11.6	15.1	16.5	20.2	24.1	27.9	28.9	29.5	28.1	23.7	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	10.6	14.7	16.4	20.3	24.0	28.0	28.8	29.2	27.7	23.1	15.5	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.0	13.1	14.5	18.9	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.6	19.4	23.6	27.4	28.8	29.1	27.7	22.8	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.2	24.1	27.6	28.6	29.2	27.8	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.2	17.1	20.8	24.8	28.2	29.3	29.9	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.0	28.9	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.7	20.7	24.7	28.3	29.2	29.6	28.3	23.6	15.7	16.8
HWQ16 - Bayou Grand Liard	14.3	15.8	17.0	20.4	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.6
CRMS 3985	10.0	13.5	16.2	20.1	24.2	27.9	29.2	29.5	28.1	23.2	15.4	16.1
CRMS 0258	8.2	12.1	12.6	17.1	20.6	23.6	26.9	28.2	27.0	21.7	13.7	15.3
CRMS 0224	9.7	14.5	16.2	20.1	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.5
CRMS 0163	8.5	11.4	12.8	17.1	20.6	24.7	25.5	26.1	25.5	21.0	14.6	14.3
CRMS 0162	8.2	10.8	12.3	17.1	21.2	25.6	26.9	26.9	26.2	20.8	14.7	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.8	1.5	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.8
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.1	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.2	-0.3	-0.1	-0.1	0.1	0.0	0.1	0.2	0.1	-0.1	-0.1	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 36 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.1	12.9	14.4	19.1	23.1	27.0	27.6	28.2	27.1	22.0	13.5	14.5
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.2	20.0	24.1	28.0	28.9	29.4	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	12.3	14.4	19.4	23.7	27.9	28.8	29.2	27.8	23.1	15.4	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.6	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	15.4	19.4	23.6	27.5	28.7	29.1	27.7	22.7	15.1	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	17.1	20.8	24.8	28.2	29.3	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.3	15.0	16.3	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.9	29.2	29.4	28.1	23.3	15.4	16.1
CRMS 0258	8.0	11.6	12.8	17.3	20.8	24.9	26.5	28.2	27.0	22.0	13.9	13.0
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.0	16.4
CRMS 0163	8.7	10.8	12.5	17.0	20.6	24.8	25.5	26.1	25.5	21.1	14.6	13.7
CRMS 0162	7.8	8.7	11.2	16.4	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.2

V3PR9 HYST - cy 0 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.1	12.9	14.4	19.1	23.1	27.0	27.6	28.2	27.1	22.0	13.5	14.5
CRMS0276 - Just east of Wilkinson Canal	11.6	14.6	16.2	20.1	24.0	28.0	28.9	29.5	28.1	23.7	16.8	17.3
Barataria Waterway at Lafitte (USACE82875)	10.6	14.6	16.4	20.3	24.0	27.9	28.8	29.2	27.7	23.1	15.5	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.6	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.4	19.4	23.6	27.4	28.7	29.2	27.7	22.7	15.1	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.1	27.6	28.6	29.1	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.2	17.1	20.8	24.8	28.2	29.3	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	28.9	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.7	28.3	29.2	29.6	28.3	23.6	15.7	16.8
HWQ16 - Bayou Grand Liard	14.3	15.0	16.3	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.8	18.4
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.9	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.0	11.6	12.8	17.3	20.8	24.8	26.5	28.2	27.0	22.1	13.9	13.0
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.5	10.4	12.3	16.9	20.7	24.8	25.5	26.1	25.6	21.1	14.7	13.7
CRMS 0162	7.8	8.8	11.3	16.5	21.2	25.6	27.0	27.0	26.2	21.1	14.7	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.8	2.3	2.0	0.9	0.3	0.0	0.0	0.0	0.0	0.1	0.1	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.2	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
CRMS 0162	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 37 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	12.9	14.6	19.0	22.9	27.0	27.7	28.2	27.1	22.0	13.2	14.7
CRMS0276 - Just east of Wilkinson Canal	11.7	14.9	16.6	20.3	24.1	27.9	29.0	29.5	28.1	23.7	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	13.0	15.5	19.8	23.8	27.9	28.7	29.1	27.7	23.1	15.4	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.4	18.9	22.7	26.5	27.3	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	15.7	19.4	23.7	27.6	28.8	29.1	27.7	22.7	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.5	16.5	20.3	24.1	27.6	28.6	29.2	27.8	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.2	17.1	20.8	24.8	28.2	29.2	29.8	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.0	28.9	29.4	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.2	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.6	15.4	17.2	20.4	24.4	28.1	29.5	30.1	28.8	24.7	18.6	18.4
CRMS 3985	10.0	13.5	16.2	20.2	24.2	28.0	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.6	11.9	14.3	17.7	20.8	26.9	27.7	28.2	27.0	22.0	12.6	13.3
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	9.0	11.5	13.0	17.3	20.5	24.5	25.3	26.1	25.4	21.2	14.7	13.9
CRMS 0162	8.5	10.0	12.4	17.3	21.1	25.2	26.7	26.9	26.2	21.0	14.7	12.6

V3PR9 HYST - cy 0 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	12.9	14.6	19.1	22.9	27.0	27.7	28.2	27.1	22.0	13.2	14.7
CRMS0276 - Just east of Wilkinson Canal	11.7	15.0	16.6	20.3	24.1	27.9	28.9	29.5	28.1	23.7	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	10.6	14.7	16.3	20.3	23.9	27.9	28.8	29.2	27.7	23.1	15.5	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.4	18.9	22.7	26.5	27.3	27.9	26.8	21.7	13.2	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	15.8	19.5	23.7	27.7	28.8	29.1	27.7	22.7	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.2	24.1	27.6	28.6	29.2	27.8	23.3	15.9	16.6
USGS 07380335 - Little Lake Near Cutoff	11.5	15.2	17.1	20.8	24.8	28.2	29.3	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.0	28.9	29.4	28.1	23.6	16.1	17.1
HWQ14 - Lake Washington	10.4	14.5	16.7	20.7	24.7	28.2	29.2	29.6	28.3	23.6	15.7	16.8
HWQ16 - Bayou Grand Liard	14.5	15.4	17.2	20.4	24.5	28.1	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.0	13.5	16.2	20.2	24.3	28.0	29.3	29.5	28.1	23.3	15.4	16.0
CRMS 0258	8.6	11.9	14.3	17.7	20.8	26.9	27.7	28.2	27.0	22.1	12.6	13.3
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.8	11.3	12.9	17.2	20.5	24.5	25.4	26.1	25.5	21.1	14.5	13.9
CRMS 0162	8.5	10.0	12.5	17.3	21.1	25.2	26.7	26.9	26.1	20.9	14.7	12.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.5	1.7	0.9	0.5	0.1	0.0	0.0	0.0	0.0	0.1	0.2	1.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.2	-0.2	-0.1	-0.1	0.1	0.0	0.1	0.0	0.1	-0.1	-0.1	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0

Figure WQ TEMP 38 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.0	12.9	14.3	19.1	23.0	27.0	27.5	27.9	27.1	22.0	13.5	14.9
CRMS0276 - Just east of Wilkinson Canal	11.5	14.3	16.3	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.8	19.5	23.8	27.9	28.8	29.2	27.8	23.0	15.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.3	15.5	19.4	23.6	27.5	28.6	28.9	27.5	22.7	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.2	27.6	28.6	29.2	27.9	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.3	15.1	17.1	20.8	24.8	28.2	29.2	29.8	28.4	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	17.0	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	13.9	14.7	16.6	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.3	15.4	16.1
CRMS 0258	7.8	11.6	12.7	17.2	20.6	23.7	24.3	24.4	26.3	22.1	13.9	14.5
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.1	16.4
CRMS 0163	8.5	10.4	12.6	17.1	20.6	24.8	25.7	26.3	25.6	21.1	14.7	14.3
CRMS 0162	7.4	8.3	11.8	16.8	21.2	25.7	27.3	27.2	26.2	20.9	14.7	12.9

V3PR9 HYST - cy 0 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.0	12.9	14.3	19.1	23.0	27.0	27.4	27.9	27.1	22.0	13.5	14.9
CRMS0276 - Just east of Wilkinson Canal	11.6	14.5	16.4	20.1	24.1	27.9	28.9	29.5	28.1	23.7	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	10.5	14.6	16.4	20.3	24.0	28.0	28.8	29.2	27.7	23.1	15.5	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.7	26.6	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	15.5	19.4	23.6	27.5	28.6	28.8	27.5	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.5	20.3	24.1	27.6	28.5	29.2	27.9	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	17.2	20.8	24.8	28.2	29.2	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.9	20.7	24.6	28.0	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.5	16.8	20.7	24.7	28.3	29.2	29.6	28.3	23.6	15.7	16.8
HWQ16 - Bayou Grand Liard	14.0	14.7	16.6	20.2	24.4	28.1	29.5	30.1	28.8	24.8	18.8	18.6
CRMS 3985	10.0	13.5	16.3	20.1	24.2	27.9	29.2	29.4	28.1	23.2	15.4	16.0
CRMS 0258	7.8	11.6	12.7	17.2	20.5	23.7	24.3	24.4	26.3	22.1	13.9	14.5
CRMS 0224	9.8	14.4	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.3	10.1	12.6	16.9	20.4	24.7	25.7	26.2	25.6	21.1	14.6	14.3
CRMS 0162	7.5	8.4	11.8	16.8	21.2	25.7	27.2	27.2	26.2	20.8	14.7	12.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	1.0	2.5	1.6	0.8	0.2	0.1	0.0	0.0	0.0	0.1	0.2	0.9
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.3	-0.2	-0.1	-0.2	-0.2	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0

Figure WQ TEMP 39 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.3	19.1	23.1	27.0	27.5	27.9	27.1	22.0	13.5	14.6
CRMS0276 - Just east of Wilkinson Canal	11.7	15.2	16.4	20.1	24.1	27.9	28.9	29.4	28.1	23.7	16.7	17.0
Barataria Waterway at Lafitte (USACE82875)	10.0	13.5	14.9	19.5	23.7	27.9	28.8	29.2	27.8	23.1	15.4	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.7	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.4	23.6	27.4	28.5	28.9	27.7	22.7	15.1	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.3	24.2	27.6	28.6	29.2	27.8	23.3	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.3	23.9	16.5	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.6	16.8	20.7	24.8	28.3	29.3	29.6	28.3	23.7	15.7	16.8
HWQ16 - Bayou Grand Liard	14.5	15.9	16.8	20.2	24.3	28.1	29.5	30.1	28.8	24.8	18.8	18.1
CRMS 3985	10.0	13.5	16.1	20.1	24.2	27.7	29.1	29.4	28.1	23.3	15.4	16.0
CRMS 0258	8.7	13.5	12.9	17.3	20.7	23.9	24.2	25.1	27.0	22.1	13.8	12.6
CRMS 0224	9.8	14.5	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.9	11.9	12.8	17.0	20.6	24.9	25.8	26.4	25.7	21.2	14.8	13.3
CRMS 0162	8.5	11.3	11.9	16.7	21.1	25.9	27.4	27.2	26.2	21.1	14.8	11.4

V3PR9 HYST - cy 0 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.4	13.2	14.3	19.0	23.1	27.0	27.5	28.0	27.1	22.0	13.5	14.6
CRMS0276 - Just east of Wilkinson Canal	11.7	15.3	16.5	20.1	24.0	27.9	28.9	29.5	28.1	23.7	16.8	17.1
Barataria Waterway at Lafitte (USACE82875)	10.6	14.7	16.4	20.3	24.0	28.0	28.8	29.2	27.7	23.1	15.5	16.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	13.1	14.5	19.0	22.8	26.7	27.4	27.9	26.8	21.7	13.3	14.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.4	23.6	27.5	28.6	28.9	27.6	22.8	15.2	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.5	16.4	20.3	24.1	27.6	28.5	29.2	27.8	23.2	15.9	16.7
USGS 07380335 - Little Lake Near Cutoff	11.4	15.3	17.1	20.8	24.8	28.2	29.2	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	10.9	15.1	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.4	14.5	16.7	20.7	24.7	28.3	29.2	29.6	28.3	23.6	15.7	16.8
HWQ16 - Bayou Grand Liard	14.5	15.9	16.8	20.2	24.2	28.1	29.5	30.1	28.8	24.8	18.8	18.1
CRMS 3985	10.0	13.5	16.1	20.1	24.2	27.8	29.1	29.4	28.1	23.2	15.4	16.0
CRMS 0258	8.7	13.5	12.9	17.2	20.7	23.9	24.3	25.2	27.0	22.0	13.8	12.6
CRMS 0224	9.8	14.5	16.2	20.0	23.9	27.5	28.3	28.9	27.6	22.9	15.1	16.4
CRMS 0163	8.8	11.8	12.8	17.0	20.7	24.9	25.8	26.3	25.6	21.1	14.6	13.3
CRMS 0162	8.5	11.3	12.0	16.8	21.2	25.9	27.4	27.2	26.2	21.1	14.7	11.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.5	1.2	1.4	0.8	0.3	0.1	0.0	0.0	0.0	0.0	0.2	1.9
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.1	-0.1	0.0	0.0	0.1	-0.1	0.0	-0.1	0.0	-0.1	-0.2	0.0
CRMS 0162	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1

Figure WQ TEMP 40 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.7	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.6	15.1
CRMS0276 - Just east of Wilkinson Canal	11.7	14.3	16.2	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.3	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.3	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.6	29.1	27.7	22.8	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.5	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.1	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.0	14.8	16.4	20.0	24.3	28.2	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.1	12.1	13.4	17.9	21.5	24.5	26.2	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	29.0	27.5	23.0	15.2	16.5
CRMS 0163	8.2	9.5	11.9	16.5	21.0	25.4	26.6	27.1	26.3	21.3	14.9	13.1
CRMS 0162	7.3	8.5	11.2	16.0	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

V3PR2 HYST - cy 1 - 1975 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.9	10.2	14.6	20.7	26.1	28.5	28.1	26.6	20.0	14.7	10.7
CRMS0276 - Just east of Wilkinson Canal	11.4	14.4	16.4	20.0	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.3	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.6	10.7	15.4	21.3	26.3	27.7	27.8	26.7	21.2	13.4	13.1
USGS7380251 Barataria Bay North of Grand Isle	8.6	11.1	13.2	17.9	23.0	27.2	28.5	28.9	27.6	22.7	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.4	10.4	12.6	17.8	22.7	27.0	28.5	29.1	27.8	23.2	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	10.0	12.1	14.0	19.0	23.6	27.7	29.1	29.9	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	10.5	14.2	16.3	20.4	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.5	14.3	16.7	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.5	14.6	16.4	20.2	24.5	28.2	29.6	30.1	28.8	24.8	18.5	18.4
CRMS 3985	9.8	12.8	15.0	19.4	23.7	27.4	28.9	29.4	28.0	23.2	15.5	16.5
CRMS 0258	7.9	11.6	13.5	18.1	22.0	25.3	26.5	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.1	12.8	15.0	19.4	23.5	27.3	28.3	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.2	9.6	11.9	16.5	21.0	25.5	26.7	27.2	26.3	21.3	14.9	13.2
CRMS 0162	7.3	8.6	11.2	16.0	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.5	-4.7	-2.6	-1.0	0.7	-0.3	-0.6	-2.1	1.0	-4.4
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-5.7	-4.2	-3.8	-1.8	-0.6	0.0	-0.3	-0.3	-0.8	-0.1	-2.0
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-2.3	-2.3	-1.6	-0.8	-0.3	-0.1	-0.2	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.3	-4.2	-4.0	-2.6	-1.5	-0.7	-0.2	-0.1	0.0	-0.2	-0.2	-0.5
USGS 07380335 - Little Lake Near Cutoff	-1.5	-3.0	-3.2	-1.7	-1.2	-0.5	-0.2	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.6	-0.9	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.3	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.5	-0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.3	-0.8	-1.3	-0.7	-0.5	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0
CRMS 0258	-0.3	-0.5	0.1	0.2	0.5	0.8	0.3	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.8	-1.6	-1.2	-0.6	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.1
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 41 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.8	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	14.2	16.1	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	11.9	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.2	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.7	29.1	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.3	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.3	14.8	16.2	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.3
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.2	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.3	12.1	13.4	17.9	21.5	25.5	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	9.9	14.4	16.3	20.0	23.8	27.5	28.4	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.6	27.1	26.3	21.5	15.0	12.7
CRMS 0162	7.6	8.3	10.9	16.1	21.2	26.1	27.6	27.7	26.9	21.4	15.2	11.7

V3PR2 HYST - cy 1 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.9	10.2	14.7	20.7	26.1	28.4	28.1	26.7	20.2	14.7	9.8
CRMS0276 - Just east of Wilkinson Canal	11.7	14.3	16.3	20.1	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.2
Barataria Waterway at Lafitte (USACE82875)	9.8	11.9	14.0	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.5	10.6	15.5	21.2	26.3	27.4	27.8	26.7	21.2	13.4	11.3
USGS7380251 Barataria Bay North of Grand Isle	8.8	11.1	13.1	17.8	22.9	27.4	28.6	28.9	27.6	22.7	14.9	14.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.1	10.1	12.4	17.8	22.6	27.4	28.6	29.1	27.8	23.2	15.8	14.4
USGS 07380335 - Little Lake Near Cutoff	10.6	11.7	13.7	19.1	23.5	28.1	29.2	29.9	28.4	23.9	16.5	15.9
USGS073802516 Barataria Pass at Grand Isle	10.7	14.1	16.2	20.4	24.6	28.1	29.0	29.5	28.2	23.7	16.2	16.8
HWQ14 - Lake Washington	10.5	14.3	16.6	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	14.0	14.5	16.2	20.2	24.5	28.1	29.5	30.1	28.8	24.8	18.6	18.1
CRMS 3985	10.0	12.8	14.9	19.4	23.6	27.7	29.1	29.4	28.0	23.2	15.5	16.1
CRMS 0258	8.2	11.5	13.4	18.1	22.0	25.5	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	9.5	12.5	14.8	19.5	23.5	27.5	28.3	28.9	27.5	22.9	15.2	15.6
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.7	27.2	26.3	21.5	15.0	12.9
CRMS 0162	7.6	8.4	11.0	16.2	21.2	26.1	27.7	27.7	26.9	21.4	15.2	11.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.3	-4.6	-4.6	-2.6	-1.0	0.6	-0.2	-0.5	-1.9	1.0	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.8	-5.8	-4.3	-3.8	-1.9	-0.5	-0.2	-0.3	-0.3	-0.8	-0.1	-3.8
USGS7380251 Barataria Bay North of Grand Isle	-0.8	-2.3	-2.5	-1.7	-0.8	-0.1	-0.1	-0.2	-0.1	-0.1	-0.3	-1.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.6	-4.5	-4.2	-2.5	-1.5	-0.2	-0.1	0.0	-0.1	-0.2	-0.2	-2.3
USGS 07380335 - Little Lake Near Cutoff	-0.9	-3.4	-3.4	-1.7	-1.2	-0.2	0.0	0.0	0.0	-0.1	-0.1	-1.5
USGS073802516 Barataria Pass at Grand Isle	-0.4	-1.0	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4
HWQ14 - Lake Washington	-0.1	-0.3	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.3	-0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.1	-0.8	-1.4	-0.7	-0.5	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.3
CRMS 0258	-0.1	-0.5	0.0	0.2	0.5	0.1	0.1	0.0	0.0	0.0	0.0	-0.1
CRMS 0224	-0.4	-1.9	-1.4	-0.6	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	-0.9
CRMS 0163	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 42 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.2	14.9	19.3	23.2	27.2	27.9	28.4	27.2	22.2	13.5	15.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.8	19.2	23.0	26.8	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.4	15.8	19.5	23.7	27.6	28.8	29.1	27.6	22.8	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.6	15.2	17.2	20.8	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.2	17.2	20.5	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.9	28.7	29.2	27.5	22.9	15.3	16.1
CRMS 0258	8.8	12.4	14.8	18.2	21.5	27.1	27.9	28.4	27.1	22.2	13.1	13.9
CRMS 0224	10.0	14.4	16.3	20.1	23.9	27.6	28.4	29.0	27.5	22.9	15.2	16.5
CRMS 0163	8.9	10.1	12.5	17.2	21.0	25.3	26.4	27.0	26.3	21.5	15.0	13.2
CRMS 0162	8.5	9.1	12.2	17.4	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

V3PR2 HYST - cy 1 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.5	10.7	15.6	20.9	26.1	28.5	28.1	26.8	20.1	14.6	10.7
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.1	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	9.1	12.5	17.7	21.8	26.4	27.4	27.8	26.7	21.2	13.3	13.1
USGS7380251 Barataria Bay North of Grand Isle	9.5	12.0	14.9	19.1	23.3	27.5	28.7	29.0	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	12.1	15.5	19.8	23.4	27.6	28.6	29.1	27.8	23.2	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	11.4	13.5	16.7	20.5	24.3	28.2	29.3	29.8	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	11.0	14.5	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.6	14.5	16.8	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.5	15.1	17.2	20.5	24.6	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.4	16.3	20.0	24.0	27.9	29.2	29.4	27.8	23.1	15.3	16.1
CRMS 0258	8.8	12.1	14.8	18.2	21.8	27.1	27.9	28.4	27.1	22.2	13.0	13.8
CRMS 0224	9.9	13.6	16.1	20.0	23.8	27.6	28.4	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.9	10.1	12.5	17.2	21.1	25.3	26.4	27.1	26.4	21.4	15.0	13.2
CRMS 0162	8.6	9.2	12.2	17.3	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.7	-4.2	-3.7	-2.3	-1.0	0.6	-0.3	-0.4	-2.1	1.1	-4.3
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-4.2	-2.3	-1.5	-1.2	-0.4	-0.2	-0.3	-0.3	-0.8	-0.2	-2.0
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-1.4	-0.8	-0.5	-0.4	-0.1	0.0	-0.1	0.0	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-2.5	-1.1	-0.5	-0.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.7	-0.5	-0.3	-0.5	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.6	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	0.0	-0.2	0.0	-0.1	-0.2	0.0	0.5	0.2	0.3	0.3	0.1	0.1
CRMS 0258	-0.1	-0.3	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 0224	-0.1	-0.9	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	-0.1	-0.1	0.0
CRMS 0162	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 43 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.7	19.3	23.3	27.2	27.7	28.2	27.2	22.2	13.7	15.2
CRMS0276 - Just east of Wilkinson Canal	11.6	14.0	16.3	20.1	24.2	28.1	29.0	29.5	28.2	23.8	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.3	23.7	27.9	28.9	29.3	27.9	23.2	15.6	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.4	13.3	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.5	28.9	27.6	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.9	14.4	16.5	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.7	18.5
CRMS 3985	10.1	13.6	16.4	20.1	24.2	27.7	29.0	29.3	27.9	23.2	15.6	16.5
CRMS 0258	8.2	12.2	13.3	17.8	21.3	24.6	25.1	25.4	26.5	22.2	14.1	14.8
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.2	9.1	12.0	16.8	20.9	25.4	26.8	27.2	26.3	21.4	15.0	13.3
CRMS 0162	7.1	8.0	11.4	16.5	21.3	26.1	27.9	27.8	26.7	20.9	15.4	12.4

V3PR2 HYST - cy 1 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.8	10.2	14.7	20.7	26.1	28.8	28.2	26.6	20.1	14.8	10.7
CRMS0276 - Just east of Wilkinson Canal	11.3	14.1	16.4	20.1	24.3	28.1	29.1	29.5	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.3	23.7	27.9	28.9	29.3	27.9	23.2	15.6	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.4	10.7	15.7	21.3	26.3	28.4	27.9	26.7	21.2	13.4	13.1
USGS7380251 Barataria Bay North of Grand Isle	8.5	10.8	13.4	18.1	23.1	27.2	28.4	28.7	27.5	22.7	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.2	9.8	12.9	18.1	22.9	26.9	28.3	28.8	27.8	23.2	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	10.0	11.5	14.4	19.3	23.8	27.6	28.9	29.5	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	10.5	13.9	16.4	20.5	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.5	14.2	16.6	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.3	14.2	16.5	20.3	24.5	28.2	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	9.8	12.6	15.3	19.5	23.8	27.3	28.5	29.0	27.9	23.2	15.5	16.5
CRMS 0258	7.9	11.5	13.5	18.0	21.9	25.3	26.2	26.1	26.5	22.2	14.1	14.8
CRMS 0224	9.0	12.3	15.2	19.6	23.6	27.3	28.2	28.8	27.5	22.9	15.2	16.4
CRMS 0163	8.2	9.2	12.0	16.8	20.9	25.5	26.8	27.2	26.3	21.3	14.9	13.3
CRMS 0162	7.1	8.0	11.4	16.6	21.4	26.1	27.9	27.8	26.7	20.9	15.3	12.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.5	-4.6	-2.5	-1.0	1.1	-0.1	-0.6	-2.1	1.1	-4.5
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-5.9	-4.1	-3.6	-1.8	-0.6	0.7	-0.2	-0.4	-0.8	-0.1	-2.0
USGS7380251 Barataria Bay North of Grand Isle	-1.1	-2.6	-2.2	-1.4	-0.6	-0.3	-0.2	-0.2	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.5	-4.8	-3.7	-2.3	-1.3	-0.7	-0.4	-0.4	0.0	-0.2	-0.2	-0.5
USGS 07380335 - Little Lake Near Cutoff	-1.5	-3.6	-2.8	-1.4	-0.9	-0.6	-0.4	-0.3	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.6	-1.2	-0.6	-0.3	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.4	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.6	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 3985	-0.2	-0.9	-1.1	-0.6	-0.4	-0.4	-0.5	-0.3	-0.1	0.0	0.0	0.0
CRMS 0258	-0.3	-0.7	0.1	0.2	0.6	0.8	1.2	0.6	0.0	0.0	0.0	0.0
CRMS 0224	-1.0	-2.1	-1.1	-0.5	-0.3	-0.2	-0.2	-0.1	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1

Figure WQ TEMP 44 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.4	14.7	19.3	23.3	27.2	27.8	28.3	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.4	20.0	24.1	28.1	29.0	29.5	28.2	23.8	16.8	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.4	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.6	15.6	19.5	23.7	27.5	28.5	28.9	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.5	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.6	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.2	17.0	20.8	24.7	28.1	29.1	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.8	16.7	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	17.9
CRMS 3985	10.1	13.6	16.1	20.1	24.1	27.7	29.0	29.4	28.0	23.2	15.6	16.5
CRMS 0258	8.9	13.7	13.5	17.8	21.5	24.8	25.1	26.0	27.1	22.2	14.0	13.2
CRMS 0224	10.0	14.5	16.3	20.0	23.8	27.5	28.3	28.9	27.5	22.9	15.3	16.4
CRMS 0163	8.9	10.7	12.1	16.7	20.9	25.6	26.8	27.1	26.2	21.4	14.9	12.1
CRMS 0162	8.5	10.5	11.4	16.4	21.1	26.0	27.9	27.7	26.7	21.3	15.3	10.8

V3PR2 HYST - cy 1 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	8.3	10.2	14.7	20.7	26.1	28.8	28.1	26.6	20.2	14.7	9.2
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.5	20.1	24.2	28.1	29.1	29.5	28.2	23.8	16.8	17.0
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.5	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.6	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	11.1	10.8	15.5	21.2	26.3	28.4	27.8	26.7	21.2	13.4	9.7
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	13.6	17.9	23.0	27.1	28.4	28.8	27.5	22.7	14.9	13.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	14.2	13.1	17.9	22.6	26.9	28.3	29.1	27.8	23.2	15.8	12.4
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	14.6	19.2	23.5	27.5	28.9	29.8	28.4	23.9	16.5	14.2
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.5	20.5	24.6	28.1	29.0	29.5	28.2	23.7	16.2	16.2
HWQ14 - Lake Washington	10.6	14.6	16.7	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.7
HWQ16 - Bayou Grand Liard	14.5	15.8	16.7	20.3	24.5	28.2	29.5	30.1	28.8	24.8	18.7	17.5
CRMS 3985	10.1	13.6	15.2	19.5	23.6	27.3	28.5	29.3	27.9	23.2	15.5	15.3
CRMS 0258	8.9	13.6	13.6	18.1	22.0	25.6	26.3	26.2	27.1	22.2	14.0	13.0
CRMS 0224	9.9	14.4	15.4	19.6	23.5	27.2	28.1	28.9	27.5	22.9	15.2	14.8
CRMS 0163	8.9	10.7	12.1	16.7	21.0	25.6	26.9	27.3	26.3	21.5	15.0	12.3
CRMS 0162	8.5	10.5	11.4	16.4	21.1	26.0	27.9	27.7	26.7	21.3	15.3	10.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-5.1	-4.4	-4.6	-2.6	-1.1	1.1	-0.1	-0.6	-2.0	1.0	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-2.2	-4.0	-3.7	-1.9	-0.7	0.7	-0.3	-0.4	-0.8	-0.1	-5.3
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-0.3	-2.0	-1.6	-0.8	-0.4	-0.1	-0.1	-0.1	-0.1	-0.2	-2.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-0.4	-3.4	-2.4	-1.6	-0.8	-0.4	-0.2	-0.1	-0.1	-0.2	-4.3
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-2.6	-1.5	-1.2	-0.7	-0.4	-0.1	0.0	0.0	-0.1	-3.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.9
HWQ14 - Lake Washington	0.0	0.0	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.1	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
CRMS 3985	0.0	0.0	-0.9	-0.6	-0.5	-0.4	-0.5	-0.1	-0.1	0.0	0.0	-1.2
CRMS 0258	-0.1	-0.1	0.2	0.2	0.5	0.8	1.2	0.2	0.0	0.0	0.0	-0.2
CRMS 0224	-0.1	-0.1	-0.8	-0.5	-0.4	-0.3	-0.2	0.0	0.0	0.0	0.0	-1.6
CRMS 0163	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.2	0.1	0.1	0.1	0.2
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 45 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.7	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.6	15.1
CRMS0276 - Just east of Wilkinson Canal	11.7	14.3	16.2	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.3	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.3	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.6	29.1	27.7	22.8	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.5	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.1	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.0	14.8	16.4	20.0	24.3	28.2	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.1	12.1	13.4	17.9	21.5	24.5	26.2	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	29.0	27.5	23.0	15.2	16.5
CRMS 0163	8.2	9.5	11.9	16.5	21.0	25.4	26.6	27.1	26.3	21.3	14.9	13.1
CRMS 0162	7.3	8.5	11.2	16.0	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

V3PR3 HYST - cy 1 - 1975 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.9	10.2	14.6	20.7	26.1	28.6	28.1	26.6	20.0	14.7	10.7
CRMS0276 - Just east of Wilkinson Canal	11.4	14.4	16.4	20.0	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.3	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	8.0	10.9	15.8	21.5	26.4	27.7	27.9	26.8	21.4	13.3	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.6	11.1	13.1	17.8	23.0	27.2	28.5	29.0	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.4	10.3	12.6	17.7	22.7	27.0	28.5	29.1	27.8	23.2	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	10.0	12.1	14.0	19.0	23.6	27.7	29.1	29.8	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	10.5	14.1	16.3	20.4	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.5	14.3	16.6	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.5	14.6	16.4	20.2	24.5	28.2	29.5	30.1	28.8	24.8	18.6	18.3
CRMS 3985	9.8	12.8	15.0	19.4	23.6	27.4	28.9	29.4	27.9	23.2	15.5	16.5
CRMS 0258	7.9	11.7	13.5	18.1	22.0	25.3	26.5	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.1	12.8	15.1	19.5	23.5	27.3	28.3	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.2	9.6	11.9	16.5	21.0	25.6	26.7	27.2	26.3	21.3	14.9	12.9
CRMS 0162	7.3	8.6	11.2	16.1	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.6	-4.7	-2.6	-1.0	0.7	-0.2	-0.6	-2.1	1.1	-4.4
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.9	-5.4	-4.0	-3.5	-1.6	-0.5	0.1	-0.2	-0.3	-0.6	-0.2	-1.7
USGS7380251 Barataria Bay North of Grand Isle	-1.0	-2.3	-2.4	-1.7	-0.8	-0.3	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.3	-4.2	-4.0	-2.6	-1.5	-0.7	-0.2	-0.1	-0.1	-0.2	-0.2	-0.5
USGS 07380335 - Little Lake Near Cutoff	-1.5	-3.0	-3.1	-1.7	-1.2	-0.5	-0.2	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.6	-0.9	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.3	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.5	-0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.3	-0.8	-1.4	-0.7	-0.5	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0
CRMS 0258	-0.2	-0.4	0.1	0.2	0.5	0.7	0.3	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.8	-1.6	-1.1	-0.6	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.1	0.0	-0.2
CRMS 0162	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 46 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.8	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	14.2	16.1	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	11.9	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.2	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.7	29.1	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.3	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.3	14.8	16.2	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.3
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.2	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.3	12.1	13.4	17.9	21.5	25.5	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	9.9	14.4	16.3	20.0	23.8	27.5	28.4	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.6	27.1	26.3	21.5	15.0	12.7
CRMS 0162	7.6	8.3	10.9	16.1	21.2	26.1	27.6	27.7	26.9	21.4	15.2	11.7

V3PR3 HYST - cy 1 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.9	10.2	14.7	20.7	26.1	28.4	28.1	26.7	20.2	14.7	9.8
CRMS0276 - Just east of Wilkinson Canal	11.7	14.3	16.3	20.1	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.2
Barataria Waterway at Lafitte (USACE82875)	9.8	11.9	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.8	10.8	15.8	21.5	26.5	27.5	27.9	26.8	21.4	13.3	11.6
USGS7380251 Barataria Bay North of Grand Isle	8.8	11.0	13.0	17.8	22.9	27.4	28.6	28.9	27.6	22.7	14.9	14.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.1	10.0	12.4	17.8	22.6	27.4	28.6	29.1	27.8	23.2	15.8	14.4
USGS 07380335 - Little Lake Near Cutoff	10.6	11.7	13.7	19.1	23.5	28.1	29.2	29.8	28.4	23.9	16.5	15.9
USGS073802516 Barataria Pass at Grand Isle	10.7	14.1	16.2	20.5	24.6	28.1	29.0	29.5	28.2	23.7	16.2	16.8
HWQ14 - Lake Washington	10.5	14.3	16.6	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	14.0	14.5	16.2	20.2	24.5	28.1	29.5	30.1	28.8	24.8	18.6	18.1
CRMS 3985	10.0	12.8	14.8	19.4	23.6	27.7	29.1	29.4	27.9	23.2	15.5	16.1
CRMS 0258	8.2	11.6	13.5	18.1	22.0	25.6	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	9.5	12.6	14.9	19.5	23.5	27.5	28.3	28.9	27.5	22.9	15.2	15.6
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.6	27.2	26.3	21.5	14.9	12.8
CRMS 0162	7.6	8.4	11.0	16.2	21.3	26.1	27.7	27.7	26.9	21.4	15.2	11.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.3	-4.6	-4.6	-2.6	-1.0	0.6	-0.2	-0.5	-2.0	1.0	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-5.5	-4.1	-3.5	-1.7	-0.4	-0.1	-0.2	-0.3	-0.6	-0.2	-3.5
USGS7380251 Barataria Bay North of Grand Isle	-0.8	-2.4	-2.5	-1.7	-0.8	-0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-1.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.6	-4.5	-4.2	-2.6	-1.6	-0.2	-0.1	0.0	-0.1	-0.2	-0.2	-2.3
USGS 07380335 - Little Lake Near Cutoff	-0.9	-3.4	-3.5	-1.7	-1.2	-0.2	-0.1	0.0	0.0	0.0	-0.1	-1.5
USGS073802516 Barataria Pass at Grand Isle	-0.4	-1.0	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ14 - Lake Washington	-0.1	-0.3	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.3	-0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.1	-0.8	-1.5	-0.7	-0.6	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.4
CRMS 0258	-0.1	-0.5	0.0	0.2	0.5	0.1	0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.4	-1.8	-1.4	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	-0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	-0.1	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 47 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.2	14.9	19.3	23.2	27.2	27.9	28.4	27.2	22.2	13.5	15.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.8	19.2	23.0	26.8	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.4	15.8	19.5	23.7	27.6	28.8	29.1	27.6	22.8	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.6	15.2	17.2	20.8	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.2	17.2	20.5	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.9	28.7	29.2	27.5	22.9	15.3	16.1
CRMS 0258	8.8	12.4	14.8	18.2	21.5	27.1	27.9	28.4	27.1	22.2	13.1	13.9
CRMS 0224	10.0	14.4	16.3	20.1	23.9	27.6	28.4	29.0	27.5	22.9	15.2	16.5
CRMS 0163	8.9	10.1	12.5	17.2	21.0	25.3	26.4	27.0	26.3	21.5	15.0	13.2
CRMS 0162	8.5	9.1	12.2	17.4	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

V3PR3 HYST - cy 1 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.5	10.7	15.6	20.9	26.1	28.5	28.1	26.8	20.1	14.6	10.7
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	9.5	12.8	18.0	22.0	26.5	27.5	27.9	26.8	21.4	13.3	13.4
USGS7380251 Barataria Bay North of Grand Isle	9.5	12.0	14.9	19.0	23.3	27.5	28.7	29.0	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	12.1	15.5	19.8	23.3	27.6	28.6	29.1	27.8	23.2	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	11.4	13.5	16.7	20.5	24.3	28.2	29.3	29.8	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	11.0	14.5	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.6	14.5	16.8	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.5	15.1	17.2	20.4	24.6	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.3	16.3	20.0	24.0	27.9	29.2	29.4	27.8	23.1	15.3	16.1
CRMS 0258	8.8	12.1	14.8	18.2	21.8	27.1	27.9	28.4	27.1	22.2	13.0	13.8
CRMS 0224	9.9	13.6	16.2	20.0	23.8	27.6	28.4	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.9	10.1	12.5	17.2	21.1	25.3	26.4	27.1	26.3	21.4	14.9	12.9
CRMS 0162	8.6	9.2	12.2	17.4	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.7	-4.2	-3.7	-2.4	-1.0	0.6	-0.2	-0.4	-2.1	1.2	-4.3
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-3.8	-2.0	-1.1	-1.0	-0.3	-0.1	-0.2	-0.2	-0.6	-0.2	-1.7
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-1.5	-0.9	-0.5	-0.4	-0.1	0.0	-0.1	0.0	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-2.5	-1.1	-0.6	-0.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.7	-0.5	-0.3	-0.5	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.6	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	0.0	-0.3	0.0	-0.1	-0.2	0.0	0.5	0.2	0.3	0.3	0.1	0.1
CRMS 0258	-0.1	-0.3	0.1	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-0.1	-0.9	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.0	-0.1	-0.1	-0.3
CRMS 0162	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 48 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.7	19.3	23.3	27.2	27.7	28.2	27.2	22.2	13.7	15.2
CRMS0276 - Just east of Wilkinson Canal	11.6	14.0	16.3	20.1	24.2	28.1	29.0	29.5	28.2	23.8	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.3	23.7	27.9	28.9	29.3	27.9	23.2	15.6	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.4	13.3	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.5	28.9	27.6	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.9	14.4	16.5	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.7	18.5
CRMS 3985	10.1	13.6	16.4	20.1	24.2	27.7	29.0	29.3	27.9	23.2	15.6	16.5
CRMS 0258	8.2	12.2	13.3	17.8	21.3	24.6	25.1	25.4	26.5	22.2	14.1	14.8
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.2	9.1	12.0	16.8	20.9	25.4	26.8	27.2	26.3	21.4	15.0	13.3
CRMS 0162	7.1	8.0	11.4	16.5	21.3	26.1	27.9	27.8	26.7	20.9	15.4	12.4

V3PR3 HYST - cy 1 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.8	10.2	14.7	20.7	26.1	28.8	28.2	26.6	20.0	14.8	10.7
CRMS0276 - Just east of Wilkinson Canal	11.3	14.2	16.5	20.1	24.3	28.1	29.1	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.3	23.7	27.9	28.9	29.3	27.9	23.1	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	7.7	11.0	16.0	21.5	26.4	28.3	28.0	26.7	21.3	13.3	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.5	10.7	13.3	18.0	23.0	27.1	28.4	28.7	27.5	22.7	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.2	9.8	12.9	18.0	22.9	26.9	28.3	28.8	27.8	23.2	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	10.0	11.4	14.4	19.3	23.8	27.6	28.9	29.5	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	10.5	13.9	16.4	20.5	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.5	14.2	16.6	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.3	14.3	16.5	20.3	24.5	28.2	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	9.8	12.6	15.2	19.5	23.7	27.3	28.5	29.0	27.9	23.2	15.5	16.5
CRMS 0258	7.9	11.5	13.5	18.0	21.8	25.3	26.2	26.0	26.5	22.2	14.1	14.8
CRMS 0224	9.0	12.4	15.2	19.6	23.6	27.3	28.2	28.8	27.5	22.9	15.2	16.4
CRMS 0163	8.2	9.2	12.0	16.8	21.0	25.5	26.8	27.2	26.3	21.4	15.1	13.4
CRMS 0162	7.2	8.0	11.5	16.6	21.4	26.0	27.8	27.8	26.7	20.9	15.4	12.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.5	-4.6	-2.5	-1.0	1.1	-0.1	-0.6	-2.2	1.1	-4.5
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.2	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.9	-5.6	-3.9	-3.2	-1.5	-0.5	0.7	-0.1	-0.3	-0.7	-0.2	-1.7
USGS7380251 Barataria Bay North of Grand Isle	-1.1	-2.7	-2.2	-1.5	-0.7	-0.3	-0.1	-0.2	-0.1	-0.1	-0.3	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.5	-4.8	-3.8	-2.3	-1.3	-0.7	-0.4	-0.4	-0.1	-0.2	-0.2	-0.5
USGS 07380335 - Little Lake Near Cutoff	-1.5	-3.7	-2.8	-1.5	-0.9	-0.6	-0.4	-0.3	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.6	-1.2	-0.6	-0.3	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.4	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.6	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.3	-1.0	-1.2	-0.6	-0.4	-0.4	-0.5	-0.3	-0.1	0.0	0.0	0.0
CRMS 0258	-0.3	-0.6	0.1	0.2	0.5	0.8	1.1	0.6	0.0	0.0	0.0	0.0
CRMS 0224	-0.9	-2.0	-1.0	-0.4	-0.2	-0.2	-0.2	-0.1	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.1
CRMS 0162	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 49 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.4	14.7	19.3	23.3	27.2	27.8	28.3	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.4	20.0	24.1	28.1	29.0	29.5	28.2	23.8	16.8	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.4	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.6	15.6	19.5	23.7	27.5	28.5	28.9	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.5	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.6	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.2	17.0	20.8	24.7	28.1	29.1	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.8	16.7	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	17.9
CRMS 3985	10.1	13.6	16.1	20.1	24.1	27.7	29.0	29.4	28.0	23.2	15.6	16.5
CRMS 0258	8.9	13.7	13.5	17.8	21.5	24.8	25.1	26.0	27.1	22.2	14.0	13.2
CRMS 0224	10.0	14.5	16.3	20.0	23.8	27.5	28.3	28.9	27.5	22.9	15.3	16.4
CRMS 0163	8.9	10.7	12.1	16.7	20.9	25.6	26.8	27.1	26.2	21.4	14.9	12.1
CRMS 0162	8.5	10.5	11.4	16.4	21.1	26.0	27.9	27.7	26.7	21.3	15.3	10.8

V3PR3 HYST - cy 1 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	8.3	10.2	14.7	20.7	26.1	28.8	28.1	26.6	20.2	14.7	9.2
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.5	20.1	24.2	28.1	29.1	29.5	28.2	23.8	16.8	17.0
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	11.5	11.1	15.8	21.4	26.4	28.3	27.9	26.8	21.4	13.3	10.1
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	13.6	17.9	23.0	27.1	28.4	28.8	27.5	22.7	14.9	13.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	14.2	13.1	17.9	22.6	26.9	28.4	29.1	27.8	23.2	15.8	12.4
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	14.5	19.2	23.5	27.5	28.9	29.8	28.4	23.9	16.5	14.2
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.5	20.5	24.6	28.1	29.0	29.5	28.2	23.7	16.2	16.2
HWQ14 - Lake Washington	10.6	14.6	16.7	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.7
HWQ16 - Bayou Grand Liard	14.5	15.8	16.7	20.3	24.5	28.2	29.5	30.1	28.8	24.8	18.7	17.5
CRMS 3985	10.1	13.6	15.1	19.5	23.6	27.3	28.5	29.3	27.9	23.2	15.5	15.2
CRMS 0258	8.9	13.6	13.7	18.1	22.0	25.6	26.2	26.2	27.1	22.2	14.0	13.1
CRMS 0224	9.9	14.4	15.5	19.6	23.5	27.2	28.2	28.9	27.5	22.9	15.2	14.9
CRMS 0163	8.9	10.7	12.1	16.8	21.0	25.7	26.9	27.2	26.3	21.4	14.9	12.1
CRMS 0162	8.5	10.4	11.4	16.5	21.1	26.0	27.9	27.7	26.7	21.3	15.3	10.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-5.1	-4.4	-4.6	-2.6	-1.1	1.1	-0.1	-0.6	-2.0	1.0	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.0	-1.9	-3.8	-3.4	-1.7	-0.6	0.7	-0.2	-0.3	-0.6	-0.2	-5.0
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-0.3	-2.1	-1.6	-0.8	-0.4	-0.1	-0.1	-0.1	-0.1	-0.2	-2.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-0.5	-3.4	-2.4	-1.6	-0.8	-0.3	-0.2	-0.1	-0.1	-0.2	-4.3
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-2.6	-1.6	-1.2	-0.7	-0.4	-0.1	0.0	0.0	-0.1	-3.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.9
HWQ14 - Lake Washington	0.0	0.0	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.1	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
CRMS 3985	0.0	0.0	-1.0	-0.6	-0.5	-0.4	-0.5	-0.1	-0.1	0.0	0.0	-1.3
CRMS 0258	-0.1	-0.1	0.2	0.2	0.5	0.8	1.1	0.1	0.0	0.0	0.0	-0.2
CRMS 0224	-0.1	-0.1	-0.8	-0.5	-0.4	-0.3	-0.2	0.0	0.0	0.0	0.0	-1.5
CRMS 0163	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 50 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.7	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.6	15.1
CRMS0276 - Just east of Wilkinson Canal	11.7	14.3	16.2	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.3	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.3	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.6	29.1	27.7	22.8	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.5	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.1	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.0	14.8	16.4	20.0	24.3	28.2	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.1	12.1	13.4	17.9	21.5	24.5	26.2	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	29.0	27.5	23.0	15.2	16.5
CRMS 0163	8.2	9.5	11.9	16.5	21.0	25.4	26.6	27.1	26.3	21.3	14.9	13.1
CRMS 0162	7.3	8.5	11.2	16.0	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

V3PR4 HYST - cy 1 - 1975 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.8	10.2	14.6	20.7	26.1	28.5	28.1	26.6	20.0	14.8	10.7
CRMS0276 - Just east of Wilkinson Canal	11.3	14.3	16.4	20.0	24.2	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.6	12.2	14.4	19.1	23.7	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.4	10.5	15.1	21.0	26.2	27.7	27.7	26.6	21.2	13.6	13.3
USGS7380251 Barataria Bay North of Grand Isle	8.3	10.4	12.5	17.2	22.6	27.0	28.5	28.9	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.9	9.4	11.9	17.0	22.2	26.8	28.5	29.1	27.8	23.2	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	9.4	10.9	13.0	18.2	23.1	27.5	29.1	29.9	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	10.3	13.8	16.1	20.3	24.5	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.5	14.2	16.5	20.4	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.3	14.4	16.1	20.0	24.4	28.2	29.5	30.1	28.8	24.8	18.5	18.4
CRMS 3985	9.4	12.2	14.2	18.9	23.4	27.2	28.9	29.4	27.9	23.2	15.5	16.5
CRMS 0258	7.8	11.3	13.2	18.1	22.1	25.5	26.6	28.4	27.1	22.1	13.9	14.3
CRMS 0224	8.8	12.0	14.4	18.9	23.3	27.3	28.3	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.2	9.6	12.0	16.5	21.0	25.4	26.6	27.1	26.3	21.3	15.0	13.2
CRMS 0162	7.4	8.7	11.3	16.1	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.6	-4.7	-2.6	-1.1	0.7	-0.3	-0.6	-2.1	1.1	-4.3
CRMS0276 - Just east of Wilkinson Canal	-0.4	0.0	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-6.0	-4.4	-4.1	-2.0	-0.7	0.0	-0.4	-0.4	-0.8	0.1	-1.8
USGS7380251 Barataria Bay North of Grand Isle	-1.3	-3.0	-3.1	-2.3	-1.1	-0.4	-0.1	-0.2	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.8	-5.1	-4.8	-3.3	-1.9	-0.8	-0.2	-0.1	-0.1	-0.2	-0.2	-0.5
USGS 07380335 - Little Lake Near Cutoff	-2.1	-4.1	-4.2	-2.5	-1.7	-0.7	-0.2	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.8	-1.3	-1.0	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.4	-0.4	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.7	-0.5	-0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.7	-1.4	-2.2	-1.2	-0.8	-0.5	-0.2	-0.1	0.0	0.0	0.0	0.0
CRMS 0258	-0.4	-0.8	-0.2	0.1	0.7	1.0	0.4	0.0	0.0	0.0	0.0	0.0
CRMS 0224	-1.1	-2.4	-1.8	-1.2	-0.6	-0.3	-0.1	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 51 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.8	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	14.2	16.1	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	11.9	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.2	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.7	29.1	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.3	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.3	14.8	16.2	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.3
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.2	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.3	12.1	13.4	17.9	21.5	25.5	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	9.9	14.4	16.3	20.0	23.8	27.5	28.4	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.6	27.1	26.3	21.5	15.0	12.7
CRMS 0162	7.6	8.3	10.9	16.1	21.2	26.1	27.6	27.7	26.9	21.4	15.2	11.7

V3PR4 HYST - cy 1 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.1	28.4	28.1	26.7	20.2	14.8	9.8
CRMS0276 - Just east of Wilkinson Canal	11.6	14.2	16.3	20.1	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.2
Barataria Waterway at Lafitte (USACE82875)	9.8	12.0	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.3	10.5	15.1	21.0	26.3	27.4	27.7	26.6	21.2	13.6	11.3
USGS7380251 Barataria Bay North of Grand Isle	8.6	10.2	12.4	17.2	22.6	27.4	28.6	29.0	27.6	22.7	14.9	14.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.7	9.2	11.7	17.0	22.2	27.4	28.6	29.1	27.8	23.2	15.8	13.9
USGS 07380335 - Little Lake Near Cutoff	10.3	10.6	12.7	18.3	23.0	28.0	29.2	29.8	28.4	23.9	16.5	15.4
USGS073802516 Barataria Pass at Grand Isle	10.6	13.7	15.9	20.3	24.5	28.1	29.0	29.5	28.2	23.7	16.2	16.7
HWQ14 - Lake Washington	10.5	14.1	16.4	20.4	24.6	28.3	29.4	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	13.9	14.2	15.8	20.1	24.4	28.1	29.5	30.1	28.8	24.8	18.6	18.0
CRMS 3985	9.9	12.0	13.9	18.9	23.3	27.6	29.1	29.4	28.0	23.2	15.5	15.8
CRMS 0258	8.2	11.2	13.1	18.1	22.1	25.6	26.9	28.4	27.1	22.2	14.1	13.4
CRMS 0224	9.4	11.6	14.0	19.0	23.2	27.4	28.3	28.9	27.5	22.9	15.2	15.3
CRMS 0163	8.5	9.4	11.8	16.7	21.0	25.6	26.7	27.2	26.3	21.5	14.9	12.8
CRMS 0162	7.7	8.4	11.0	16.3	21.3	26.1	27.6	27.7	26.9	21.4	15.2	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.3	-4.6	-4.7	-2.6	-1.0	0.6	-0.3	-0.5	-1.9	1.1	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-6.0	-4.4	-4.1	-2.1	-0.6	-0.3	-0.4	-0.4	-0.8	0.1	-3.8
USGS7380251 Barataria Bay North of Grand Isle	-1.0	-3.2	-3.2	-2.3	-1.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.3	-1.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.0	-5.4	-4.9	-3.3	-2.0	-0.3	-0.1	0.0	-0.1	-0.2	-0.2	-2.8
USGS 07380335 - Little Lake Near Cutoff	-1.3	-4.5	-4.4	-2.5	-1.7	-0.2	-0.1	0.0	0.0	0.0	-0.1	-2.1
USGS073802516 Barataria Pass at Grand Isle	-0.5	-1.4	-1.1	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5
HWQ14 - Lake Washington	-0.1	-0.5	-0.5	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.4	-0.6	-0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
CRMS 3985	-0.2	-1.6	-2.4	-1.2	-0.8	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.7
CRMS 0258	-0.1	-0.9	-0.3	0.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	-0.2
CRMS 0224	-0.6	-2.8	-2.2	-1.0	-0.7	-0.1	0.0	0.0	0.0	0.0	0.0	-1.2
CRMS 0163	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.1
CRMS 0162	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 52 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.2	14.9	19.3	23.2	27.2	27.9	28.4	27.2	22.2	13.5	15.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.8	19.2	23.0	26.8	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.4	15.8	19.5	23.7	27.6	28.8	29.1	27.6	22.8	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.6	15.2	17.2	20.8	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.2	17.2	20.5	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.9	28.7	29.2	27.5	22.9	15.3	16.1
CRMS 0258	8.8	12.4	14.8	18.2	21.5	27.1	27.9	28.4	27.1	22.2	13.1	13.9
CRMS 0224	10.0	14.4	16.3	20.1	23.9	27.6	28.4	29.0	27.5	22.9	15.2	16.5
CRMS 0163	8.9	10.1	12.5	17.2	21.0	25.3	26.4	27.0	26.3	21.5	15.0	13.2
CRMS 0162	8.5	9.1	12.2	17.4	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

V3PR4 HYST - cy 1 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.4	10.7	15.6	20.8	26.1	28.4	28.1	26.8	20.1	14.7	10.7
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	9.0	12.6	17.7	21.6	26.2	27.3	27.7	26.7	21.2	13.6	13.2
USGS7380251 Barataria Bay North of Grand Isle	9.4	11.6	14.6	18.9	23.3	27.5	28.7	29.0	27.6	22.6	14.7	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	11.5	15.2	19.7	23.2	27.5	28.6	29.1	27.8	23.2	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	11.4	13.0	16.4	20.4	24.1	28.2	29.3	29.8	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	11.0	14.4	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.6	14.4	16.8	20.6	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.5	15.0	17.2	20.5	24.6	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.1	16.1	20.0	23.9	27.9	29.2	29.4	27.8	23.1	15.3	16.1
CRMS 0258	8.8	12.0	14.8	18.2	21.9	27.1	27.9	28.4	27.1	22.2	13.0	13.8
CRMS 0224	9.9	13.3	16.1	20.0	23.7	27.6	28.3	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.9	10.1	12.5	17.2	21.1	25.3	26.5	27.1	26.4	21.4	14.9	13.2
CRMS 0162	8.6	9.3	12.2	17.4	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.7	-4.2	-3.7	-2.4	-1.1	0.6	-0.3	-0.4	-2.1	1.2	-4.3
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-4.3	-2.2	-1.5	-1.4	-0.6	-0.3	-0.5	-0.3	-0.8	0.1	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-1.9	-1.1	-0.6	-0.5	-0.1	-0.1	-0.1	0.0	-0.1	-0.2	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-3.1	-1.4	-0.6	-1.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.5
USGS 07380335 - Little Lake Near Cutoff	-0.2	-2.2	-0.8	-0.4	-0.7	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.8	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.3	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	0.0	-0.5	-0.1	-0.1	-0.3	0.0	0.5	0.2	0.3	0.2	0.0	0.0
CRMS 0258	0.0	-0.4	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0224	-0.1	-1.2	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	-0.1	-0.1	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 53 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.7	19.3	23.3	27.2	27.7	28.2	27.2	22.2	13.7	15.2
CRMS0276 - Just east of Wilkinson Canal	11.6	14.0	16.3	20.1	24.2	28.1	29.0	29.5	28.2	23.8	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.3	23.7	27.9	28.9	29.3	27.9	23.2	15.6	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.4	13.3	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.5	28.9	27.6	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.9	14.4	16.5	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.7	18.5
CRMS 3985	10.1	13.6	16.4	20.1	24.2	27.7	29.0	29.3	27.9	23.2	15.6	16.5
CRMS 0258	8.2	12.2	13.3	17.8	21.3	24.6	25.1	25.4	26.5	22.2	14.1	14.8
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.2	9.1	12.0	16.8	20.9	25.4	26.8	27.2	26.3	21.4	15.0	13.3
CRMS 0162	7.1	8.0	11.4	16.5	21.3	26.1	27.9	27.8	26.7	20.9	15.4	12.4

V3PR4 HYST - cy 1 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.1	26.6	20.0	14.8	10.8
CRMS0276 - Just east of Wilkinson Canal	11.1	14.0	16.4	20.1	24.3	28.1	29.1	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.6	19.4	23.7	27.9	28.9	29.3	27.9	23.2	15.6	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.2	10.5	15.3	21.1	26.2	28.5	27.9	26.6	21.2	13.6	13.2
USGS7380251 Barataria Bay North of Grand Isle	8.2	10.0	12.8	17.5	22.7	27.0	28.4	28.7	27.5	22.7	14.9	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.7	8.9	12.2	17.4	22.5	26.8	28.3	28.8	27.8	23.2	15.8	16.3
USGS 07380335 - Little Lake Near Cutoff	9.2	10.2	13.5	18.6	23.4	27.4	28.8	29.5	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	10.2	13.5	16.2	20.4	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.5	14.0	16.5	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	12.9	13.8	16.3	20.2	24.5	28.2	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	9.5	11.8	14.5	19.1	23.5	27.2	28.4	28.9	27.9	23.2	15.5	16.5
CRMS 0258	7.8	11.0	13.3	18.1	22.0	25.6	26.6	26.2	26.5	22.2	14.1	14.8
CRMS 0224	8.6	11.2	14.7	19.2	23.5	27.2	28.1	28.8	27.5	22.9	15.2	16.4
CRMS 0163	8.2	9.2	12.0	16.7	20.9	25.4	26.8	27.2	26.2	21.3	14.9	13.3
CRMS 0162	7.2	8.1	11.6	16.7	21.4	26.1	27.8	27.8	26.7	20.9	15.4	12.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.4	-4.5	-4.6	-2.6	-1.0	1.1	-0.1	-0.6	-2.2	1.2	-4.4
CRMS0276 - Just east of Wilkinson Canal	-0.5	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-6.1	-4.3	-3.9	-2.0	-0.6	0.9	-0.2	-0.4	-0.8	0.1	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-1.3	-3.4	-2.8	-1.9	-1.0	-0.5	-0.1	-0.2	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.0	-5.7	-4.4	-3.0	-1.7	-0.9	-0.3	-0.5	-0.1	-0.2	-0.2	-0.5
USGS 07380335 - Little Lake Near Cutoff	-2.3	-4.9	-3.7	-2.2	-1.4	-0.8	-0.5	-0.4	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.9	-1.6	-0.9	-0.4	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.6	-0.4	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-1.0	-0.6	-0.3	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.6	-1.8	-1.8	-1.0	-0.6	-0.6	-0.6	-0.4	-0.1	0.0	0.0	0.0
CRMS 0258	-0.4	-1.1	0.0	0.2	0.7	1.1	1.5	0.8	0.0	0.0	0.0	0.0
CRMS 0224	-1.3	-3.2	-1.6	-0.8	-0.4	-0.3	-0.2	-0.1	0.0	0.0	0.0	-0.1
CRMS 0163	0.1	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 54 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.4	14.7	19.3	23.3	27.2	27.8	28.3	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.4	20.0	24.1	28.1	29.0	29.5	28.2	23.8	16.8	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.4	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.6	15.6	19.5	23.7	27.5	28.5	28.9	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.5	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.6	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.2	17.0	20.8	24.7	28.1	29.1	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.8	16.7	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	17.9
CRMS 3985	10.1	13.6	16.1	20.1	24.1	27.7	29.0	29.4	28.0	23.2	15.6	16.5
CRMS 0258	8.9	13.7	13.5	17.8	21.5	24.8	25.1	26.0	27.1	22.2	14.0	13.2
CRMS 0224	10.0	14.5	16.3	20.0	23.8	27.5	28.3	28.9	27.5	22.9	15.3	16.4
CRMS 0163	8.9	10.7	12.1	16.7	20.9	25.6	26.8	27.1	26.2	21.4	14.9	12.1
CRMS 0162	8.5	10.5	11.4	16.4	21.1	26.0	27.9	27.7	26.7	21.3	15.3	10.8

V3PR4 HYST - cy 1 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	8.2	10.2	14.6	20.7	26.1	28.8	28.1	26.6	20.2	14.8	9.2
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.5	20.1	24.2	28.1	29.1	29.5	28.2	23.8	16.8	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	11.2	10.7	15.2	21.0	26.2	28.5	27.8	26.6	21.2	13.6	9.5
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	13.1	17.4	22.6	27.0	28.4	28.8	27.5	22.7	14.9	12.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	14.1	12.5	17.2	22.2	26.7	28.4	29.0	27.8	23.2	15.8	11.6
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	13.7	18.5	23.0	27.3	28.8	29.8	28.4	23.9	16.5	13.1
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.3	20.3	24.5	28.1	29.0	29.5	28.2	23.7	16.2	15.9
HWQ14 - Lake Washington	10.6	14.6	16.6	20.5	24.7	28.3	29.3	29.7	28.4	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	14.5	15.8	16.5	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.7	17.1
CRMS 3985	10.1	13.6	14.4	19.1	23.3	27.1	28.4	29.2	27.9	23.2	15.5	14.4
CRMS 0258	8.9	13.6	13.5	18.1	22.1	25.9	26.6	26.2	27.1	22.2	14.0	12.8
CRMS 0224	9.9	14.4	15.0	19.1	23.2	27.0	28.1	28.9	27.5	22.9	15.2	14.1
CRMS 0163	8.9	10.7	12.1	16.7	21.0	25.5	26.8	27.2	26.3	21.5	15.0	12.4
CRMS 0162	8.5	10.5	11.5	16.5	21.1	26.0	27.9	27.7	26.7	21.3	15.3	11.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-5.1	-4.5	-4.7	-2.6	-1.1	1.1	-0.1	-0.6	-2.0	1.1	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-2.1	-4.2	-4.1	-2.1	-0.7	0.8	-0.3	-0.4	-0.8	0.1	-5.6
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-0.3	-2.6	-2.1	-1.2	-0.5	-0.1	-0.1	-0.1	-0.1	-0.2	-3.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-0.5	-4.1	-3.1	-2.0	-1.0	-0.3	-0.2	-0.1	-0.1	-0.2	-5.2
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-3.4	-2.3	-1.8	-1.0	-0.5	-0.1	0.0	0.0	-0.1	-4.3
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.7	-0.4	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-1.2
HWQ14 - Lake Washington	0.0	0.0	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.4
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.2	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.8
CRMS 3985	0.0	0.0	-1.7	-1.1	-0.8	-0.6	-0.6	-0.1	-0.1	0.0	0.0	-2.1
CRMS 0258	-0.1	-0.1	0.0	0.2	0.6	1.1	1.5	0.2	0.0	0.0	0.0	-0.4
CRMS 0224	-0.1	-0.1	-1.2	-0.9	-0.7	-0.4	-0.2	0.0	0.0	0.0	0.0	-2.4
CRMS 0163	0.0	0.0	0.0	0.1	0.1	-0.1	0.0	0.1	0.0	0.1	0.1	0.2
CRMS 0162	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 55 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.7	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.6	15.1
CRMS0276 - Just east of Wilkinson Canal	11.7	14.3	16.2	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.3	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.3	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.6	29.1	27.7	22.8	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.5	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.1	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.0	14.8	16.4	20.0	24.3	28.2	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.1	12.1	13.4	17.9	21.5	24.5	26.2	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	29.0	27.5	23.0	15.2	16.5
CRMS 0163	8.2	9.5	11.9	16.5	21.0	25.4	26.6	27.1	26.3	21.3	14.9	13.1
CRMS 0162	7.3	8.5	11.2	16.0	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

V3PR5 HYST - cy 1 - 1975 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.8	10.2	14.6	20.7	26.1	28.5	28.1	26.6	20.0	14.8	10.7
CRMS0276 - Just east of Wilkinson Canal	11.3	14.3	16.4	20.0	24.2	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.2	14.4	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.6	10.7	15.4	21.2	26.3	27.7	27.8	26.7	21.3	13.3	13.5
USGS7380251 Barataria Bay North of Grand Isle	8.3	10.4	12.5	17.2	22.6	27.1	28.5	29.0	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.9	9.4	11.9	17.0	22.2	26.8	28.5	29.1	27.8	23.2	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	9.4	10.9	13.0	18.2	23.1	27.5	29.1	29.9	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	10.3	13.7	16.1	20.3	24.5	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.5	14.2	16.5	20.4	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.3	14.4	16.1	20.0	24.4	28.2	29.5	30.1	28.8	24.8	18.5	18.4
CRMS 3985	9.4	12.1	14.1	18.9	23.4	27.2	28.9	29.4	27.9	23.2	15.5	16.4
CRMS 0258	7.8	11.3	13.3	18.1	22.1	25.5	26.6	28.4	27.1	22.1	13.9	14.3
CRMS 0224	8.9	12.0	14.5	18.9	23.3	27.3	28.3	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.2	9.6	11.9	16.5	21.0	25.5	26.7	27.2	26.3	21.3	14.9	13.1
CRMS 0162	7.4	8.7	11.3	16.1	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.6	-4.7	-2.6	-1.1	0.7	-0.3	-0.6	-2.1	1.1	-4.3
CRMS0276 - Just east of Wilkinson Canal	-0.4	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-5.7	-4.2	-3.9	-1.9	-0.6	0.0	-0.3	-0.3	-0.7	-0.2	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-1.3	-3.0	-3.1	-2.3	-1.2	-0.4	-0.1	-0.1	-0.1	-0.1	-0.3	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.9	-5.2	-4.8	-3.4	-2.0	-0.8	-0.2	-0.1	-0.1	-0.2	-0.2	-0.5
USGS 07380335 - Little Lake Near Cutoff	-2.1	-4.2	-4.1	-2.6	-1.7	-0.7	-0.2	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.8	-1.3	-1.0	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.4	-0.4	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.7	-0.5	-0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.7	-1.5	-2.2	-1.2	-0.8	-0.5	-0.2	-0.1	0.0	0.0	0.0	0.0
CRMS 0258	-0.3	-0.8	-0.1	0.2	0.6	1.0	0.4	0.0	0.0	0.0	-0.1	0.0
CRMS 0224	-1.1	-2.4	-1.8	-1.1	-0.6	-0.3	-0.1	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 56 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.8	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	14.2	16.1	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	11.9	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.2	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.7	29.1	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.3	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.3	14.8	16.2	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.3
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.2	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.3	12.1	13.4	17.9	21.5	25.5	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	9.9	14.4	16.3	20.0	23.8	27.5	28.4	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.6	27.1	26.3	21.5	15.0	12.7
CRMS 0162	7.6	8.3	10.9	16.1	21.2	26.1	27.6	27.7	26.9	21.4	15.2	11.7

V3PR5 HYST - cy 1 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.1	28.4	28.1	26.7	20.2	14.8	9.8
CRMS0276 - Just east of Wilkinson Canal	11.6	14.2	16.3	20.1	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.2
Barataria Waterway at Lafitte (USACE82875)	9.8	12.0	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.5	10.6	15.4	21.2	26.4	27.4	27.9	26.7	21.3	13.3	11.4
USGS7380251 Barataria Bay North of Grand Isle	8.6	10.2	12.3	17.2	22.6	27.4	28.6	28.9	27.6	22.7	14.9	14.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.7	9.1	11.7	17.0	22.2	27.4	28.6	29.1	27.8	23.2	15.8	13.9
USGS 07380335 - Little Lake Near Cutoff	10.3	10.6	12.7	18.3	23.0	28.0	29.2	29.9	28.4	23.9	16.5	15.3
USGS073802516 Barataria Pass at Grand Isle	10.6	13.7	15.9	20.3	24.5	28.1	29.0	29.5	28.2	23.7	16.2	16.7
HWQ14 - Lake Washington	10.5	14.1	16.4	20.4	24.6	28.3	29.4	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	13.9	14.2	15.8	20.1	24.4	28.1	29.5	30.1	28.8	24.8	18.6	18.0
CRMS 3985	9.9	12.0	13.9	18.9	23.3	27.7	29.1	29.4	27.9	23.2	15.5	15.7
CRMS 0258	8.2	11.2	13.1	18.1	22.1	25.6	26.9	28.4	27.1	22.2	14.1	13.4
CRMS 0224	9.4	11.7	14.1	19.0	23.2	27.5	28.3	28.9	27.5	22.9	15.2	15.3
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.6	27.1	26.3	21.5	14.9	12.8
CRMS 0162	7.7	8.4	11.0	16.3	21.3	26.1	27.6	27.7	26.9	21.4	15.2	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.3	-4.6	-4.7	-2.6	-1.0	0.5	-0.3	-0.5	-1.9	1.1	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-5.8	-4.3	-3.9	-1.9	-0.5	-0.2	-0.3	-0.3	-0.7	-0.2	-3.6
USGS7380251 Barataria Bay North of Grand Isle	-1.0	-3.2	-3.2	-2.3	-1.2	-0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-1.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.0	-5.4	-4.9	-3.3	-2.0	-0.3	-0.1	0.0	-0.1	-0.2	-0.2	-2.9
USGS 07380335 - Little Lake Near Cutoff	-1.3	-4.6	-4.4	-2.5	-1.8	-0.2	-0.1	0.0	0.0	-0.1	-0.1	-2.1
USGS073802516 Barataria Pass at Grand Isle	-0.5	-1.4	-1.1	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5
HWQ14 - Lake Washington	-0.1	-0.5	-0.5	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.4	-0.6	-0.4	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
CRMS 3985	-0.3	-1.6	-2.4	-1.2	-0.8	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.7
CRMS 0258	-0.1	-0.9	-0.3	0.2	0.6	0.1	0.1	0.0	0.0	0.0	0.0	-0.2
CRMS 0224	-0.6	-2.7	-2.2	-1.0	-0.7	-0.1	0.0	0.0	0.0	0.0	0.0	-1.2
CRMS 0163	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 57 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.2	14.9	19.3	23.2	27.2	27.9	28.4	27.2	22.2	13.5	15.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.8	19.2	23.0	26.8	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.4	15.8	19.5	23.7	27.6	28.8	29.1	27.6	22.8	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.6	15.2	17.2	20.8	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.2	17.2	20.5	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.9	28.7	29.2	27.5	22.9	15.3	16.1
CRMS 0258	8.8	12.4	14.8	18.2	21.5	27.1	27.9	28.4	27.1	22.2	13.1	13.9
CRMS 0224	10.0	14.4	16.3	20.1	23.9	27.6	28.4	29.0	27.5	22.9	15.2	16.5
CRMS 0163	8.9	10.1	12.5	17.2	21.0	25.3	26.4	27.0	26.3	21.5	15.0	13.2
CRMS 0162	8.5	9.1	12.2	17.4	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

V3PR5 HYST - cy 1 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.4	10.7	15.6	20.8	26.1	28.4	28.1	26.8	20.1	14.7	10.7
CRMS0276 - Just east of Wilkinson Canal	11.8	14.5	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	9.3	12.8	17.9	21.9	26.4	27.4	27.8	26.7	21.3	13.3	13.4
USGS7380251 Barataria Bay North of Grand Isle	9.4	11.6	14.6	18.9	23.2	27.5	28.7	29.0	27.6	22.7	14.7	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	11.5	15.2	19.7	23.2	27.5	28.6	29.1	27.8	23.2	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	11.4	13.0	16.4	20.4	24.1	28.2	29.3	29.8	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	11.0	14.4	16.9	20.7	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.6	14.4	16.8	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.5	15.0	17.2	20.4	24.6	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.1	16.1	20.0	23.9	27.9	29.2	29.4	27.8	23.1	15.3	16.1
CRMS 0258	8.8	12.0	14.9	18.2	21.9	27.1	27.9	28.4	27.1	22.2	13.0	13.8
CRMS 0224	9.9	13.3	16.1	20.0	23.8	27.6	28.4	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.9	10.1	12.5	17.2	21.1	25.2	26.3	27.0	26.3	21.3	14.8	13.0
CRMS 0162	8.6	9.2	12.3	17.3	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.7	-4.2	-3.7	-2.4	-1.1	0.6	-0.3	-0.4	-2.1	1.2	-4.3
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-4.0	-2.0	-1.3	-1.2	-0.4	-0.2	-0.3	-0.3	-0.7	-0.2	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-1.9	-1.1	-0.6	-0.5	-0.1	0.0	-0.1	0.0	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-3.1	-1.4	-0.7	-1.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.5
USGS 07380335 - Little Lake Near Cutoff	-0.2	-2.2	-0.8	-0.4	-0.7	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.8	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.3	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	-0.5	-0.1	-0.1	-0.3	0.0	0.5	0.2	0.3	0.2	0.1	0.0
CRMS 0258	0.0	-0.4	0.1	0.0	0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0224	-0.1	-1.1	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	-0.1	0.0	-0.2	-0.2	-0.2
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 58 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.7	19.3	23.3	27.2	27.7	28.2	27.2	22.2	13.7	15.2
CRMS0276 - Just east of Wilkinson Canal	11.6	14.0	16.3	20.1	24.2	28.1	29.0	29.5	28.2	23.8	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.3	23.7	27.9	28.9	29.3	27.9	23.2	15.6	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.4	13.3	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.5	28.9	27.6	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.9	14.4	16.5	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.7	18.5
CRMS 3985	10.1	13.6	16.4	20.1	24.2	27.7	29.0	29.3	27.9	23.2	15.6	16.5
CRMS 0258	8.2	12.2	13.3	17.8	21.3	24.6	25.1	25.4	26.5	22.2	14.1	14.8
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.2	9.1	12.0	16.8	20.9	25.4	26.8	27.2	26.3	21.4	15.0	13.3
CRMS 0162	7.1	8.0	11.4	16.5	21.3	26.1	27.9	27.8	26.7	20.9	15.4	12.4

V3PR5 HYST - cy 1 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.1	26.6	20.0	14.9	10.8
CRMS0276 - Just east of Wilkinson Canal	11.1	14.0	16.4	20.1	24.3	28.1	29.1	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.4	23.7	27.9	28.9	29.3	27.9	23.1	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.4	10.7	15.6	21.3	26.3	28.4	28.0	26.7	21.3	13.3	13.5
USGS7380251 Barataria Bay North of Grand Isle	8.2	9.9	12.8	17.5	22.7	27.0	28.4	28.7	27.5	22.7	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.7	8.9	12.2	17.3	22.5	26.8	28.4	28.8	27.8	23.2	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	9.2	10.2	13.4	18.6	23.4	27.4	28.8	29.5	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	10.2	13.5	16.2	20.3	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.5	14.0	16.5	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	12.9	13.8	16.3	20.2	24.5	28.2	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	9.5	11.7	14.5	19.1	23.5	27.2	28.4	28.9	27.8	23.2	15.5	16.5
CRMS 0258	7.8	11.1	13.3	18.1	22.0	25.6	26.5	26.2	26.5	22.2	14.1	14.8
CRMS 0224	8.7	11.3	14.7	19.2	23.5	27.2	28.1	28.8	27.5	22.9	15.2	16.4
CRMS 0163	8.2	9.2	12.0	16.9	21.0	25.4	26.7	27.2	26.3	21.3	14.8	13.2
CRMS 0162	7.2	8.1	11.5	16.7	21.4	26.1	27.8	27.8	26.7	20.9	15.4	12.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.4	-4.5	-4.6	-2.6	-1.0	1.1	-0.1	-0.6	-2.2	1.2	-4.4
CRMS0276 - Just east of Wilkinson Canal	-0.5	0.0	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-5.9	-4.1	-3.6	-1.8	-0.6	0.8	-0.2	-0.3	-0.7	-0.2	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-1.4	-3.5	-2.8	-2.0	-1.0	-0.5	-0.1	-0.2	-0.1	-0.1	-0.3	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.1	-5.7	-4.5	-3.0	-1.7	-0.9	-0.3	-0.5	0.0	-0.2	-0.2	-0.5
USGS 07380335 - Little Lake Near Cutoff	-2.3	-4.9	-3.7	-2.2	-1.3	-0.8	-0.5	-0.4	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.9	-1.6	-0.9	-0.4	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.1	-0.6	-0.4	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-1.0	-0.6	-0.2	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.6	-1.9	-1.9	-1.0	-0.7	-0.6	-0.7	-0.4	-0.1	0.0	0.0	0.0
CRMS 0258	-0.4	-1.1	0.0	0.2	0.7	1.1	1.5	0.8	0.0	0.0	0.0	0.0
CRMS 0224	-1.3	-3.1	-1.6	-0.8	-0.4	-0.3	-0.2	-0.1	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.1	0.1	0.0	0.1	0.0	-0.1	0.0	-0.1	-0.2	-0.1
CRMS 0162	0.1	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 59 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.4	14.7	19.3	23.3	27.2	27.8	28.3	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.4	20.0	24.1	28.1	29.0	29.5	28.2	23.8	16.8	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.4	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.6	15.6	19.5	23.7	27.5	28.5	28.9	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.5	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.6	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.2	17.0	20.8	24.7	28.1	29.1	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.8	16.7	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	17.9
CRMS 3985	10.1	13.6	16.1	20.1	24.1	27.7	29.0	29.4	28.0	23.2	15.6	16.5
CRMS 0258	8.9	13.7	13.5	17.8	21.5	24.8	25.1	26.0	27.1	22.2	14.0	13.2
CRMS 0224	10.0	14.5	16.3	20.0	23.8	27.5	28.3	28.9	27.5	22.9	15.3	16.4
CRMS 0163	8.9	10.7	12.1	16.7	20.9	25.6	26.8	27.1	26.2	21.4	14.9	12.1
CRMS 0162	8.5	10.5	11.4	16.4	21.1	26.0	27.9	27.7	26.7	21.3	15.3	10.8

V3PR5 HYST - cy 1 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	8.2	10.2	14.6	20.7	26.1	28.8	28.1	26.6	20.2	14.8	9.2
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.5	20.1	24.2	28.1	29.1	29.5	28.2	23.8	16.8	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.6	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	11.5	10.9	15.4	21.2	26.3	28.4	27.9	26.7	21.3	13.3	9.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	13.0	17.3	22.5	26.9	28.4	28.8	27.5	22.7	14.9	12.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	14.1	12.4	17.2	22.2	26.7	28.4	29.0	27.8	23.2	15.8	11.6
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	13.7	18.5	23.0	27.2	28.8	29.8	28.4	23.9	16.5	13.1
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	16.3	20.3	24.5	28.1	29.0	29.5	28.2	23.7	16.2	15.9
HWQ14 - Lake Washington	10.6	14.6	16.6	20.5	24.7	28.2	29.3	29.7	28.4	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	14.5	15.8	16.5	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.7	17.1
CRMS 3985	10.1	13.6	14.4	19.0	23.3	27.1	28.4	29.2	27.9	23.2	15.5	14.4
CRMS 0258	8.9	13.6	13.5	18.1	22.1	25.9	26.6	26.2	27.1	22.2	14.0	12.8
CRMS 0224	9.9	14.4	15.1	19.2	23.2	27.1	28.1	28.9	27.5	22.9	15.2	14.1
CRMS 0163	8.9	10.7	12.1	16.7	20.9	25.7	26.8	27.2	26.3	21.6	15.0	12.3
CRMS 0162	8.5	10.5	11.5	16.6	21.1	26.0	27.9	27.8	26.7	21.3	15.3	11.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-5.2	-4.5	-4.7	-2.6	-1.1	1.1	-0.1	-0.6	-2.0	1.1	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-1.8	-4.0	-3.8	-1.9	-0.6	0.8	-0.3	-0.3	-0.7	-0.2	-5.3
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-0.4	-2.7	-2.2	-1.2	-0.5	-0.1	-0.1	-0.1	-0.1	-0.3	-3.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-0.5	-4.1	-3.1	-2.0	-1.0	-0.3	-0.2	-0.1	-0.1	-0.2	-5.2
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-3.4	-2.3	-1.8	-1.0	-0.5	-0.1	0.0	0.0	-0.1	-4.3
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.7	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-1.3
HWQ14 - Lake Washington	0.0	0.0	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.4
HWQ16 - Bayou Grand Liard	-0.1	0.0	-0.2	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.8
CRMS 3985	0.0	0.0	-1.7	-1.1	-0.8	-0.6	-0.6	-0.1	-0.1	0.0	0.0	-2.1
CRMS 0258	-0.1	-0.1	0.1	0.3	0.6	1.1	1.5	0.2	0.0	0.0	0.0	-0.4
CRMS 0224	-0.1	-0.1	-1.2	-0.9	-0.6	-0.4	-0.2	0.0	0.0	0.0	0.0	-2.3
CRMS 0163	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.2
CRMS 0162	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 60 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.7	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.6	15.1
CRMS0276 - Just east of Wilkinson Canal	11.7	14.3	16.2	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.3	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.3	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.6	29.1	27.7	22.8	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.5	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.1	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.0	14.8	16.4	20.0	24.3	28.2	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.1	12.1	13.4	17.9	21.5	24.5	26.2	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	29.0	27.5	23.0	15.2	16.5
CRMS 0163	8.2	9.5	11.9	16.5	21.0	25.4	26.6	27.1	26.3	21.3	14.9	13.1
CRMS 0162	7.3	8.5	11.2	16.0	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

V3PR6 HYST - cy 1 - 1975 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.8	10.1	14.6	20.7	26.1	28.4	28.0	26.6	20.1	14.6	11.0
CRMS0276 - Just east of Wilkinson Canal	10.8	13.7	15.8	19.9	24.1	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.6	12.3	14.5	19.1	23.7	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.1	10.3	14.8	20.9	26.2	27.5	27.4	26.4	21.4	14.1	13.6
USGS7380251 Barataria Bay North of Grand Isle	7.7	9.2	11.7	16.4	22.0	26.8	28.5	29.0	27.5	22.7	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.2	8.3	11.1	15.9	21.6	26.6	28.4	29.1	27.8	23.2	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	8.2	9.2	11.8	16.7	22.3	27.1	29.0	29.8	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	9.9	13.1	15.4	19.9	24.3	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.3	13.6	15.9	20.0	24.5	28.2	29.3	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	12.5	13.2	15.0	19.3	24.1	28.1	29.6	30.1	28.8	24.8	18.6	18.4
CRMS 3985	8.5	10.7	12.6	17.8	22.8	27.0	28.8	29.4	27.9	23.2	15.5	16.5
CRMS 0258	7.5	10.3	12.5	17.5	22.3	26.0	26.8	28.4	27.1	22.0	13.9	14.3
CRMS 0224	8.1	10.0	12.6	17.1	22.4	27.0	28.2	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.3	9.7	12.0	16.6	21.0	25.5	26.7	27.2	26.3	21.2	14.7	13.0
CRMS 0162	7.4	8.8	11.4	16.2	21.4	26.1	27.7	27.7	26.7	20.9	15.2	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.6	-4.7	-2.6	-1.1	0.6	-0.3	-0.6	-2.1	1.0	-4.1
CRMS0276 - Just east of Wilkinson Canal	-0.9	-0.6	-0.4	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-6.2	-4.5	-4.4	-2.2	-0.7	-0.1	-0.7	-0.6	-0.6	0.6	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-1.8	-4.2	-3.9	-3.1	-1.7	-0.6	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.5	-6.3	-5.5	-4.4	-2.6	-1.1	-0.3	-0.1	-0.1	-0.2	-0.2	-0.6
USGS 07380335 - Little Lake Near Cutoff	-3.3	-5.9	-5.4	-4.0	-2.5	-1.1	-0.3	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.2	-2.0	-1.6	-0.9	-0.4	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.3	-1.0	-1.0	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-1.5	-1.6	-1.4	-0.7	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-1.7	-2.9	-3.7	-2.3	-1.4	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0
CRMS 0258	-0.7	-1.8	-0.9	-0.4	0.8	1.5	0.6	0.0	0.0	0.0	-0.1	0.0
CRMS 0224	-1.8	-4.4	-3.6	-2.9	-1.5	-0.5	-0.1	0.0	0.0	-0.1	0.0	-0.1
CRMS 0163	0.1	0.2	0.1	0.1	-0.1	0.1	0.1	0.1	0.0	-0.1	-0.1	-0.1
CRMS 0162	0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 61 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.8	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	14.2	16.1	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	11.9	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.2	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.7	29.1	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.3	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.3	14.8	16.2	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.3
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.2	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.3	12.1	13.4	17.9	21.5	25.5	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	9.9	14.4	16.3	20.0	23.8	27.5	28.4	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.6	27.1	26.3	21.5	15.0	12.7
CRMS 0162	7.6	8.3	10.9	16.1	21.2	26.1	27.6	27.7	26.9	21.4	15.2	11.7

V3PR6 HYST - cy 1 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.1	28.3	28.1	26.7	20.3	14.6	9.8
CRMS0276 - Just east of Wilkinson Canal	11.5	13.5	15.5	19.9	24.1	28.1	29.0	29.6	28.2	23.8	16.8	17.0
Barataria Waterway at Lafitte (USACE82875)	9.8	12.1	14.2	19.3	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.0	10.3	14.9	20.9	26.0	27.0	27.3	26.4	21.4	14.2	11.3
USGS7380251 Barataria Bay North of Grand Isle	8.2	8.9	11.5	16.5	22.0	27.4	28.6	28.9	27.6	22.7	14.9	13.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.2	8.1	11.0	16.0	21.6	27.3	28.6	29.1	27.8	23.2	15.8	13.1
USGS 07380335 - Little Lake Near Cutoff	9.4	8.9	11.6	16.8	22.2	28.0	29.2	29.8	28.4	23.9	16.5	14.3
USGS073802516 Barataria Pass at Grand Isle	10.3	12.9	15.2	19.9	24.3	28.1	29.0	29.5	28.2	23.7	16.2	16.4
HWQ14 - Lake Washington	10.5	13.5	15.7	20.0	24.4	28.3	29.4	29.7	28.4	23.7	15.8	16.6
HWQ16 - Bayou Grand Liard	13.6	12.9	14.6	19.4	24.0	28.1	29.5	30.1	28.8	24.8	18.7	17.6
CRMS 3985	9.3	10.3	12.4	17.9	22.7	27.6	29.1	29.4	27.9	23.2	15.5	14.9
CRMS 0258	8.0	10.1	12.3	17.6	22.2	25.7	26.9	28.4	27.1	22.2	14.1	13.0
CRMS 0224	9.0	9.6	12.1	17.3	22.3	27.4	28.3	28.9	27.5	22.9	15.2	14.5
CRMS 0163	8.5	9.5	11.8	16.6	21.0	25.4	26.6	27.2	26.3	21.4	14.7	12.7
CRMS 0162	7.7	8.6	11.1	16.4	21.3	26.1	27.7	27.7	26.9	21.4	15.2	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.3	-4.6	-4.7	-2.7	-1.1	0.4	-0.3	-0.5	-1.9	0.9	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.3	-0.7	-0.6	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-6.3	-4.6	-4.4	-2.2	-0.8	-0.6	-0.8	-0.6	-0.6	0.7	-3.8
USGS7380251 Barataria Bay North of Grand Isle	-1.4	-4.5	-4.1	-3.0	-1.7	-0.1	-0.1	-0.2	-0.1	-0.1	-0.3	-2.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.5	-6.5	-5.6	-4.4	-2.6	-0.3	-0.2	-0.1	-0.1	-0.2	-0.2	-3.7
USGS 07380335 - Little Lake Near Cutoff	-2.1	-6.2	-5.6	-4.0	-2.6	-0.3	-0.1	0.0	0.0	0.0	-0.1	-3.1
USGS073802516 Barataria Pass at Grand Isle	-0.8	-2.3	-1.9	-0.8	-0.4	0.0	0.0	0.0	0.0	0.0	-0.1	-0.7
HWQ14 - Lake Washington	-0.1	-1.1	-1.2	-0.7	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ16 - Bayou Grand Liard	-0.7	-1.9	-1.6	-0.7	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.8
CRMS 3985	-0.8	-3.3	-3.9	-2.3	-1.4	-0.2	-0.1	0.0	0.0	0.0	0.0	-1.5
CRMS 0258	-0.3	-2.0	-1.1	-0.3	0.7	0.2	0.0	0.0	0.0	0.0	0.0	-0.6
CRMS 0224	-1.0	-4.9	-4.1	-2.8	-1.6	-0.2	0.0	0.0	0.0	0.0	0.0	-2.0
CRMS 0163	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.3	0.0
CRMS 0162	0.2	0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 62 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.2	14.9	19.3	23.2	27.2	27.9	28.4	27.2	22.2	13.5	15.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.8	19.2	23.0	26.8	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.4	15.8	19.5	23.7	27.6	28.8	29.1	27.6	22.8	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.6	15.2	17.2	20.8	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.2	17.2	20.5	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.9	28.7	29.2	27.5	22.9	15.3	16.1
CRMS 0258	8.8	12.4	14.8	18.2	21.5	27.1	27.9	28.4	27.1	22.2	13.1	13.9
CRMS 0224	10.0	14.4	16.3	20.1	23.9	27.6	28.4	29.0	27.5	22.9	15.2	16.5
CRMS 0163	8.9	10.1	12.5	17.2	21.0	25.3	26.4	27.0	26.3	21.5	15.0	13.2
CRMS 0162	8.5	9.1	12.2	17.4	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

V3PR6 HYST - cy 1 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	7.4	10.8	15.6	20.8	26.0	28.2	27.9	26.8	20.1	14.4	10.8
CRMS0276 - Just east of Wilkinson Canal	11.8	14.3	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.1	19.6	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	8.8	12.7	17.5	21.4	26.0	26.9	27.3	26.4	21.4	14.1	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.4	10.8	14.4	18.8	23.0	27.5	28.7	29.0	27.6	22.7	14.7	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.6	14.8	19.5	22.7	27.5	28.6	29.1	27.8	23.2	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	11.3	11.7	15.9	20.2	23.6	28.2	29.2	29.8	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	11.0	14.0	16.7	20.6	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.6	14.2	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.5	14.5	17.1	20.3	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	12.3	15.7	19.9	23.6	27.9	29.2	29.4	27.9	23.1	15.4	16.2
CRMS 0258	8.8	11.5	14.8	18.2	22.1	27.1	27.9	28.4	27.1	22.2	13.0	13.8
CRMS 0224	9.9	12.3	15.8	19.8	23.6	27.6	28.3	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.9	10.2	12.5	17.2	21.0	25.2	26.4	27.0	26.3	21.4	14.9	13.1
CRMS 0162	8.6	9.3	12.2	17.4	21.5	26.0	27.6	27.7	26.9	21.0	15.1	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.6	-5.7	-4.1	-3.7	-2.4	-1.1	0.3	-0.4	-0.5	-2.1	0.9	-4.2
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.7	-4.5	-2.1	-1.7	-1.6	-0.8	-0.7	-0.8	-0.6	-0.6	0.6	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-2.6	-1.4	-0.7	-0.7	-0.1	0.0	-0.1	0.0	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.7	-4.0	-1.8	-0.9	-1.4	-0.2	-0.1	-0.1	-0.1	-0.2	-0.2	-0.6
USGS 07380335 - Little Lake Near Cutoff	-0.3	-3.5	-1.3	-0.6	-1.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-1.1	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.4	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.8	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 3985	0.0	-1.3	-0.5	-0.2	-0.5	0.0	0.5	0.2	0.3	0.3	0.1	0.2
CRMS 0258	-0.1	-0.8	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0224	-0.1	-2.2	-0.5	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
CRMS 0162	0.0	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

Figure WQ TEMP 63 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.7	19.3	23.3	27.2	27.7	28.2	27.2	22.2	13.7	15.2
CRMS0276 - Just east of Wilkinson Canal	11.6	14.0	16.3	20.1	24.2	28.1	29.0	29.5	28.2	23.8	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.3	23.7	27.9	28.9	29.3	27.9	23.2	15.6	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.4	13.3	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.5	28.9	27.6	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.9	14.4	16.5	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.7	18.5
CRMS 3985	10.1	13.6	16.4	20.1	24.2	27.7	29.0	29.3	27.9	23.2	15.6	16.5
CRMS 0258	8.2	12.2	13.3	17.8	21.3	24.6	25.1	25.4	26.5	22.2	14.1	14.8
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.2	9.1	12.0	16.8	20.9	25.4	26.8	27.2	26.3	21.4	15.0	13.3
CRMS 0162	7.1	8.0	11.4	16.5	21.3	26.1	27.9	27.8	26.7	20.9	15.4	12.4

V3PR6 HYST - cy 1 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.1	26.6	20.1	14.7	11.0
CRMS0276 - Just east of Wilkinson Canal	10.5	13.2	16.0	20.0	24.3	28.1	29.1	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.6	11.8	14.6	19.4	23.8	27.9	28.9	29.3	27.9	23.1	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.0	10.3	15.0	20.9	26.2	28.7	27.8	26.5	21.4	14.2	13.7
USGS7380251 Barataria Bay North of Grand Isle	7.5	8.7	11.8	16.7	22.2	26.8	28.4	28.6	27.5	22.7	14.9	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.0	7.9	11.3	16.3	21.9	26.5	28.5	28.7	27.8	23.2	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	7.8	8.6	12.1	17.3	22.7	27.0	28.7	29.3	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	9.7	12.5	15.6	20.1	24.4	28.0	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.3	13.2	16.1	20.2	24.6	28.2	29.3	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	11.9	12.3	15.4	19.6	24.3	28.1	29.4	30.1	28.8	24.8	18.7	18.4
CRMS 3985	8.4	10.0	13.0	18.2	23.0	26.9	28.2	28.7	27.9	23.2	15.5	16.5
CRMS 0258	7.5	9.8	12.7	17.8	22.3	26.2	27.3	26.5	26.5	22.2	14.1	14.8
CRMS 0224	7.9	9.1	13.2	17.9	22.9	26.9	28.1	28.7	27.5	22.9	15.2	16.4
CRMS 0163	8.3	9.3	12.1	16.9	21.0	25.5	26.8	27.2	26.3	21.3	14.9	13.3
CRMS 0162	7.3	8.2	11.6	16.7	21.4	26.1	27.8	27.8	26.7	20.9	15.4	12.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.4	-4.6	-4.7	-2.6	-1.0	1.1	-0.1	-0.6	-2.1	1.0	-4.2
CRMS0276 - Just east of Wilkinson Canal	-1.1	-0.8	-0.3	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.2	-6.4	-4.5	-4.2	-2.2	-0.7	1.0	-0.3	-0.5	-0.6	0.7	-1.4
USGS7380251 Barataria Bay North of Grand Isle	-2.0	-4.7	-3.8	-2.8	-1.5	-0.7	-0.1	-0.3	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.7	-6.6	-5.4	-4.0	-2.3	-1.2	-0.2	-0.6	-0.1	-0.2	-0.2	-0.6
USGS 07380335 - Little Lake Near Cutoff	-3.7	-6.5	-5.1	-3.5	-2.1	-1.2	-0.6	-0.6	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.4	-2.6	-1.4	-0.7	-0.3	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.3	-1.5	-0.8	-0.5	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-2.0	-2.0	-1.2	-0.6	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	0.0
CRMS 3985	-1.7	-3.5	-3.3	-1.9	-1.1	-0.9	-0.8	-0.6	-0.1	0.0	0.0	0.0
CRMS 0258	-0.7	-2.3	-0.6	-0.1	0.9	1.6	2.2	1.1	0.0	0.0	0.0	0.0
CRMS 0224	-2.0	-5.3	-3.0	-2.1	-1.0	-0.6	-0.2	-0.2	0.0	0.0	0.0	-0.1
CRMS 0163	0.1	0.1	0.1	0.2	0.1	0.1	0.1	-0.1	0.0	-0.1	-0.1	0.0
CRMS 0162	0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.1	-0.1

Figure WQ TEMP 64 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.4	14.7	19.3	23.3	27.2	27.8	28.3	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.4	20.0	24.1	28.1	29.0	29.5	28.2	23.8	16.8	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.4	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.6	15.6	19.5	23.7	27.5	28.5	28.9	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.5	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.6	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.2	17.0	20.8	24.7	28.1	29.1	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.8	16.7	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	17.9
CRMS 3985	10.1	13.6	16.1	20.1	24.1	27.7	29.0	29.4	28.0	23.2	15.6	16.5
CRMS 0258	8.9	13.7	13.5	17.8	21.5	24.8	25.1	26.0	27.1	22.2	14.0	13.2
CRMS 0224	10.0	14.5	16.3	20.0	23.8	27.5	28.3	28.9	27.5	22.9	15.3	16.4
CRMS 0163	8.9	10.7	12.1	16.7	20.9	25.6	26.8	27.1	26.2	21.4	14.9	12.1
CRMS 0162	8.5	10.5	11.4	16.4	21.1	26.0	27.9	27.7	26.7	21.3	15.3	10.8

V3PR6 HYST - cy 1 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	8.4	10.2	14.6	20.7	26.1	28.8	28.1	26.7	20.3	14.7	9.1
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.0	20.0	24.1	28.0	29.1	29.5	28.2	23.8	16.8	16.1
Barataria Waterway at Lafitte (USACE82875)	10.0	13.0	14.6	19.4	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	11.4	10.5	14.9	20.9	26.2	28.7	27.7	26.5	21.4	14.2	9.4
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	12.2	16.5	22.0	26.7	28.4	28.8	27.5	22.7	14.8	11.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	14.1	11.7	16.1	21.6	26.4	28.5	29.0	27.8	23.1	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	11.4	15.0	12.5	17.0	22.2	26.9	28.8	29.8	28.4	23.9	16.5	11.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	15.8	20.1	24.3	28.0	29.0	29.5	28.2	23.7	16.2	15.3
HWQ14 - Lake Washington	10.6	14.6	16.2	20.2	24.4	28.1	29.3	29.7	28.4	23.7	15.8	16.1
HWQ16 - Bayou Grand Liard	14.5	15.8	15.7	19.6	24.0	28.0	29.4	30.1	28.8	24.8	18.7	15.9
CRMS 3985	10.1	13.6	13.1	18.0	22.7	26.8	28.2	29.2	27.9	23.2	15.5	12.7
CRMS 0258	8.9	13.6	13.0	17.7	22.3	26.4	27.3	26.2	27.1	22.2	14.0	12.1
CRMS 0224	9.9	14.4	13.6	17.6	22.3	26.7	28.2	28.9	27.5	22.9	15.2	12.3
CRMS 0163	8.9	10.7	12.2	16.8	20.9	25.6	26.8	27.2	26.3	21.5	14.9	12.3
CRMS 0162	8.5	10.5	11.6	16.7	21.2	26.0	27.9	27.8	26.7	21.3	15.3	11.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.0	-4.5	-4.7	-2.7	-1.1	1.1	-0.2	-0.6	-1.9	1.0	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	-0.4	0.0	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	-0.8
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.7	-1.9	-4.4	-4.4	-2.2	-0.7	1.0	-0.5	-0.5	-0.6	0.7	-5.7
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-0.3	-3.4	-3.0	-1.7	-0.7	-0.1	-0.1	-0.2	-0.1	-0.3	-4.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-0.5	-4.8	-4.3	-2.6	-1.2	-0.2	-0.2	-0.1	-0.2	-0.3	-6.3
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-4.6	-3.8	-2.6	-1.4	-0.5	-0.1	0.0	0.0	-0.1	-6.0
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.2	-0.7	-0.4	-0.2	0.0	0.0	0.0	0.0	-0.1	-1.9
HWQ14 - Lake Washington	0.0	-0.1	-0.6	-0.5	-0.4	-0.3	-0.1	0.0	0.0	0.0	0.0	-0.9
HWQ16 - Bayou Grand Liard	-0.1	0.0	-1.0	-0.6	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-2.1
CRMS 3985	0.0	0.0	-3.0	-2.1	-1.4	-0.9	-0.8	-0.1	-0.1	0.0	-0.1	-3.8
CRMS 0258	-0.1	-0.1	-0.5	-0.2	0.8	1.6	2.2	0.2	0.0	0.0	0.0	-1.2
CRMS 0224	-0.1	-0.1	-2.7	-2.4	-1.6	-0.8	-0.2	-0.1	0.0	0.0	0.0	-4.2
CRMS 0163	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.1
CRMS 0162	0.0	0.0	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2

Figure WQ TEMP 65 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.7	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.6	15.1
CRMS0276 - Just east of Wilkinson Canal	11.7	14.3	16.2	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.3	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.3	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.6	29.1	27.7	22.8	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.5	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.1	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.0	14.8	16.4	20.0	24.3	28.2	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.1	12.1	13.4	17.9	21.5	24.5	26.2	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	29.0	27.5	23.0	15.2	16.5
CRMS 0163	8.2	9.5	11.9	16.5	21.0	25.4	26.6	27.1	26.3	21.3	14.9	13.1
CRMS 0162	7.3	8.5	11.2	16.0	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

V3PR7 HYST - cy 1 - 1975 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.8	10.1	14.6	20.7	26.1	28.4	28.1	26.6	20.1	14.6	10.9
CRMS0276 - Just east of Wilkinson Canal	10.8	13.7	15.8	19.9	24.1	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	9.6	12.3	14.5	19.1	23.7	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.2	10.4	15.0	21.0	26.2	27.5	27.5	26.5	21.3	13.9	13.6
USGS7380251 Barataria Bay North of Grand Isle	7.7	9.2	11.7	16.4	22.0	26.8	28.5	28.9	27.5	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.2	8.2	11.1	15.9	21.6	26.6	28.4	29.1	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	8.2	9.2	11.8	16.7	22.3	27.1	29.0	29.8	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	9.9	13.1	15.4	19.9	24.3	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.3	13.6	15.9	20.0	24.4	28.2	29.3	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	12.5	13.3	15.0	19.3	24.1	28.1	29.6	30.1	28.8	24.8	18.6	18.4
CRMS 3985	8.4	10.6	12.6	17.8	22.8	26.9	28.8	29.4	27.9	23.2	15.5	16.4
CRMS 0258	7.5	10.4	12.6	17.6	22.3	26.0	26.8	28.4	27.1	22.0	13.9	14.3
CRMS 0224	8.1	10.1	12.6	17.2	22.4	27.1	28.2	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.3	9.7	12.0	16.6	21.1	25.6	26.7	27.2	26.3	21.3	14.9	13.2
CRMS 0162	7.4	8.8	11.4	16.3	21.4	26.1	27.7	27.7	26.7	20.9	15.2	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.6	-4.7	-2.6	-1.1	0.6	-0.3	-0.6	-2.1	0.9	-4.2
CRMS0276 - Just east of Wilkinson Canal	-0.9	-0.6	-0.5	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-6.1	-4.4	-4.3	-2.1	-0.6	-0.1	-0.6	-0.5	-0.7	0.3	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-1.8	-4.2	-3.9	-3.1	-1.7	-0.6	-0.1	-0.2	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.5	-6.3	-5.5	-4.4	-2.6	-1.1	-0.3	-0.1	-0.1	-0.2	-0.2	-0.6
USGS 07380335 - Little Lake Near Cutoff	-3.3	-5.9	-5.4	-4.0	-2.5	-1.1	-0.3	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.2	-2.0	-1.7	-0.9	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.3	-1.0	-1.0	-0.7	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-1.5	-1.6	-1.4	-0.7	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-1.7	-3.0	-3.7	-2.3	-1.4	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0
CRMS 0258	-0.6	-1.7	-0.8	-0.3	0.8	1.5	0.6	0.0	0.0	0.0	-0.1	0.0
CRMS 0224	-1.8	-4.3	-3.6	-2.8	-1.4	-0.5	-0.1	0.0	0.0	-0.1	0.0	-0.1
CRMS 0163	0.1	0.2	0.1	0.1	0.0	0.2	0.2	0.1	0.0	0.1	0.1	0.1
CRMS 0162	0.2	0.3	0.2	0.3	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0

Figure WQ TEMP 66 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.8	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	14.2	16.1	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	11.9	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.2	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.7	29.1	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.3	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.3	14.8	16.2	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.3
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.2	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.3	12.1	13.4	17.9	21.5	25.5	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	9.9	14.4	16.3	20.0	23.8	27.5	28.4	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.6	27.1	26.3	21.5	15.0	12.7
CRMS 0162	7.6	8.3	10.9	16.1	21.2	26.1	27.6	27.7	26.9	21.4	15.2	11.7

V3PR7 HYST - cy 1 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.1	28.3	28.1	26.7	20.3	14.6	9.8
CRMS0276 - Just east of Wilkinson Canal	11.5	13.5	15.5	19.9	24.1	28.1	29.0	29.6	28.2	23.8	16.8	17.0
Barataria Waterway at Lafitte (USACE82875)	9.8	12.1	14.2	19.3	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.2	10.4	15.0	21.0	26.1	27.0	27.4	26.5	21.3	13.9	11.3
USGS7380251 Barataria Bay North of Grand Isle	8.2	8.9	11.5	16.4	22.0	27.4	28.6	28.9	27.6	22.7	14.9	13.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.2	8.1	11.0	16.0	21.6	27.3	28.6	29.1	27.8	23.2	15.8	13.0
USGS 07380335 - Little Lake Near Cutoff	9.4	8.9	11.6	16.8	22.2	28.0	29.2	29.8	28.4	23.9	16.5	14.3
USGS073802516 Barataria Pass at Grand Isle	10.3	12.8	15.1	19.9	24.3	28.1	29.0	29.5	28.2	23.7	16.2	16.4
HWQ14 - Lake Washington	10.5	13.4	15.6	20.0	24.4	28.3	29.4	29.7	28.4	23.7	15.8	16.6
HWQ16 - Bayou Grand Liard	13.6	12.9	14.6	19.4	24.0	28.1	29.5	30.1	28.8	24.8	18.6	17.5
CRMS 3985	9.3	10.3	12.3	17.8	22.7	27.6	29.1	29.4	28.0	23.2	15.5	14.9
CRMS 0258	8.0	10.2	12.4	17.6	22.3	25.7	26.9	28.4	27.1	22.2	14.1	13.0
CRMS 0224	9.0	9.6	12.2	17.3	22.3	27.4	28.3	28.9	27.5	22.9	15.2	14.5
CRMS 0163	8.5	9.5	11.8	16.7	21.0	25.5	26.6	27.1	26.2	21.4	14.9	12.7
CRMS 0162	7.7	8.6	11.1	16.4	21.3	26.1	27.7	27.7	26.9	21.4	15.2	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.3	-4.6	-4.7	-2.7	-1.1	0.4	-0.3	-0.5	-1.9	0.9	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.3	-0.7	-0.6	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-6.2	-4.5	-4.3	-2.1	-0.7	-0.6	-0.7	-0.5	-0.6	0.4	-3.8
USGS7380251 Barataria Bay North of Grand Isle	-1.4	-4.5	-4.1	-3.1	-1.7	-0.1	-0.1	-0.2	-0.1	-0.1	-0.2	-2.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.5	-6.5	-5.6	-4.4	-2.6	-0.3	-0.1	-0.1	-0.1	-0.2	-0.2	-3.7
USGS 07380335 - Little Lake Near Cutoff	-2.1	-6.2	-5.6	-4.0	-2.6	-0.3	-0.1	0.0	0.0	0.0	-0.1	-3.1
USGS073802516 Barataria Pass at Grand Isle	-0.8	-2.3	-1.9	-0.8	-0.4	0.0	0.0	0.0	0.0	0.0	-0.1	-0.7
HWQ14 - Lake Washington	-0.1	-1.2	-1.2	-0.7	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ16 - Bayou Grand Liard	-0.7	-1.9	-1.6	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.8
CRMS 3985	-0.8	-3.3	-4.0	-2.3	-1.5	-0.2	-0.1	0.0	0.0	0.0	0.0	-1.6
CRMS 0258	-0.3	-1.9	-1.1	-0.3	0.8	0.2	0.0	0.0	0.0	0.0	0.0	-0.6
CRMS 0224	-0.9	-4.8	-4.1	-2.7	-1.5	-0.2	0.0	0.0	0.0	0.0	0.0	-2.0
CRMS 0163	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0
CRMS 0162	0.2	0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 67 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.2	14.9	19.3	23.2	27.2	27.9	28.4	27.2	22.2	13.5	15.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.8	19.2	23.0	26.8	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.4	15.8	19.5	23.7	27.6	28.8	29.1	27.6	22.8	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.6	15.2	17.2	20.8	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.2	17.2	20.5	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.9	28.7	29.2	27.5	22.9	15.3	16.1
CRMS 0258	8.8	12.4	14.8	18.2	21.5	27.1	27.9	28.4	27.1	22.2	13.1	13.9
CRMS 0224	10.0	14.4	16.3	20.1	23.9	27.6	28.4	29.0	27.5	22.9	15.2	16.5
CRMS 0163	8.9	10.1	12.5	17.2	21.0	25.3	26.4	27.0	26.3	21.5	15.0	13.2
CRMS 0162	8.5	9.1	12.2	17.4	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

V3PR7 HYST - cy 1 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	7.4	10.8	15.6	20.8	26.0	28.2	28.0	26.7	20.1	14.4	10.8
CRMS0276 - Just east of Wilkinson Canal	11.8	14.3	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.1	19.6	23.8	27.9	28.8	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	9.0	12.8	17.6	21.6	26.1	26.9	27.3	26.5	21.3	13.8	13.6
USGS7380251 Barataria Bay North of Grand Isle	9.4	10.8	14.3	18.8	23.0	27.5	28.7	29.0	27.6	22.6	14.7	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.6	14.8	19.4	22.7	27.5	28.6	29.1	27.8	23.1	15.7	16.1
USGS 07380335 - Little Lake Near Cutoff	11.3	11.7	15.9	20.2	23.6	28.2	29.2	29.8	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	11.0	14.0	16.8	20.6	24.6	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.6	14.2	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.5	14.5	17.1	20.3	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	12.3	15.7	19.9	23.6	27.9	29.2	29.4	27.9	23.2	15.4	16.2
CRMS 0258	8.8	11.6	14.8	18.2	22.1	27.1	27.9	28.4	27.1	22.2	13.0	13.8
CRMS 0224	9.9	12.3	15.8	19.8	23.6	27.5	28.3	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.9	10.2	12.4	17.2	21.0	25.4	26.5	27.0	26.3	21.4	15.0	13.2
CRMS 0162	8.6	9.3	12.3	17.4	21.5	26.0	27.6	27.7	26.9	21.0	15.2	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.8	-4.1	-3.7	-2.4	-1.2	0.3	-0.4	-0.5	-2.1	0.9	-4.2
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.7	-4.3	-2.1	-1.6	-1.5	-0.8	-0.7	-0.8	-0.5	-0.7	0.3	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-2.6	-1.4	-0.7	-0.8	-0.1	-0.1	-0.1	0.0	-0.1	-0.3	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.7	-4.0	-1.8	-0.9	-1.5	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.6
USGS 07380335 - Little Lake Near Cutoff	-0.3	-3.5	-1.3	-0.6	-1.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-1.2	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	0.0	-0.4	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.8	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	-1.3	-0.5	-0.2	-0.6	0.0	0.5	0.2	0.3	0.3	0.1	0.2
CRMS 0258	-0.1	-0.8	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0224	-0.1	-2.1	-0.4	-0.3	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.1	0.0	0.0	0.0	0.2	0.1	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.1	0.2	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0

Figure WQ TEMP 68 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.7	19.3	23.3	27.2	27.7	28.2	27.2	22.2	13.7	15.2
CRMS0276 - Just east of Wilkinson Canal	11.6	14.0	16.3	20.1	24.2	28.1	29.0	29.5	28.2	23.8	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.3	23.7	27.9	28.9	29.3	27.9	23.2	15.6	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.4	13.3	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.5	28.9	27.6	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.9	14.4	16.5	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.7	18.5
CRMS 3985	10.1	13.6	16.4	20.1	24.2	27.7	29.0	29.3	27.9	23.2	15.6	16.5
CRMS 0258	8.2	12.2	13.3	17.8	21.3	24.6	25.1	25.4	26.5	22.2	14.1	14.8
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.2	9.1	12.0	16.8	20.9	25.4	26.8	27.2	26.3	21.4	15.0	13.3
CRMS 0162	7.1	8.0	11.4	16.5	21.3	26.1	27.9	27.8	26.7	20.9	15.4	12.4

V3PR7 HYST - cy 1 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.1	26.6	20.1	14.7	11.0
CRMS0276 - Just east of Wilkinson Canal	10.5	13.2	16.0	20.0	24.3	28.1	29.1	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.6	11.8	14.6	19.4	23.8	27.9	28.9	29.3	27.9	23.1	15.6	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.1	10.5	15.2	21.0	26.2	28.6	27.8	26.5	21.3	13.9	13.6
USGS7380251 Barataria Bay North of Grand Isle	7.5	8.7	11.8	16.7	22.2	26.8	28.4	28.6	27.5	22.7	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.0	7.9	11.3	16.3	21.9	26.5	28.5	28.7	27.8	23.2	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	7.8	8.6	12.1	17.3	22.7	27.0	28.7	29.3	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	9.7	12.5	15.6	20.1	24.4	28.0	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.3	13.1	16.1	20.2	24.6	28.2	29.3	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	11.9	12.4	15.4	19.6	24.3	28.1	29.4	30.0	28.8	24.8	18.7	18.4
CRMS 3985	8.4	10.0	13.0	18.1	23.0	26.9	28.2	28.7	27.8	23.2	15.5	16.5
CRMS 0258	7.5	9.9	12.8	17.8	22.3	26.1	27.2	26.5	26.5	22.2	14.1	14.8
CRMS 0224	7.9	9.1	13.3	18.0	22.9	27.0	28.1	28.7	27.5	22.9	15.2	16.4
CRMS 0163	8.3	9.3	12.1	16.9	21.0	25.4	26.7	27.1	26.2	21.3	14.9	13.3
CRMS 0162	7.3	8.2	11.6	16.8	21.4	26.1	27.8	27.8	26.7	20.9	15.4	12.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.4	-4.6	-4.7	-2.6	-1.0	1.1	-0.1	-0.6	-2.1	1.0	-4.2
CRMS0276 - Just east of Wilkinson Canal	-1.1	-0.7	-0.2	-0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-6.2	-4.4	-4.1	-2.0	-0.6	1.0	-0.3	-0.5	-0.7	0.4	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-2.1	-4.8	-3.8	-2.8	-1.5	-0.7	-0.1	-0.3	-0.1	-0.1	-0.3	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.7	-6.7	-5.4	-4.0	-2.3	-1.2	-0.2	-0.6	-0.1	-0.2	-0.2	-0.6
USGS 07380335 - Little Lake Near Cutoff	-3.7	-6.5	-5.0	-3.5	-2.1	-1.2	-0.6	-0.6	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.4	-2.6	-1.4	-0.7	-0.3	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.3	-1.5	-0.8	-0.5	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-2.0	-2.0	-1.2	-0.6	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
CRMS 3985	-1.7	-3.6	-3.4	-2.0	-1.2	-0.9	-0.8	-0.6	-0.1	0.0	0.0	0.0
CRMS 0258	-0.6	-2.2	-0.6	0.0	1.0	1.6	2.2	1.1	0.0	0.0	0.0	0.0
CRMS 0224	-2.0	-5.3	-3.0	-2.0	-1.0	-0.6	-0.2	-0.2	0.0	0.0	0.0	-0.1
CRMS 0163	0.1	0.1	0.1	0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
CRMS 0162	0.2	0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0

Figure WQ TEMP 69 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.4	14.7	19.3	23.3	27.2	27.8	28.3	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.4	20.0	24.1	28.1	29.0	29.5	28.2	23.8	16.8	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.4	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.6	15.6	19.5	23.7	27.5	28.5	28.9	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.5	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.6	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.2	17.0	20.8	24.7	28.1	29.1	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.8	16.7	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	17.9
CRMS 3985	10.1	13.6	16.1	20.1	24.1	27.7	29.0	29.4	28.0	23.2	15.6	16.5
CRMS 0258	8.9	13.7	13.5	17.8	21.5	24.8	25.1	26.0	27.1	22.2	14.0	13.2
CRMS 0224	10.0	14.5	16.3	20.0	23.8	27.5	28.3	28.9	27.5	22.9	15.3	16.4
CRMS 0163	8.9	10.7	12.1	16.7	20.9	25.6	26.8	27.1	26.2	21.4	14.9	12.1
CRMS 0162	8.5	10.5	11.4	16.4	21.1	26.0	27.9	27.7	26.7	21.3	15.3	10.8

V3PR7 HYST - cy 1 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	8.3	10.2	14.6	20.7	26.1	28.8	28.1	26.7	20.3	14.6	9.1
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.0	20.0	24.1	28.0	29.1	29.5	28.2	23.8	16.8	16.1
Barataria Waterway at Lafitte (USACE82875)	10.0	13.0	14.6	19.4	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	11.6	10.6	15.0	21.0	26.2	28.6	27.7	26.5	21.4	13.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	12.2	16.5	22.0	26.7	28.4	28.8	27.5	22.7	14.9	11.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	14.0	11.7	16.1	21.6	26.4	28.5	29.0	27.8	23.2	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	11.4	15.0	12.5	17.0	22.2	26.8	28.8	29.8	28.4	23.9	16.5	11.4
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	15.8	20.0	24.3	28.0	29.0	29.5	28.2	23.7	16.2	15.3
HWQ14 - Lake Washington	10.6	14.6	16.2	20.1	24.4	28.1	29.3	29.7	28.4	23.7	15.8	16.0
HWQ16 - Bayou Grand Liard	14.5	15.8	15.7	19.6	24.0	28.0	29.4	30.1	28.8	24.8	18.7	15.9
CRMS 3985	10.1	13.6	13.1	18.0	22.7	26.8	28.2	29.2	27.9	23.2	15.5	12.6
CRMS 0258	8.9	13.6	13.0	17.8	22.3	26.4	27.3	26.2	27.1	22.2	14.0	12.2
CRMS 0224	9.9	14.4	13.6	17.7	22.3	26.7	28.1	28.9	27.5	22.9	15.2	12.4
CRMS 0163	8.9	10.7	12.2	16.8	20.9	25.6	26.8	27.2	26.3	21.4	14.9	12.2
CRMS 0162	8.5	10.5	11.6	16.6	21.2	26.0	27.9	27.8	26.7	21.3	15.3	11.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.0	-4.5	-4.7	-2.7	-1.1	1.1	-0.2	-0.6	-1.9	0.9	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	-0.4	0.0	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	-0.9
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.7	-1.8	-4.2	-4.2	-2.1	-0.7	0.9	-0.5	-0.5	-0.6	0.4	-5.6
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-0.4	-3.4	-3.0	-1.7	-0.8	-0.1	-0.1	-0.1	-0.2	-0.2	-4.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-0.6	-4.9	-4.2	-2.7	-1.2	-0.2	-0.2	-0.1	-0.2	-0.3	-6.3
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-4.6	-3.8	-2.6	-1.4	-0.5	-0.1	0.0	0.0	-0.1	-6.0
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.2	-0.7	-0.4	-0.2	0.0	0.0	0.0	0.0	0.0	-1.9
HWQ14 - Lake Washington	0.0	0.0	-0.7	-0.6	-0.4	-0.3	-0.1	0.0	0.0	0.0	0.0	-0.9
HWQ16 - Bayou Grand Liard	-0.1	0.0	-1.0	-0.6	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-2.0
CRMS 3985	0.0	0.0	-3.0	-2.1	-1.5	-0.9	-0.8	-0.2	-0.1	0.0	-0.1	-3.9
CRMS 0258	-0.1	-0.1	-0.4	-0.1	0.8	1.6	2.2	0.2	0.0	0.0	0.0	-1.1
CRMS 0224	-0.1	-0.1	-2.6	-2.4	-1.5	-0.8	-0.2	-0.1	0.0	0.0	0.0	-4.1
CRMS 0163	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.1
CRMS 0162	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.1	0.0	0.0	0.1	0.2

Figure WQ TEMP 70 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.7	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.6	15.1
CRMS0276 - Just east of Wilkinson Canal	11.7	14.3	16.2	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.3	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.3	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.6	29.1	27.7	22.8	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.5	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.1	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.0	14.8	16.4	20.0	24.3	28.2	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.1	12.1	13.4	17.9	21.5	24.5	26.2	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	29.0	27.5	23.0	15.2	16.5
CRMS 0163	8.2	9.5	11.9	16.5	21.0	25.4	26.6	27.1	26.3	21.3	14.9	13.1
CRMS 0162	7.3	8.5	11.2	16.0	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

V3PR8 HYST - cy 1 - 1975 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	6.8	10.1	14.6	20.7	26.1	28.4	28.1	26.6	20.1	14.6	10.9
CRMS0276 - Just east of Wilkinson Canal	10.8	13.7	15.7	19.9	24.1	28.1	29.1	29.6	28.2	23.8	16.9	17.4
Barataria Waterway at Lafitte (USACE82875)	10.8	14.7	16.6	20.4	24.2	28.1	28.9	29.3	27.9	23.4	15.8	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.2	10.4	15.0	21.0	26.2	27.6	27.5	26.5	21.3	13.8	13.6
USGS7380251 Barataria Bay North of Grand Isle	7.7	9.2	11.7	16.5	22.1	26.8	28.5	29.0	27.6	22.7	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.1	8.2	11.1	15.9	21.6	26.5	28.4	29.1	27.8	23.1	15.7	16.1
USGS 07380335 - Little Lake Near Cutoff	8.2	9.2	11.8	16.7	22.3	27.1	29.0	29.9	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	9.9	13.1	15.4	19.9	24.3	28.1	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.2	13.3	15.6	19.8	24.3	28.2	29.3	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	12.5	13.3	15.0	19.3	24.1	28.1	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	8.4	10.6	12.6	17.8	22.8	27.0	28.8	29.4	27.9	23.2	15.5	16.5
CRMS 0258	7.5	10.4	12.5	17.6	22.3	26.0	26.8	28.4	27.1	22.0	13.9	14.3
CRMS 0224	8.1	10.0	12.6	17.1	22.4	27.1	28.2	28.9	27.5	22.9	15.2	16.4
CRMS 0163	8.0	9.4	11.8	16.4	20.9	25.5	26.6	27.1	26.2	21.1	14.8	12.9
CRMS 0162	7.5	8.9	11.4	16.3	21.4	26.1	27.7	27.7	26.7	20.9	15.2	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.6	-4.7	-2.6	-1.1	0.6	-0.3	-0.6	-2.1	0.9	-4.2
CRMS0276 - Just east of Wilkinson Canal	-0.9	-0.5	-0.5	0.0	-0.1	0.0	0.1	0.1	0.0	0.1	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	1.3	2.6	2.3	1.3	0.6	0.2	0.0	0.1	0.0	0.2	0.3	1.5
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-6.1	-4.4	-4.3	-2.1	-0.6	-0.1	-0.6	-0.5	-0.6	0.3	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-1.8	-4.2	-3.9	-3.1	-1.7	-0.6	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.6	-6.3	-5.6	-4.4	-2.6	-1.1	-0.3	-0.1	-0.1	-0.2	-0.3	-0.6
USGS 07380335 - Little Lake Near Cutoff	-3.3	-5.9	-5.4	-4.0	-2.5	-1.1	-0.3	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.2	-2.0	-1.6	-0.9	-0.4	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.4	-1.3	-1.3	-0.9	-0.5	-0.2	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-1.5	-1.6	-1.4	-0.7	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	-1.7	-3.0	-3.7	-2.3	-1.4	-0.8	-0.3	0.0	0.0	0.0	0.0	0.0
CRMS 0258	-0.7	-1.7	-0.8	-0.3	0.8	1.5	0.6	0.0	0.0	0.0	-0.1	0.0
CRMS 0224	-1.8	-4.4	-3.6	-2.9	-1.4	-0.5	-0.1	0.0	0.0	-0.1	0.0	-0.1
CRMS 0163	-0.2	-0.1	-0.1	-0.1	-0.1	0.1	0.0	-0.1	-0.1	-0.2	-0.1	-0.2
CRMS 0162	0.2	0.4	0.3	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1

Figure WQ TEMP 71 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.8	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	14.2	16.1	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	11.9	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.2	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.7	29.1	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.3	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.3	14.8	16.2	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.3
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.2	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.3	12.1	13.4	17.9	21.5	25.5	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	9.9	14.4	16.3	20.0	23.8	27.5	28.4	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.6	27.1	26.3	21.5	15.0	12.7
CRMS 0162	7.6	8.3	10.9	16.1	21.2	26.1	27.6	27.7	26.9	21.4	15.2	11.7

V3PR8 HYST - cy 1 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.1	28.3	28.0	26.7	20.3	14.6	9.8
CRMS0276 - Just east of Wilkinson Canal	11.5	13.5	15.4	20.0	24.0	28.1	29.1	29.6	28.3	23.8	16.9	17.0
Barataria Waterway at Lafitte (USACE82875)	10.8	14.7	16.5	20.4	24.2	28.1	28.9	29.3	27.9	23.4	15.8	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.2	10.4	15.0	21.0	26.1	27.0	27.4	26.5	21.4	13.9	11.3
USGS7380251 Barataria Bay North of Grand Isle	8.2	8.9	11.5	16.4	22.0	27.4	28.6	28.9	27.6	22.7	14.9	13.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.1	8.0	11.0	15.9	21.6	27.3	28.5	29.1	27.8	23.2	15.8	13.0
USGS 07380335 - Little Lake Near Cutoff	9.4	8.9	11.6	16.8	22.2	28.0	29.2	29.9	28.4	23.9	16.5	14.3
USGS073802516 Barataria Pass at Grand Isle	10.3	12.9	15.2	19.9	24.3	28.1	29.0	29.5	28.2	23.6	16.2	16.4
HWQ14 - Lake Washington	10.4	13.1	15.3	19.8	24.3	28.3	29.3	29.7	28.4	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	13.6	13.0	14.6	19.4	24.0	28.1	29.5	30.1	28.8	24.8	18.7	17.6
CRMS 3985	9.3	10.3	12.4	17.9	22.7	27.6	29.1	29.4	27.9	23.2	15.5	14.9
CRMS 0258	8.0	10.1	12.3	17.6	22.3	25.7	26.9	28.4	27.1	22.2	14.1	13.0
CRMS 0224	9.0	9.6	12.1	17.3	22.3	27.4	28.3	28.9	27.5	22.9	15.2	14.5
CRMS 0163	8.2	9.3	11.7	16.5	20.9	25.4	26.6	27.1	26.2	21.4	14.9	12.8
CRMS 0162	7.8	8.6	11.2	16.4	21.3	26.1	27.7	27.7	26.9	21.4	15.2	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.3	-4.6	-4.7	-2.7	-1.1	0.4	-0.3	-0.5	-1.9	0.9	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.7	-0.7	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	-0.2
Barataria Waterway at Lafitte (USACE82875)	1.0	2.7	2.4	1.2	0.6	0.2	0.0	0.1	0.0	0.1	0.3	1.8
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-6.2	-4.5	-4.3	-2.1	-0.7	-0.6	-0.8	-0.5	-0.6	0.4	-3.8
USGS7380251 Barataria Bay North of Grand Isle	-1.4	-4.5	-4.1	-3.1	-1.7	-0.1	-0.1	-0.2	-0.1	-0.1	-0.3	-2.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.6	-6.5	-5.6	-4.4	-2.6	-0.4	-0.2	-0.1	-0.1	-0.2	-0.3	-3.8
USGS 07380335 - Little Lake Near Cutoff	-2.1	-6.2	-5.6	-4.0	-2.6	-0.3	-0.1	0.0	0.0	0.0	-0.1	-3.1
USGS073802516 Barataria Pass at Grand Isle	-0.8	-2.2	-1.9	-0.8	-0.4	0.0	0.0	0.0	0.0	0.0	-0.1	-0.8
HWQ14 - Lake Washington	-0.2	-1.5	-1.6	-0.9	-0.5	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
HWQ16 - Bayou Grand Liard	-0.7	-1.8	-1.6	-0.6	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.7
CRMS 3985	-0.8	-3.3	-3.9	-2.3	-1.4	-0.2	-0.1	0.0	0.0	0.0	0.0	-1.5
CRMS 0258	-0.3	-2.0	-1.1	-0.3	0.8	0.2	0.1	0.0	0.0	0.0	0.0	-0.6
CRMS 0224	-1.0	-4.8	-4.1	-2.8	-1.5	-0.1	0.0	0.0	0.0	0.0	0.0	-2.0
CRMS 0163	-0.3	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.0	-0.1	-0.1	0.1
CRMS 0162	0.2	0.3	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 72 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.2	14.9	19.3	23.2	27.2	27.9	28.4	27.2	22.2	13.5	15.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.8	19.2	23.0	26.8	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.4	15.8	19.5	23.7	27.6	28.8	29.1	27.6	22.8	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.6	15.2	17.2	20.8	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.2	17.2	20.5	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.9	28.7	29.2	27.5	22.9	15.3	16.1
CRMS 0258	8.8	12.4	14.8	18.2	21.5	27.1	27.9	28.4	27.1	22.2	13.1	13.9
CRMS 0224	10.0	14.4	16.3	20.1	23.9	27.6	28.4	29.0	27.5	22.9	15.2	16.5
CRMS 0163	8.9	10.1	12.5	17.2	21.0	25.3	26.4	27.0	26.3	21.5	15.0	13.2
CRMS 0162	8.5	9.1	12.2	17.4	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

V3PR8 HYST - cy 1 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	7.4	10.8	15.6	20.8	26.0	28.2	27.9	26.7	20.1	14.3	10.6
CRMS0276 - Just east of Wilkinson Canal	11.8	14.5	16.8	20.3	24.3	28.0	29.1	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	10.8	14.7	16.5	20.4	24.2	28.1	28.9	29.3	27.9	23.3	15.8	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	9.0	12.8	17.6	21.5	25.8	26.6	27.2	26.4	21.3	14.0	13.6
USGS7380251 Barataria Bay North of Grand Isle	9.4	10.7	14.4	18.8	23.0	27.5	28.7	28.9	27.6	22.7	14.9	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	10.5	14.7	19.4	22.7	27.4	28.5	29.1	27.8	23.1	15.7	16.1
USGS 07380335 - Little Lake Near Cutoff	11.3	11.7	15.9	20.2	23.6	28.2	29.2	29.8	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	11.0	14.0	16.7	20.6	24.6	28.1	29.0	29.5	28.2	23.6	16.1	17.1
HWQ14 - Lake Washington	10.5	14.1	16.7	20.5	24.7	28.3	29.3	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	14.5	14.5	17.0	20.3	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	12.3	15.7	19.9	23.7	28.0	29.2	29.4	27.9	23.2	15.5	16.4
CRMS 0258	8.8	11.6	14.8	18.2	22.1	27.1	27.8	28.4	27.1	22.2	12.9	13.6
CRMS 0224	9.9	12.3	15.8	19.8	23.6	27.6	28.4	29.0	27.5	22.9	15.2	16.4
CRMS 0163	8.6	9.9	12.3	17.0	20.8	25.0	26.2	26.8	26.2	21.1	14.7	12.9
CRMS 0162	8.6	9.4	12.3	17.4	21.5	26.0	27.5	27.6	27.1	21.0	15.1	12.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.8	-4.1	-3.7	-2.4	-1.2	0.3	-0.4	-0.5	-2.1	0.9	-4.3
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.2	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.7	2.1	1.3	0.7	0.3	0.1	0.1	0.0	0.0	0.2	0.3	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.7	-4.3	-2.1	-1.6	-1.5	-1.1	-1.0	-1.0	-0.6	-0.7	0.5	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-2.7	-1.4	-0.7	-0.7	-0.1	0.0	-0.2	0.0	-0.1	-0.1	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.7	-4.1	-1.9	-0.9	-1.5	-0.2	-0.2	-0.1	-0.1	-0.2	-0.3	-0.7
USGS 07380335 - Little Lake Near Cutoff	-0.3	-3.5	-1.3	-0.6	-1.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-1.2	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.5	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.8	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	0.0	-1.3	-0.5	-0.2	-0.5	0.1	0.6	0.2	0.4	0.3	0.2	0.3
CRMS 0258	-0.1	-0.8	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2
CRMS 0224	-0.1	-2.1	-0.4	-0.2	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	-0.3	-0.2	-0.1	-0.2	-0.2	-0.2	-0.2	-0.2	-0.1	-0.4	-0.3	-0.3
CRMS 0162	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	-0.1

Figure WQ TEMP 73 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.7	19.3	23.3	27.2	27.7	28.2	27.2	22.2	13.7	15.2
CRMS0276 - Just east of Wilkinson Canal	11.6	14.0	16.3	20.1	24.2	28.1	29.0	29.5	28.2	23.8	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.3	23.7	27.9	28.9	29.3	27.9	23.2	15.6	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.4	13.3	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.5	28.9	27.6	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.9	14.4	16.5	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.7	18.5
CRMS 3985	10.1	13.6	16.4	20.1	24.2	27.7	29.0	29.3	27.9	23.2	15.6	16.5
CRMS 0258	8.2	12.2	13.3	17.8	21.3	24.6	25.1	25.4	26.5	22.2	14.1	14.8
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.2	9.1	12.0	16.8	20.9	25.4	26.8	27.2	26.3	21.4	15.0	13.3
CRMS 0162	7.1	8.0	11.4	16.5	21.3	26.1	27.9	27.8	26.7	20.9	15.4	12.4

V3PR8 HYST - cy 1 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.1	26.6	20.1	14.7	10.9
CRMS0276 - Just east of Wilkinson Canal	10.6	13.2	15.9	20.1	24.2	28.1	29.1	29.6	28.2	23.8	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.7	14.5	16.5	20.4	24.2	28.1	28.9	29.3	27.9	23.4	15.8	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.1	10.5	15.2	21.0	26.2	28.6	27.9	26.6	21.3	13.9	13.6
USGS7380251 Barataria Bay North of Grand Isle	7.5	8.7	11.8	16.7	22.2	26.8	28.4	28.6	27.5	22.7	15.0	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.9	7.9	11.2	16.3	21.8	26.5	28.5	28.7	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	7.8	8.6	12.1	17.3	22.7	27.0	28.7	29.3	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	9.7	12.6	15.6	20.1	24.4	28.0	29.0	29.5	28.2	23.7	16.2	17.1
HWQ14 - Lake Washington	10.2	12.7	15.9	20.0	24.5	28.1	29.3	29.6	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	11.9	12.4	15.4	19.6	24.3	28.1	29.4	30.1	28.8	24.8	18.7	18.4
CRMS 3985	8.4	10.0	13.0	18.2	23.0	26.9	28.2	28.7	27.9	23.2	15.5	16.5
CRMS 0258	7.5	9.9	12.7	17.8	22.3	26.2	27.3	26.5	26.5	22.2	14.1	14.8
CRMS 0224	7.9	9.1	13.3	18.0	22.9	26.9	28.1	28.7	27.5	22.9	15.2	16.4
CRMS 0163	8.0	9.1	11.9	16.7	20.9	25.4	26.6	27.1	26.2	21.1	14.8	13.2
CRMS 0162	7.4	8.2	11.6	16.8	21.4	26.1	27.8	27.8	26.7	20.9	15.4	12.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.4	-4.6	-4.7	-2.6	-1.0	1.1	-0.1	-0.6	-2.1	1.0	-4.3
CRMS0276 - Just east of Wilkinson Canal	-1.1	-0.7	-0.3	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	1.3	2.8	2.0	1.1	0.5	0.2	0.0	0.1	0.0	0.2	0.3	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-6.2	-4.4	-4.1	-2.0	-0.6	1.0	-0.3	-0.5	-0.7	0.4	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-2.1	-4.8	-3.8	-2.8	-1.5	-0.7	-0.2	-0.3	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.8	-6.7	-5.4	-4.1	-2.4	-1.2	-0.2	-0.6	-0.1	-0.2	-0.2	-0.6
USGS 07380335 - Little Lake Near Cutoff	-3.7	-6.5	-5.0	-3.5	-2.1	-1.2	-0.5	-0.6	0.0	0.0	-0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.4	-2.5	-1.4	-0.7	-0.3	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.4	-1.9	-1.0	-0.7	-0.4	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-2.0	-2.0	-1.1	-0.6	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
CRMS 3985	-1.7	-3.6	-3.4	-1.9	-1.1	-0.9	-0.8	-0.6	-0.1	0.0	0.0	0.0
CRMS 0258	-0.7	-2.3	-0.6	0.0	1.0	1.6	2.2	1.1	0.0	0.0	0.0	0.0
CRMS 0224	-2.0	-5.3	-3.0	-2.1	-1.0	-0.6	-0.2	-0.2	0.0	0.0	0.0	-0.1
CRMS 0163	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.2	-0.1	-0.1	-0.3	-0.2	-0.2
CRMS 0162	0.3	0.3	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0

Figure WQ TEMP 74 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.4	14.7	19.3	23.3	27.2	27.8	28.3	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.4	20.0	24.1	28.1	29.0	29.5	28.2	23.8	16.8	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.4	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.6	15.6	19.5	23.7	27.5	28.5	28.9	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.5	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.6	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.2	17.0	20.8	24.7	28.1	29.1	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.8	16.7	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	17.9
CRMS 3985	10.1	13.6	16.1	20.1	24.1	27.7	29.0	29.4	28.0	23.2	15.6	16.5
CRMS 0258	8.9	13.7	13.5	17.8	21.5	24.8	25.1	26.0	27.1	22.2	14.0	13.2
CRMS 0224	10.0	14.5	16.3	20.0	23.8	27.5	28.3	28.9	27.5	22.9	15.3	16.4
CRMS 0163	8.9	10.7	12.1	16.7	20.9	25.6	26.8	27.1	26.2	21.4	14.9	12.1
CRMS 0162	8.5	10.5	11.4	16.4	21.1	26.0	27.9	27.7	26.7	21.3	15.3	10.8

V3PR8 HYST - cy 1 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	8.3	10.2	14.6	20.7	26.1	28.8	28.1	26.7	20.3	14.6	9.1
CRMS0276 - Just east of Wilkinson Canal	11.8	15.3	16.0	20.0	24.1	28.0	29.1	29.6	28.2	23.8	16.9	16.1
Barataria Waterway at Lafitte (USACE82875)	10.8	14.8	16.6	20.4	24.1	28.1	28.9	29.3	27.9	23.4	15.8	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	11.6	10.6	15.0	21.0	26.2	28.6	27.7	26.6	21.4	13.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	12.2	16.5	22.0	26.7	28.4	28.8	27.5	22.7	15.0	11.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	14.0	11.6	16.0	21.5	26.4	28.5	29.0	27.8	23.1	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	11.4	15.1	12.5	17.0	22.2	26.9	28.8	29.8	28.4	23.9	16.5	11.5
USGS073802516 Barataria Pass at Grand Isle	11.0	15.1	15.9	20.1	24.3	28.0	29.0	29.5	28.2	23.6	16.2	15.3
HWQ14 - Lake Washington	10.6	14.5	16.0	19.9	24.3	28.0	29.2	29.7	28.4	23.7	15.8	15.8
HWQ16 - Bayou Grand Liard	14.5	15.8	15.7	19.6	24.0	28.0	29.4	30.1	28.8	24.8	18.7	16.0
CRMS 3985	10.1	13.6	13.1	18.1	22.7	26.8	28.2	29.2	27.9	23.2	15.5	12.6
CRMS 0258	8.9	13.6	13.0	17.7	22.3	26.4	27.3	26.2	27.1	22.2	14.0	12.1
CRMS 0224	9.9	14.4	13.6	17.7	22.3	26.7	28.1	28.9	27.5	22.9	15.2	12.3
CRMS 0163	8.5	10.4	12.0	16.6	20.8	25.5	26.8	27.3	26.2	21.3	14.8	12.1
CRMS 0162	8.5	10.4	11.6	16.7	21.2	26.0	27.9	27.8	26.7	21.3	15.3	11.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-5.0	-4.5	-4.7	-2.6	-1.1	1.1	-0.1	-0.6	-1.9	0.9	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	-0.4	0.0	-0.1	-0.1	0.0	0.1	0.1	0.0	0.1	-0.8
Barataria Waterway at Lafitte (USACE82875)	0.7	1.6	2.0	1.1	0.7	0.3	0.0	0.1	0.0	0.2	0.3	2.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.7	-1.8	-4.2	-4.2	-2.1	-0.7	0.9	-0.5	-0.4	-0.6	0.4	-5.6
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-0.3	-3.5	-3.0	-1.7	-0.7	-0.1	-0.1	-0.1	-0.2	-0.2	-4.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-0.6	-4.9	-4.3	-2.7	-1.2	-0.2	-0.3	-0.1	-0.2	-0.3	-6.3
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-4.6	-3.8	-2.6	-1.4	-0.5	-0.1	0.0	0.0	-0.1	-5.9
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.2	-0.7	-0.4	-0.2	0.0	0.0	0.0	0.0	-0.1	-1.9
HWQ14 - Lake Washington	0.0	-0.1	-0.9	-0.8	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.0	-1.1
HWQ16 - Bayou Grand Liard	-0.1	0.0	-1.0	-0.6	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-2.0
CRMS 3985	0.0	0.0	-3.0	-2.1	-1.4	-0.9	-0.8	-0.1	-0.1	0.0	0.0	-3.9
CRMS 0258	-0.1	-0.1	-0.5	-0.1	0.8	1.6	2.2	0.2	0.0	0.0	0.0	-1.1
CRMS 0224	-0.1	-0.1	-2.7	-2.4	-1.6	-0.8	-0.2	-0.1	0.0	0.0	0.0	-4.1
CRMS 0163	-0.3	-0.3	-0.1	-0.1	-0.1	-0.1	0.0	0.2	0.0	-0.1	-0.1	0.0
CRMS 0162	0.0	0.0	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3

Figure WQ TEMP 75 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.7	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.6	15.1
CRMS0276 - Just east of Wilkinson Canal	11.7	14.3	16.2	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	9.5	12.1	14.3	19.1	23.6	27.9	28.9	29.2	27.9	23.1	15.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.3	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.6	29.1	27.7	22.8	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.5	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.1	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.0	14.8	16.4	20.0	24.3	28.2	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.1	12.1	13.4	17.9	21.5	24.5	26.2	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	29.0	27.5	23.0	15.2	16.5
CRMS 0163	8.2	9.5	11.9	16.5	21.0	25.4	26.6	27.1	26.3	21.3	14.9	13.1
CRMS 0162	7.3	8.5	11.2	16.0	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.2

V3PR9 HYST - cy 1 - 1975 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.7	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.6	15.1
CRMS0276 - Just east of Wilkinson Canal	11.8	14.5	16.3	19.9	24.2	28.1	29.0	29.6	28.2	23.8	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.8	14.7	16.5	20.4	24.2	28.1	28.9	29.3	27.9	23.4	15.8	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.3	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.5	19.5	23.7	27.5	28.6	29.1	27.7	22.8	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.5	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	23.9	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.1	14.8	16.3	19.8	24.2	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.1	29.4	28.0	23.1	15.5	16.5
CRMS 0258	8.2	12.1	13.4	17.9	21.4	24.5	26.2	28.4	27.1	22.1	13.9	14.3
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	29.0	27.6	22.9	15.3	16.5
CRMS 0163	7.9	9.4	11.8	16.3	20.9	25.5	26.6	27.1	26.2	21.2	14.7	12.9
CRMS 0162	7.4	8.7	11.3	16.0	21.3	26.1	27.7	27.7	26.7	20.9	15.2	12.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	1.2	2.5	2.2	1.3	0.5	0.2	0.0	0.1	0.0	0.2	0.3	1.5
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	-0.1	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.3	-0.1	-0.1	-0.1	-0.1	0.2	0.0	0.0	0.0	-0.1	-0.1	-0.2
CRMS 0162	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 76 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.8	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	14.2	16.1	20.0	24.2	28.1	29.0	29.6	28.2	23.8	16.8	17.3
Barataria Waterway at Lafitte (USACE82875)	9.8	11.9	14.1	19.2	23.6	27.9	28.9	29.2	27.9	23.2	15.6	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.2	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.7	29.1	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.7	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.3	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.3	14.8	16.2	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	18.3
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.8	29.2	29.4	28.0	23.2	15.5	16.5
CRMS 0258	8.3	12.1	13.4	17.9	21.5	25.5	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	9.9	14.4	16.3	20.0	23.8	27.5	28.4	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.5	9.4	11.8	16.6	21.0	25.5	26.6	27.1	26.3	21.5	15.0	12.7
CRMS 0162	7.6	8.3	10.9	16.1	21.2	26.1	27.6	27.7	26.9	21.4	15.2	11.7

V3PR9 HYST - cy 1 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.1	14.8	19.3	23.3	27.2	27.8	28.4	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	14.4	16.2	20.0	24.1	28.1	29.0	29.6	28.3	23.8	16.9	17.3
Barataria Waterway at Lafitte (USACE82875)	10.8	14.6	16.4	20.4	24.2	28.1	28.9	29.3	27.9	23.4	15.8	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.2	23.1	26.9	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.4	15.6	19.5	23.8	27.5	28.7	29.2	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.6	28.7	29.1	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.2	17.2	20.8	24.8	28.3	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.3	14.7	16.1	20.0	24.2	28.1	29.5	30.1	28.8	24.8	18.7	18.3
CRMS 3985	10.2	13.6	16.3	20.1	24.2	27.8	29.2	29.4	28.0	23.2	15.6	16.5
CRMS 0258	8.3	12.1	13.4	17.9	21.5	25.4	26.9	28.4	27.1	22.2	14.1	13.5
CRMS 0224	10.0	14.4	16.3	20.0	23.9	27.5	28.4	28.9	27.5	23.0	15.3	16.5
CRMS 0163	8.2	9.2	11.6	16.4	20.9	25.4	26.5	27.1	26.2	21.3	14.9	12.7
CRMS 0162	7.7	8.4	11.0	16.2	21.2	26.1	27.6	27.7	26.8	21.4	15.2	11.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	1.0	2.7	2.4	1.2	0.6	0.2	0.0	0.1	0.0	0.2	0.3	1.8
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.3	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	0.0	0.0	-0.2	-0.1	-0.1
CRMS 0162	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Figure WQ TEMP 77 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.2	14.9	19.3	23.2	27.2	27.9	28.4	27.2	22.2	13.5	15.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.7	20.3	24.3	28.1	29.1	29.6	28.2	23.8	16.7	17.4
Barataria Waterway at Lafitte (USACE82875)	10.1	12.6	15.2	19.7	23.8	27.9	28.8	29.2	27.9	23.2	15.5	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.8	19.2	23.0	26.8	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.4	15.8	19.5	23.7	27.6	28.8	29.1	27.6	22.8	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.6	15.2	17.2	20.8	24.8	28.2	29.3	29.8	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.2	17.2	20.5	24.5	28.1	29.5	30.1	28.8	24.8	18.5	18.3
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.9	28.7	29.2	27.5	22.9	15.3	16.1
CRMS 0258	8.8	12.4	14.8	18.2	21.5	27.1	27.9	28.4	27.1	22.2	13.1	13.9
CRMS 0224	10.0	14.4	16.3	20.1	23.9	27.6	28.4	29.0	27.5	22.9	15.2	16.5
CRMS 0163	8.9	10.1	12.5	17.2	21.0	25.3	26.4	27.0	26.3	21.5	15.0	13.2
CRMS 0162	8.5	9.1	12.2	17.4	21.5	26.0	27.5	27.6	26.9	21.0	15.1	12.1

V3PR9 HYST - cy 1 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.1	14.9	19.3	23.2	27.2	27.9	28.4	27.2	22.2	13.5	15.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.8	16.7	20.3	24.3	28.1	29.1	29.6	28.3	23.8	16.9	17.4
Barataria Waterway at Lafitte (USACE82875)	10.8	14.7	16.5	20.4	24.2	28.1	28.9	29.3	27.9	23.4	15.8	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.8	19.2	23.0	26.8	27.6	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.5	15.8	19.5	23.7	27.6	28.7	29.1	27.6	22.8	15.0	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.5	20.3	24.1	27.6	28.6	29.2	27.9	23.3	16.0	16.7
USGS 07380335 - Little Lake Near Cutoff	11.6	15.2	17.2	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.0	20.8	24.7	28.1	29.0	29.5	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.8	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	14.6	15.2	17.1	20.4	24.5	28.1	29.5	30.1	28.8	24.8	18.6	18.4
CRMS 3985	10.2	13.6	16.2	20.1	24.1	27.9	28.7	29.3	27.6	22.9	15.3	16.0
CRMS 0258	8.8	12.4	14.8	18.2	21.5	27.1	27.9	28.4	27.1	22.2	13.1	13.8
CRMS 0224	10.0	14.5	16.3	20.1	23.9	27.6	28.4	29.0	27.6	22.9	15.3	16.5
CRMS 0163	8.7	9.9	12.4	17.1	21.0	25.2	26.4	27.0	26.3	21.3	15.0	13.1
CRMS 0162	8.7	9.4	12.3	17.5	21.5	26.0	27.4	27.6	26.9	21.0	15.1	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.1
Barataria Waterway at Lafitte (USACE82875)	0.7	2.1	1.3	0.7	0.3	0.2	0.1	0.1	0.0	0.2	0.3	1.5
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
CRMS 3985	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.3	-0.2	-0.1	-0.2	0.0	-0.1	0.0	0.0	0.0	-0.2	-0.1	-0.1
CRMS 0162	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 78 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.7	19.3	23.3	27.2	27.7	28.2	27.2	22.2	13.7	15.2
CRMS0276 - Just east of Wilkinson Canal	11.6	14.0	16.3	20.1	24.2	28.1	29.0	29.5	28.2	23.8	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	9.5	11.7	14.5	19.3	23.7	27.9	28.9	29.3	27.9	23.2	15.6	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.4	13.3	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.5	28.9	27.6	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.7	28.7	29.2	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.0	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.9	14.4	16.5	20.2	24.4	28.2	29.5	30.1	28.8	24.8	18.7	18.5
CRMS 3985	10.1	13.6	16.4	20.1	24.2	27.7	29.0	29.3	27.9	23.2	15.6	16.5
CRMS 0258	8.2	12.2	13.3	17.8	21.3	24.6	25.1	25.4	26.5	22.2	14.1	14.8
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.2	9.1	12.0	16.8	20.9	25.4	26.8	27.2	26.3	21.4	15.0	13.3
CRMS 0162	7.1	8.0	11.4	16.5	21.3	26.1	27.9	27.8	26.7	20.9	15.4	12.4

V3PR9 HYST - cy 1 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.3	13.2	14.7	19.3	23.3	27.1	27.7	28.2	27.2	22.2	13.7	15.2
CRMS0276 - Just east of Wilkinson Canal	11.7	14.2	16.4	20.1	24.2	28.1	29.1	29.6	28.2	23.8	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.7	14.5	16.5	20.4	24.2	28.1	28.9	29.3	27.9	23.4	15.8	16.9
USGS2928590900040000 Barataria Waterway South of Lafitte	8.4	13.3	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.4	15.6	19.5	23.7	27.5	28.6	28.9	27.6	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.6	20.3	24.2	27.6	28.6	29.3	27.9	23.4	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	17.2	20.8	24.8	28.2	29.2	29.9	28.4	24.0	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.1	15.1	17.1	20.8	24.7	28.1	29.1	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.3	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.0	14.3	16.5	20.1	24.4	28.1	29.5	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.1	13.6	16.4	20.1	24.2	27.8	29.1	29.3	28.0	23.2	15.6	16.5
CRMS 0258	8.2	12.1	13.4	17.8	21.3	24.6	25.2	25.4	26.5	22.2	14.1	14.8
CRMS 0224	9.9	14.4	16.3	20.0	23.9	27.5	28.3	28.9	27.5	22.9	15.3	16.5
CRMS 0163	7.9	9.0	11.9	16.6	20.8	25.4	26.8	27.1	26.2	21.1	14.9	13.2
CRMS 0162	7.2	8.1	11.5	16.6	21.3	26.1	27.8	27.7	26.7	20.9	15.4	12.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	1.2	2.8	2.0	1.1	0.5	0.2	0.0	0.1	0.0	0.2	0.3	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.3	-0.2	-0.1	-0.1	-0.1	0.1	0.0	-0.1	-0.1	-0.3	-0.1	-0.1
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1

Figure WQ TEMP 79 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.4	14.7	19.3	23.3	27.2	27.8	28.3	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	15.1	16.4	20.0	24.1	28.1	29.0	29.5	28.2	23.8	16.8	16.9
Barataria Waterway at Lafitte (USACE82875)	10.1	13.1	14.6	19.3	23.5	27.8	28.9	29.3	27.9	23.2	15.5	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.4	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.6	15.6	19.5	23.7	27.5	28.5	28.9	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.5	20.3	24.2	27.7	28.7	29.2	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.6	15.3	17.1	20.8	24.8	28.2	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.2	17.0	20.8	24.7	28.1	29.1	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.8	16.7	20.1	24.3	28.1	29.5	30.1	28.8	24.8	18.7	17.9
CRMS 3985	10.1	13.6	16.1	20.1	24.1	27.7	29.0	29.4	28.0	23.2	15.6	16.5
CRMS 0258	8.9	13.7	13.5	17.8	21.5	24.8	25.1	26.0	27.1	22.2	14.0	13.2
CRMS 0224	10.0	14.5	16.3	20.0	23.8	27.5	28.3	28.9	27.5	22.9	15.3	16.4
CRMS 0163	8.9	10.7	12.1	16.7	20.9	25.6	26.8	27.1	26.2	21.4	14.9	12.1
CRMS 0162	8.5	10.5	11.4	16.4	21.1	26.0	27.9	27.7	26.7	21.3	15.3	10.8

V3PR9 HYST - cy 1 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.4	14.7	19.3	23.3	27.2	27.7	28.2	27.2	22.2	13.7	14.9
CRMS0276 - Just east of Wilkinson Canal	11.8	15.2	16.5	20.0	24.1	28.1	29.0	29.6	28.2	23.8	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.8	14.8	16.5	20.4	24.2	28.1	28.9	29.3	27.9	23.4	15.8	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.3	13.3	14.9	19.2	23.1	26.9	27.7	28.1	27.0	22.0	13.5	15.1
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.7	19.5	23.7	27.5	28.5	28.9	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.6	16.5	20.3	24.2	27.6	28.7	29.2	27.9	23.3	16.0	16.8
USGS 07380335 - Little Lake Near Cutoff	11.6	15.3	17.1	20.8	24.8	28.3	29.3	29.9	28.4	23.9	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.1	15.2	17.0	20.8	24.7	28.1	29.1	29.6	28.2	23.7	16.2	17.2
HWQ14 - Lake Washington	10.6	14.6	16.8	20.7	24.8	28.3	29.3	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	15.8	16.6	20.1	24.2	28.1	29.5	30.1	28.8	24.8	18.8	18.0
CRMS 3985	10.2	13.6	16.1	20.1	24.1	27.7	29.1	29.4	28.0	23.2	15.6	16.5
CRMS 0258	8.9	13.7	13.5	17.8	21.5	24.8	25.1	26.0	27.1	22.2	14.0	13.2
CRMS 0224	10.0	14.5	16.3	20.1	23.9	27.5	28.3	28.9	27.5	22.9	15.3	16.5
CRMS 0163	8.6	10.5	12.0	16.5	20.9	25.5	26.8	27.1	26.2	21.3	14.8	12.0
CRMS 0162	8.6	10.7	11.5	16.5	21.1	26.0	27.9	27.7	26.7	21.2	15.3	11.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.7	1.7	2.0	1.1	0.7	0.3	0.0	0.1	0.0	0.2	0.3	2.3
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.2	-0.2	-0.1	-0.1	0.0	-0.1	0.0	0.1	0.0	-0.1	-0.1	-0.1
CRMS 0162	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.1

Figure WQ TEMP 80 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.3	13.6	15.3
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.2	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.8	16.7
Barataria Waterway at Lafitte (USACE82875)	9.6	12.6	14.2	19.2	23.8	28.0	29.0	29.5	28.1	23.4	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.5	15.7	19.7	23.9	27.5	28.7	29.1	27.7	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.0	15.2	16.4	20.1	24.5	28.2	29.6	30.1	28.9	24.9	18.5	17.7
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.7	29.1	29.2	27.8	23.0	15.4	16.2
CRMS 0258	8.5	12.6	14.0	18.5	22.0	25.2	27.6	28.5	27.2	22.0	13.2	14.1
CRMS 0224	10.1	14.5	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.1	27.4	27.8	26.8	21.6	15.0	11.2
CRMS 0162	7.4	9.3	11.1	16.3	21.5	26.1	28.1	28.2	27.4	22.2	15.4	10.4

V3PR2 HYST - cy 2 - 1985 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	7.1	10.2	14.6	20.7	26.1	28.2	27.8	26.5	19.8	14.5	9.0
CRMS0276 - Just east of Wilkinson Canal	11.4	14.7	16.4	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.7	16.8
Barataria Waterway at Lafitte (USACE82875)	9.6	12.5	14.1	19.1	23.8	28.0	29.1	29.5	28.1	23.3	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	8.9	10.6	15.5	21.3	26.3	27.2	27.6	26.5	20.8	14.1	9.6
USGS7380251 Barataria Bay North of Grand Isle	8.3	11.6	12.9	18.0	23.1	27.3	28.6	28.9	27.6	22.6	14.7	12.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.3	12.1	12.7	18.1	23.1	27.4	28.7	29.2	27.9	23.2	15.1	12.4
USGS 07380335 - Little Lake Near Cutoff	10.1	13.7	14.3	19.3	24.0	28.0	29.3	29.9	28.4	23.9	16.1	14.3
USGS073802516 Barataria Pass at Grand Isle	10.6	14.7	16.3	20.5	24.6	28.1	29.1	29.6	28.3	23.7	16.1	16.1
HWQ14 - Lake Washington	10.5	14.4	16.5	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.6
HWQ16 - Bayou Grand Liard	13.3	15.1	16.5	20.3	24.6	28.2	29.6	30.1	28.8	24.8	18.2	17.3
CRMS 3985	9.4	13.0	14.4	19.3	23.6	27.4	28.9	29.3	27.8	23.1	15.2	14.4
CRMS 0258	8.0	12.2	13.8	18.4	22.1	25.3	27.6	28.5	27.2	22.0	13.1	13.3
CRMS 0224	8.9	13.4	14.9	19.4	23.5	27.4	28.3	28.9	27.6	22.9	15.0	14.4
CRMS 0163	7.9	9.3	11.4	16.4	21.4	26.1	27.4	27.8	26.9	21.5	15.0	11.2
CRMS 0162	7.5	9.3	11.1	16.3	21.5	26.2	28.2	28.2	27.4	22.1	15.4	10.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.1	-4.9	-4.9	-2.8	-1.2	0.2	-0.7	-0.9	-2.5	0.9	-6.3
CRMS0276 - Just east of Wilkinson Canal	-0.4	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.4	-4.6	-4.5	-4.0	-2.0	-0.8	-0.7	-0.7	-0.7	-1.4	0.4	-5.8
USGS7380251 Barataria Bay North of Grand Isle	-1.3	-1.9	-2.8	-1.7	-0.8	-0.2	-0.1	-0.1	-0.1	-0.2	-0.3	-3.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.6	-2.5	-3.9	-2.2	-1.1	-0.4	-0.1	0.0	-0.1	-0.2	-1.0	-4.5
USGS 07380335 - Little Lake Near Cutoff	-1.5	-1.4	-2.9	-1.4	-0.8	-0.3	0.0	0.0	0.0	0.0	-0.5	-3.2
USGS073802516 Barataria Pass at Grand Isle	-0.7	-0.4	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3	-1.2
HWQ14 - Lake Washington	-0.2	-0.2	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4
HWQ16 - Bayou Grand Liard	-0.7	-0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.3	-0.4
CRMS 3985	-0.8	-0.6	-1.9	-0.8	-0.5	-0.3	-0.1	0.1	0.0	0.1	-0.2	-1.8
CRMS 0258	-0.5	-0.4	-0.3	-0.1	0.1	0.2	0.0	0.0	0.0	0.0	-0.1	-0.7
CRMS 0224	-1.2	-1.0	-1.4	-0.6	-0.3	-0.1	-0.1	0.0	0.0	-0.1	-0.4	-2.1
CRMS 0163	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 81 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.4	13.9	15.2
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.2	20.1	24.3	28.2	29.1	29.7	28.3	23.9	16.9	17.4
Barataria Waterway at Lafitte (USACE82875)	10.0	12.0	14.2	19.1	23.6	28.0	29.0	29.5	28.1	23.5	15.9	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.5	23.4	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.6	23.9	27.5	28.6	29.0	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.5	14.8	16.3	20.1	24.4	28.1	29.6	30.1	28.8	24.9	18.7	18.4
CRMS 3985	10.2	13.6	16.2	20.1	24.1	27.7	29.1	29.3	27.9	23.1	15.5	16.4
CRMS 0258	8.6	12.6	14.1	18.5	22.1	26.0	27.2	28.5	27.2	22.3	14.3	14.1
CRMS 0224	10.1	14.4	16.3	20.0	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.6	8.8	11.5	16.4	21.3	26.1	27.5	27.9	26.9	21.9	15.3	12.2
CRMS 0162	8.1	8.6	11.1	16.3	21.3	26.1	28.1	28.1	27.5	23.0	16.1	11.5

V3PR2 HYST - cy 2 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.9	28.1	27.8	26.6	20.1	14.8	9.7
CRMS0276 - Just east of Wilkinson Canal	11.8	14.3	16.4	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.9	17.3
Barataria Waterway at Lafitte (USACE82875)	10.0	11.9	14.1	19.1	23.6	28.0	29.1	29.5	28.1	23.4	15.9	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.6	10.6	15.4	21.2	26.2	27.2	27.6	26.5	21.2	13.6	11.6
USGS7380251 Barataria Bay North of Grand Isle	8.7	10.8	12.9	17.9	23.0	27.4	28.6	28.9	27.6	22.7	14.9	14.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	10.5	12.7	18.1	22.9	27.6	28.7	29.2	27.9	23.3	15.9	14.8
USGS 07380335 - Little Lake Near Cutoff	11.0	12.3	14.2	19.3	23.7	28.1	29.3	29.9	28.4	24.0	16.6	16.3
USGS073802516 Barataria Pass at Grand Isle	10.9	14.1	16.3	20.5	24.6	28.1	29.1	29.6	28.3	23.7	16.3	16.9
HWQ14 - Lake Washington	10.6	14.2	16.5	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	14.2	14.6	16.4	20.3	24.5	28.1	29.6	30.1	28.9	24.9	18.6	18.2
CRMS 3985	9.9	12.4	14.3	19.2	23.5	27.6	29.0	29.3	27.8	23.1	15.5	15.9
CRMS 0258	8.5	11.9	13.7	18.4	22.3	26.0	27.2	28.5	27.2	22.3	14.3	13.9
CRMS 0224	9.7	12.6	14.8	19.4	23.4	27.4	28.3	28.9	27.6	22.9	15.4	15.6
CRMS 0163	8.6	8.8	11.4	16.4	21.3	26.1	27.4	27.9	26.9	21.9	15.3	12.3
CRMS 0162	8.1	8.6	11.1	16.2	21.3	26.1	28.1	28.1	27.5	22.9	16.2	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.5	-4.9	-4.9	-2.8	-1.4	0.2	-0.7	-0.8	-2.3	0.9	-5.5
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.9	-5.9	-4.5	-4.0	-2.2	-0.9	-0.7	-0.7	-0.7	-1.1	-0.2	-3.7
USGS7380251 Barataria Bay North of Grand Isle	-1.0	-2.7	-2.8	-1.7	-0.9	-0.1	-0.1	-0.1	-0.1	-0.1	-0.3	-1.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.5	-4.1	-4.0	-2.3	-1.4	-0.2	-0.1	0.0	-0.1	-0.1	-0.2	-2.1
USGS 07380335 - Little Lake Near Cutoff	-0.7	-2.8	-3.0	-1.4	-1.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-1.2
USGS073802516 Barataria Pass at Grand Isle	-0.4	-1.0	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ14 - Lake Washington	-0.1	-0.4	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.3	-0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.3	-1.2	-1.9	-0.8	-0.6	-0.1	-0.1	0.0	-0.1	0.0	0.0	-0.5
CRMS 0258	-0.2	-0.7	-0.3	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
CRMS 0224	-0.5	-1.8	-1.5	-0.6	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	-0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0

Figure WQ TEMP 82 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.3	15.1	19.5	23.4	27.3	28.0	28.5	27.4	22.4	13.7	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	14.7	16.7	20.4	24.4	28.2	29.2	29.7	28.4	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.4	15.8	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.4	23.3	27.0	27.8	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.5	15.9	19.6	23.8	27.6	28.7	29.0	27.6	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.2	27.7	28.7	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.2	17.2	20.8	24.8	28.2	29.3	29.9	28.5	24.0	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	15.4	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.6	18.5
CRMS 3985	10.2	13.6	16.1	20.1	24.2	27.8	28.5	29.1	27.5	22.8	15.2	15.9
CRMS 0258	9.0	12.9	15.0	18.7	22.1	27.3	28.0	28.5	27.2	22.3	13.5	14.4
CRMS 0224	10.2	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.6	23.0	15.4	16.5
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.0	27.3	27.8	27.0	21.6	15.2	12.7
CRMS 0162	9.3	9.2	12.3	17.5	21.6	26.2	28.0	28.3	27.4	22.4	15.6	11.8

V3PR2 HYST - cy 2 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.3	10.7	15.4	20.7	25.8	28.1	27.8	26.7	19.9	14.7	10.6
CRMS0276 - Just east of Wilkinson Canal	12.0	14.7	16.8	20.4	24.4	28.2	29.2	29.7	28.3	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.3	15.8	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	9.3	12.9	17.7	21.7	26.2	27.1	27.6	26.5	21.1	13.6	13.7
USGS7380251 Barataria Bay North of Grand Isle	9.5	11.8	14.9	19.2	23.4	27.5	28.7	28.9	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	12.4	15.7	19.9	23.5	27.6	28.7	29.2	27.9	23.3	15.9	16.4
USGS 07380335 - Little Lake Near Cutoff	11.7	13.9	16.8	20.5	24.3	28.2	29.3	29.9	28.4	24.0	16.6	17.3
USGS073802516 Barataria Pass at Grand Isle	11.2	14.5	17.0	20.7	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.7	14.4	16.8	20.6	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.7	15.1	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.5	18.4
CRMS 3985	10.1	13.1	16.1	20.0	23.9	27.8	29.1	29.3	27.9	23.1	15.4	16.4
CRMS 0258	9.0	12.5	15.0	18.7	22.2	27.3	28.0	28.5	27.2	22.3	13.4	14.3
CRMS 0224	10.1	13.6	16.2	20.0	23.7	27.5	28.4	28.9	27.6	22.9	15.4	16.4
CRMS 0163	9.1	9.6	12.1	17.2	21.6	26.1	27.3	27.8	27.0	21.6	15.2	12.6
CRMS 0162	9.2	9.3	12.3	17.4	21.6	26.1	28.1	28.3	27.4	22.1	15.6	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-6.0	-4.5	-4.1	-2.7	-1.5	0.1	-0.7	-0.7	-2.5	1.0	-4.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.0	-4.2	-2.2	-1.7	-1.6	-0.9	-0.7	-0.7	-0.7	-1.1	-0.1	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-1.7	-1.0	-0.5	-0.4	-0.1	0.0	-0.1	0.0	-0.1	-0.3	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-2.3	-0.9	-0.5	-0.7	-0.1	0.0	-0.1	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.3	-0.4	-0.2	-0.4	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.6	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	0.0	-0.4	0.0	-0.1	-0.3	-0.1	0.6	0.2	0.4	0.3	0.3	0.4
CRMS 0258	-0.1	-0.4	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0224	-0.1	-0.9	-0.1	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0162	-0.1	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.1

Figure WQ TEMP 83 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.4
CRMS0276 - Just east of Wilkinson Canal	11.8	14.0	16.3	20.2	24.4	28.2	29.1	29.7	28.3	23.9	16.9	17.6
Barataria Waterway at Lafitte (USACE82875)	9.8	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.4	15.9	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.7	23.8	27.5	28.5	28.9	27.7	22.8	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.7	16.7	20.4	24.3	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.1	14.5	16.6	20.3	24.5	28.2	29.6	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.7	28.9	29.2	27.9	23.1	15.5	16.5
CRMS 0258	8.5	12.7	14.0	18.5	22.0	25.3	25.9	26.3	26.8	22.4	14.3	15.1
CRMS 0224	10.1	14.4	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.2	8.6	11.7	16.6	21.3	26.0	27.6	27.9	26.8	21.6	15.2	12.8
CRMS 0162	7.5	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.2	22.1	16.3	12.4

V3PR2 HYST - cy 2 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.1	26.4	19.9	14.9	10.7
CRMS0276 - Just east of Wilkinson Canal	11.5	14.2	16.5	20.2	24.4	28.2	29.2	29.6	28.3	23.9	16.9	17.6
Barataria Waterway at Lafitte (USACE82875)	9.8	11.6	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.3	15.9	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.5	10.7	15.7	21.2	26.1	28.1	27.7	26.5	21.1	13.6	13.7
USGS7380251 Barataria Bay North of Grand Isle	8.4	10.6	13.3	18.1	23.1	27.2	28.4	28.7	27.6	22.7	14.9	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.5	10.2	13.2	18.3	23.1	27.1	28.4	28.9	28.0	23.3	15.9	16.5
USGS 07380335 - Little Lake Near Cutoff	10.4	12.1	14.8	19.5	24.0	27.8	29.0	29.6	28.5	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	10.7	13.9	16.5	20.5	24.6	28.1	29.1	29.6	28.3	23.8	16.3	17.1
HWQ14 - Lake Washington	10.5	14.1	16.6	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.5	14.4	16.7	20.3	24.6	28.2	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	9.5	12.2	14.8	19.4	23.7	27.2	28.4	28.8	27.8	23.1	15.5	16.4
CRMS 0258	8.1	11.9	13.8	18.4	22.1	25.6	26.5	26.5	26.8	22.3	14.3	15.1
CRMS 0224	9.1	12.4	15.2	19.5	23.5	27.2	28.1	28.8	27.6	22.9	15.4	16.4
CRMS 0163	8.2	8.6	11.7	16.7	21.4	26.1	27.6	27.9	26.8	21.6	15.3	12.9
CRMS 0162	7.6	8.3	11.5	16.6	21.4	26.1	28.2	28.0	27.1	21.9	16.3	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.5	-4.9	-4.8	-2.8	-1.2	0.9	-0.3	-0.9	-2.5	1.0	-4.7
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-6.0	-4.4	-3.8	-2.1	-1.0	0.2	-0.6	-0.7	-1.1	-0.2	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-1.2	-2.9	-2.5	-1.6	-0.7	-0.3	-0.1	-0.2	-0.1	-0.2	-0.3	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.4	-4.4	-3.5	-2.1	-1.2	-0.7	-0.4	-0.4	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.3	-3.0	-2.4	-1.2	-0.8	-0.5	-0.3	-0.2	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.7	-1.2	-0.7	-0.3	-0.1	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.5	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.6	-0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.6	-1.4	-1.5	-0.7	-0.5	-0.4	-0.6	-0.4	-0.1	0.0	0.0	-0.1
CRMS 0258	-0.4	-0.8	-0.2	-0.1	0.1	0.3	0.7	0.2	0.0	0.0	0.0	0.0
CRMS 0224	-1.1	-2.0	-1.1	-0.5	-0.3	-0.2	-0.2	-0.1	0.0	0.0	-0.1	-0.1
CRMS 0163	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.2

Figure WQ TEMP 84 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.5	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	15.2	16.5	20.1	24.3	28.2	29.1	29.6	28.3	23.9	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.1	14.6	19.2	23.5	27.9	29.1	29.5	28.1	23.4	15.9	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.4	27.2	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.7	19.6	23.9	27.5	28.5	28.9	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.3	27.8	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.3	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.7	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.8	15.9	16.8	20.2	24.4	28.1	29.6	30.2	28.8	24.9	18.8	18.1
CRMS 3985	10.2	13.6	16.1	20.1	24.1	27.6	28.9	29.2	27.9	23.1	15.6	16.4
CRMS 0258	9.1	13.9	14.0	18.5	22.1	25.5	25.9	26.7	27.2	22.4	14.2	13.9
CRMS 0224	10.2	14.6	16.3	20.1	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	9.1	10.2	11.7	16.5	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.5
CRMS 0162	9.1	10.5	11.5	16.5	21.2	26.0	28.3	28.0	27.3	23.1	16.2	10.8

V3PR2 HYST - cy 2 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	8.1	10.2	14.6	20.7	26.1	28.8	28.0	26.5	20.0	14.8	9.1
CRMS0276 - Just east of Wilkinson Canal	11.9	15.2	16.6	20.2	24.3	28.2	29.2	29.6	28.3	23.9	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.0	14.5	19.2	23.4	27.8	29.1	29.5	28.1	23.4	15.9	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	11.5	10.9	15.5	21.2	26.2	28.1	27.7	26.5	21.2	13.6	9.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	13.5	18.0	23.0	27.1	28.4	28.8	27.6	22.7	14.9	13.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.3	13.4	18.2	22.8	27.0	28.4	29.2	28.0	23.3	15.9	12.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	14.9	19.5	23.7	27.7	29.0	29.9	28.4	24.0	16.6	14.8
USGS073802516 Barataria Pass at Grand Isle	11.2	15.1	16.6	20.5	24.6	28.1	29.1	29.6	28.3	23.7	16.3	16.3
HWQ14 - Lake Washington	10.7	14.6	16.7	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.7
HWQ16 - Bayou Grand Liard	14.6	15.8	16.9	20.3	24.5	28.2	29.6	30.2	28.8	24.9	18.7	17.7
CRMS 3985	10.1	13.6	14.7	19.4	23.5	27.2	28.4	29.1	27.8	23.1	15.5	14.8
CRMS 0258	9.0	13.8	13.9	18.4	22.3	25.9	26.6	26.8	27.2	22.3	14.2	13.4
CRMS 0224	10.1	14.4	15.4	19.5	23.4	27.1	28.1	28.9	27.6	22.9	15.4	14.8
CRMS 0163	9.1	10.1	11.7	16.6	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.7
CRMS 0162	9.1	10.2	11.5	16.5	21.2	26.0	28.3	28.0	27.2	23.0	16.2	10.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-5.5	-4.8	-4.8	-2.8	-1.2	0.9	-0.4	-0.9	-2.4	0.9	-6.1
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-2.0	-4.2	-4.0	-2.2	-1.0	0.2	-0.7	-0.7	-1.1	-0.1	-5.5
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-0.4	-2.2	-1.6	-0.9	-0.4	-0.1	-0.1	-0.1	-0.2	-0.3	-2.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-0.4	-3.2	-2.1	-1.4	-0.7	-0.4	-0.2	0.0	-0.1	-0.2	-4.0
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-2.3	-1.3	-1.1	-0.6	-0.3	0.0	0.0	0.0	-0.1	-2.6
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.5	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.9
HWQ14 - Lake Washington	0.0	-0.1	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
CRMS 3985	0.0	0.0	-1.4	-0.7	-0.6	-0.4	-0.5	-0.1	-0.1	0.0	0.0	-1.6
CRMS 0258	-0.1	-0.1	-0.1	-0.1	0.1	0.4	0.7	0.1	0.0	0.0	0.0	-0.5
CRMS 0224	-0.1	-0.1	-0.9	-0.6	-0.4	-0.3	-0.2	-0.1	0.0	0.0	0.0	-1.7
CRMS 0163	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	0.0	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0

Figure WQ TEMP 85 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.3	13.6	15.3
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.2	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.8	16.7
Barataria Waterway at Lafitte (USACE82875)	9.6	12.6	14.2	19.2	23.8	28.0	29.0	29.5	28.1	23.4	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.5	15.7	19.7	23.9	27.5	28.7	29.1	27.7	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.0	15.2	16.4	20.1	24.5	28.2	29.6	30.1	28.9	24.9	18.5	17.7
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.7	29.1	29.2	27.8	23.0	15.4	16.2
CRMS 0258	8.5	12.6	14.0	18.5	22.0	25.2	27.6	28.5	27.2	22.0	13.2	14.1
CRMS 0224	10.1	14.5	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.1	27.4	27.8	26.8	21.6	15.0	11.2
CRMS 0162	7.4	9.3	11.1	16.3	21.5	26.1	28.1	28.2	27.4	22.2	15.4	10.4

V3PR3 HYST - cy 2 - 1985 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	7.1	10.1	14.6	20.7	26.0	28.2	27.7	26.5	19.8	14.6	9.0
CRMS0276 - Just east of Wilkinson Canal	11.4	14.7	16.4	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.7	16.8
Barataria Waterway at Lafitte (USACE82875)	9.6	12.5	14.2	19.1	23.8	28.0	29.1	29.5	28.1	23.3	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	9.0	10.8	15.7	21.5	26.4	27.4	27.8	26.6	21.0	14.1	9.8
USGS7380251 Barataria Bay North of Grand Isle	8.2	11.6	12.9	18.0	23.1	27.3	28.6	28.9	27.6	22.6	14.7	12.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.3	12.1	12.7	18.2	23.1	27.4	28.7	29.2	27.9	23.2	15.1	12.4
USGS 07380335 - Little Lake Near Cutoff	10.1	13.7	14.3	19.4	24.0	28.0	29.3	29.9	28.4	23.9	16.1	14.3
USGS073802516 Barataria Pass at Grand Isle	10.5	14.7	16.3	20.5	24.6	28.1	29.1	29.6	28.3	23.7	16.1	16.1
HWQ14 - Lake Washington	10.5	14.4	16.5	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	13.3	15.1	16.4	20.3	24.6	28.2	29.6	30.1	28.8	24.8	18.2	17.3
CRMS 3985	9.4	13.0	14.3	19.2	23.6	27.4	28.9	29.3	27.8	23.1	15.2	14.4
CRMS 0258	8.0	12.2	13.7	18.4	22.1	25.3	27.6	28.5	27.2	22.0	13.1	13.3
CRMS 0224	8.9	13.4	14.8	19.4	23.6	27.4	28.3	28.9	27.6	22.9	15.0	14.4
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.2	27.4	27.8	26.9	21.5	15.0	11.2
CRMS 0162	7.5	9.3	11.1	16.3	21.5	26.1	28.1	28.2	27.4	22.2	15.4	10.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.1	-4.9	-4.9	-2.8	-1.3	0.2	-0.8	-0.9	-2.5	1.0	-6.3
CRMS0276 - Just east of Wilkinson Canal	-0.4	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-4.5	-4.3	-3.7	-1.8	-0.6	-0.5	-0.5	-0.6	-1.3	0.5	-5.6
USGS7380251 Barataria Bay North of Grand Isle	-1.4	-1.9	-2.9	-1.7	-0.8	-0.2	-0.1	-0.1	0.0	-0.2	-0.3	-3.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.6	-2.5	-4.0	-2.2	-1.1	-0.4	-0.1	0.0	-0.1	-0.2	-1.0	-4.5
USGS 07380335 - Little Lake Near Cutoff	-1.6	-1.4	-2.9	-1.4	-0.8	-0.3	0.0	0.0	0.0	0.0	-0.5	-3.2
USGS073802516 Barataria Pass at Grand Isle	-0.8	-0.4	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3	-1.2
HWQ14 - Lake Washington	-0.2	-0.2	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4
HWQ16 - Bayou Grand Liard	-0.7	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.3	-0.4
CRMS 3985	-0.8	-0.6	-1.9	-0.8	-0.5	-0.3	-0.1	0.1	0.0	0.1	-0.2	-1.8
CRMS 0258	-0.5	-0.4	-0.3	-0.1	0.1	0.2	0.0	0.0	0.0	0.0	-0.1	-0.7
CRMS 0224	-1.3	-1.0	-1.4	-0.6	-0.3	-0.1	-0.1	0.0	0.0	-0.1	-0.4	-2.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 86 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.4	13.9	15.2
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.2	20.1	24.3	28.2	29.1	29.7	28.3	23.9	16.9	17.4
Barataria Waterway at Lafitte (USACE82875)	10.0	12.0	14.2	19.1	23.6	28.0	29.0	29.5	28.1	23.5	15.9	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.5	23.4	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.6	23.9	27.5	28.6	29.0	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.5	14.8	16.3	20.1	24.4	28.1	29.6	30.1	28.8	24.9	18.7	18.4
CRMS 3985	10.2	13.6	16.2	20.1	24.1	27.7	29.1	29.3	27.9	23.1	15.5	16.4
CRMS 0258	8.6	12.6	14.1	18.5	22.1	26.0	27.2	28.5	27.2	22.3	14.3	14.1
CRMS 0224	10.1	14.4	16.3	20.0	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.6	8.8	11.5	16.4	21.3	26.1	27.5	27.9	26.9	21.9	15.3	12.2
CRMS 0162	8.1	8.6	11.1	16.3	21.3	26.1	28.1	28.1	27.5	23.0	16.1	11.5

V3PR3 HYST - cy 2 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.9	28.1	27.7	26.5	20.1	14.9	9.8
CRMS0276 - Just east of Wilkinson Canal	11.8	14.3	16.4	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.9	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	12.0	14.2	19.1	23.6	28.0	29.1	29.5	28.1	23.4	15.9	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.8	10.8	15.7	21.4	26.4	27.4	27.8	26.6	21.3	13.4	11.5
USGS7380251 Barataria Bay North of Grand Isle	8.7	10.8	12.9	17.9	23.0	27.4	28.6	28.9	27.6	22.7	14.9	14.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	10.5	12.7	18.1	22.8	27.6	28.7	29.2	27.9	23.3	15.9	14.8
USGS 07380335 - Little Lake Near Cutoff	11.0	12.3	14.2	19.3	23.7	28.1	29.3	29.9	28.4	24.0	16.6	16.3
USGS073802516 Barataria Pass at Grand Isle	10.9	14.1	16.3	20.5	24.6	28.1	29.1	29.6	28.3	23.7	16.3	16.9
HWQ14 - Lake Washington	10.6	14.2	16.5	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	14.2	14.6	16.4	20.3	24.5	28.2	29.6	30.1	28.9	24.9	18.6	18.2
CRMS 3985	9.9	12.4	14.3	19.2	23.5	27.6	28.9	29.3	27.8	23.1	15.5	15.9
CRMS 0258	8.5	11.9	13.7	18.4	22.3	26.0	27.2	28.5	27.2	22.3	14.3	13.9
CRMS 0224	9.6	12.6	14.8	19.4	23.4	27.4	28.3	28.9	27.6	22.9	15.4	15.6
CRMS 0163	8.5	8.8	11.5	16.4	21.3	26.2	27.5	27.9	26.9	21.9	15.4	12.4
CRMS 0162	8.1	8.7	11.2	16.2	21.3	26.1	28.1	28.1	27.5	23.0	16.2	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.5	-4.9	-4.9	-2.8	-1.4	0.1	-0.7	-0.8	-2.3	0.9	-5.4
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.9	-5.7	-4.4	-3.8	-2.0	-0.7	-0.5	-0.5	-0.6	-1.0	-0.4	-3.8
USGS7380251 Barataria Bay North of Grand Isle	-1.1	-2.7	-2.8	-1.7	-0.9	-0.1	-0.1	-0.1	-0.1	-0.1	-0.3	-1.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.6	-4.1	-4.0	-2.3	-1.4	-0.2	-0.1	0.0	-0.1	-0.1	-0.2	-2.0
USGS 07380335 - Little Lake Near Cutoff	-0.8	-2.8	-3.0	-1.4	-1.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-1.2
USGS073802516 Barataria Pass at Grand Isle	-0.4	-1.0	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ14 - Lake Washington	-0.1	-0.4	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.3	-0.2	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.3	-1.2	-1.9	-0.8	-0.7	-0.1	-0.1	0.0	-0.1	0.0	0.0	-0.5
CRMS 0258	-0.2	-0.7	-0.3	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
CRMS 0224	-0.5	-1.8	-1.5	-0.6	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	-0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.1
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 87 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.3	15.1	19.5	23.4	27.3	28.0	28.5	27.4	22.4	13.7	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	14.7	16.7	20.4	24.4	28.2	29.2	29.7	28.4	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.4	15.8	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.4	23.3	27.0	27.8	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.5	15.9	19.6	23.8	27.6	28.7	29.0	27.6	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.2	27.7	28.7	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.2	17.2	20.8	24.8	28.2	29.3	29.9	28.5	24.0	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	15.4	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.6	18.5
CRMS 3985	10.2	13.6	16.1	20.1	24.2	27.8	28.5	29.1	27.5	22.8	15.2	15.9
CRMS 0258	9.0	12.9	15.0	18.7	22.1	27.3	28.0	28.5	27.2	22.3	13.5	14.4
CRMS 0224	10.2	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.6	23.0	15.4	16.5
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.0	27.3	27.8	27.0	21.6	15.2	12.7
CRMS 0162	9.3	9.2	12.3	17.5	21.6	26.2	28.0	28.3	27.4	22.4	15.6	11.8

V3PR3 HYST - cy 2 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.3	10.6	15.4	20.7	25.8	28.0	27.7	26.6	19.9	14.8	10.6
CRMS0276 - Just east of Wilkinson Canal	12.0	14.7	16.8	20.4	24.4	28.2	29.2	29.7	28.4	23.9	16.8	17.5
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.3	15.8	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.3	9.4	12.7	17.9	21.9	26.4	27.3	27.8	26.6	21.2	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	9.5	11.8	14.9	19.2	23.4	27.5	28.7	28.9	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	12.4	15.7	19.9	23.5	27.6	28.7	29.2	27.9	23.3	15.9	16.4
USGS 07380335 - Little Lake Near Cutoff	11.7	13.9	16.9	20.5	24.3	28.2	29.3	29.9	28.4	24.0	16.6	17.3
USGS073802516 Barataria Pass at Grand Isle	11.2	14.5	17.0	20.7	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.7	14.4	16.8	20.6	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.7	15.2	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.5	18.4
CRMS 3985	10.1	13.1	16.1	20.0	23.9	27.8	29.1	29.3	27.9	23.1	15.4	16.4
CRMS 0258	9.0	12.5	15.1	18.6	22.2	27.3	28.0	28.5	27.2	22.3	13.4	14.3
CRMS 0224	10.1	13.6	16.2	20.0	23.7	27.5	28.4	28.9	27.6	22.9	15.4	16.4
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.1	27.3	27.8	27.0	21.6	15.2	12.6
CRMS 0162	9.3	9.3	12.3	17.5	21.6	26.1	28.0	28.3	27.4	22.2	15.6	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-6.0	-4.5	-4.1	-2.7	-1.5	0.0	-0.8	-0.7	-2.5	1.0	-4.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-4.1	-2.4	-1.5	-1.3	-0.6	-0.5	-0.5	-0.6	-1.0	-0.3	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-1.7	-0.9	-0.5	-0.4	-0.1	0.0	-0.1	0.0	-0.1	-0.3	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-2.2	-0.9	-0.5	-0.7	-0.1	0.0	-0.1	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.3	-0.3	-0.3	-0.4	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.6	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	0.0	-0.4	0.0	-0.1	-0.3	-0.1	0.6	0.2	0.4	0.3	0.3	0.4
CRMS 0258	-0.1	-0.4	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0224	-0.1	-0.9	-0.1	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.1
CRMS 0162	-0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.2	0.0	0.0

Figure WQ TEMP 88 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.4
CRMS0276 - Just east of Wilkinson Canal	11.8	14.0	16.3	20.2	24.4	28.2	29.1	29.7	28.3	23.9	16.9	17.6
Barataria Waterway at Lafitte (USACE82875)	9.8	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.4	15.9	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.7	23.8	27.5	28.5	28.9	27.7	22.8	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.7	16.7	20.4	24.3	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.1	14.5	16.6	20.3	24.5	28.2	29.6	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.7	28.9	29.2	27.9	23.1	15.5	16.5
CRMS 0258	8.5	12.7	14.0	18.5	22.0	25.3	25.9	26.3	26.8	22.4	14.3	15.1
CRMS 0224	10.1	14.4	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.2	8.6	11.7	16.6	21.3	26.0	27.6	27.9	26.8	21.6	15.2	12.8
CRMS 0162	7.5	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.2	22.1	16.3	12.4

V3PR3 HYST - cy 2 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.1	26.4	19.9	14.9	10.7
CRMS0276 - Just east of Wilkinson Canal	11.5	14.1	16.5	20.2	24.4	28.2	29.2	29.6	28.3	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	9.9	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.3	15.9	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	7.6	10.9	15.9	21.4	26.2	28.1	27.9	26.7	21.2	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.4	10.6	13.3	18.1	23.1	27.2	28.4	28.7	27.6	22.7	14.9	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.6	10.3	13.2	18.3	23.1	27.1	28.4	28.9	28.0	23.3	15.9	16.5
USGS 07380335 - Little Lake Near Cutoff	10.4	12.1	14.8	19.5	24.0	27.8	29.0	29.6	28.4	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	10.7	14.0	16.5	20.5	24.6	28.1	29.1	29.6	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.5	14.1	16.6	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.5	14.4	16.7	20.3	24.6	28.2	29.6	30.1	28.8	24.8	18.7	18.5
CRMS 3985	9.5	12.2	14.8	19.4	23.6	27.2	28.4	28.9	27.8	23.1	15.5	16.4
CRMS 0258	8.1	11.9	13.8	18.4	22.2	25.7	26.5	26.5	26.8	22.3	14.3	15.1
CRMS 0224	9.1	12.4	15.2	19.5	23.5	27.2	28.1	28.8	27.6	22.9	15.4	16.4
CRMS 0163	8.2	8.6	11.7	16.7	21.4	26.1	27.6	27.9	26.8	21.6	15.3	12.9
CRMS 0162	7.6	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.1	21.9	16.4	12.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.5	-4.9	-4.8	-2.8	-1.2	0.9	-0.3	-0.9	-2.5	1.0	-4.7
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.2	-5.8	-4.2	-3.5	-1.9	-0.9	0.2	-0.5	-0.6	-1.1	-0.3	-2.0
USGS7380251 Barataria Bay North of Grand Isle	-1.3	-2.9	-2.5	-1.6	-0.7	-0.3	-0.1	-0.2	-0.1	-0.2	-0.3	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.4	-4.4	-3.5	-2.1	-1.2	-0.7	-0.4	-0.4	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.3	-3.0	-2.4	-1.2	-0.8	-0.5	-0.3	-0.2	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.6	-1.2	-0.7	-0.3	-0.1	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.5	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.6	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.6	-1.4	-1.5	-0.7	-0.5	-0.4	-0.6	-0.4	-0.1	0.0	0.0	0.0
CRMS 0258	-0.4	-0.8	-0.2	-0.1	0.1	0.4	0.7	0.3	0.0	0.0	0.0	0.0
CRMS 0224	-1.1	-2.0	-1.1	-0.5	-0.3	-0.3	-0.2	-0.1	0.0	0.0	-0.1	-0.1
CRMS 0163	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	0.1
CRMS 0162	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	0.0	-0.1

Figure WQ TEMP 89 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.5	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	15.2	16.5	20.1	24.3	28.2	29.1	29.6	28.3	23.9	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.1	14.6	19.2	23.5	27.9	29.1	29.5	28.1	23.4	15.9	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.4	27.2	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.7	19.6	23.9	27.5	28.5	28.9	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.3	27.8	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.3	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.7	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.8	15.9	16.8	20.2	24.4	28.1	29.6	30.2	28.8	24.9	18.8	18.1
CRMS 3985	10.2	13.6	16.1	20.1	24.1	27.6	28.9	29.2	27.9	23.1	15.6	16.4
CRMS 0258	9.1	13.9	14.0	18.5	22.1	25.5	25.9	26.7	27.2	22.4	14.2	13.9
CRMS 0224	10.2	14.6	16.3	20.1	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	9.1	10.2	11.7	16.5	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.5
CRMS 0162	9.1	10.5	11.5	16.5	21.2	26.0	28.3	28.0	27.3	23.1	16.2	10.8

V3PR3 HYST - cy 2 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	8.0	10.2	14.6	20.7	26.1	28.8	28.0	26.4	20.0	14.8	9.2
CRMS0276 - Just east of Wilkinson Canal	11.9	15.2	16.6	20.2	24.3	28.2	29.2	29.6	28.3	23.9	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.1	14.5	19.2	23.5	27.8	29.1	29.5	28.1	23.4	15.8	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.3	11.3	11.0	15.7	21.3	26.2	28.1	27.8	26.6	21.2	13.4	10.0
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.3	13.5	18.0	22.9	27.1	28.4	28.8	27.6	22.7	14.9	13.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.3	13.4	18.3	22.8	27.0	28.4	29.2	27.9	23.3	15.9	12.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	15.0	19.5	23.7	27.7	29.0	29.9	28.4	24.0	16.6	14.8
USGS073802516 Barataria Pass at Grand Isle	11.2	15.1	16.6	20.5	24.6	28.1	29.1	29.6	28.3	23.7	16.3	16.3
HWQ14 - Lake Washington	10.7	14.6	16.7	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.7
HWQ16 - Bayou Grand Liard	14.7	15.8	16.9	20.3	24.5	28.2	29.5	30.2	28.8	24.9	18.7	17.7
CRMS 3985	10.1	13.6	14.7	19.3	23.5	27.2	28.4	29.1	27.8	23.1	15.5	14.8
CRMS 0258	9.0	13.8	13.9	18.4	22.3	25.9	26.6	26.8	27.2	22.3	14.2	13.4
CRMS 0224	10.1	14.4	15.4	19.5	23.4	27.1	28.1	28.9	27.6	23.0	15.4	14.8
CRMS 0163	9.1	10.1	11.7	16.5	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.6
CRMS 0162	9.1	10.3	11.5	16.5	21.1	26.0	28.2	28.0	27.2	22.9	16.2	10.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-5.5	-4.8	-4.8	-2.8	-1.2	0.9	-0.4	-1.0	-2.4	0.9	-6.1
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-2.2	-4.1	-3.7	-2.0	-0.9	0.2	-0.5	-0.6	-1.0	-0.3	-5.3
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-0.4	-2.2	-1.7	-0.9	-0.3	-0.1	-0.1	-0.1	-0.2	-0.3	-2.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-0.4	-3.2	-2.1	-1.4	-0.7	-0.4	-0.2	-0.1	-0.1	-0.2	-4.0
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.2	-2.2	-1.3	-1.1	-0.6	-0.3	0.0	0.0	0.0	-0.1	-2.6
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.5	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.9
HWQ14 - Lake Washington	0.0	-0.1	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ16 - Bayou Grand Liard	-0.1	0.0	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
CRMS 3985	0.0	0.0	-1.4	-0.8	-0.6	-0.4	-0.5	-0.1	-0.1	0.0	0.0	-1.6
CRMS 0258	-0.1	-0.1	-0.1	-0.1	0.1	0.4	0.7	0.1	0.0	0.0	0.0	-0.5
CRMS 0224	-0.1	-0.1	-0.9	-0.6	-0.4	-0.3	-0.2	-0.1	0.0	0.0	0.0	-1.7
CRMS 0163	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
CRMS 0162	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	0.0	0.0

Figure WQ TEMP 90 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.3	13.6	15.3
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.2	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.8	16.7
Barataria Waterway at Lafitte (USACE82875)	9.6	12.6	14.2	19.2	23.8	28.0	29.0	29.5	28.1	23.4	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.5	15.7	19.7	23.9	27.5	28.7	29.1	27.7	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.0	15.2	16.4	20.1	24.5	28.2	29.6	30.1	28.9	24.9	18.5	17.7
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.7	29.1	29.2	27.8	23.0	15.4	16.2
CRMS 0258	8.5	12.6	14.0	18.5	22.0	25.2	27.6	28.5	27.2	22.0	13.2	14.1
CRMS 0224	10.1	14.5	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.1	27.4	27.8	26.8	21.6	15.0	11.2
CRMS 0162	7.4	9.3	11.1	16.3	21.5	26.1	28.1	28.2	27.4	22.2	15.4	10.4

V3PR4 HYST - cy 2 - 1985 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	7.1	10.1	14.6	20.7	25.9	28.1	27.7	26.4	19.9	14.6	9.0
CRMS0276 - Just east of Wilkinson Canal	11.1	14.7	16.3	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.7	16.7
Barataria Waterway at Lafitte (USACE82875)	9.6	12.6	14.1	19.1	23.8	28.0	29.1	29.5	28.1	23.3	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	6.1	8.7	10.4	15.1	21.1	26.3	27.3	27.5	26.6	21.0	14.3	9.4
USGS7380251 Barataria Bay North of Grand Isle	7.9	11.3	12.4	17.5	22.9	27.3	28.6	28.9	27.6	22.6	14.7	12.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.6	11.3	11.9	17.3	22.7	27.3	28.7	29.2	27.9	23.1	14.9	11.4
USGS 07380335 - Little Lake Near Cutoff	9.3	12.9	13.1	18.5	23.6	27.9	29.3	29.9	28.4	23.9	15.9	12.8
USGS073802516 Barataria Pass at Grand Isle	10.2	14.5	16.0	20.3	24.6	28.2	29.1	29.6	28.3	23.7	16.0	15.6
HWQ14 - Lake Washington	10.5	14.3	16.4	20.4	24.7	28.3	29.4	29.7	28.4	23.7	15.7	16.3
HWQ16 - Bayou Grand Liard	13.0	15.0	16.1	20.1	24.6	28.2	29.6	30.1	28.8	24.8	18.1	16.8
CRMS 3985	9.0	12.7	13.7	18.9	23.5	27.4	28.9	29.3	27.8	23.1	15.1	13.7
CRMS 0258	7.7	11.9	13.3	18.2	22.2	25.5	27.6	28.5	27.2	22.0	13.1	12.8
CRMS 0224	8.3	12.8	13.8	18.7	23.3	27.4	28.3	28.9	27.6	22.9	14.9	13.1
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.1	27.4	27.8	26.9	21.5	15.0	11.1
CRMS 0162	7.5	9.3	11.1	16.3	21.5	26.1	28.2	28.1	27.3	22.0	15.4	10.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.2	-4.9	-4.9	-2.8	-1.3	0.1	-0.8	-1.0	-2.4	1.0	-6.3
CRMS0276 - Just east of Wilkinson Canal	-0.6	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.4	-4.8	-4.7	-4.3	-2.2	-0.8	-0.6	-0.8	-0.6	-1.3	0.6	-6.0
USGS7380251 Barataria Bay North of Grand Isle	-1.7	-2.2	-3.4	-2.1	-0.9	-0.2	-0.1	-0.1	-0.1	-0.2	-0.3	-3.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.3	-3.3	-4.8	-3.0	-1.5	-0.4	-0.1	-0.1	-0.1	-0.3	-1.2	-5.5
USGS 07380335 - Little Lake Near Cutoff	-2.4	-2.2	-4.1	-2.2	-1.2	-0.3	0.0	0.0	0.0	-0.1	-0.7	-4.6
USGS073802516 Barataria Pass at Grand Isle	-1.1	-0.6	-1.1	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3	-1.6
HWQ14 - Lake Washington	-0.2	-0.3	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.6
HWQ16 - Bayou Grand Liard	-1.0	-0.2	-0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.4	-0.9
CRMS 3985	-1.2	-0.8	-2.6	-1.2	-0.6	-0.3	-0.1	0.1	0.1	0.1	-0.3	-2.6
CRMS 0258	-0.8	-0.7	-0.8	-0.3	0.1	0.3	0.0	0.0	0.0	0.0	-0.1	-1.2
CRMS 0224	-1.8	-1.7	-2.5	-1.3	-0.5	-0.2	-0.1	0.0	0.0	-0.1	-0.5	-3.3
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	0.0	0.0

Figure WQ TEMP 91 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.4	13.9	15.2
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.2	20.1	24.3	28.2	29.1	29.7	28.3	23.9	16.9	17.4
Barataria Waterway at Lafitte (USACE82875)	10.0	12.0	14.2	19.1	23.6	28.0	29.0	29.5	28.1	23.5	15.9	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.5	23.4	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.6	23.9	27.5	28.6	29.0	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.5	14.8	16.3	20.1	24.4	28.1	29.6	30.1	28.8	24.9	18.7	18.4
CRMS 3985	10.2	13.6	16.2	20.1	24.1	27.7	29.1	29.3	27.9	23.1	15.5	16.4
CRMS 0258	8.6	12.6	14.1	18.5	22.1	26.0	27.2	28.5	27.2	22.3	14.3	14.1
CRMS 0224	10.1	14.4	16.3	20.0	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.6	8.8	11.5	16.4	21.3	26.1	27.5	27.9	26.9	21.9	15.3	12.2
CRMS 0162	8.1	8.6	11.1	16.3	21.3	26.1	28.1	28.1	27.5	23.0	16.1	11.5

V3PR4 HYST - cy 2 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	25.9	28.0	27.7	26.4	20.2	15.0	10.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.2	16.3	20.1	24.3	28.2	29.2	29.7	28.3	23.9	16.9	17.3
Barataria Waterway at Lafitte (USACE82875)	10.0	12.0	14.2	19.1	23.6	28.0	29.1	29.5	28.1	23.4	15.9	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.3	10.4	15.1	21.0	26.1	27.3	27.6	26.6	21.3	13.8	11.5
USGS7380251 Barataria Bay North of Grand Isle	8.6	10.2	12.4	17.5	22.7	27.4	28.6	28.9	27.6	22.7	14.8	14.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.0	9.4	11.9	17.3	22.4	27.5	28.7	29.2	27.9	23.3	15.9	14.2
USGS 07380335 - Little Lake Near Cutoff	10.7	11.0	13.0	18.5	23.2	28.1	29.3	29.9	28.4	24.0	16.6	15.7
USGS073802516 Barataria Pass at Grand Isle	10.7	13.7	16.0	20.3	24.5	28.1	29.1	29.6	28.3	23.7	16.3	16.8
HWQ14 - Lake Washington	10.6	14.0	16.3	20.4	24.6	28.3	29.4	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	14.1	14.3	16.0	20.2	24.5	28.1	29.6	30.1	28.8	24.9	18.6	18.1
CRMS 3985	9.8	11.9	13.7	18.9	23.3	27.6	28.9	29.3	27.8	23.1	15.5	15.7
CRMS 0258	8.3	11.3	13.2	18.2	22.3	26.0	27.2	28.5	27.2	22.3	14.3	13.7
CRMS 0224	9.4	11.4	13.7	18.7	23.0	27.4	28.3	28.9	27.6	22.9	15.4	15.1
CRMS 0163	8.6	8.8	11.4	16.4	21.3	26.2	27.5	27.9	26.9	21.8	15.3	12.2
CRMS 0162	8.1	8.7	11.1	16.2	21.3	26.1	28.1	28.1	27.4	22.9	16.1	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.5	-4.9	-4.9	-2.8	-1.4	0.0	-0.8	-0.9	-2.2	1.1	-5.2
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.8	-6.2	-4.7	-4.4	-2.4	-0.9	-0.6	-0.7	-0.6	-0.9	0.1	-3.9
USGS7380251 Barataria Bay North of Grand Isle	-1.2	-3.2	-3.3	-2.2	-1.2	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3	-1.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.9	-5.2	-4.8	-3.1	-1.9	-0.2	-0.1	0.0	-0.1	-0.1	-0.2	-2.6
USGS 07380335 - Little Lake Near Cutoff	-1.1	-4.1	-4.2	-2.2	-1.6	-0.2	0.0	0.0	0.0	0.0	-0.1	-1.8
USGS073802516 Barataria Pass at Grand Isle	-0.6	-1.5	-1.2	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4
HWQ14 - Lake Washington	-0.1	-0.6	-0.6	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.4	-0.6	-0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
CRMS 3985	-0.4	-1.7	-2.6	-1.2	-0.9	-0.1	-0.1	0.0	-0.1	0.0	0.0	-0.7
CRMS 0258	-0.3	-1.3	-0.8	-0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.5
CRMS 0224	-0.7	-3.0	-2.6	-1.3	-0.8	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-1.4
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0

Figure WQ TEMP 92 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.3	15.1	19.5	23.4	27.3	28.0	28.5	27.4	22.4	13.7	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	14.7	16.7	20.4	24.4	28.2	29.2	29.7	28.4	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.4	15.8	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.4	23.3	27.0	27.8	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.5	15.9	19.6	23.8	27.6	28.7	29.0	27.6	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.2	27.7	28.7	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.2	17.2	20.8	24.8	28.2	29.3	29.9	28.5	24.0	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	15.4	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.6	18.5
CRMS 3985	10.2	13.6	16.1	20.1	24.2	27.8	28.5	29.1	27.5	22.8	15.2	15.9
CRMS 0258	9.0	12.9	15.0	18.7	22.1	27.3	28.0	28.5	27.2	22.3	13.5	14.4
CRMS 0224	10.2	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.6	23.0	15.4	16.5
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.0	27.3	27.8	27.0	21.6	15.2	12.7
CRMS 0162	9.3	9.2	12.3	17.5	21.6	26.2	28.0	28.3	27.4	22.4	15.6	11.8

V3PR4 HYST - cy 2 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.3	10.7	15.4	20.7	25.7	27.9	27.6	26.5	20.0	14.9	11.0
CRMS0276 - Just east of Wilkinson Canal	11.9	14.6	16.8	20.4	24.4	28.2	29.2	29.7	28.3	23.9	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.3	15.8	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	9.0	12.9	17.7	21.6	26.1	27.1	27.5	26.7	21.3	13.8	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.5	11.7	14.8	19.1	23.3	27.5	28.7	29.0	27.6	22.7	14.8	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	11.8	15.4	19.8	23.3	27.6	28.7	29.2	27.9	23.3	15.9	16.4
USGS 07380335 - Little Lake Near Cutoff	11.7	13.3	16.6	20.4	24.2	28.2	29.3	29.9	28.4	23.9	16.6	17.3
USGS073802516 Barataria Pass at Grand Isle	11.2	14.3	16.9	20.7	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.7	14.4	16.8	20.6	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.7	15.0	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.5	18.4
CRMS 3985	10.1	13.0	16.0	20.0	23.8	27.8	29.1	29.3	27.8	23.1	15.4	16.3
CRMS 0258	9.0	12.3	15.1	18.6	22.2	27.3	28.0	28.5	27.2	22.3	13.4	14.3
CRMS 0224	10.1	13.1	16.1	19.9	23.7	27.5	28.3	28.9	27.6	22.9	15.3	16.3
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.0	27.3	27.8	27.0	21.6	15.2	12.6
CRMS 0162	9.2	9.3	12.2	17.5	21.6	26.2	28.0	28.3	27.4	21.7	15.6	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.0	-4.4	-4.1	-2.7	-1.6	-0.1	-0.8	-0.8	-2.4	1.2	-4.3
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.0	-4.4	-2.2	-1.7	-1.6	-1.0	-0.8	-0.8	-0.6	-1.0	0.1	-1.8
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-1.9	-1.1	-0.5	-0.5	-0.1	0.0	-0.1	0.0	-0.1	-0.3	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-2.8	-1.2	-0.6	-0.9	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.9	-0.6	-0.4	-0.6	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.8	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	0.0	-0.5	-0.1	-0.1	-0.4	0.0	0.6	0.2	0.3	0.3	0.2	0.3
CRMS 0258	-0.1	-0.6	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0224	-0.1	-1.4	-0.3	-0.2	-0.2	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1
CRMS 0163	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1
CRMS 0162	-0.1	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0

Figure WQ TEMP 93 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.4
CRMS0276 - Just east of Wilkinson Canal	11.8	14.0	16.3	20.2	24.4	28.2	29.1	29.7	28.3	23.9	16.9	17.6
Barataria Waterway at Lafitte (USACE82875)	9.8	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.4	15.9	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.7	23.8	27.5	28.5	28.9	27.7	22.8	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.7	16.7	20.4	24.3	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.1	14.5	16.6	20.3	24.5	28.2	29.6	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.7	28.9	29.2	27.9	23.1	15.5	16.5
CRMS 0258	8.5	12.7	14.0	18.5	22.0	25.3	25.9	26.3	26.8	22.4	14.3	15.1
CRMS 0224	10.1	14.4	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.2	8.6	11.7	16.6	21.3	26.0	27.6	27.9	26.8	21.6	15.2	12.8
CRMS 0162	7.5	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.2	22.1	16.3	12.4

V3PR4 HYST - cy 2 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.0	26.3	20.0	15.1	11.1
CRMS0276 - Just east of Wilkinson Canal	11.3	14.0	16.5	20.2	24.4	28.2	29.2	29.6	28.3	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	9.9	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.3	15.9	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.2	10.5	15.3	21.0	26.2	28.4	27.9	26.6	21.3	13.9	13.7
USGS7380251 Barataria Bay North of Grand Isle	8.1	9.9	12.8	17.7	22.9	27.1	28.4	28.7	27.6	22.7	14.9	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.9	9.2	12.4	17.6	22.6	26.9	28.4	28.8	27.9	23.3	15.9	16.4
USGS 07380335 - Little Lake Near Cutoff	9.7	10.6	13.7	18.8	23.6	27.5	28.9	29.5	28.4	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	10.3	13.4	16.2	20.3	24.6	28.1	29.1	29.6	28.3	23.8	16.3	17.1
HWQ14 - Lake Washington	10.5	13.9	16.5	20.4	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.2	13.9	16.4	20.2	24.6	28.2	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	9.2	11.6	14.3	19.1	23.5	27.1	28.3	28.8	27.8	23.1	15.5	16.4
CRMS 0258	7.9	11.2	13.5	18.2	22.2	25.9	26.9	26.7	26.8	22.3	14.3	15.1
CRMS 0224	8.6	11.1	14.4	19.0	23.3	27.1	28.1	28.7	27.6	22.9	15.4	16.4
CRMS 0163	8.2	8.6	11.7	16.7	21.4	26.1	27.6	27.9	26.8	21.5	15.3	12.8
CRMS 0162	7.6	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.1	21.7	16.3	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.6	-4.9	-4.9	-2.8	-1.2	0.9	-0.4	-1.0	-2.4	1.2	-4.4
CRMS0276 - Just east of Wilkinson Canal	-0.5	0.0	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-6.3	-4.6	-4.2	-2.3	-1.0	0.5	-0.4	-0.6	-1.0	0.1	-1.7
USGS7380251 Barataria Bay North of Grand Isle	-1.5	-3.6	-2.9	-2.0	-1.0	-0.4	-0.1	-0.2	-0.1	-0.2	-0.3	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.1	-5.5	-4.3	-2.8	-1.6	-0.9	-0.4	-0.4	-0.1	-0.1	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-2.0	-4.5	-3.5	-2.0	-1.2	-0.7	-0.4	-0.3	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-1.0	-1.7	-0.9	-0.5	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.2	-0.8	-0.5	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.9	-0.5	-0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.9	-2.0	-2.0	-1.0	-0.7	-0.5	-0.6	-0.4	-0.1	0.0	0.0	0.0
CRMS 0258	-0.7	-1.5	-0.5	-0.2	0.2	0.6	1.0	0.4	0.0	0.0	0.0	0.0
CRMS 0224	-1.6	-3.4	-1.9	-1.0	-0.5	-0.4	-0.2	-0.2	0.0	-0.1	-0.1	-0.1
CRMS 0163	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.4	-0.1	-0.2

Figure WQ TEMP 94 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.5	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	15.2	16.5	20.1	24.3	28.2	29.1	29.6	28.3	23.9	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.1	14.6	19.2	23.5	27.9	29.1	29.5	28.1	23.4	15.9	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.4	27.2	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.7	19.6	23.9	27.5	28.5	28.9	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.3	27.8	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.3	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.7	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.8	15.9	16.8	20.2	24.4	28.1	29.6	30.2	28.8	24.9	18.8	18.1
CRMS 3985	10.2	13.6	16.1	20.1	24.1	27.6	28.9	29.2	27.9	23.1	15.6	16.4
CRMS 0258	9.1	13.9	14.0	18.5	22.1	25.5	25.9	26.7	27.2	22.4	14.2	13.9
CRMS 0224	10.2	14.6	16.3	20.1	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	9.1	10.2	11.7	16.5	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.5
CRMS 0162	9.1	10.5	11.5	16.5	21.2	26.0	28.3	28.0	27.3	23.1	16.2	10.8

V3PR4 HYST - cy 2 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	8.1	10.2	14.6	20.7	26.1	28.8	27.9	26.3	20.1	15.0	9.2
CRMS0276 - Just east of Wilkinson Canal	11.9	15.2	16.5	20.1	24.3	28.2	29.2	29.6	28.3	23.9	16.9	16.9
Barataria Waterway at Lafitte (USACE82875)	10.3	13.0	14.5	19.3	23.4	27.8	29.1	29.5	28.1	23.4	15.8	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.5	10.7	15.1	21.0	26.2	28.4	27.8	26.6	21.3	13.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	13.1	17.6	22.7	27.0	28.4	28.8	27.6	22.7	14.9	12.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.3	12.6	17.4	22.3	26.8	28.4	29.1	27.9	23.3	15.8	11.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	13.9	18.7	23.2	27.4	28.9	29.9	28.4	24.0	16.6	13.5
USGS073802516 Barataria Pass at Grand Isle	11.2	15.1	16.4	20.3	24.5	28.1	29.1	29.6	28.3	23.7	16.3	16.0
HWQ14 - Lake Washington	10.7	14.6	16.6	20.4	24.6	28.2	29.4	29.7	28.4	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	14.6	15.8	16.7	20.2	24.5	28.2	29.5	30.2	28.8	24.9	18.6	17.3
CRMS 3985	10.1	13.6	14.2	19.0	23.3	27.1	28.3	29.1	27.8	23.1	15.5	14.2
CRMS 0258	9.0	13.8	13.6	18.2	22.3	26.1	26.9	26.8	27.2	22.3	14.2	12.9
CRMS 0224	10.1	14.4	14.7	18.9	23.0	27.0	28.1	28.8	27.6	22.9	15.4	13.8
CRMS 0163	9.0	10.1	11.7	16.5	21.2	26.1	27.6	27.9	26.8	21.8	15.3	11.6
CRMS 0162	9.0	10.1	11.5	16.5	21.1	26.0	28.3	28.0	27.2	22.8	16.1	10.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-5.4	-4.8	-4.8	-2.8	-1.2	0.8	-0.5	-1.0	-2.3	1.1	-6.1
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.0	-2.1	-4.4	-4.3	-2.4	-1.0	0.5	-0.5	-0.6	-0.9	0.1	-5.7
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-0.4	-2.6	-2.1	-1.2	-0.5	-0.1	-0.1	-0.1	-0.2	-0.3	-3.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-0.4	-4.0	-3.0	-1.9	-1.0	-0.4	-0.2	-0.1	-0.1	-0.3	-5.0
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-3.2	-2.1	-1.6	-0.9	-0.4	0.0	0.0	0.0	-0.1	-4.0
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.7	-0.5	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-1.3
HWQ14 - Lake Washington	0.0	-0.1	-0.3	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.4
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.7
CRMS 3985	0.0	0.0	-1.9	-1.1	-0.9	-0.5	-0.6	-0.1	-0.1	0.0	0.0	-2.3
CRMS 0258	-0.1	-0.1	-0.4	-0.2	0.2	0.6	1.0	0.1	0.0	0.0	-0.1	-1.0
CRMS 0224	-0.1	-0.2	-1.6	-1.2	-0.8	-0.5	-0.2	-0.1	0.0	-0.1	-0.1	-2.7
CRMS 0163	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	-0.1	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.3	-0.1	0.0

Figure WQ TEMP 95 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.3	13.6	15.3
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.2	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.8	16.7
Barataria Waterway at Lafitte (USACE82875)	9.6	12.6	14.2	19.2	23.8	28.0	29.0	29.5	28.1	23.4	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.5	15.7	19.7	23.9	27.5	28.7	29.1	27.7	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.0	15.2	16.4	20.1	24.5	28.2	29.6	30.1	28.9	24.9	18.5	17.7
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.7	29.1	29.2	27.8	23.0	15.4	16.2
CRMS 0258	8.5	12.6	14.0	18.5	22.0	25.2	27.6	28.5	27.2	22.0	13.2	14.1
CRMS 0224	10.1	14.5	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.1	27.4	27.8	26.8	21.6	15.0	11.2
CRMS 0162	7.4	9.3	11.1	16.3	21.5	26.1	28.1	28.2	27.4	22.2	15.4	10.4

V3PR5 HYST - cy 2 - 1985 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	7.1	10.1	14.6	20.7	25.9	28.1	27.7	26.4	19.9	14.6	9.0
CRMS0276 - Just east of Wilkinson Canal	11.1	14.7	16.3	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.7	16.7
Barataria Waterway at Lafitte (USACE82875)	9.6	12.6	14.1	19.1	23.8	28.0	29.1	29.5	28.1	23.3	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	8.7	10.5	15.3	21.2	26.3	27.3	27.6	26.6	20.9	14.2	9.5
USGS7380251 Barataria Bay North of Grand Isle	7.9	11.2	12.3	17.5	22.9	27.3	28.6	28.9	27.6	22.6	14.7	12.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.6	11.3	11.9	17.3	22.7	27.3	28.7	29.2	27.9	23.1	14.9	11.4
USGS 07380335 - Little Lake Near Cutoff	9.3	12.9	13.1	18.5	23.6	27.9	29.3	29.9	28.4	23.9	15.9	12.8
USGS073802516 Barataria Pass at Grand Isle	10.2	14.5	16.0	20.3	24.6	28.1	29.1	29.6	28.3	23.7	16.0	15.7
HWQ14 - Lake Washington	10.4	14.3	16.3	20.4	24.7	28.3	29.4	29.7	28.4	23.7	15.7	16.3
HWQ16 - Bayou Grand Liard	13.0	15.0	16.1	20.1	24.5	28.2	29.6	30.1	28.8	24.8	18.1	16.8
CRMS 3985	8.9	12.7	13.6	18.9	23.5	27.4	28.9	29.3	27.8	23.1	15.1	13.6
CRMS 0258	7.8	11.9	13.3	18.2	22.2	25.4	27.6	28.5	27.2	22.0	13.1	12.8
CRMS 0224	8.4	12.8	13.8	18.8	23.4	27.4	28.3	28.9	27.6	22.9	14.9	13.2
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.1	27.4	27.8	26.9	21.6	15.0	11.1
CRMS 0162	7.5	9.3	11.1	16.3	21.5	26.1	28.1	28.1	27.4	22.0	15.4	10.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.2	-4.9	-4.9	-2.8	-1.3	0.1	-0.8	-0.9	-2.4	1.0	-6.3
CRMS0276 - Just east of Wilkinson Canal	-0.6	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.4	-4.7	-4.6	-4.2	-2.1	-0.7	-0.6	-0.7	-0.7	-1.4	0.5	-5.9
USGS7380251 Barataria Bay North of Grand Isle	-1.7	-2.2	-3.4	-2.2	-0.9	-0.2	-0.1	-0.1	0.0	-0.2	-0.3	-3.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.3	-3.3	-4.8	-3.0	-1.5	-0.4	-0.1	-0.1	-0.1	-0.3	-1.2	-5.5
USGS 07380335 - Little Lake Near Cutoff	-2.4	-2.2	-4.1	-2.2	-1.1	-0.3	0.0	0.0	0.0	-0.1	-0.7	-4.6
USGS073802516 Barataria Pass at Grand Isle	-1.1	-0.6	-1.1	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	-0.4	-1.6
HWQ14 - Lake Washington	-0.2	-0.3	-0.6	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.6
HWQ16 - Bayou Grand Liard	-1.0	-0.2	-0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.4	-0.9
CRMS 3985	-1.2	-0.9	-2.6	-1.2	-0.7	-0.3	-0.1	0.1	0.0	0.1	-0.3	-2.6
CRMS 0258	-0.8	-0.7	-0.7	-0.3	0.2	0.3	0.0	0.0	0.0	0.0	-0.1	-1.2
CRMS 0224	-1.8	-1.6	-2.5	-1.2	-0.5	-0.2	-0.1	0.0	0.0	-0.1	-0.5	-3.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	0.0	0.0

Figure WQ TEMP 96 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.4	13.9	15.2
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.2	20.1	24.3	28.2	29.1	29.7	28.3	23.9	16.9	17.4
Barataria Waterway at Lafitte (USACE82875)	10.0	12.0	14.2	19.1	23.6	28.0	29.0	29.5	28.1	23.5	15.9	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.5	23.4	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.6	23.9	27.5	28.6	29.0	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.5	14.8	16.3	20.1	24.4	28.1	29.6	30.1	28.8	24.9	18.7	18.4
CRMS 3985	10.2	13.6	16.2	20.1	24.1	27.7	29.1	29.3	27.9	23.1	15.5	16.4
CRMS 0258	8.6	12.6	14.1	18.5	22.1	26.0	27.2	28.5	27.2	22.3	14.3	14.1
CRMS 0224	10.1	14.4	16.3	20.0	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.6	8.8	11.5	16.4	21.3	26.1	27.5	27.9	26.9	21.9	15.3	12.2
CRMS 0162	8.1	8.6	11.1	16.3	21.3	26.1	28.1	28.1	27.5	23.0	16.1	11.5

V3PR5 HYST - cy 2 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.9	28.0	27.7	26.4	20.1	15.0	10.0
CRMS0276 - Just east of Wilkinson Canal	11.8	14.2	16.3	20.1	24.3	28.2	29.1	29.7	28.3	23.9	16.9	17.3
Barataria Waterway at Lafitte (USACE82875)	10.0	12.0	14.2	19.1	23.6	28.0	29.1	29.5	28.1	23.4	15.9	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.4	10.5	15.2	21.1	26.2	27.3	27.7	26.6	21.2	13.7	11.4
USGS7380251 Barataria Bay North of Grand Isle	8.6	10.2	12.3	17.4	22.6	27.4	28.6	28.9	27.6	22.7	14.9	14.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.0	9.4	11.9	17.3	22.3	27.5	28.7	29.2	27.9	23.3	15.9	14.2
USGS 07380335 - Little Lake Near Cutoff	10.7	11.0	13.0	18.5	23.2	28.1	29.3	29.9	28.4	24.0	16.6	15.7
USGS073802516 Barataria Pass at Grand Isle	10.7	13.7	16.0	20.3	24.5	28.1	29.1	29.6	28.3	23.7	16.3	16.8
HWQ14 - Lake Washington	10.6	14.0	16.3	20.4	24.6	28.3	29.4	29.7	28.4	23.7	15.8	16.7
HWQ16 - Bayou Grand Liard	14.1	14.3	16.0	20.2	24.5	28.1	29.6	30.1	28.9	24.9	18.6	18.1
CRMS 3985	9.7	11.9	13.6	18.8	23.2	27.6	28.9	29.3	27.8	23.1	15.5	15.6
CRMS 0258	8.4	11.4	13.3	18.2	22.3	26.0	27.2	28.5	27.2	22.3	14.3	13.7
CRMS 0224	9.4	11.5	13.7	18.8	23.1	27.4	28.3	28.9	27.6	22.9	15.4	15.1
CRMS 0163	8.6	8.8	11.4	16.3	21.3	26.2	27.4	27.9	26.9	21.8	15.3	12.2
CRMS 0162	8.1	8.6	11.1	16.2	21.3	26.1	28.1	28.1	27.4	22.8	16.1	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.5	-4.9	-4.9	-2.8	-1.4	0.0	-0.8	-0.9	-2.2	1.0	-5.3
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.9	-6.1	-4.6	-4.2	-2.3	-0.9	-0.6	-0.7	-0.6	-1.0	0.0	-3.9
USGS7380251 Barataria Bay North of Grand Isle	-1.2	-3.3	-3.4	-2.2	-1.2	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3	-1.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.9	-5.2	-4.8	-3.1	-1.9	-0.2	-0.1	0.0	-0.1	-0.2	-0.2	-2.6
USGS 07380335 - Little Lake Near Cutoff	-1.1	-4.1	-4.2	-2.2	-1.6	-0.2	0.0	0.0	0.0	0.0	-0.1	-1.8
USGS073802516 Barataria Pass at Grand Isle	-0.6	-1.5	-1.1	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4
HWQ14 - Lake Washington	-0.1	-0.6	-0.6	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.4	-0.5	-0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
CRMS 3985	-0.4	-1.7	-2.7	-1.3	-0.9	-0.1	-0.1	0.0	-0.1	0.0	0.0	-0.8
CRMS 0258	-0.3	-1.3	-0.8	-0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.4
CRMS 0224	-0.7	-3.0	-2.6	-1.3	-0.8	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-1.4
CRMS 0163	0.0	0.0	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0

Figure WQ TEMP 97 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.3	15.1	19.5	23.4	27.3	28.0	28.5	27.4	22.4	13.7	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	14.7	16.7	20.4	24.4	28.2	29.2	29.7	28.4	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.4	15.8	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.4	23.3	27.0	27.8	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.5	15.9	19.6	23.8	27.6	28.7	29.0	27.6	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.2	27.7	28.7	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.2	17.2	20.8	24.8	28.2	29.3	29.9	28.5	24.0	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	15.4	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.6	18.5
CRMS 3985	10.2	13.6	16.1	20.1	24.2	27.8	28.5	29.1	27.5	22.8	15.2	15.9
CRMS 0258	9.0	12.9	15.0	18.7	22.1	27.3	28.0	28.5	27.2	22.3	13.5	14.4
CRMS 0224	10.2	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.6	23.0	15.4	16.5
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.0	27.3	27.8	27.0	21.6	15.2	12.7
CRMS 0162	9.3	9.2	12.3	17.5	21.6	26.2	28.0	28.3	27.4	22.4	15.6	11.8

V3PR5 HYST - cy 2 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.3	10.7	15.4	20.7	25.7	27.9	27.7	26.5	20.0	14.9	10.9
CRMS0276 - Just east of Wilkinson Canal	12.0	14.6	16.8	20.4	24.4	28.2	29.2	29.7	28.3	23.9	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.3	15.8	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.3	9.1	12.7	17.7	21.7	26.2	27.2	27.5	26.6	21.2	13.7	13.4
USGS7380251 Barataria Bay North of Grand Isle	9.5	11.6	14.8	19.1	23.3	27.5	28.7	29.0	27.6	22.7	14.7	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	11.8	15.4	19.8	23.3	27.6	28.7	29.2	27.9	23.3	15.8	16.4
USGS 07380335 - Little Lake Near Cutoff	11.7	13.3	16.6	20.4	24.2	28.2	29.3	29.9	28.4	24.0	16.6	17.3
USGS073802516 Barataria Pass at Grand Isle	11.2	14.3	16.9	20.7	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.7	14.4	16.8	20.6	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.7	15.0	17.3	20.4	24.6	28.1	29.5	30.1	28.8	24.8	18.5	18.4
CRMS 3985	10.1	13.0	16.0	20.0	23.8	27.8	29.1	29.3	27.8	23.1	15.4	16.3
CRMS 0258	9.0	12.3	15.1	18.6	22.2	27.3	28.0	28.5	27.2	22.3	13.4	14.3
CRMS 0224	10.1	13.2	16.1	19.9	23.7	27.5	28.3	28.9	27.6	22.9	15.3	16.3
CRMS 0163	9.1	9.5	12.1	17.2	21.5	26.0	27.3	27.9	26.9	21.6	15.2	12.6
CRMS 0162	9.2	9.3	12.3	17.5	21.6	26.1	28.0	28.3	27.4	21.9	15.6	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-6.0	-4.4	-4.1	-2.7	-1.6	-0.1	-0.8	-0.8	-2.4	1.1	-4.4
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-4.4	-2.4	-1.7	-1.6	-0.9	-0.7	-0.8	-0.6	-1.1	0.0	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-1.9	-1.1	-0.5	-0.5	-0.1	0.0	-0.1	0.0	-0.1	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-2.9	-1.3	-0.6	-0.9	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.9	-0.6	-0.3	-0.6	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.8	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	0.0	-0.6	-0.1	-0.1	-0.4	-0.1	0.6	0.2	0.3	0.2	0.2	0.3
CRMS 0258	-0.1	-0.6	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0224	-0.1	-1.3	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
CRMS 0163	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0162	-0.1	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.0	-0.1

Figure WQ TEMP 98 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.4
CRMS0276 - Just east of Wilkinson Canal	11.8	14.0	16.3	20.2	24.4	28.2	29.1	29.7	28.3	23.9	16.9	17.6
Barataria Waterway at Lafitte (USACE82875)	9.8	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.4	15.9	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.7	23.8	27.5	28.5	28.9	27.7	22.8	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.7	16.7	20.4	24.3	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.1	14.5	16.6	20.3	24.5	28.2	29.6	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.7	28.9	29.2	27.9	23.1	15.5	16.5
CRMS 0258	8.5	12.7	14.0	18.5	22.0	25.3	25.9	26.3	26.8	22.4	14.3	15.1
CRMS 0224	10.1	14.4	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.2	8.6	11.7	16.6	21.3	26.0	27.6	27.9	26.8	21.6	15.2	12.8
CRMS 0162	7.5	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.2	22.1	16.3	12.4

V3PR5 HYST - cy 2 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.0	26.4	19.9	15.0	11.0
CRMS0276 - Just east of Wilkinson Canal	11.3	14.0	16.5	20.2	24.4	28.2	29.2	29.6	28.3	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	9.9	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.3	15.9	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.3	10.6	15.5	21.1	26.2	28.3	27.9	26.6	21.2	13.7	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.1	9.8	12.8	17.7	22.9	27.1	28.4	28.6	27.6	22.7	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.8	9.1	12.4	17.6	22.6	26.9	28.4	28.8	27.9	23.3	15.9	16.4
USGS 07380335 - Little Lake Near Cutoff	9.7	10.7	13.8	18.8	23.6	27.5	28.9	29.5	28.4	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	10.3	13.4	16.2	20.4	24.6	28.1	29.1	29.6	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.5	13.8	16.4	20.4	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	13.2	13.9	16.4	20.2	24.6	28.2	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	9.2	11.5	14.2	19.0	23.5	27.1	28.3	28.8	27.8	23.1	15.5	16.4
CRMS 0258	7.9	11.2	13.5	18.3	22.2	25.9	26.9	26.7	26.8	22.3	14.3	15.1
CRMS 0224	8.6	11.2	14.4	19.1	23.3	27.1	28.1	28.7	27.6	22.9	15.4	16.4
CRMS 0163	8.2	8.6	11.7	16.6	21.4	26.1	27.6	27.9	26.8	21.5	15.3	12.8
CRMS 0162	7.6	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.1	21.7	16.3	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.6	-4.9	-4.9	-2.8	-1.2	0.8	-0.4	-1.0	-2.5	1.1	-4.4
CRMS0276 - Just east of Wilkinson Canal	-0.5	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-6.2	-4.5	-4.0	-2.2	-0.9	0.4	-0.5	-0.7	-1.1	0.0	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-1.6	-3.7	-3.0	-2.0	-1.0	-0.4	-0.1	-0.2	-0.1	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.1	-5.5	-4.3	-2.8	-1.6	-0.9	-0.4	-0.4	-0.1	-0.2	-0.2	-0.4
USGS 07380335 - Little Lake Near Cutoff	-2.0	-4.4	-3.5	-2.0	-1.2	-0.7	-0.4	-0.3	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-1.0	-1.7	-0.9	-0.5	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.2	-0.8	-0.5	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.9	-0.6	-0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.9	-2.1	-2.1	-1.1	-0.7	-0.5	-0.6	-0.4	-0.1	0.0	0.0	0.0
CRMS 0258	-0.6	-1.4	-0.5	-0.2	0.2	0.6	1.0	0.4	0.0	0.0	0.0	0.0
CRMS 0224	-1.5	-3.3	-1.9	-1.0	-0.5	-0.4	-0.2	-0.2	0.0	-0.1	-0.1	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
CRMS 0162	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.4	-0.1	-0.2

Figure WQ TEMP 99 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.5	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	15.2	16.5	20.1	24.3	28.2	29.1	29.6	28.3	23.9	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.1	14.6	19.2	23.5	27.9	29.1	29.5	28.1	23.4	15.9	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.4	27.2	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.7	19.6	23.9	27.5	28.5	28.9	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.3	27.8	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.3	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.7	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.8	15.9	16.8	20.2	24.4	28.1	29.6	30.2	28.8	24.9	18.8	18.1
CRMS 3985	10.2	13.6	16.1	20.1	24.1	27.6	28.9	29.2	27.9	23.1	15.6	16.4
CRMS 0258	9.1	13.9	14.0	18.5	22.1	25.5	25.9	26.7	27.2	22.4	14.2	13.9
CRMS 0224	10.2	14.6	16.3	20.1	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	9.1	10.2	11.7	16.5	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.5
CRMS 0162	9.1	10.5	11.5	16.5	21.2	26.0	28.3	28.0	27.3	23.1	16.2	10.8

V3PR5 HYST - cy 2 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	8.2	10.2	14.6	20.7	26.1	28.8	27.9	26.3	20.1	14.9	9.2
CRMS0276 - Just east of Wilkinson Canal	11.9	15.2	16.6	20.2	24.3	28.2	29.2	29.6	28.3	23.9	16.9	16.9
Barataria Waterway at Lafitte (USACE82875)	10.3	13.0	14.6	19.3	23.5	27.8	29.1	29.5	28.1	23.4	15.9	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	11.3	10.8	15.3	21.1	26.2	28.3	27.8	26.6	21.2	13.7	9.7
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.3	13.0	17.5	22.6	27.0	28.4	28.8	27.6	22.7	14.8	12.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.3	12.6	17.4	22.3	26.8	28.4	29.1	27.9	23.3	15.9	11.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	14.0	18.7	23.2	27.4	28.9	29.8	28.4	24.0	16.6	13.5
USGS073802516 Barataria Pass at Grand Isle	11.2	15.1	16.4	20.3	24.5	28.1	29.1	29.6	28.3	23.7	16.3	16.0
HWQ14 - Lake Washington	10.7	14.6	16.6	20.4	24.6	28.2	29.3	29.7	28.4	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	14.6	15.8	16.7	20.2	24.5	28.2	29.5	30.2	28.9	24.8	18.6	17.3
CRMS 3985	10.1	13.6	14.1	18.9	23.2	27.1	28.3	29.1	27.8	23.1	15.5	14.1
CRMS 0258	9.0	13.8	13.7	18.2	22.3	26.1	26.9	26.8	27.2	22.3	14.2	13.0
CRMS 0224	10.1	14.4	14.8	18.9	23.1	27.0	28.1	28.8	27.6	22.9	15.4	13.8
CRMS 0163	9.0	10.1	11.7	16.5	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.6
CRMS 0162	9.0	10.1	11.5	16.5	21.1	26.0	28.3	28.0	27.2	22.9	16.2	10.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-5.4	-4.8	-4.9	-2.8	-1.2	0.8	-0.5	-1.0	-2.3	1.0	-6.1
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-2.2	-4.3	-4.2	-2.3	-1.0	0.4	-0.6	-0.7	-1.0	0.0	-5.7
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-0.4	-2.7	-2.1	-1.2	-0.5	-0.1	-0.1	-0.1	-0.2	-0.3	-3.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-0.5	-4.0	-3.0	-1.9	-1.0	-0.3	-0.2	-0.1	-0.1	-0.3	-5.0
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.2	-3.2	-2.1	-1.6	-0.9	-0.4	0.0	0.0	0.0	-0.1	-3.9
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.7	-0.5	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-1.2
HWQ14 - Lake Washington	0.0	-0.1	-0.3	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.4
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.7
CRMS 3985	0.0	0.0	-1.9	-1.1	-0.9	-0.6	-0.6	-0.2	-0.1	0.0	0.0	-2.4
CRMS 0258	-0.1	-0.1	-0.4	-0.2	0.2	0.7	1.0	0.1	0.0	0.0	-0.1	-1.0
CRMS 0224	-0.1	-0.2	-1.6	-1.1	-0.8	-0.5	-0.2	-0.1	0.0	-0.1	-0.1	-2.6
CRMS 0163	-0.1	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	-0.1	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.3	-0.1	0.0

Figure WQ TEMP 100 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.3	13.6	15.3
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.2	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.8	16.7
Barataria Waterway at Lafitte (USACE82875)	9.6	12.6	14.2	19.2	23.8	28.0	29.0	29.5	28.1	23.4	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.5	15.7	19.7	23.9	27.5	28.7	29.1	27.7	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.0	15.2	16.4	20.1	24.5	28.2	29.6	30.1	28.9	24.9	18.5	17.7
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.7	29.1	29.2	27.8	23.0	15.4	16.2
CRMS 0258	8.5	12.6	14.0	18.5	22.0	25.2	27.6	28.5	27.2	22.0	13.2	14.1
CRMS 0224	10.1	14.5	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.1	27.4	27.8	26.8	21.6	15.0	11.2
CRMS 0162	7.4	9.3	11.1	16.3	21.5	26.1	28.1	28.2	27.4	22.2	15.4	10.4

V3PR6 HYST - cy 2 - 1985 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	7.1	10.1	14.6	20.7	26.1	28.3	27.9	26.6	20.0	14.6	9.0
CRMS0276 - Just east of Wilkinson Canal	10.4	14.6	15.7	20.0	24.2	28.2	29.2	29.7	28.3	23.9	16.5	15.6
Barataria Waterway at Lafitte (USACE82875)	9.8	12.7	14.3	19.3	23.9	28.0	29.1	29.5	28.1	23.3	15.8	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.1	8.5	10.3	14.9	21.0	26.1	27.1	27.4	26.3	21.1	14.7	9.2
USGS7380251 Barataria Bay North of Grand Isle	7.2	10.4	11.4	16.5	22.4	27.1	28.5	28.9	27.6	22.5	14.6	10.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.8	9.8	11.0	16.0	21.9	27.1	28.6	29.1	27.8	22.8	14.7	10.2
USGS 07380335 - Little Lake Near Cutoff	7.6	11.2	11.6	16.9	22.8	27.7	29.2	29.9	28.4	23.8	15.2	10.9
USGS073802516 Barataria Pass at Grand Isle	9.5	13.9	15.0	19.9	24.4	28.1	29.1	29.6	28.3	23.7	15.7	14.6
HWQ14 - Lake Washington	10.1	14.0	15.6	20.0	24.6	28.3	29.4	29.7	28.4	23.7	15.7	15.4
HWQ16 - Bayou Grand Liard	11.8	14.6	14.9	19.5	24.4	28.2	29.6	30.1	28.8	24.8	17.7	15.2
CRMS 3985	7.9	11.9	12.4	17.9	23.1	27.3	28.9	29.3	27.8	23.1	14.8	12.1
CRMS 0258	7.3	11.3	12.3	17.6	22.2	25.6	27.6	28.5	27.2	22.0	13.2	11.8
CRMS 0224	7.5	11.5	12.0	17.2	22.8	27.2	28.2	28.9	27.5	22.8	14.7	11.1
CRMS 0163	8.0	9.4	11.5	16.5	21.5	26.1	27.5	27.8	26.8	21.5	15.1	11.2
CRMS 0162	7.6	9.3	11.1	16.4	21.5	26.1	28.2	28.1	27.3	21.9	15.4	10.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.2	-4.9	-4.9	-2.8	-1.2	0.3	-0.5	-0.8	-2.3	1.0	-6.3
CRMS0276 - Just east of Wilkinson Canal	-1.4	0.0	-0.5	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3	-1.2
Barataria Waterway at Lafitte (USACE82875)	0.2	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.5	-5.0	-4.8	-4.6	-2.3	-0.9	-0.7	-0.9	-0.9	-1.2	1.0	-6.1
USGS7380251 Barataria Bay North of Grand Isle	-2.4	-3.1	-4.3	-3.2	-1.5	-0.4	-0.1	-0.2	-0.1	-0.3	-0.4	-5.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.1	-4.8	-5.7	-4.4	-2.3	-0.6	-0.2	-0.2	-0.2	-0.6	-1.3	-6.7
USGS 07380335 - Little Lake Near Cutoff	-4.0	-3.9	-5.5	-3.8	-2.0	-0.6	-0.1	0.0	0.0	-0.2	-1.4	-6.5
USGS073802516 Barataria Pass at Grand Isle	-1.9	-1.2	-2.1	-0.9	-0.3	0.0	0.0	0.0	0.0	0.0	-0.7	-2.7
HWQ14 - Lake Washington	-0.6	-0.6	-1.3	-0.7	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-1.6
HWQ16 - Bayou Grand Liard	-2.2	-0.6	-1.5	-0.6	-0.1	0.0	0.0	0.0	0.0	0.0	-0.8	-2.4
CRMS 3985	-2.2	-1.7	-3.8	-2.2	-1.1	-0.5	-0.1	0.1	0.1	0.1	-0.6	-4.2
CRMS 0258	-1.2	-1.3	-1.7	-0.9	0.2	0.4	0.0	0.0	0.0	0.0	0.1	-2.3
CRMS 0224	-2.7	-3.0	-4.3	-2.9	-1.1	-0.3	-0.1	-0.1	-0.1	-0.2	-0.7	-5.4
CRMS 0163	0.1	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.1	0.0
CRMS 0162	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3	0.0	0.1

Figure WQ TEMP 101 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.4	13.9	15.2
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.2	20.1	24.3	28.2	29.1	29.7	28.3	23.9	16.9	17.4
Barataria Waterway at Lafitte (USACE82875)	10.0	12.0	14.2	19.1	23.6	28.0	29.0	29.5	28.1	23.5	15.9	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.5	23.4	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.6	23.9	27.5	28.6	29.0	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.5	14.8	16.3	20.1	24.4	28.1	29.6	30.1	28.8	24.9	18.7	18.4
CRMS 3985	10.2	13.6	16.2	20.1	24.1	27.7	29.1	29.3	27.9	23.1	15.5	16.4
CRMS 0258	8.6	12.6	14.1	18.5	22.1	26.0	27.2	28.5	27.2	22.3	14.3	14.1
CRMS 0224	10.1	14.4	16.3	20.0	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.6	8.8	11.5	16.4	21.3	26.1	27.5	27.9	26.9	21.9	15.3	12.2
CRMS 0162	8.1	8.6	11.1	16.3	21.3	26.1	28.1	28.1	27.5	23.0	16.1	11.5

V3PR6 HYST - cy 2 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.0	28.2	27.9	26.6	20.2	14.7	9.8
CRMS0276 - Just east of Wilkinson Canal	11.6	13.5	15.5	20.0	24.1	28.2	29.2	29.7	28.3	23.9	16.9	17.0
Barataria Waterway at Lafitte (USACE82875)	10.1	12.2	14.3	19.2	23.7	28.0	29.1	29.5	28.1	23.4	15.9	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.1	10.3	14.9	20.9	26.1	27.0	27.4	26.3	21.5	14.5	11.4
USGS7380251 Barataria Bay North of Grand Isle	8.2	8.8	11.4	16.4	22.0	27.3	28.5	28.9	27.6	22.6	14.8	13.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.3	8.1	11.0	16.0	21.5	27.3	28.6	29.1	27.8	23.1	15.8	13.1
USGS 07380335 - Little Lake Near Cutoff	9.6	9.0	11.6	16.8	22.2	28.0	29.2	29.9	28.4	23.9	16.5	14.4
USGS073802516 Barataria Pass at Grand Isle	10.4	12.6	14.9	19.9	24.2	28.1	29.1	29.6	28.3	23.7	16.3	16.4
HWQ14 - Lake Washington	10.5	13.2	15.5	19.9	24.4	28.3	29.4	29.7	28.4	23.7	15.8	16.6
HWQ16 - Bayou Grand Liard	13.8	13.1	14.8	19.5	24.1	28.1	29.6	30.1	28.9	24.9	18.6	17.7
CRMS 3985	9.1	10.3	12.4	17.8	22.7	27.6	28.9	29.3	27.8	23.1	15.5	14.9
CRMS 0258	8.1	10.1	12.3	17.5	22.3	26.0	27.2	28.5	27.2	22.3	14.3	13.2
CRMS 0224	8.9	9.4	11.9	17.1	22.2	27.3	28.2	28.9	27.5	22.9	15.3	14.2
CRMS 0163	8.6	8.9	11.5	16.4	21.3	26.2	27.4	27.9	26.9	21.8	15.3	12.2
CRMS 0162	8.1	8.8	11.2	16.3	21.3	26.1	28.2	28.1	27.5	22.8	16.1	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.5	-4.9	-4.9	-2.8	-1.3	0.2	-0.6	-0.7	-2.1	0.8	-5.4
CRMS0276 - Just east of Wilkinson Canal	-0.3	-0.7	-0.6	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.8	-6.4	-4.8	-4.6	-2.5	-1.0	-0.9	-1.0	-0.9	-0.8	0.8	-3.9
USGS7380251 Barataria Bay North of Grand Isle	-1.6	-4.7	-4.3	-3.2	-1.9	-0.2	-0.1	-0.2	-0.1	-0.2	-0.4	-2.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.7	-6.5	-5.7	-4.4	-2.7	-0.4	-0.2	-0.1	-0.2	-0.3	-0.3	-3.7
USGS 07380335 - Little Lake Near Cutoff	-2.1	-6.1	-5.6	-3.9	-2.6	-0.3	-0.1	0.0	0.0	-0.1	-0.2	-3.0
USGS073802516 Barataria Pass at Grand Isle	-0.9	-2.5	-2.2	-0.9	-0.5	0.0	0.0	0.0	0.0	0.0	-0.1	-0.8
HWQ14 - Lake Washington	-0.2	-1.4	-1.4	-0.7	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ16 - Bayou Grand Liard	-0.7	-1.7	-1.5	-0.6	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.7
CRMS 3985	-1.0	-3.3	-3.9	-2.2	-1.4	-0.2	-0.1	0.0	-0.1	0.0	0.0	-1.6
CRMS 0258	-0.5	-2.5	-1.8	-1.0	0.1	0.1	0.0	0.0	0.0	-0.1	-0.1	-0.9
CRMS 0224	-1.2	-5.0	-4.4	-3.0	-1.6	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-2.3
CRMS 0163	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0

Figure WQ TEMP 102 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.3	15.1	19.5	23.4	27.3	28.0	28.5	27.4	22.4	13.7	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	14.7	16.7	20.4	24.4	28.2	29.2	29.7	28.4	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.4	15.8	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.4	23.3	27.0	27.8	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.5	15.9	19.6	23.8	27.6	28.7	29.0	27.6	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.2	27.7	28.7	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.2	17.2	20.8	24.8	28.2	29.3	29.9	28.5	24.0	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	15.4	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.6	18.5
CRMS 3985	10.2	13.6	16.1	20.1	24.2	27.8	28.5	29.1	27.5	22.8	15.2	15.9
CRMS 0258	9.0	12.9	15.0	18.7	22.1	27.3	28.0	28.5	27.2	22.3	13.5	14.4
CRMS 0224	10.2	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.6	23.0	15.4	16.5
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.0	27.3	27.8	27.0	21.6	15.2	12.7
CRMS 0162	9.3	9.2	12.3	17.5	21.6	26.2	28.0	28.3	27.4	22.4	15.6	11.8

V3PR6 HYST - cy 2 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	7.3	10.7	15.5	20.7	25.9	28.1	27.9	26.7	20.1	14.6	10.9
CRMS0276 - Just east of Wilkinson Canal	11.9	14.3	16.8	20.4	24.4	28.2	29.2	29.7	28.3	23.9	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	10.3	12.8	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.3	15.8	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.7	8.9	12.5	17.5	21.6	25.9	26.9	27.3	26.3	21.5	14.4	13.6
USGS7380251 Barataria Bay North of Grand Isle	9.4	10.9	14.4	18.9	23.0	27.5	28.6	28.9	27.6	22.6	14.6	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	10.6	14.8	19.4	22.7	27.5	28.6	29.1	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	11.5	11.9	15.9	20.2	23.6	28.2	29.2	29.8	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	11.1	13.9	16.8	20.6	24.6	28.2	29.1	29.6	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.7	14.1	16.8	20.5	24.7	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.7	14.6	17.2	20.3	24.6	28.1	29.5	30.1	28.9	24.8	18.5	18.4
CRMS 3985	10.1	12.3	15.6	19.9	23.6	27.8	29.1	29.3	27.8	23.1	15.4	16.3
CRMS 0258	8.9	11.7	14.9	18.6	22.3	27.3	28.0	28.5	27.2	22.3	13.4	14.2
CRMS 0224	10.0	12.0	15.8	19.7	23.4	27.5	28.3	28.9	27.5	22.9	15.3	16.3
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.1	27.3	27.8	26.9	21.5	15.2	12.6
CRMS 0162	9.2	9.3	12.3	17.4	21.6	26.1	28.1	28.3	27.4	21.8	15.6	11.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-6.0	-4.4	-3.9	-2.7	-1.4	0.1	-0.6	-0.7	-2.3	0.9	-4.4
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-4.5	-2.6	-1.9	-1.7	-1.1	-1.0	-1.0	-0.9	-0.8	0.7	-1.7
USGS7380251 Barataria Bay North of Grand Isle	-0.5	-2.6	-1.4	-0.8	-0.8	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.8	-4.1	-1.8	-0.9	-1.5	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.6
USGS 07380335 - Little Lake Near Cutoff	-0.4	-3.2	-1.3	-0.6	-1.1	-0.1	0.0	0.0	-0.1	-0.1	-0.2	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-1.3	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.5	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.2	-0.8	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	-1.3	-0.5	-0.2	-0.6	0.0	0.6	0.2	0.3	0.3	0.3	0.4
CRMS 0258	-0.1	-1.1	-0.1	-0.1	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 0224	-0.2	-2.5	-0.6	-0.4	-0.4	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
CRMS 0163	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.1
CRMS 0162	-0.2	0.1	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	-0.6	0.0	-0.1

Figure WQ TEMP 103 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.4
CRMS0276 - Just east of Wilkinson Canal	11.8	14.0	16.3	20.2	24.4	28.2	29.1	29.7	28.3	23.9	16.9	17.6
Barataria Waterway at Lafitte (USACE82875)	9.8	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.4	15.9	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.7	23.8	27.5	28.5	28.9	27.7	22.8	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.7	16.7	20.4	24.3	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.1	14.5	16.6	20.3	24.5	28.2	29.6	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.7	28.9	29.2	27.9	23.1	15.5	16.5
CRMS 0258	8.5	12.7	14.0	18.5	22.0	25.3	25.9	26.3	26.8	22.4	14.3	15.1
CRMS 0224	10.1	14.4	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.2	8.6	11.7	16.6	21.3	26.0	27.6	27.9	26.8	21.6	15.2	12.8
CRMS 0162	7.5	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.2	22.1	16.3	12.4

V3PR6 HYST - cy 2 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.6	20.6	26.1	28.8	28.2	26.6	20.0	14.8	11.0
CRMS0276 - Just east of Wilkinson Canal	10.6	13.2	16.1	20.1	24.4	28.1	29.1	29.6	28.3	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	11.9	14.8	19.4	23.8	28.0	29.1	29.5	28.1	23.3	15.9	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.0	10.4	15.0	20.9	26.1	28.4	27.5	26.3	21.5	14.6	13.7
USGS7380251 Barataria Bay North of Grand Isle	7.5	8.5	11.8	16.7	22.2	26.8	28.4	28.5	27.5	22.6	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.0	7.9	11.2	16.3	21.8	26.5	28.5	28.7	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	7.9	8.7	12.2	17.3	22.7	27.0	28.7	29.3	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	9.6	12.3	15.5	20.0	24.4	28.0	29.1	29.5	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.3	12.9	16.0	20.1	24.5	28.2	29.3	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	12.2	12.5	15.6	19.7	24.4	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	8.2	10.0	13.0	18.1	23.0	26.9	28.2	28.6	27.8	23.1	15.5	16.4
CRMS 0258	7.5	9.9	12.8	17.8	22.3	26.2	27.3	26.8	26.8	22.3	14.3	15.0
CRMS 0224	7.8	9.0	12.9	17.7	22.7	26.8	28.1	28.6	27.5	22.9	15.4	16.3
CRMS 0163	8.3	8.7	11.8	16.8	21.4	26.1	27.6	27.9	26.8	21.5	15.3	12.9
CRMS 0162	7.6	8.4	11.7	16.6	21.4	26.1	28.2	28.0	27.1	21.4	16.2	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.6	-4.9	-4.9	-2.8	-1.2	0.9	-0.2	-0.8	-2.3	0.8	-4.4
CRMS0276 - Just east of Wilkinson Canal	-1.2	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.4	-6.5	-4.7	-4.4	-2.4	-1.0	0.5	-0.8	-0.9	-0.8	0.8	-1.7
USGS7380251 Barataria Bay North of Grand Isle	-2.2	-5.0	-4.0	-2.9	-1.6	-0.7	-0.1	-0.3	-0.2	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.0	-6.8	-5.4	-4.1	-2.4	-1.3	-0.3	-0.6	-0.2	-0.3	-0.3	-0.6
USGS 07380335 - Little Lake Near Cutoff	-3.7	-6.4	-5.0	-3.4	-2.1	-1.2	-0.6	-0.6	0.0	-0.1	-0.2	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.7	-2.9	-1.7	-0.8	-0.3	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.4	-1.7	-0.9	-0.5	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-2.0	-2.0	-1.1	-0.6	-0.1	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1
CRMS 3985	-1.9	-3.6	-3.3	-2.0	-1.2	-0.8	-0.8	-0.6	-0.1	0.0	0.0	0.0
CRMS 0258	-1.0	-2.8	-1.2	-0.7	0.3	0.9	1.5	0.6	-0.1	-0.1	-0.1	-0.1
CRMS 0224	-2.4	-5.5	-3.4	-2.4	-1.2	-0.7	-0.2	-0.3	-0.1	-0.1	-0.1	-0.2
CRMS 0163	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	-0.1	0.1	0.1
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.6	-0.1	-0.3

Figure WQ TEMP 104 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.5	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	15.2	16.5	20.1	24.3	28.2	29.1	29.6	28.3	23.9	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.1	14.6	19.2	23.5	27.9	29.1	29.5	28.1	23.4	15.9	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.4	27.2	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.7	19.6	23.9	27.5	28.5	28.9	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.3	27.8	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.3	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.7	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.8	15.9	16.8	20.2	24.4	28.1	29.6	30.2	28.8	24.9	18.8	18.1
CRMS 3985	10.2	13.6	16.1	20.1	24.1	27.6	28.9	29.2	27.9	23.1	15.6	16.4
CRMS 0258	9.1	13.9	14.0	18.5	22.1	25.5	25.9	26.7	27.2	22.4	14.2	13.9
CRMS 0224	10.2	14.6	16.3	20.1	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	9.1	10.2	11.7	16.5	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.5
CRMS 0162	9.1	10.5	11.5	16.5	21.2	26.0	28.3	28.0	27.3	23.1	16.2	10.8

V3PR6 HYST - cy 2 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	8.4	10.2	14.6	20.7	26.1	28.9	28.1	26.6	20.2	14.7	9.1
CRMS0276 - Just east of Wilkinson Canal	11.9	15.2	16.1	20.0	24.1	28.1	29.1	29.6	28.3	23.9	16.9	16.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.0	14.7	19.3	23.5	27.9	29.1	29.5	28.1	23.4	15.9	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	11.4	10.6	14.9	20.9	26.2	28.4	27.4	26.3	21.5	14.5	9.5
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.2	12.1	16.5	21.9	26.6	28.4	28.7	27.6	22.6	14.8	11.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	14.1	11.6	16.1	21.5	26.4	28.5	29.0	27.8	23.1	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	12.6	17.1	22.2	26.9	28.8	29.8	28.4	23.9	16.5	11.5
USGS073802516 Barataria Pass at Grand Isle	11.2	15.1	15.7	20.0	24.2	28.0	29.1	29.6	28.3	23.7	16.3	15.1
HWQ14 - Lake Washington	10.7	14.6	16.1	20.1	24.4	28.0	29.3	29.7	28.4	23.7	15.8	15.9
HWQ16 - Bayou Grand Liard	14.6	15.8	15.9	19.7	24.1	28.1	29.5	30.1	28.8	24.8	18.6	16.2
CRMS 3985	10.1	13.6	13.1	18.0	22.7	26.8	28.2	29.1	27.8	23.1	15.5	12.6
CRMS 0258	9.0	13.8	13.0	17.7	22.3	26.4	27.4	26.7	27.2	22.3	14.2	12.1
CRMS 0224	10.0	14.4	13.2	17.4	22.2	26.6	28.1	28.8	27.6	22.9	15.3	12.0
CRMS 0163	9.0	10.1	11.8	16.6	21.3	26.1	27.6	27.9	26.8	21.8	15.3	11.7
CRMS 0162	9.0	10.1	11.6	16.6	21.2	26.0	28.3	28.0	27.1	22.7	16.1	10.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-5.2	-4.8	-4.9	-2.8	-1.2	0.9	-0.3	-0.8	-2.2	0.8	-6.2
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	-0.4	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.9
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-2.1	-4.5	-4.5	-2.5	-1.0	0.5	-1.0	-0.9	-0.7	0.8	-5.8
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.4	-3.6	-3.1	-1.9	-0.8	-0.1	-0.1	-0.2	-0.2	-0.4	-4.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-0.6	-5.0	-4.3	-2.7	-1.4	-0.3	-0.3	-0.2	-0.3	-0.4	-6.3
USGS 07380335 - Little Lake Near Cutoff	-0.3	-0.2	-4.6	-3.7	-2.6	-1.4	-0.5	-0.1	0.0	0.0	-0.2	-5.9
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.4	-0.8	-0.5	-0.2	-0.1	0.0	0.0	0.0	-0.1	-2.1
HWQ14 - Lake Washington	0.0	-0.1	-0.8	-0.6	-0.4	-0.3	-0.1	0.0	0.0	0.0	0.0	-1.0
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.9	-0.5	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-1.9
CRMS 3985	-0.1	0.0	-3.0	-2.1	-1.4	-0.8	-0.7	-0.2	-0.1	0.0	-0.1	-3.8
CRMS 0258	-0.1	-0.1	-1.0	-0.8	0.2	0.9	1.5	0.1	0.0	0.0	-0.1	-1.8
CRMS 0224	-0.1	-0.2	-3.1	-2.7	-1.7	-0.8	-0.2	-0.1	-0.1	-0.1	-0.1	-4.4
CRMS 0163	-0.1	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
CRMS 0162	-0.1	-0.4	0.1	0.1	0.0	0.0	0.0	0.0	-0.2	-0.4	-0.1	0.1

Figure WQ TEMP 105 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.3	13.6	15.3
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.2	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.8	16.7
Barataria Waterway at Lafitte (USACE82875)	9.6	12.6	14.2	19.2	23.8	28.0	29.0	29.5	28.1	23.4	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.5	15.7	19.7	23.9	27.5	28.7	29.1	27.7	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.0	15.2	16.4	20.1	24.5	28.2	29.6	30.1	28.9	24.9	18.5	17.7
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.7	29.1	29.2	27.8	23.0	15.4	16.2
CRMS 0258	8.5	12.6	14.0	18.5	22.0	25.2	27.6	28.5	27.2	22.0	13.2	14.1
CRMS 0224	10.1	14.5	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.1	27.4	27.8	26.8	21.6	15.0	11.2
CRMS 0162	7.4	9.3	11.1	16.3	21.5	26.1	28.1	28.2	27.4	22.2	15.4	10.4

V3PR7 HYST - cy 2 - 1985 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	7.1	10.1	14.6	20.7	26.1	28.3	27.9	26.6	20.0	14.6	9.0
CRMS0276 - Just east of Wilkinson Canal	10.4	14.5	15.7	20.0	24.3	28.2	29.2	29.7	28.3	23.9	16.5	15.6
Barataria Waterway at Lafitte (USACE82875)	9.8	12.7	14.4	19.3	23.9	28.0	29.1	29.5	28.1	23.4	15.8	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	8.8	10.4	15.0	21.1	26.1	27.0	27.2	26.3	21.1	14.4	9.3
USGS7380251 Barataria Bay North of Grand Isle	7.3	10.4	11.4	16.5	22.4	27.1	28.5	28.9	27.6	22.5	14.6	10.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.8	9.8	11.0	16.0	21.9	27.1	28.6	29.1	27.8	22.8	14.7	10.2
USGS 07380335 - Little Lake Near Cutoff	7.6	11.2	11.6	16.9	22.8	27.7	29.2	29.9	28.4	23.8	15.2	10.9
USGS073802516 Barataria Pass at Grand Isle	9.5	13.9	15.0	19.9	24.4	28.1	29.1	29.6	28.3	23.7	15.7	14.6
HWQ14 - Lake Washington	10.1	14.0	15.6	20.0	24.5	28.3	29.4	29.7	28.4	23.7	15.7	15.4
HWQ16 - Bayou Grand Liard	11.8	14.6	14.9	19.5	24.4	28.2	29.6	30.1	28.8	24.8	17.7	15.2
CRMS 3985	7.9	11.9	12.4	17.9	23.1	27.3	28.9	29.3	27.8	23.0	14.8	12.1
CRMS 0258	7.4	11.3	12.4	17.6	22.3	25.6	27.6	28.5	27.2	22.0	13.2	11.8
CRMS 0224	7.5	11.5	12.0	17.2	22.8	27.2	28.2	28.9	27.5	22.8	14.6	11.1
CRMS 0163	8.1	9.4	11.5	16.5	21.5	26.1	27.4	27.8	26.9	21.5	15.0	11.2
CRMS 0162	7.6	9.3	11.1	16.4	21.5	26.1	28.2	28.1	27.3	21.9	15.4	10.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.2	-4.9	-4.9	-2.8	-1.2	0.3	-0.5	-0.8	-2.3	1.0	-6.3
CRMS0276 - Just east of Wilkinson Canal	-1.4	0.0	-0.5	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3	-1.2
Barataria Waterway at Lafitte (USACE82875)	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.4	-4.7	-4.7	-4.5	-2.2	-0.9	-0.9	-1.1	-0.9	-1.2	0.8	-6.0
USGS7380251 Barataria Bay North of Grand Isle	-2.4	-3.1	-4.3	-3.2	-1.5	-0.4	-0.1	-0.2	-0.1	-0.3	-0.4	-5.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.1	-4.8	-5.7	-4.4	-2.3	-0.6	-0.2	-0.2	-0.2	-0.6	-1.3	-6.7
USGS 07380335 - Little Lake Near Cutoff	-4.0	-3.9	-5.5	-3.8	-2.0	-0.6	-0.1	0.0	0.0	-0.2	-1.4	-6.5
USGS073802516 Barataria Pass at Grand Isle	-1.8	-1.2	-2.1	-0.9	-0.3	0.0	0.0	0.0	0.0	0.0	-0.6	-2.6
HWQ14 - Lake Washington	-0.6	-0.6	-1.3	-0.7	-0.2	0.0	0.0	0.0	0.0	0.0	-0.2	-1.6
HWQ16 - Bayou Grand Liard	-2.2	-0.6	-1.5	-0.6	-0.1	0.0	0.0	0.0	0.0	0.0	-0.8	-2.4
CRMS 3985	-2.2	-1.7	-3.8	-2.2	-1.1	-0.4	-0.1	0.1	0.1	0.0	-0.6	-4.2
CRMS 0258	-1.1	-1.3	-1.6	-0.9	0.2	0.4	0.0	0.0	0.0	0.0	0.1	-2.2
CRMS 0224	-2.7	-3.0	-4.3	-2.9	-1.1	-0.3	-0.1	0.0	-0.1	-0.2	-0.7	-5.4
CRMS 0163	0.2	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.3	0.0	0.1

Figure WQ TEMP 106 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.4	13.9	15.2
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.2	20.1	24.3	28.2	29.1	29.7	28.3	23.9	16.9	17.4
Barataria Waterway at Lafitte (USACE82875)	10.0	12.0	14.2	19.1	23.6	28.0	29.0	29.5	28.1	23.5	15.9	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.5	23.4	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.6	23.9	27.5	28.6	29.0	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.5	14.8	16.3	20.1	24.4	28.1	29.6	30.1	28.8	24.9	18.7	18.4
CRMS 3985	10.2	13.6	16.2	20.1	24.1	27.7	29.1	29.3	27.9	23.1	15.5	16.4
CRMS 0258	8.6	12.6	14.1	18.5	22.1	26.0	27.2	28.5	27.2	22.3	14.3	14.1
CRMS 0224	10.1	14.4	16.3	20.0	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.6	8.8	11.5	16.4	21.3	26.1	27.5	27.9	26.9	21.9	15.3	12.2
CRMS 0162	8.1	8.6	11.1	16.3	21.3	26.1	28.1	28.1	27.5	23.0	16.1	11.5

V3PR7 HYST - cy 2 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.1	28.1	27.9	26.6	20.3	14.6	9.8
CRMS0276 - Just east of Wilkinson Canal	11.6	13.5	15.6	20.0	24.1	28.2	29.1	29.7	28.3	23.9	16.9	17.0
Barataria Waterway at Lafitte (USACE82875)	10.1	12.2	14.4	19.3	23.7	28.0	29.1	29.5	28.1	23.4	15.9	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	6.9	7.2	10.4	15.0	20.9	26.1	26.9	27.2	26.3	21.6	14.2	11.5
USGS7380251 Barataria Bay North of Grand Isle	8.2	8.7	11.4	16.4	22.0	27.3	28.5	28.8	27.6	22.6	14.8	13.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.3	8.1	11.0	15.9	21.5	27.3	28.6	29.1	27.8	23.1	15.8	13.1
USGS 07380335 - Little Lake Near Cutoff	9.6	9.0	11.6	16.8	22.2	28.0	29.2	29.9	28.4	23.9	16.5	14.4
USGS073802516 Barataria Pass at Grand Isle	10.4	12.6	14.9	19.9	24.2	28.1	29.1	29.6	28.3	23.7	16.3	16.4
HWQ14 - Lake Washington	10.5	13.2	15.5	19.9	24.4	28.3	29.4	29.7	28.4	23.7	15.8	16.6
HWQ16 - Bayou Grand Liard	13.8	13.1	14.8	19.5	24.1	28.1	29.6	30.2	28.8	24.9	18.6	17.7
CRMS 3985	9.1	10.3	12.4	17.9	22.7	27.6	28.9	29.3	27.9	23.1	15.5	14.8
CRMS 0258	8.2	10.2	12.3	17.6	22.3	26.0	27.2	28.5	27.2	22.3	14.3	13.2
CRMS 0224	8.9	9.4	11.9	17.1	22.2	27.3	28.2	28.9	27.5	22.9	15.3	14.2
CRMS 0163	8.6	8.9	11.5	16.4	21.3	26.1	27.4	27.8	26.9	21.8	15.3	12.3
CRMS 0162	8.1	8.7	11.2	16.3	21.3	26.1	28.1	28.1	27.4	22.7	16.2	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.5	-4.9	-4.9	-2.8	-1.2	0.1	-0.6	-0.8	-2.1	0.7	-5.4
CRMS0276 - Just east of Wilkinson Canal	-0.3	-0.7	-0.6	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-6.3	-4.8	-4.5	-2.4	-1.0	-1.0	-1.2	-0.9	-0.7	0.5	-3.8
USGS7380251 Barataria Bay North of Grand Isle	-1.6	-4.8	-4.3	-3.2	-1.9	-0.2	-0.1	-0.2	-0.1	-0.2	-0.4	-2.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.7	-6.6	-5.7	-4.4	-2.7	-0.4	-0.2	-0.1	-0.2	-0.3	-0.3	-3.7
USGS 07380335 - Little Lake Near Cutoff	-2.1	-6.1	-5.6	-3.9	-2.6	-0.3	-0.1	0.0	0.0	-0.1	-0.2	-3.0
USGS073802516 Barataria Pass at Grand Isle	-0.9	-2.5	-2.2	-1.0	-0.5	0.0	0.0	0.0	0.0	0.0	-0.1	-0.8
HWQ14 - Lake Washington	-0.2	-1.4	-1.4	-0.7	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	-0.3
HWQ16 - Bayou Grand Liard	-0.7	-1.7	-1.6	-0.6	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.7
CRMS 3985	-1.0	-3.3	-3.9	-2.2	-1.4	-0.2	-0.1	0.0	-0.1	0.0	0.0	-1.6
CRMS 0258	-0.5	-2.5	-1.7	-0.9	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.9
CRMS 0224	-1.2	-5.0	-4.4	-3.0	-1.6	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-2.3
CRMS 0163	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0

Figure WQ TEMP 107 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.3	15.1	19.5	23.4	27.3	28.0	28.5	27.4	22.4	13.7	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	14.7	16.7	20.4	24.4	28.2	29.2	29.7	28.4	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.4	15.8	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.4	23.3	27.0	27.8	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.5	15.9	19.6	23.8	27.6	28.7	29.0	27.6	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.2	27.7	28.7	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.2	17.2	20.8	24.8	28.2	29.3	29.9	28.5	24.0	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	15.4	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.6	18.5
CRMS 3985	10.2	13.6	16.1	20.1	24.2	27.8	28.5	29.1	27.5	22.8	15.2	15.9
CRMS 0258	9.0	12.9	15.0	18.7	22.1	27.3	28.0	28.5	27.2	22.3	13.5	14.4
CRMS 0224	10.2	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.6	23.0	15.4	16.5
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.0	27.3	27.8	27.0	21.6	15.2	12.7
CRMS 0162	9.3	9.2	12.3	17.5	21.6	26.2	28.0	28.3	27.4	22.4	15.6	11.8

V3PR7 HYST - cy 2 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	7.4	10.8	15.5	20.7	25.9	28.1	27.9	26.7	20.1	14.6	11.1
CRMS0276 - Just east of Wilkinson Canal	12.0	14.3	16.8	20.4	24.4	28.2	29.2	29.7	28.3	23.9	16.8	17.4
Barataria Waterway at Lafitte (USACE82875)	10.3	12.8	15.2	19.7	23.9	28.0	29.0	29.5	28.2	23.4	15.8	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.7	9.1	12.8	17.7	21.7	25.9	26.8	27.3	26.3	21.5	14.1	13.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	10.9	14.4	18.9	23.0	27.5	28.6	28.9	27.6	22.6	14.6	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	10.6	14.8	19.4	22.7	27.5	28.6	29.1	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	11.5	12.0	15.9	20.2	23.6	28.2	29.2	29.8	28.4	23.9	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	11.1	13.9	16.8	20.6	24.6	28.2	29.1	29.6	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.7	14.1	16.8	20.5	24.7	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.6	14.6	17.2	20.3	24.5	28.1	29.5	30.1	28.9	24.8	18.5	18.4
CRMS 3985	10.1	12.3	15.6	19.9	23.6	27.8	29.1	29.3	27.8	23.1	15.4	16.3
CRMS 0258	8.9	11.8	14.9	18.6	22.3	27.3	28.0	28.5	27.2	22.3	13.4	14.2
CRMS 0224	10.0	12.0	15.8	19.7	23.4	27.5	28.3	28.9	27.5	22.9	15.3	16.3
CRMS 0163	9.1	9.7	12.1	17.2	21.5	26.0	27.3	27.8	26.9	21.5	15.2	12.6
CRMS 0162	9.1	9.3	12.2	17.4	21.6	26.1	28.1	28.3	27.4	21.8	15.6	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-6.0	-4.3	-3.9	-2.7	-1.3	0.1	-0.6	-0.6	-2.3	0.9	-4.2
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.4	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-4.3	-2.3	-1.7	-1.5	-1.1	-1.0	-1.0	-0.9	-0.8	0.4	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-2.6	-1.4	-0.8	-0.8	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.8	-4.1	-1.8	-0.9	-1.5	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.6
USGS 07380335 - Little Lake Near Cutoff	-0.4	-3.2	-1.3	-0.6	-1.2	-0.1	0.0	0.0	-0.1	-0.1	-0.2	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-1.3	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.5	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.2	-0.8	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	-1.3	-0.5	-0.2	-0.6	0.0	0.6	0.3	0.3	0.2	0.2	0.4
CRMS 0258	-0.1	-1.1	-0.1	-0.1	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 0224	-0.2	-2.5	-0.6	-0.4	-0.4	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	-0.2
CRMS 0163	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1
CRMS 0162	-0.2	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	-0.1

Figure WQ TEMP 108 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.4
CRMS0276 - Just east of Wilkinson Canal	11.8	14.0	16.3	20.2	24.4	28.2	29.1	29.7	28.3	23.9	16.9	17.6
Barataria Waterway at Lafitte (USACE82875)	9.8	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.4	15.9	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.7	23.8	27.5	28.5	28.9	27.7	22.8	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.7	16.7	20.4	24.3	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.1	14.5	16.6	20.3	24.5	28.2	29.6	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.7	28.9	29.2	27.9	23.1	15.5	16.5
CRMS 0258	8.5	12.7	14.0	18.5	22.0	25.3	25.9	26.3	26.8	22.4	14.3	15.1
CRMS 0224	10.1	14.4	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.2	8.6	11.7	16.6	21.3	26.0	27.6	27.9	26.8	21.6	15.2	12.8
CRMS 0162	7.5	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.2	22.1	16.3	12.4

V3PR7 HYST - cy 2 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.6	20.6	26.1	28.8	28.1	26.5	20.1	14.8	11.1
CRMS0276 - Just east of Wilkinson Canal	10.6	13.2	16.1	20.1	24.4	28.2	29.1	29.6	28.3	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	11.9	14.9	19.5	23.8	28.0	29.1	29.5	28.1	23.3	15.9	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.1	10.5	15.2	21.0	26.1	28.3	27.6	26.4	21.5	14.3	13.9
USGS7380251 Barataria Bay North of Grand Isle	7.5	8.5	11.7	16.7	22.2	26.8	28.4	28.5	27.5	22.6	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.0	7.9	11.2	16.3	21.8	26.5	28.5	28.7	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	7.9	8.7	12.2	17.3	22.7	27.0	28.8	29.3	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	9.6	12.3	15.5	20.0	24.4	28.0	29.1	29.5	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.3	12.9	16.0	20.1	24.5	28.2	29.3	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	12.2	12.5	15.5	19.7	24.4	28.1	29.5	30.1	28.8	24.8	18.7	18.4
CRMS 3985	8.2	10.0	13.0	18.2	23.0	26.8	28.2	28.7	27.8	23.1	15.5	16.4
CRMS 0258	7.6	9.9	12.8	17.8	22.3	26.2	27.3	26.8	26.8	22.3	14.3	15.0
CRMS 0224	7.8	9.0	12.9	17.7	22.7	26.8	28.1	28.6	27.6	22.9	15.3	16.4
CRMS 0163	8.3	8.7	11.8	16.7	21.4	26.1	27.6	27.9	26.8	21.5	15.3	12.9
CRMS 0162	7.6	8.4	11.6	16.6	21.4	26.1	28.2	28.0	27.0	21.3	16.2	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.6	-4.9	-4.9	-2.8	-1.2	0.9	-0.2	-0.8	-2.3	0.8	-4.4
CRMS0276 - Just east of Wilkinson Canal	-1.2	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-6.4	-4.6	-4.3	-2.3	-1.0	0.4	-0.8	-0.8	-0.8	0.5	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-2.2	-5.0	-4.0	-2.9	-1.6	-0.7	-0.1	-0.3	-0.2	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.0	-6.8	-5.5	-4.1	-2.4	-1.2	-0.3	-0.6	-0.2	-0.3	-0.3	-0.6
USGS 07380335 - Little Lake Near Cutoff	-3.7	-6.4	-5.0	-3.4	-2.1	-1.2	-0.6	-0.5	0.0	-0.1	-0.2	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.7	-2.9	-1.7	-0.8	-0.3	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.4	-1.7	-0.9	-0.5	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-2.0	-2.0	-1.1	-0.6	-0.1	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1
CRMS 3985	-1.9	-3.6	-3.3	-1.9	-1.2	-0.8	-0.8	-0.6	-0.1	0.0	0.0	0.0
CRMS 0258	-1.0	-2.8	-1.2	-0.6	0.3	0.9	1.5	0.6	-0.1	-0.1	-0.1	-0.1
CRMS 0224	-2.4	-5.5	-3.4	-2.4	-1.2	-0.7	-0.2	-0.3	-0.1	-0.1	-0.1	-0.2
CRMS 0163	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0
CRMS 0162	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.7	-0.1	-0.3

Figure WQ TEMP 109 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.5	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	15.2	16.5	20.1	24.3	28.2	29.1	29.6	28.3	23.9	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.1	14.6	19.2	23.5	27.9	29.1	29.5	28.1	23.4	15.9	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.4	27.2	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.7	19.6	23.9	27.5	28.5	28.9	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.3	27.8	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.3	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.7	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.8	15.9	16.8	20.2	24.4	28.1	29.6	30.2	28.8	24.9	18.8	18.1
CRMS 3985	10.2	13.6	16.1	20.1	24.1	27.6	28.9	29.2	27.9	23.1	15.6	16.4
CRMS 0258	9.1	13.9	14.0	18.5	22.1	25.5	25.9	26.7	27.2	22.4	14.2	13.9
CRMS 0224	10.2	14.6	16.3	20.1	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	9.1	10.2	11.7	16.5	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.5
CRMS 0162	9.1	10.5	11.5	16.5	21.2	26.0	28.3	28.0	27.3	23.1	16.2	10.8

V3PR7 HYST - cy 2 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	8.4	10.2	14.6	20.7	26.1	28.9	28.1	26.5	20.2	14.7	9.1
CRMS0276 - Just east of Wilkinson Canal	11.9	15.2	16.1	20.1	24.1	28.1	29.1	29.6	28.3	23.9	16.9	16.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.1	14.8	19.4	23.5	27.9	29.1	29.5	28.1	23.4	15.9	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	7.7	11.7	10.7	15.0	20.9	26.2	28.3	27.4	26.3	21.6	14.2	9.6
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	12.1	16.5	21.9	26.6	28.4	28.7	27.6	22.6	14.8	11.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.1	11.6	16.0	21.5	26.4	28.5	29.0	27.8	23.1	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	12.5	17.1	22.2	26.9	28.8	29.8	28.4	23.9	16.5	11.5
USGS073802516 Barataria Pass at Grand Isle	11.2	15.1	15.7	20.0	24.2	28.0	29.1	29.6	28.3	23.7	16.3	15.1
HWQ14 - Lake Washington	10.7	14.6	16.1	20.1	24.4	28.0	29.3	29.7	28.4	23.7	15.8	15.9
HWQ16 - Bayou Grand Liard	14.6	15.8	15.9	19.6	24.1	28.1	29.5	30.1	28.8	24.9	18.6	16.2
CRMS 3985	10.1	13.6	13.0	18.0	22.7	26.8	28.2	29.1	27.8	23.1	15.5	12.6
CRMS 0258	9.0	13.7	13.1	17.7	22.3	26.4	27.4	26.8	27.2	22.3	14.2	12.2
CRMS 0224	10.0	14.4	13.2	17.4	22.2	26.6	28.1	28.8	27.6	22.9	15.3	12.0
CRMS 0163	9.0	10.1	11.7	16.6	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.8
CRMS 0162	9.0	10.1	11.5	16.6	21.2	26.0	28.3	28.0	27.1	22.7	16.1	10.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-5.1	-4.8	-4.9	-2.8	-1.2	0.9	-0.3	-0.8	-2.2	0.8	-6.2
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	-0.4	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.9
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-1.8	-4.4	-4.4	-2.4	-1.0	0.4	-0.9	-0.9	-0.7	0.5	-5.7
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.4	-3.6	-3.1	-1.9	-0.8	-0.1	-0.1	-0.2	-0.2	-0.4	-4.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-0.6	-5.0	-4.3	-2.7	-1.4	-0.3	-0.3	-0.2	-0.3	-0.4	-6.3
USGS 07380335 - Little Lake Near Cutoff	-0.3	-0.2	-4.6	-3.7	-2.6	-1.4	-0.5	-0.1	0.0	-0.1	-0.2	-5.9
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.4	-0.8	-0.5	-0.2	-0.1	0.0	0.0	0.0	-0.1	-2.1
HWQ14 - Lake Washington	0.0	-0.1	-0.8	-0.6	-0.4	-0.3	-0.1	0.0	0.0	0.0	0.0	-1.0
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.9	-0.5	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-1.9
CRMS 3985	-0.1	0.0	-3.0	-2.1	-1.4	-0.8	-0.7	-0.2	-0.1	0.0	-0.1	-3.8
CRMS 0258	-0.1	-0.1	-1.0	-0.8	0.2	1.0	1.5	0.1	0.0	0.0	-0.1	-1.8
CRMS 0224	-0.1	-0.2	-3.1	-2.7	-1.7	-0.8	-0.2	-0.1	-0.1	-0.1	-0.1	-4.4
CRMS 0163	0.0	-0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.3
CRMS 0162	-0.1	-0.4	0.0	0.1	0.0	0.0	0.0	0.0	-0.2	-0.4	-0.1	0.1

Figure WQ TEMP 110 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.3	13.6	15.3
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.2	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.8	16.7
Barataria Waterway at Lafitte (USACE82875)	9.6	12.6	14.2	19.2	23.8	28.0	29.0	29.5	28.1	23.4	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.5	15.7	19.7	23.9	27.5	28.7	29.1	27.7	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.0	15.2	16.4	20.1	24.5	28.2	29.6	30.1	28.9	24.9	18.5	17.7
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.7	29.1	29.2	27.8	23.0	15.4	16.2
CRMS 0258	8.5	12.6	14.0	18.5	22.0	25.2	27.6	28.5	27.2	22.0	13.2	14.1
CRMS 0224	10.1	14.5	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.1	27.4	27.8	26.8	21.6	15.0	11.2
CRMS 0162	7.4	9.3	11.1	16.3	21.5	26.1	28.1	28.2	27.4	22.2	15.4	10.4

V3PR8 HYST - cy 2 - 1985 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	7.1	10.1	14.6	20.7	26.1	28.3	27.9	26.6	20.1	14.6	9.0
CRMS0276 - Just east of Wilkinson Canal	10.4	14.7	15.6	20.0	24.2	28.2	29.2	29.7	28.4	23.9	16.6	15.5
Barataria Waterway at Lafitte (USACE82875)	10.8	14.5	16.4	20.4	24.3	28.2	29.1	29.6	28.1	23.6	16.1	16.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	8.8	10.4	15.0	21.1	26.2	27.0	27.3	26.3	21.1	14.4	9.3
USGS7380251 Barataria Bay North of Grand Isle	7.2	10.4	11.4	16.5	22.3	27.1	28.5	28.9	27.6	22.4	14.6	10.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.7	9.8	11.0	16.0	21.8	27.1	28.6	29.1	27.8	22.8	14.7	10.1
USGS 07380335 - Little Lake Near Cutoff	7.6	11.2	11.6	16.9	22.7	27.7	29.2	29.9	28.4	23.8	15.2	10.9
USGS073802516 Barataria Pass at Grand Isle	9.5	13.9	15.1	19.9	24.4	28.1	29.1	29.6	28.3	23.7	15.7	14.6
HWQ14 - Lake Washington	10.0	13.8	15.2	19.8	24.5	28.3	29.4	29.7	28.4	23.7	15.6	15.0
HWQ16 - Bayou Grand Liard	11.8	14.7	15.0	19.5	24.4	28.1	29.6	30.1	28.9	24.8	17.7	15.3
CRMS 3985	8.0	11.9	12.5	18.0	23.1	27.3	28.9	29.3	27.8	23.1	14.8	12.1
CRMS 0258	7.3	11.2	12.3	17.6	22.3	25.6	27.6	28.5	27.2	22.0	13.3	11.7
CRMS 0224	7.5	11.5	12.0	17.1	22.8	27.2	28.3	28.9	27.5	22.8	14.7	11.1
CRMS 0163	8.0	9.4	11.4	16.4	21.4	26.1	27.4	27.8	26.8	21.4	15.0	11.2
CRMS 0162	7.6	9.3	11.2	16.4	21.5	26.1	28.2	28.1	27.4	21.9	15.5	10.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.2	-4.9	-4.9	-2.8	-1.2	0.3	-0.6	-0.8	-2.3	1.0	-6.3
CRMS0276 - Just east of Wilkinson Canal	-1.3	0.1	-0.6	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	-1.2
Barataria Waterway at Lafitte (USACE82875)	1.2	1.9	2.2	1.2	0.5	0.3	0.1	0.1	0.0	0.2	0.3	2.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.4	-4.7	-4.7	-4.5	-2.2	-0.9	-0.9	-1.0	-0.9	-1.1	0.8	-6.0
USGS7380251 Barataria Bay North of Grand Isle	-2.4	-3.1	-4.3	-3.2	-1.5	-0.4	-0.1	-0.2	-0.1	-0.4	-0.4	-5.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.2	-4.8	-5.7	-4.4	-2.4	-0.7	-0.2	-0.2	-0.2	-0.6	-1.4	-6.7
USGS 07380335 - Little Lake Near Cutoff	-4.1	-3.9	-5.5	-3.8	-2.1	-0.6	-0.1	0.0	0.0	-0.2	-1.4	-6.5
USGS073802516 Barataria Pass at Grand Isle	-1.8	-1.2	-2.0	-0.9	-0.3	0.0	0.0	0.0	0.0	-0.1	-0.7	-2.6
HWQ14 - Lake Washington	-0.7	-0.8	-1.6	-0.9	-0.3	-0.1	0.0	0.0	0.0	0.0	-0.2	-1.9
HWQ16 - Bayou Grand Liard	-2.2	-0.5	-1.4	-0.6	-0.1	0.0	0.0	0.0	0.0	0.0	-0.8	-2.4
CRMS 3985	-2.2	-1.7	-3.8	-2.1	-1.1	-0.5	-0.1	0.1	0.1	0.1	-0.6	-4.1
CRMS 0258	-1.2	-1.4	-1.7	-0.9	0.2	0.5	0.0	0.0	0.0	0.0	0.1	-2.3
CRMS 0224	-2.7	-3.0	-4.3	-2.9	-1.1	-0.3	-0.1	-0.1	-0.1	-0.2	-0.7	-5.4
CRMS 0163	0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0
CRMS 0162	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.4	0.1	0.1

Figure WQ TEMP 111 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.4	13.9	15.2
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.2	20.1	24.3	28.2	29.1	29.7	28.3	23.9	16.9	17.4
Barataria Waterway at Lafitte (USACE82875)	10.0	12.0	14.2	19.1	23.6	28.0	29.0	29.5	28.1	23.5	15.9	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.5	23.4	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.6	23.9	27.5	28.6	29.0	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.5	14.8	16.3	20.1	24.4	28.1	29.6	30.1	28.8	24.9	18.7	18.4
CRMS 3985	10.2	13.6	16.2	20.1	24.1	27.7	29.1	29.3	27.9	23.1	15.5	16.4
CRMS 0258	8.6	12.6	14.1	18.5	22.1	26.0	27.2	28.5	27.2	22.3	14.3	14.1
CRMS 0224	10.1	14.4	16.3	20.0	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.6	8.8	11.5	16.4	21.3	26.1	27.5	27.9	26.9	21.9	15.3	12.2
CRMS 0162	8.1	8.6	11.1	16.3	21.3	26.1	28.1	28.1	27.5	23.0	16.1	11.5

V3PR8 HYST - cy 2 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.1	28.1	27.9	26.6	20.3	14.7	9.9
CRMS0276 - Just east of Wilkinson Canal	11.7	13.5	15.5	20.0	24.1	28.2	29.2	29.7	28.4	23.9	17.0	17.1
Barataria Waterway at Lafitte (USACE82875)	10.9	14.3	16.4	20.4	24.3	28.2	29.1	29.6	28.1	23.6	16.1	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	6.8	7.2	10.4	15.0	20.9	26.1	26.9	27.2	26.3	21.4	14.2	11.5
USGS7380251 Barataria Bay North of Grand Isle	8.2	8.8	11.4	16.4	22.0	27.3	28.5	28.8	27.6	22.6	14.8	13.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.2	8.0	11.0	15.9	21.5	27.3	28.6	29.1	27.8	23.1	15.8	13.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.0	11.6	16.8	22.2	28.0	29.2	29.9	28.4	24.0	16.5	14.4
USGS073802516 Barataria Pass at Grand Isle	10.3	12.7	15.0	19.9	24.3	28.1	29.1	29.6	28.3	23.7	16.3	16.4
HWQ14 - Lake Washington	10.4	12.9	15.1	19.7	24.2	28.3	29.4	29.7	28.3	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	13.8	13.1	14.8	19.5	24.1	28.1	29.5	30.1	28.9	24.9	18.7	17.7
CRMS 3985	9.1	10.4	12.4	17.9	22.7	27.6	29.0	29.3	27.9	23.1	15.5	14.9
CRMS 0258	8.1	10.1	12.3	17.5	22.3	26.0	27.2	28.5	27.2	22.3	14.2	13.2
CRMS 0224	8.9	9.4	11.9	17.1	22.2	27.3	28.2	28.9	27.5	22.9	15.3	14.2
CRMS 0163	8.5	8.9	11.4	16.3	21.2	26.0	27.4	27.8	26.8	21.8	15.3	12.3
CRMS 0162	8.2	8.8	11.3	16.3	21.3	26.1	28.1	28.1	27.5	22.7	16.1	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.5	-4.9	-4.9	-2.8	-1.2	0.1	-0.6	-0.8	-2.1	0.8	-5.3
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.6	-0.7	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.1	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.9	2.3	2.2	1.2	0.7	0.2	0.1	0.1	0.0	0.2	0.2	1.6
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-6.3	-4.7	-4.5	-2.4	-1.0	-1.0	-1.1	-0.9	-0.8	0.4	-3.8
USGS7380251 Barataria Bay North of Grand Isle	-1.5	-4.7	-4.3	-3.2	-1.9	-0.2	-0.1	-0.2	-0.1	-0.2	-0.4	-2.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.7	-6.6	-5.7	-4.5	-2.7	-0.4	-0.2	-0.1	-0.2	-0.3	-0.3	-3.8
USGS 07380335 - Little Lake Near Cutoff	-2.1	-6.1	-5.6	-3.9	-2.6	-0.3	-0.1	0.0	0.0	0.0	-0.2	-3.1
USGS073802516 Barataria Pass at Grand Isle	-1.0	-2.5	-2.1	-0.9	-0.5	0.0	0.0	0.0	0.0	0.0	-0.1	-0.8
HWQ14 - Lake Washington	-0.2	-1.7	-1.7	-0.9	-0.6	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
HWQ16 - Bayou Grand Liard	-0.7	-1.7	-1.5	-0.6	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.6
CRMS 3985	-1.0	-3.2	-3.8	-2.2	-1.4	-0.1	-0.1	0.0	0.0	0.0	0.0	-1.5
CRMS 0258	-0.5	-2.5	-1.8	-1.0	0.1	0.1	0.0	0.0	0.0	-0.1	-0.1	-0.9
CRMS 0224	-1.2	-5.0	-4.4	-3.0	-1.6	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-2.3
CRMS 0163	-0.1	0.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.1
CRMS 0162	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0

Figure WQ TEMP 112 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.3	15.1	19.5	23.4	27.3	28.0	28.5	27.4	22.4	13.7	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	14.7	16.7	20.4	24.4	28.2	29.2	29.7	28.4	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.4	15.8	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.4	23.3	27.0	27.8	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.5	15.9	19.6	23.8	27.6	28.7	29.0	27.6	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.2	27.7	28.7	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.2	17.2	20.8	24.8	28.2	29.3	29.9	28.5	24.0	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	15.4	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.6	18.5
CRMS 3985	10.2	13.6	16.1	20.1	24.2	27.8	28.5	29.1	27.5	22.8	15.2	15.9
CRMS 0258	9.0	12.9	15.0	18.7	22.1	27.3	28.0	28.5	27.2	22.3	13.5	14.4
CRMS 0224	10.2	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.6	23.0	15.4	16.5
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.0	27.3	27.8	27.0	21.6	15.2	12.7
CRMS 0162	9.3	9.2	12.3	17.5	21.6	26.2	28.0	28.3	27.4	22.4	15.6	11.8

V3PR8 HYST - cy 2 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	7.4	10.8	15.5	20.7	25.9	28.1	27.8	26.7	20.1	14.6	11.1
CRMS0276 - Just east of Wilkinson Canal	12.0	14.5	16.8	20.4	24.4	28.2	29.2	29.7	28.4	23.9	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	11.0	14.5	16.6	20.5	24.3	28.2	29.1	29.6	28.1	23.6	16.1	16.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.7	9.1	12.8	17.6	21.7	25.9	26.7	27.2	26.3	21.4	14.0	13.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	10.9	14.4	18.8	23.0	27.5	28.6	28.9	27.6	22.6	14.6	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	10.5	14.8	19.4	22.7	27.5	28.6	29.1	27.8	23.1	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	11.5	11.9	15.9	20.1	23.6	28.2	29.2	29.9	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	11.1	13.9	16.8	20.6	24.6	28.2	29.1	29.6	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.6	14.0	16.7	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.7	14.6	17.1	20.3	24.5	28.1	29.5	30.1	28.9	24.8	18.6	18.4
CRMS 3985	10.1	12.3	15.7	19.9	23.6	27.8	29.1	29.3	27.9	23.1	15.5	16.4
CRMS 0258	8.9	11.7	14.9	18.6	22.3	27.3	28.0	28.5	27.2	22.3	13.4	14.3
CRMS 0224	10.0	12.0	15.8	19.7	23.5	27.5	28.3	28.9	27.5	22.9	15.3	16.3
CRMS 0163	8.9	9.5	12.0	17.1	21.4	26.0	27.2	27.8	26.9	21.5	15.1	12.5
CRMS 0162	9.2	9.3	12.3	17.4	21.6	26.1	28.1	28.3	27.5	21.8	15.6	11.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-6.0	-4.3	-3.9	-2.7	-1.4	0.1	-0.6	-0.7	-2.2	0.9	-4.2
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.6	1.8	1.5	0.8	0.4	0.2	0.1	0.1	0.0	0.2	0.2	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-4.3	-2.3	-1.8	-1.5	-1.1	-1.1	-1.1	-0.9	-0.8	0.3	-1.5
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-2.6	-1.4	-0.8	-0.8	-0.1	0.0	-0.1	-0.1	-0.2	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.8	-4.1	-1.9	-0.9	-1.6	-0.2	-0.2	-0.2	-0.2	-0.3	-0.3	-0.6
USGS 07380335 - Little Lake Near Cutoff	-0.4	-3.3	-1.3	-0.6	-1.2	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.2	-1.3	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.6	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
HWQ16 - Bayou Grand Liard	-0.2	-0.8	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 3985	-0.1	-1.3	-0.5	-0.2	-0.6	0.0	0.6	0.3	0.4	0.3	0.3	0.4
CRMS 0258	-0.1	-1.2	-0.2	-0.1	0.2	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
CRMS 0224	-0.2	-2.5	-0.6	-0.3	-0.4	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
CRMS 0163	-0.2	-0.1	-0.2	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	-0.2	0.0	-0.1
CRMS 0162	-0.2	0.1	-0.1	0.0	0.0	0.0	0.1	0.0	0.1	-0.6	0.0	-0.2

Figure WQ TEMP 113 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.4
CRMS0276 - Just east of Wilkinson Canal	11.8	14.0	16.3	20.2	24.4	28.2	29.1	29.7	28.3	23.9	16.9	17.6
Barataria Waterway at Lafitte (USACE82875)	9.8	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.4	15.9	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.7	23.8	27.5	28.5	28.9	27.7	22.8	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.7	16.7	20.4	24.3	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.1	14.5	16.6	20.3	24.5	28.2	29.6	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.7	28.9	29.2	27.9	23.1	15.5	16.5
CRMS 0258	8.5	12.7	14.0	18.5	22.0	25.3	25.9	26.3	26.8	22.4	14.3	15.1
CRMS 0224	10.1	14.4	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.2	8.6	11.7	16.6	21.3	26.0	27.6	27.9	26.8	21.6	15.2	12.8
CRMS 0162	7.5	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.2	22.1	16.3	12.4

V3PR8 HYST - cy 2 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.6	20.6	26.1	28.8	28.1	26.5	20.1	14.8	11.1
CRMS0276 - Just east of Wilkinson Canal	10.7	13.3	16.0	20.1	24.3	28.2	29.1	29.7	28.4	23.9	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.9	14.2	16.5	20.4	24.3	28.3	29.2	29.6	28.2	23.6	16.1	16.9
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.1	10.5	15.2	21.0	26.1	28.3	27.6	26.4	21.5	14.1	13.8
USGS7380251 Barataria Bay North of Grand Isle	7.5	8.5	11.8	16.7	22.2	26.8	28.4	28.5	27.5	22.6	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.9	7.9	11.2	16.2	21.8	26.5	28.5	28.7	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	7.9	8.7	12.2	17.3	22.6	27.0	28.8	29.3	28.4	24.0	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	9.6	12.3	15.5	20.0	24.4	28.0	29.0	29.5	28.3	23.7	16.3	17.1
HWQ14 - Lake Washington	10.2	12.5	15.7	20.0	24.4	28.1	29.2	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	12.2	12.6	15.5	19.7	24.4	28.1	29.5	30.1	28.9	24.8	18.7	18.5
CRMS 3985	8.2	10.1	13.1	18.2	23.0	26.9	28.1	28.6	27.8	23.1	15.5	16.4
CRMS 0258	7.5	9.8	12.7	17.8	22.4	26.3	27.4	26.9	26.8	22.3	14.2	15.0
CRMS 0224	7.8	9.0	12.9	17.7	22.6	26.8	28.1	28.6	27.6	22.9	15.3	16.4
CRMS 0163	8.3	8.6	11.7	16.6	21.3	26.0	27.5	27.8	26.7	21.4	15.4	12.8
CRMS 0162	7.7	8.4	11.7	16.7	21.4	26.1	28.2	28.0	27.0	21.6	16.2	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.6	-4.9	-4.9	-2.8	-1.2	0.9	-0.2	-0.8	-2.3	0.9	-4.3
CRMS0276 - Just east of Wilkinson Canal	-1.1	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	1.0	2.5	2.0	1.1	0.5	0.3	0.1	0.1	0.0	0.2	0.2	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-6.4	-4.6	-4.3	-2.3	-1.0	0.4	-0.8	-0.8	-0.8	0.4	-1.6
USGS7380251 Barataria Bay North of Grand Isle	-2.2	-5.0	-4.0	-2.9	-1.6	-0.7	-0.2	-0.3	-0.2	-0.3	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.0	-6.8	-5.5	-4.1	-2.5	-1.3	-0.3	-0.6	-0.2	-0.3	-0.3	-0.6
USGS 07380335 - Little Lake Near Cutoff	-3.8	-6.4	-5.1	-3.5	-2.1	-1.2	-0.6	-0.5	0.0	0.0	-0.2	-0.2
USGS073802516 Barataria Pass at Grand Isle	-1.7	-2.8	-1.6	-0.8	-0.3	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.5	-2.1	-1.2	-0.7	-0.4	-0.3	-0.2	-0.1	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-2.0	-1.9	-1.1	-0.5	-0.1	0.0	-0.1	-0.1	0.0	0.0	-0.1	0.0
CRMS 3985	-1.9	-3.5	-3.3	-1.9	-1.1	-0.8	-0.8	-0.6	-0.1	0.0	0.0	0.0
CRMS 0258	-1.0	-2.9	-1.3	-0.7	0.3	1.0	1.5	0.6	0.0	-0.1	-0.1	-0.1
CRMS 0224	-2.4	-5.5	-3.4	-2.4	-1.2	-0.7	-0.2	-0.3	-0.1	-0.1	-0.1	-0.2
CRMS 0163	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.1	0.1	0.0
CRMS 0162	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5	-0.1	-0.3

Figure WQ TEMP 114 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.5	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	15.2	16.5	20.1	24.3	28.2	29.1	29.6	28.3	23.9	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.1	14.6	19.2	23.5	27.9	29.1	29.5	28.1	23.4	15.9	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.4	27.2	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.7	19.6	23.9	27.5	28.5	28.9	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.3	27.8	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.3	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.7	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.8	15.9	16.8	20.2	24.4	28.1	29.6	30.2	28.8	24.9	18.8	18.1
CRMS 3985	10.2	13.6	16.1	20.1	24.1	27.6	28.9	29.2	27.9	23.1	15.6	16.4
CRMS 0258	9.1	13.9	14.0	18.5	22.1	25.5	25.9	26.7	27.2	22.4	14.2	13.9
CRMS 0224	10.2	14.6	16.3	20.1	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	9.1	10.2	11.7	16.5	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.5
CRMS 0162	9.1	10.5	11.5	16.5	21.2	26.0	28.3	28.0	27.3	23.1	16.2	10.8

V3PR8 HYST - cy 2 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	8.4	10.2	14.6	20.7	26.1	28.8	28.1	26.6	20.3	14.8	9.1
CRMS0276 - Just east of Wilkinson Canal	12.0	15.3	16.0	20.1	24.1	28.1	29.1	29.7	28.4	23.9	17.0	16.1
Barataria Waterway at Lafitte (USACE82875)	11.0	14.7	16.6	20.4	24.2	28.2	29.2	29.6	28.1	23.6	16.1	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	11.7	10.7	15.0	20.9	26.2	28.3	27.4	26.3	21.4	14.1	9.6
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.2	12.1	16.5	21.9	26.7	28.4	28.7	27.6	22.6	14.8	11.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	14.1	11.6	16.0	21.5	26.4	28.5	29.0	27.8	23.1	15.7	10.4
USGS 07380335 - Little Lake Near Cutoff	11.5	15.1	12.5	17.0	22.2	26.9	28.8	29.8	28.4	24.0	16.5	11.5
USGS073802516 Barataria Pass at Grand Isle	11.2	15.1	15.8	20.0	24.3	28.0	29.1	29.6	28.3	23.7	16.3	15.2
HWQ14 - Lake Washington	10.6	14.5	15.9	19.9	24.2	27.9	29.2	29.7	28.4	23.7	15.8	15.6
HWQ16 - Bayou Grand Liard	14.6	15.8	15.9	19.7	24.1	28.1	29.5	30.2	28.9	24.9	18.7	16.2
CRMS 3985	10.1	13.6	13.1	18.1	22.7	26.8	28.2	29.1	27.8	23.1	15.5	12.6
CRMS 0258	9.0	13.7	13.0	17.6	22.3	26.5	27.4	26.8	27.2	22.3	14.1	12.1
CRMS 0224	10.0	14.4	13.3	17.4	22.2	26.6	28.1	28.8	27.6	22.9	15.3	12.0
CRMS 0163	8.9	9.9	11.6	16.5	21.1	26.0	27.6	27.8	26.7	21.7	15.3	11.7
CRMS 0162	9.0	10.1	11.6	16.6	21.2	26.0	28.3	28.0	27.1	22.8	16.1	11.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-5.1	-4.8	-4.9	-2.8	-1.2	0.9	-0.3	-0.8	-2.1	0.8	-6.2
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	-0.5	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	0.1	-0.9
Barataria Waterway at Lafitte (USACE82875)	0.6	1.5	2.0	1.2	0.7	0.4	0.1	0.1	0.0	0.2	0.2	2.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-1.8	-4.4	-4.4	-2.4	-1.0	0.4	-0.9	-0.9	-0.8	0.4	-5.7
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.4	-3.6	-3.1	-1.9	-0.8	-0.1	-0.1	-0.2	-0.3	-0.4	-4.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.6	-0.6	-5.0	-4.4	-2.8	-1.4	-0.3	-0.3	-0.2	-0.3	-0.4	-6.4
USGS 07380335 - Little Lake Near Cutoff	-0.3	-0.2	-4.6	-3.7	-2.6	-1.4	-0.5	-0.1	0.0	0.0	-0.2	-5.9
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.3	-0.8	-0.5	-0.2	-0.1	0.0	0.0	0.0	-0.1	-2.1
HWQ14 - Lake Washington	-0.1	-0.1	-1.0	-0.8	-0.6	-0.4	-0.2	0.0	0.0	0.0	-0.1	-1.3
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.9	-0.5	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-1.8
CRMS 3985	-0.1	0.0	-3.0	-2.0	-1.4	-0.8	-0.7	-0.2	-0.1	0.0	-0.1	-3.8
CRMS 0258	-0.1	-0.1	-1.1	-0.8	0.2	1.0	1.5	0.1	0.0	-0.1	-0.1	-1.9
CRMS 0224	-0.1	-0.2	-3.0	-2.7	-1.7	-0.8	-0.2	-0.1	-0.1	-0.1	-0.1	-4.4
CRMS 0163	-0.2	-0.3	-0.1	-0.1	-0.2	0.0	-0.1	-0.1	0.0	-0.2	0.0	0.2
CRMS 0162	-0.1	-0.4	0.1	0.1	0.0	0.0	0.0	0.0	-0.2	-0.4	-0.1	0.1

Figure WQ TEMP 115 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.3	13.6	15.3
CRMS0276 - Just east of Wilkinson Canal	11.8	14.6	16.2	20.1	24.4	28.2	29.2	29.7	28.3	23.9	16.8	16.7
Barataria Waterway at Lafitte (USACE82875)	9.6	12.6	14.2	19.2	23.8	28.0	29.0	29.5	28.1	23.4	15.8	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.5	15.7	19.7	23.9	27.5	28.7	29.1	27.7	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.0	15.2	16.4	20.1	24.5	28.2	29.6	30.1	28.9	24.9	18.5	17.7
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.7	29.1	29.2	27.8	23.0	15.4	16.2
CRMS 0258	8.5	12.6	14.0	18.5	22.0	25.2	27.6	28.5	27.2	22.0	13.2	14.1
CRMS 0224	10.1	14.5	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	7.9	9.3	11.4	16.4	21.5	26.1	27.4	27.8	26.8	21.6	15.0	11.2
CRMS 0162	7.4	9.3	11.1	16.3	21.5	26.1	28.1	28.2	27.4	22.2	15.4	10.4

V3PR9 HYST - cy 2 - 1985 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.3	13.6	15.3
CRMS0276 - Just east of Wilkinson Canal	11.9	14.8	16.3	20.1	24.4	28.2	29.2	29.7	28.4	23.9	17.0	16.9
Barataria Waterway at Lafitte (USACE82875)	10.8	14.5	16.4	20.4	24.3	28.2	29.1	29.6	28.1	23.6	16.1	16.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.5	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.6	23.8	27.5	28.7	29.1	27.7	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.6	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.0	16.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.2	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.4	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.6	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.1	15.2	16.3	20.0	24.5	28.2	29.6	30.1	28.9	24.9	18.6	17.7
CRMS 3985	10.1	13.6	16.2	20.1	24.2	27.7	29.1	29.3	27.8	23.0	15.4	16.3
CRMS 0258	8.5	12.6	14.0	18.5	22.0	25.2	27.6	28.5	27.2	22.0	13.2	14.0
CRMS 0224	10.1	14.5	16.3	20.1	23.9	27.5	28.4	28.9	27.6	23.0	15.4	16.4
CRMS 0163	7.8	9.3	11.3	16.3	21.4	25.9	27.3	27.7	26.8	21.4	14.9	11.0
CRMS 0162	7.5	9.4	11.1	16.3	21.6	26.2	28.1	28.1	27.4	22.1	15.4	10.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	1.2	1.9	2.2	1.2	0.5	0.2	0.1	0.1	0.0	0.2	0.3	2.3
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.1	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
CRMS 0162	0.1	0.1	0.0	0.0	0.1	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0

Figure WQ TEMP 116 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.4	13.9	15.2
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.2	20.1	24.3	28.2	29.1	29.7	28.3	23.9	16.9	17.4
Barataria Waterway at Lafitte (USACE82875)	10.0	12.0	14.2	19.1	23.6	28.0	29.0	29.5	28.1	23.5	15.9	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.5	23.4	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.6	23.9	27.5	28.6	29.0	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.5	14.8	16.3	20.1	24.4	28.1	29.6	30.1	28.8	24.9	18.7	18.4
CRMS 3985	10.2	13.6	16.2	20.1	24.1	27.7	29.1	29.3	27.9	23.1	15.5	16.4
CRMS 0258	8.6	12.6	14.1	18.5	22.1	26.0	27.2	28.5	27.2	22.3	14.3	14.1
CRMS 0224	10.1	14.4	16.3	20.0	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.6	8.8	11.5	16.4	21.3	26.1	27.5	27.9	26.9	21.9	15.3	12.2
CRMS 0162	8.1	8.6	11.1	16.3	21.3	26.1	28.1	28.1	27.5	23.0	16.1	11.5

V3PR9 HYST - cy 2 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.6	13.3	15.0	19.5	23.5	27.3	28.0	28.5	27.4	22.4	13.9	15.2
CRMS0276 - Just east of Wilkinson Canal	12.0	14.5	16.2	20.1	24.3	28.2	29.1	29.7	28.4	23.9	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.9	14.3	16.3	20.4	24.2	28.2	29.1	29.6	28.1	23.6	16.1	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.5	23.4	27.1	27.9	28.3	27.2	22.2	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.5	15.7	19.6	23.9	27.5	28.6	29.0	27.7	22.8	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.2	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.4	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.5	14.8	16.2	20.1	24.3	28.1	29.6	30.2	28.9	24.9	18.8	18.4
CRMS 3985	10.2	13.6	16.2	20.1	24.1	27.7	29.1	29.3	27.9	23.1	15.5	16.4
CRMS 0258	8.6	12.6	14.1	18.5	22.2	26.0	27.2	28.5	27.2	22.3	14.3	14.1
CRMS 0224	10.1	14.5	16.3	20.1	23.8	27.5	28.4	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.5	8.8	11.4	16.2	21.2	26.0	27.3	27.7	26.8	21.7	15.2	12.2
CRMS 0162	8.2	8.7	11.1	16.3	21.3	26.1	28.1	28.1	27.4	22.8	16.2	11.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.9	2.3	2.2	1.2	0.6	0.2	0.1	0.1	0.0	0.2	0.2	1.7
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	0.0
CRMS 0162	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.1	0.0

Figure WQ TEMP 117 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.3	15.1	19.5	23.4	27.3	28.0	28.5	27.4	22.4	13.7	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	14.7	16.7	20.4	24.4	28.2	29.2	29.7	28.4	23.9	16.9	17.5
Barataria Waterway at Lafitte (USACE82875)	10.3	12.7	15.1	19.7	23.9	28.0	29.0	29.5	28.2	23.4	15.8	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.5	13.5	15.1	19.4	23.3	27.0	27.8	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.5	15.9	19.6	23.8	27.6	28.7	29.0	27.6	22.8	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.2	27.7	28.7	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.2	17.2	20.8	24.8	28.2	29.3	29.9	28.5	24.0	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	15.4	17.3	20.4	24.6	28.1	29.5	30.1	28.9	24.8	18.6	18.5
CRMS 3985	10.2	13.6	16.1	20.1	24.2	27.8	28.5	29.1	27.5	22.8	15.2	15.9
CRMS 0258	9.0	12.9	15.0	18.7	22.1	27.3	28.0	28.5	27.2	22.3	13.5	14.4
CRMS 0224	10.2	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.6	23.0	15.4	16.5
CRMS 0163	9.1	9.6	12.1	17.2	21.5	26.0	27.3	27.8	27.0	21.6	15.2	12.7
CRMS 0162	9.3	9.2	12.3	17.5	21.6	26.2	28.0	28.3	27.4	22.4	15.6	11.8

V3PR9 HYST - cy 2 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.3	15.1	19.5	23.4	27.3	28.0	28.5	27.3	22.4	13.7	15.3
CRMS0276 - Just east of Wilkinson Canal	12.1	14.9	16.8	20.4	24.4	28.2	29.2	29.7	28.4	23.9	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	11.0	14.5	16.6	20.5	24.3	28.2	29.1	29.6	28.1	23.6	16.1	16.9
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.8	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.6	15.9	19.7	23.8	27.6	28.7	29.0	27.6	22.8	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.7	16.6	20.3	24.2	27.7	28.7	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.2	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.7	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	15.3	17.2	20.4	24.5	28.1	29.5	30.1	28.9	24.9	18.7	18.5
CRMS 3985	10.2	13.6	16.1	20.0	24.1	27.8	28.6	29.0	27.6	22.8	15.2	16.0
CRMS 0258	9.0	12.9	15.1	18.7	22.1	27.3	28.0	28.5	27.2	22.3	13.5	14.4
CRMS 0224	10.2	14.5	16.3	20.1	23.9	27.6	28.4	29.0	27.6	23.0	15.4	16.5
CRMS 0163	8.9	9.5	12.0	17.1	21.5	25.9	27.2	27.8	26.9	21.5	15.1	12.6
CRMS 0162	9.3	9.4	12.5	17.5	21.6	26.2	28.0	28.3	27.4	22.0	15.7	11.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.7	1.8	1.5	0.8	0.4	0.2	0.1	0.1	0.0	0.2	0.2	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
CRMS 3985	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	-0.1	0.0	0.0	0.0	0.1
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1
CRMS 0162	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.1

Figure WQ TEMP 118 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.4
CRMS0276 - Just east of Wilkinson Canal	11.8	14.0	16.3	20.2	24.4	28.2	29.1	29.7	28.3	23.9	16.9	17.6
Barataria Waterway at Lafitte (USACE82875)	9.8	11.7	14.6	19.3	23.8	28.0	29.1	29.5	28.1	23.4	15.9	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.5	15.7	19.7	23.8	27.5	28.5	28.9	27.7	22.8	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.7	16.7	20.4	24.3	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.4	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.1	14.5	16.6	20.3	24.5	28.2	29.6	30.1	28.8	24.8	18.8	18.5
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.7	28.9	29.2	27.9	23.1	15.5	16.5
CRMS 0258	8.5	12.7	14.0	18.5	22.0	25.3	25.9	26.3	26.8	22.4	14.3	15.1
CRMS 0224	10.1	14.4	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.2	8.6	11.7	16.6	21.3	26.0	27.6	27.9	26.8	21.6	15.2	12.8
CRMS 0162	7.5	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.2	22.1	16.3	12.4

V3PR9 HYST - cy 2 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.5	13.3	15.0	19.4	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.4
CRMS0276 - Just east of Wilkinson Canal	11.9	14.3	16.4	20.1	24.3	28.2	29.2	29.7	28.4	23.9	17.0	17.7
Barataria Waterway at Lafitte (USACE82875)	10.8	14.1	16.5	20.4	24.3	28.2	29.2	29.6	28.1	23.6	16.1	17.0
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.3	27.1	27.9	28.3	27.2	22.3	13.7	15.4
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.5	15.7	19.6	23.8	27.5	28.5	28.9	27.7	22.8	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.6	16.7	20.4	24.2	27.7	28.7	29.3	28.0	23.4	16.1	16.9
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	17.2	20.8	24.8	28.2	29.3	29.9	28.4	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.1	17.1	20.8	24.7	28.2	29.1	29.6	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.2	14.5	16.6	20.1	24.4	28.2	29.6	30.1	28.9	24.9	18.8	18.5
CRMS 3985	10.1	13.6	16.3	20.1	24.2	27.7	29.0	29.2	27.9	23.1	15.6	16.5
CRMS 0258	8.5	12.7	14.0	18.4	22.0	25.3	25.9	26.2	26.8	22.3	14.3	15.1
CRMS 0224	10.1	14.5	16.3	20.1	23.9	27.5	28.3	28.9	27.6	23.0	15.4	16.5
CRMS 0163	8.1	8.6	11.7	16.6	21.3	26.0	27.4	27.8	26.7	21.4	15.3	12.8
CRMS 0162	7.6	8.3	11.6	16.6	21.4	26.1	28.2	28.0	27.1	21.6	16.3	12.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	1.0	2.4	1.9	1.1	0.5	0.3	0.1	0.1	0.0	0.2	0.2	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0
CRMS 0162	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5	0.0	-0.1

Figure WQ TEMP 119 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.5	15.0	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.3
CRMS0276 - Just east of Wilkinson Canal	12.0	15.2	16.5	20.1	24.3	28.2	29.1	29.6	28.3	23.9	16.9	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	13.1	14.6	19.2	23.5	27.9	29.1	29.5	28.1	23.4	15.9	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.4	27.2	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.7	19.6	23.9	27.5	28.5	28.9	27.7	22.8	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.7	16.6	20.4	24.3	27.8	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.3	17.2	20.8	24.8	28.3	29.3	29.9	28.4	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.7	28.2	29.1	29.7	28.3	23.8	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.9	20.7	24.8	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.8	15.9	16.8	20.2	24.4	28.1	29.6	30.2	28.8	24.9	18.8	18.1
CRMS 3985	10.2	13.6	16.1	20.1	24.1	27.6	28.9	29.2	27.9	23.1	15.6	16.4
CRMS 0258	9.1	13.9	14.0	18.5	22.1	25.5	25.9	26.7	27.2	22.4	14.2	13.9
CRMS 0224	10.2	14.6	16.3	20.1	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	9.1	10.2	11.7	16.5	21.2	26.1	27.7	27.9	26.8	21.8	15.3	11.5
CRMS 0162	9.1	10.5	11.5	16.5	21.2	26.0	28.3	28.0	27.3	23.1	16.2	10.8

V3PR9 HYST - cy 2 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.5	14.9	19.5	23.5	27.3	27.9	28.4	27.4	22.4	13.9	15.2
CRMS0276 - Just east of Wilkinson Canal	12.0	15.4	16.5	20.1	24.2	28.2	29.2	29.7	28.4	23.9	17.0	17.2
Barataria Waterway at Lafitte (USACE82875)	11.0	14.8	16.6	20.4	24.2	28.2	29.2	29.6	28.1	23.6	16.1	16.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.6	13.5	15.1	19.4	23.4	27.2	27.9	28.3	27.2	22.3	13.7	15.3
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.7	19.7	23.9	27.5	28.5	28.9	27.7	22.9	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.7	16.6	20.4	24.3	27.7	28.8	29.3	28.0	23.4	16.1	16.8
USGS 07380335 - Little Lake Near Cutoff	11.8	15.3	17.2	20.8	24.8	28.3	29.3	29.9	28.5	24.0	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	11.3	15.2	17.1	20.8	24.8	28.2	29.1	29.6	28.3	23.7	16.3	17.2
HWQ14 - Lake Washington	10.7	14.6	16.8	20.7	24.8	28.3	29.4	29.7	28.3	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	15.9	16.8	20.1	24.3	28.1	29.6	30.2	28.9	24.9	18.8	18.1
CRMS 3985	10.2	13.6	16.1	20.1	24.1	27.6	28.9	29.3	27.9	23.1	15.6	16.4
CRMS 0258	9.1	13.9	14.0	18.4	22.2	25.5	25.9	26.7	27.2	22.4	14.2	13.9
CRMS 0224	10.2	14.6	16.3	20.1	23.8	27.5	28.3	28.9	27.6	23.0	15.4	16.4
CRMS 0163	9.0	10.1	11.6	16.4	21.1	26.0	27.5	27.8	26.8	21.7	15.3	11.5
CRMS 0162	9.1	10.3	11.5	16.5	21.1	26.0	28.3	28.0	27.2	23.0	16.2	10.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.7	1.7	2.0	1.2	0.7	0.4	0.1	0.1	0.0	0.2	0.2	2.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	0.0	0.1

Figure WQ TEMP 120 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.4	15.2	19.6	23.6	27.4	28.2	28.6	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.6	20.0	24.4	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.9	14.9	18.6	23.6	27.8	29.1	29.6	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.3	19.7	23.6	27.4	28.2	28.5	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.3	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.6	14.8	17.0	20.1	24.5	28.2	29.6	30.2	28.9	24.9	18.7	18.6
CRMS 3985	10.1	13.5	16.2	20.0	24.1	27.6	28.8	29.2	28.0	23.1	15.5	16.4
CRMS 0258	9.2	13.3	14.6	19.1	22.7	26.1	27.8	28.6	27.4	22.6	14.6	15.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	8.7	8.5	11.6	16.0	21.5	26.5	28.3	28.6	27.4	21.6	15.4	12.2
CRMS 0162	8.5	9.1	12.7	16.4	21.5	26.1	28.5	28.6	27.8	22.6	16.3	12.8

V3PR2 HYST - cy 3 - 2002 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.3	14.6	20.7	26.1	28.3	27.7	26.4	19.8	15.0	10.4
CRMS0276 - Just east of Wilkinson Canal	11.8	14.3	16.7	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	12.1	15.0	18.7	23.6	27.8	29.1	29.6	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	7.1	8.0	12.2	15.5	21.2	26.1	27.0	27.6	26.5	21.1	13.5	12.7
USGS7380251 Barataria Bay North of Grand Isle	9.2	11.2	14.4	18.1	23.1	27.2	28.6	28.9	27.7	22.8	14.8	15.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	11.4	15.1	18.5	23.2	27.3	28.8	29.3	28.0	23.5	16.0	16.2
USGS 07380335 - Little Lake Near Cutoff	11.5	13.2	16.5	19.7	24.0	27.9	29.4	29.9	28.5	24.0	16.7	17.2
USGS073802516 Barataria Pass at Grand Isle	11.2	14.3	16.8	20.5	24.7	28.2	29.2	29.7	28.4	23.9	16.4	17.2
HWQ14 - Lake Washington	10.6	14.1	16.7	20.4	24.7	28.2	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.2	14.7	17.1	20.3	24.6	28.2	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	9.9	12.9	15.6	19.4	23.6	27.3	28.6	29.1	27.9	23.1	15.4	16.3
CRMS 0258	8.9	12.3	14.5	18.7	22.6	26.2	27.8	28.6	27.4	22.6	14.5	15.5
CRMS 0224	9.9	12.7	15.9	19.3	23.4	27.2	28.3	28.9	27.8	23.1	15.6	16.2
CRMS 0163	8.8	8.7	11.6	16.1	21.6	26.5	28.3	28.6	27.5	21.7	15.4	12.2
CRMS 0162	8.6	9.1	12.8	16.4	21.5	26.2	28.5	28.7	27.8	22.8	16.5	13.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.6	-4.9	-5.0	-3.0	-1.3	0.1	-0.9	-1.1	-2.8	0.8	-5.3
CRMS0276 - Just east of Wilkinson Canal	-0.2	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-5.7	-3.1	-4.1	-2.4	-1.3	-1.1	-1.0	-0.9	-1.4	-0.5	-2.9
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-2.4	-1.5	-1.7	-0.9	-0.4	-0.1	-0.1	-0.1	-0.2	-0.4	-0.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.0	-3.3	-1.6	-1.9	-1.2	-0.6	-0.1	-0.1	-0.1	-0.1	-0.2	-0.7
USGS 07380335 - Little Lake Near Cutoff	-0.5	-1.9	-0.7	-1.1	-0.8	-0.4	0.0	0.0	0.0	0.0	-0.1	-0.3
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.9	-0.3	-0.4	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.4	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.3	0.0	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.2	-0.6	-0.6	-0.7	-0.5	-0.3	-0.2	-0.1	0.0	0.0	-0.1	-0.1
CRMS 0258	-0.3	-0.9	-0.2	-0.4	-0.1	0.2	0.0	0.0	0.0	0.0	0.0	-0.2
CRMS 0224	-0.6	-1.8	-0.5	-0.8	-0.5	-0.3	-0.1	0.0	0.0	-0.1	-0.1	-0.4
CRMS 0163	0.1	0.2	0.0	0.1	0.1	0.1	0.0	0.0	0.1	0.1	0.0	0.1
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.2	0.1	0.3

Figure WQ TEMP 121 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.4	15.3	19.6	23.7	27.4	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.0	13.9	16.0	20.0	24.4	28.3	29.2	29.7	28.4	24.0	17.1	17.5
Barataria Waterway at Lafitte (USACE82875)	10.4	11.7	13.9	18.6	23.4	28.0	29.1	29.5	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.1	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.8	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.7	14.7	16.2	20.1	24.4	28.1	29.6	30.2	28.9	24.9	18.8	18.4
CRMS 3985	10.2	13.6	16.2	20.0	24.1	27.6	28.9	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.0	13.3	14.8	19.1	22.8	26.5	27.6	28.6	27.4	22.6	14.6	14.9
CRMS 0224	10.4	14.5	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.4	8.3	11.0	16.0	21.4	26.7	28.3	28.5	27.4	22.2	15.4	11.7
CRMS 0162	8.6	8.9	11.4	16.5	21.4	26.2	28.4	28.4	27.7	23.5	16.8	11.8

V3PR2 HYST - cy 3 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.9	28.1	27.7	26.4	20.0	15.0	9.9
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.3	20.1	24.4	28.3	29.2	29.8	28.4	24.0	17.1	17.4
Barataria Waterway at Lafitte (USACE82875)	10.4	11.8	14.0	18.7	23.4	28.0	29.1	29.6	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.9	10.7	15.5	21.2	26.1	27.0	27.6	26.5	21.2	13.5	11.8
USGS7380251 Barataria Bay North of Grand Isle	8.8	11.0	13.1	18.1	23.0	27.5	28.6	28.9	27.7	22.8	14.8	14.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.9	11.0	13.1	18.6	23.1	27.7	28.8	29.3	28.1	23.5	16.1	15.2
USGS 07380335 - Little Lake Near Cutoff	11.5	13.0	14.7	19.7	24.0	28.2	29.4	29.9	28.5	24.0	16.8	16.7
USGS073802516 Barataria Pass at Grand Isle	11.1	14.2	16.3	20.5	24.6	28.2	29.2	29.7	28.4	23.8	16.4	17.0
HWQ14 - Lake Washington	10.6	14.1	16.4	20.4	24.7	28.3	29.4	29.7	28.4	23.7	15.9	16.8
HWQ16 - Bayou Grand Liard	14.5	14.6	16.4	20.3	24.6	28.1	29.6	30.2	28.9	24.9	18.7	18.3
CRMS 3985	9.8	12.8	14.6	19.4	23.6	27.6	28.7	29.1	27.9	23.0	15.4	15.9
CRMS 0258	8.7	12.2	14.0	18.8	22.6	26.4	27.6	28.6	27.4	22.6	14.6	14.4
CRMS 0224	9.8	12.5	14.5	19.3	23.4	27.5	28.3	28.9	27.8	23.1	15.6	15.5
CRMS 0163	8.5	8.4	11.1	16.1	21.4	26.8	28.3	28.6	27.4	22.2	15.5	11.8
CRMS 0162	8.7	8.9	11.5	16.5	21.4	26.2	28.5	28.4	27.7	23.6	16.8	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.7	-5.1	-5.0	-3.0	-1.6	-0.1	-0.9	-1.2	-2.6	0.9	-5.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.3	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-5.8	-4.7	-4.2	-2.5	-1.2	-1.1	-1.0	-0.9	-1.4	-0.5	-3.8
USGS7380251 Barataria Bay North of Grand Isle	-1.0	-2.6	-2.7	-1.7	-0.9	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4	-1.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.3	-3.7	-3.6	-1.8	-1.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-1.7
USGS 07380335 - Little Lake Near Cutoff	-0.5	-2.1	-2.5	-1.1	-0.8	-0.1	0.0	0.0	0.0	0.0	0.0	-0.8
USGS073802516 Barataria Pass at Grand Isle	-0.4	-1.0	-0.9	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ14 - Lake Washington	-0.1	-0.5	-0.5	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.4	-0.8	-1.6	-0.6	-0.5	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.4
CRMS 0258	-0.3	-1.0	-0.8	-0.4	-0.2	0.0	0.0	0.0	0.0	-0.1	0.0	-0.5
CRMS 0224	-0.6	-2.1	-1.9	-0.8	-0.5	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-1.0
CRMS 0163	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 122 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.5	15.4	19.6	23.6	27.4	28.1	28.6	27.5	22.6	13.9	15.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.8	20.4	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	12.6	15.1	19.5	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.6	23.5	27.3	28.1	28.5	27.4	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.7	22.9	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.8	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.8	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.3	17.3	20.4	24.6	28.1	29.6	30.1	28.9	24.9	18.7	18.5
CRMS 3985	10.2	13.6	16.0	20.1	24.2	27.7	28.5	28.8	27.6	22.8	15.2	15.9
CRMS 0258	9.3	13.4	15.4	19.2	22.7	27.4	28.1	28.6	27.4	22.6	14.1	15.1
CRMS 0224	10.4	14.6	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	9.2	9.2	11.8	17.1	21.8	26.7	28.2	28.6	27.6	21.7	15.3	12.0
CRMS 0162	10.4	9.4	13.0	17.6	21.9	26.4	28.4	28.8	27.8	23.0	16.1	12.1

V3PR2 HYST - cy 3 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	7.2	10.6	15.2	20.7	25.7	28.0	27.7	26.5	19.8	14.9	10.6
CRMS0276 - Just east of Wilkinson Canal	12.1	14.7	16.8	20.4	24.5	28.3	29.3	29.8	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	12.6	15.1	19.5	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	9.6	12.8	17.8	21.7	26.1	27.0	27.6	26.5	21.2	13.5	13.6
USGS7380251 Barataria Bay North of Grand Isle	9.4	12.2	15.0	19.3	23.5	27.5	28.6	28.9	27.7	22.7	14.7	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	12.8	15.9	20.0	23.7	27.8	28.8	29.3	28.1	23.5	16.0	16.6
USGS 07380335 - Little Lake Near Cutoff	12.0	14.2	17.0	20.6	24.5	28.3	29.4	29.9	28.5	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.4	14.6	17.0	20.8	24.7	28.2	29.2	29.7	28.4	23.9	16.4	17.2
HWQ14 - Lake Washington	10.7	14.3	16.8	20.5	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.9	15.1	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.8	18.6	18.5
CRMS 3985	10.1	13.3	16.0	20.0	23.9	27.7	28.8	29.0	27.8	23.0	15.2	16.0
CRMS 0258	9.2	12.9	15.3	19.1	22.7	27.4	28.1	28.6	27.4	22.6	14.0	14.9
CRMS 0224	10.3	13.5	16.2	20.0	23.7	27.5	28.3	28.9	27.7	23.1	15.5	16.4
CRMS 0163	9.2	9.3	11.8	17.1	21.9	26.7	28.2	28.6	27.6	21.7	15.3	12.1
CRMS 0162	10.6	9.5	13.1	17.6	21.9	26.4	28.4	28.8	27.8	23.2	16.1	12.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.8	-4.4	-2.9	-1.7	-0.1	-0.8	-1.0	-2.8	1.0	-4.9
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.4	-4.1	-2.6	-1.9	-1.9	-1.2	-1.1	-1.0	-0.9	-1.4	-0.5	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-1.5	-0.9	-0.5	-0.5	-0.1	0.0	0.0	0.0	-0.1	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-1.9	-0.8	-0.4	-0.6	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.9	-0.2	-0.2	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.6	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.1	-0.3	0.0	-0.1	-0.3	-0.1	0.4	0.2	0.1	0.1	0.1	0.1
CRMS 0258	-0.1	-0.6	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 0224	-0.1	-1.0	-0.1	-0.1	-0.2	-0.1	0.0	-0.1	0.0	-0.1	-0.1	-0.2
CRMS 0163	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
CRMS 0162	0.3	0.1	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.2	0.1	0.1

Figure WQ TEMP 123 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.5	15.2	19.6	23.6	27.4	28.1	28.5	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	11.9	13.6	16.2	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.3	14.5	18.9	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.8	19.8	23.9	27.6	28.6	28.9	27.7	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.8	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	11.9	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.3	14.3	16.6	20.2	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.1	13.6	16.2	20.0	24.1	27.6	28.7	29.0	28.0	23.1	15.5	16.4
CRMS 0258	9.0	13.3	14.7	19.1	22.7	26.0	26.7	27.1	27.1	22.6	14.6	15.5
CRMS 0224	10.4	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.0	8.0	11.4	16.3	21.6	26.6	28.4	28.5	27.2	21.7	15.5	12.4
CRMS 0162	7.9	8.6	12.2	16.8	21.6	26.2	28.5	28.2	27.5	22.8	17.1	13.4

V3PR2 HYST - cy 3 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.0	26.3	19.8	15.0	10.8
CRMS0276 - Just east of Wilkinson Canal	11.6	14.0	16.5	20.2	24.5	28.3	29.2	29.7	28.4	24.0	17.0	17.7
Barataria Waterway at Lafitte (USACE82875)	10.2	11.5	14.7	19.0	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.6	10.9	15.8	21.2	26.1	27.6	27.6	26.5	21.2	13.5	13.7
USGS7380251 Barataria Bay North of Grand Isle	8.4	10.8	13.4	18.3	23.2	27.3	28.5	28.7	27.7	22.8	14.8	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.1	10.8	13.6	18.7	23.3	27.3	28.6	29.1	28.1	23.5	16.0	16.6
USGS 07380335 - Little Lake Near Cutoff	10.9	12.6	15.3	19.8	24.2	27.9	29.2	29.8	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	10.9	14.0	16.4	20.5	24.7	28.2	29.1	29.7	28.4	23.9	16.4	17.2
HWQ14 - Lake Washington	10.5	14.0	16.5	20.4	24.7	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	13.6	14.3	16.7	20.3	24.6	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.5	12.6	15.0	19.5	23.7	27.3	28.3	28.7	27.9	23.0	15.5	16.4
CRMS 0258	8.3	12.1	14.2	18.8	22.6	26.2	27.1	27.2	27.1	22.6	14.6	15.5
CRMS 0224	9.1	12.2	15.0	19.4	23.5	27.3	28.2	28.8	27.8	23.1	15.6	16.4
CRMS 0163	8.2	8.1	11.5	16.5	21.6	26.7	28.4	28.5	27.2	21.8	15.5	12.4
CRMS 0162	8.1	8.6	12.3	16.8	21.7	26.2	28.5	28.2	27.6	22.9	17.2	13.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-6.7	-5.1	-5.0	-3.0	-1.3	0.7	-0.5	-1.3	-2.8	0.9	-4.9
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.5	-6.1	-4.4	-3.9	-2.4	-1.3	-0.5	-0.9	-0.9	-1.4	-0.5	-2.0
USGS7380251 Barataria Bay North of Grand Isle	-1.3	-2.9	-2.4	-1.5	-0.7	-0.3	-0.1	-0.2	-0.1	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.0	-4.0	-3.1	-1.7	-1.0	-0.5	-0.4	-0.3	0.0	-0.1	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-1.0	-2.4	-1.9	-1.0	-0.6	-0.4	-0.2	-0.1	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.7	-1.2	-0.7	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.2	-0.7	-0.4	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.6	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.6	-1.0	-1.3	-0.6	-0.4	-0.3	-0.4	-0.3	-0.1	0.0	-0.1	0.0
CRMS 0258	-0.7	-1.2	-0.5	-0.3	-0.1	0.1	0.3	0.0	0.0	-0.1	0.0	-0.1
CRMS 0224	-1.3	-2.3	-1.3	-0.7	-0.4	-0.3	-0.2	-0.1	0.0	-0.1	-0.1	-0.2
CRMS 0163	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.3

Figure WQ TEMP 124 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.2	19.6	23.7	27.5	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.4	20.1	24.3	28.3	29.3	29.7	28.4	24.0	17.1	17.0
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.5	18.8	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.8	19.8	24.0	27.6	28.6	28.9	27.8	22.9	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.8	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.3	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.3	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.9	15.8	16.8	20.2	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.2	13.6	16.0	20.0	24.1	27.6	28.7	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.4	14.1	14.7	19.1	22.8	26.1	26.8	27.4	27.4	22.6	14.6	14.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.5
CRMS 0163	9.1	9.8	11.3	16.2	21.2	26.4	28.4	28.5	27.2	22.0	15.4	10.9
CRMS 0162	9.9	11.7	12.0	16.6	21.3	26.1	28.5	28.2	27.6	23.5	16.9	11.0

V3PR2 HYST - cy 3 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.9	10.2	14.6	20.7	26.1	28.8	27.9	26.3	20.0	15.0	9.1
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.6	20.2	24.4	28.3	29.2	29.7	28.4	24.0	17.0	17.1
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.6	18.9	23.3	27.7	29.1	29.5	28.2	23.5	16.2	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	11.5	11.0	15.6	21.2	26.1	27.7	27.6	26.5	21.2	13.5	10.1
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.4	13.6	18.2	23.0	27.2	28.4	28.8	27.7	22.8	14.9	13.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.5	13.8	18.7	23.1	27.3	28.6	29.3	28.1	23.5	16.0	13.4
USGS 07380335 - Little Lake Near Cutoff	12.0	15.2	15.5	19.8	24.0	27.8	29.1	29.9	28.5	24.0	16.8	15.6
USGS073802516 Barataria Pass at Grand Isle	11.4	15.2	16.6	20.5	24.6	28.2	29.1	29.8	28.4	23.8	16.4	16.4
HWQ14 - Lake Washington	10.7	14.5	16.6	20.4	24.7	28.2	29.3	29.7	28.4	23.7	15.9	16.6
HWQ16 - Bayou Grand Liard	14.8	15.8	16.9	20.3	24.6	28.2	29.6	30.2	28.8	24.9	18.7	17.8
CRMS 3985	10.1	13.6	14.9	19.5	23.6	27.3	28.3	28.9	27.9	23.1	15.5	15.0
CRMS 0258	9.3	14.0	14.3	18.7	22.6	26.3	27.1	27.4	27.4	22.6	14.5	13.8
CRMS 0224	10.3	14.5	15.1	19.4	23.4	27.2	28.2	28.9	27.8	23.1	15.6	14.6
CRMS 0163	9.1	9.9	11.4	16.3	21.3	26.5	28.5	28.6	27.3	22.1	15.4	11.1
CRMS 0162	10.2	12.0	12.1	16.7	21.3	26.2	28.5	28.2	27.6	23.6	17.0	11.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-5.8	-5.0	-5.0	-3.0	-1.3	0.7	-0.6	-1.3	-2.6	0.9	-6.4
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.4	-2.2	-4.3	-4.0	-2.5	-1.3	-0.5	-1.0	-0.9	-1.4	-0.5	-5.5
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.3	-2.2	-1.6	-0.9	-0.4	-0.1	-0.1	-0.1	-0.2	-0.4	-2.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-0.3	-2.9	-1.7	-1.2	-0.6	-0.4	-0.1	-0.1	-0.1	-0.2	-3.5
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-1.8	-1.0	-0.8	-0.4	-0.2	0.0	0.0	0.0	-0.1	-1.9
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.6	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.9
HWQ14 - Lake Washington	0.0	-0.1	-0.3	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.4
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.1	0.0	-1.2	-0.6	-0.5	-0.3	-0.4	-0.2	-0.1	0.0	-0.1	-1.2
CRMS 0258	-0.1	-0.1	-0.4	-0.3	-0.2	0.2	0.3	0.0	0.0	0.0	-0.1	-1.0
CRMS 0224	-0.1	-0.2	-1.2	-0.7	-0.5	-0.4	-0.2	-0.1	0.0	-0.1	-0.1	-1.9
CRMS 0163	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
CRMS 0162	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1

Figure WQ TEMP 125 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.4	15.2	19.6	23.6	27.4	28.2	28.6	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.6	20.0	24.4	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.9	14.9	18.6	23.6	27.8	29.1	29.6	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.3	19.7	23.6	27.4	28.2	28.5	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.3	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.6	14.8	17.0	20.1	24.5	28.2	29.6	30.2	28.9	24.9	18.7	18.6
CRMS 3985	10.1	13.5	16.2	20.0	24.1	27.6	28.8	29.2	28.0	23.1	15.5	16.4
CRMS 0258	9.2	13.3	14.6	19.1	22.7	26.1	27.8	28.6	27.4	22.6	14.6	15.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	8.7	8.5	11.6	16.0	21.5	26.5	28.3	28.6	27.4	21.6	15.4	12.2
CRMS 0162	8.5	9.1	12.7	16.4	21.5	26.1	28.5	28.6	27.8	22.6	16.3	12.8

V3PR3 HYST - cy 3 - 2002 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.4	14.6	20.7	26.1	28.3	27.7	26.5	19.8	15.0	10.4
CRMS0276 - Just east of Wilkinson Canal	11.8	14.4	16.7	20.1	24.5	28.3	29.3	29.8	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	12.0	14.9	18.7	23.6	27.8	29.1	29.6	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	7.1	7.9	12.1	15.5	21.2	26.1	27.2	27.7	26.6	21.2	13.5	12.5
USGS7380251 Barataria Bay North of Grand Isle	9.2	11.2	14.4	18.1	23.0	27.2	28.6	28.9	27.7	22.8	14.8	15.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	11.4	15.2	18.6	23.2	27.3	28.8	29.3	28.1	23.5	16.0	16.2
USGS 07380335 - Little Lake Near Cutoff	11.5	13.3	16.5	19.7	24.0	27.9	29.4	29.9	28.5	24.0	16.7	17.2
USGS073802516 Barataria Pass at Grand Isle	11.2	14.3	16.8	20.5	24.7	28.2	29.2	29.7	28.4	23.8	16.4	17.2
HWQ14 - Lake Washington	10.6	14.1	16.7	20.4	24.7	28.2	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.2	14.7	17.1	20.3	24.6	28.2	29.6	30.2	28.9	24.8	18.6	18.5
CRMS 3985	9.9	12.9	15.6	19.4	23.6	27.3	28.6	29.1	27.9	23.1	15.5	16.3
CRMS 0258	8.9	12.3	14.5	18.7	22.6	26.2	27.8	28.6	27.4	22.6	14.5	15.5
CRMS 0224	9.9	12.7	15.9	19.3	23.4	27.2	28.3	28.9	27.8	23.1	15.6	16.2
CRMS 0163	8.8	8.6	11.6	16.1	21.5	26.5	28.3	28.6	27.4	21.7	15.4	12.2
CRMS 0162	8.6	9.1	12.7	16.4	21.6	26.1	28.5	28.6	27.8	22.9	16.4	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.6	-4.8	-5.0	-3.0	-1.3	0.2	-0.9	-1.1	-2.8	0.9	-5.3
CRMS0276 - Just east of Wilkinson Canal	-0.2	0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-5.8	-3.3	-4.2	-2.4	-1.3	-1.0	-0.9	-0.8	-1.3	-0.6	-3.1
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-2.5	-1.5	-1.7	-0.9	-0.4	-0.1	-0.1	-0.1	-0.2	-0.5	-0.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.9	-3.3	-1.6	-1.9	-1.1	-0.6	-0.1	-0.1	-0.1	-0.1	-0.2	-0.7
USGS 07380335 - Little Lake Near Cutoff	-0.5	-1.8	-0.7	-1.1	-0.8	-0.4	0.0	0.0	0.0	0.0	-0.1	-0.3
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.9	-0.3	-0.4	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.4	-0.2	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.3	-0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.2	-0.7	-0.6	-0.7	-0.5	-0.3	-0.2	-0.1	-0.1	0.0	-0.1	-0.1
CRMS 0258	-0.3	-1.0	-0.2	-0.4	-0.1	0.2	0.0	0.0	0.0	0.0	0.0	-0.2
CRMS 0224	-0.5	-1.9	-0.5	-0.8	-0.5	-0.3	-0.1	-0.1	0.0	-0.1	-0.1	-0.4
CRMS 0163	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.3	0.1	0.2

Figure WQ TEMP 126 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.4	15.3	19.6	23.7	27.4	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.0	13.9	16.0	20.0	24.4	28.3	29.2	29.7	28.4	24.0	17.1	17.5
Barataria Waterway at Lafitte (USACE82875)	10.4	11.7	13.9	18.6	23.4	28.0	29.1	29.5	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.1	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.8	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.7	14.7	16.2	20.1	24.4	28.1	29.6	30.2	28.9	24.9	18.8	18.4
CRMS 3985	10.2	13.6	16.2	20.0	24.1	27.6	28.9	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.0	13.3	14.8	19.1	22.8	26.5	27.6	28.6	27.4	22.6	14.6	14.9
CRMS 0224	10.4	14.5	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.4	8.3	11.0	16.0	21.4	26.7	28.3	28.5	27.4	22.2	15.4	11.7
CRMS 0162	8.6	8.9	11.4	16.5	21.4	26.2	28.4	28.4	27.7	23.5	16.8	11.8

V3PR3 HYST - cy 3 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.9	28.1	27.7	26.4	20.0	15.1	9.9
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.4	20.1	24.4	28.3	29.3	29.7	28.4	24.0	17.1	17.4
Barataria Waterway at Lafitte (USACE82875)	10.4	11.8	14.0	18.7	23.4	28.0	29.1	29.6	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.7	10.7	15.5	21.2	26.2	27.2	27.7	26.6	21.2	13.5	11.5
USGS7380251 Barataria Bay North of Grand Isle	8.8	10.9	13.1	18.1	23.0	27.5	28.6	28.9	27.7	22.8	14.8	14.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.9	11.1	13.1	18.6	23.1	27.7	28.9	29.3	28.1	23.5	16.1	15.2
USGS 07380335 - Little Lake Near Cutoff	11.5	13.0	14.7	19.7	24.0	28.2	29.4	29.9	28.5	24.1	16.8	16.7
USGS073802516 Barataria Pass at Grand Isle	11.1	14.2	16.2	20.5	24.6	28.2	29.2	29.7	28.4	23.9	16.4	17.0
HWQ14 - Lake Washington	10.6	14.0	16.4	20.4	24.7	28.3	29.4	29.7	28.4	23.7	15.9	16.8
HWQ16 - Bayou Grand Liard	14.4	14.6	16.4	20.3	24.6	28.1	29.6	30.2	28.9	24.9	18.7	18.3
CRMS 3985	9.8	12.7	14.6	19.4	23.6	27.6	28.7	29.1	27.9	23.1	15.4	15.9
CRMS 0258	8.7	12.2	14.0	18.7	22.6	26.5	27.6	28.6	27.4	22.6	14.6	14.3
CRMS 0224	9.8	12.5	14.5	19.3	23.4	27.5	28.3	28.9	27.8	23.1	15.6	15.5
CRMS 0163	8.5	8.4	11.1	16.1	21.4	26.8	28.3	28.6	27.4	22.2	15.4	11.7
CRMS 0162	8.7	8.9	11.5	16.5	21.4	26.2	28.4	28.5	27.8	23.6	16.8	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.6	-5.1	-5.0	-3.0	-1.6	-0.1	-0.9	-1.1	-2.6	0.9	-5.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.3	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.2	-5.9	-4.7	-4.2	-2.4	-1.2	-0.9	-0.9	-0.8	-1.3	-0.5	-4.1
USGS7380251 Barataria Bay North of Grand Isle	-1.0	-2.7	-2.8	-1.7	-0.9	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4	-1.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.3	-3.7	-3.6	-1.8	-1.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-1.7
USGS 07380335 - Little Lake Near Cutoff	-0.5	-2.1	-2.5	-1.1	-0.8	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.8
USGS073802516 Barataria Pass at Grand Isle	-0.4	-1.0	-0.9	-0.4	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ14 - Lake Washington	-0.1	-0.5	-0.5	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.4	-0.9	-1.6	-0.7	-0.5	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.4
CRMS 0258	-0.3	-1.0	-0.8	-0.4	-0.2	0.0	0.0	0.0	0.0	-0.1	0.0	-0.5
CRMS 0224	-0.6	-2.0	-1.8	-0.8	-0.5	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-1.0
CRMS 0163	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.1
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0

Figure WQ TEMP 127 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.5	15.4	19.6	23.6	27.4	28.1	28.6	27.5	22.6	13.9	15.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.8	20.4	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	12.6	15.1	19.5	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.6	23.5	27.3	28.1	28.5	27.4	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.7	22.9	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.8	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.8	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.3	17.3	20.4	24.6	28.1	29.6	30.1	28.9	24.9	18.7	18.5
CRMS 3985	10.2	13.6	16.0	20.1	24.2	27.7	28.5	28.8	27.6	22.8	15.2	15.9
CRMS 0258	9.3	13.4	15.4	19.2	22.7	27.4	28.1	28.6	27.4	22.6	14.1	15.1
CRMS 0224	10.4	14.6	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	9.2	9.2	11.8	17.1	21.8	26.7	28.2	28.6	27.6	21.7	15.3	12.0
CRMS 0162	10.4	9.4	13.0	17.6	21.9	26.4	28.4	28.8	27.8	23.0	16.1	12.1

V3PR3 HYST - cy 3 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	7.2	10.6	15.3	20.7	25.6	28.0	27.7	26.5	19.8	15.0	10.6
CRMS0276 - Just east of Wilkinson Canal	12.1	14.7	16.8	20.4	24.6	28.3	29.3	29.7	28.4	24.0	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.7	12.6	15.1	19.5	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	9.3	12.6	17.7	21.7	26.3	27.2	27.7	26.6	21.2	13.4	13.4
USGS7380251 Barataria Bay North of Grand Isle	9.4	12.2	15.0	19.3	23.4	27.5	28.6	28.9	27.7	22.7	14.7	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	12.8	15.9	20.0	23.7	27.8	28.8	29.3	28.0	23.5	16.0	16.6
USGS 07380335 - Little Lake Near Cutoff	12.0	14.2	17.0	20.6	24.5	28.2	29.4	29.9	28.5	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.4	14.6	17.0	20.8	24.7	28.2	29.2	29.7	28.4	23.9	16.4	17.2
HWQ14 - Lake Washington	10.7	14.3	16.8	20.6	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.9	15.1	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.8	18.6	18.5
CRMS 3985	10.1	13.3	16.1	20.0	23.9	27.7	28.8	29.0	27.8	23.0	15.2	16.1
CRMS 0258	9.2	12.8	15.3	19.1	22.7	27.4	28.1	28.6	27.4	22.6	14.0	14.9
CRMS 0224	10.3	13.5	16.2	20.0	23.7	27.5	28.3	28.9	27.7	23.1	15.5	16.4
CRMS 0163	9.2	9.3	11.8	17.1	21.9	26.7	28.2	28.6	27.6	21.8	15.3	12.1
CRMS 0162	10.6	9.5	13.1	17.6	21.9	26.4	28.3	28.8	27.8	23.1	16.2	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.8	-4.4	-2.9	-1.8	-0.1	-0.9	-1.0	-2.8	1.0	-4.9
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-4.3	-2.8	-1.9	-1.8	-1.1	-0.9	-0.8	-0.8	-1.3	-0.6	-2.2
USGS7380251 Barataria Bay North of Grand Isle	-0.5	-1.5	-0.9	-0.5	-0.5	-0.1	0.0	0.0	0.0	-0.1	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-1.9	-0.7	-0.4	-0.6	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.9	-0.2	-0.2	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.6	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.1	-0.3	0.0	-0.1	-0.3	-0.1	0.3	0.2	0.1	0.1	0.1	0.2
CRMS 0258	-0.1	-0.6	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 0224	-0.1	-1.0	-0.2	-0.1	-0.2	-0.1	0.0	-0.1	0.0	-0.1	-0.1	-0.2
CRMS 0163	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.0	0.0
CRMS 0162	0.2	0.1	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.1	0.1

Figure WQ TEMP 128 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.5	15.2	19.6	23.6	27.4	28.1	28.5	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	11.9	13.6	16.2	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.3	14.5	18.9	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.8	19.8	23.9	27.6	28.6	28.9	27.7	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.8	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	11.9	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.3	14.3	16.6	20.2	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.1	13.6	16.2	20.0	24.1	27.6	28.7	29.0	28.0	23.1	15.5	16.4
CRMS 0258	9.0	13.3	14.7	19.1	22.7	26.0	26.7	27.1	27.1	22.6	14.6	15.5
CRMS 0224	10.4	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.0	8.0	11.4	16.3	21.6	26.6	28.4	28.5	27.2	21.7	15.5	12.4
CRMS 0162	7.9	8.6	12.2	16.8	21.6	26.2	28.5	28.2	27.5	22.8	17.1	13.4

V3PR3 HYST - cy 3 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.7	26.1	28.8	28.0	26.3	19.8	15.1	10.8
CRMS0276 - Just east of Wilkinson Canal	11.6	14.0	16.5	20.2	24.5	28.3	29.2	29.7	28.4	24.0	17.0	17.7
Barataria Waterway at Lafitte (USACE82875)	10.2	11.4	14.6	19.0	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	7.6	10.8	15.7	21.3	26.1	27.9	27.7	26.6	21.2	13.5	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.4	10.8	13.4	18.3	23.2	27.3	28.4	28.7	27.7	22.8	14.8	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.1	10.8	13.7	18.8	23.4	27.4	28.6	29.1	28.1	23.5	16.0	16.6
USGS 07380335 - Little Lake Near Cutoff	10.9	12.7	15.3	19.8	24.2	27.9	29.2	29.8	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	10.8	14.0	16.4	20.5	24.7	28.2	29.1	29.7	28.4	23.9	16.4	17.2
HWQ14 - Lake Washington	10.5	14.0	16.5	20.4	24.7	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	13.7	14.3	16.7	20.3	24.6	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.4	12.6	15.0	19.5	23.7	27.3	28.3	28.7	27.9	23.0	15.5	16.4
CRMS 0258	8.3	12.1	14.2	18.8	22.6	26.2	27.1	27.2	27.1	22.6	14.6	15.5
CRMS 0224	9.1	12.3	15.0	19.5	23.5	27.3	28.2	28.8	27.8	23.1	15.6	16.4
CRMS 0163	8.1	8.1	11.4	16.4	21.6	26.6	28.4	28.5	27.2	21.7	15.5	12.4
CRMS 0162	8.0	8.6	12.4	16.8	21.7	26.2	28.5	28.2	27.6	23.0	17.2	13.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-6.7	-5.1	-5.0	-3.0	-1.3	0.7	-0.5	-1.2	-2.8	1.0	-4.9
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.4	-6.1	-4.5	-3.9	-2.3	-1.3	-0.3	-0.9	-0.8	-1.4	-0.6	-2.2
USGS7380251 Barataria Bay North of Grand Isle	-1.3	-2.9	-2.5	-1.6	-0.8	-0.3	-0.1	-0.2	-0.1	-0.2	-0.5	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.1	-4.0	-3.1	-1.7	-1.0	-0.5	-0.4	-0.3	0.0	-0.1	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-1.0	-2.4	-1.9	-0.9	-0.6	-0.4	-0.2	-0.1	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.7	-1.2	-0.7	-0.3	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.2	-0.7	-0.4	-0.2	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.5	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.7	-1.1	-1.3	-0.6	-0.4	-0.3	-0.4	-0.3	-0.1	0.0	-0.1	0.0
CRMS 0258	-0.7	-1.2	-0.5	-0.3	-0.1	0.1	0.3	0.1	0.0	0.0	0.0	-0.1
CRMS 0224	-1.3	-2.3	-1.4	-0.7	-0.4	-0.3	-0.2	-0.1	0.0	-0.1	-0.1	-0.2
CRMS 0163	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.2

Figure WQ TEMP 129 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.2	19.6	23.7	27.5	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.4	20.1	24.3	28.3	29.3	29.7	28.4	24.0	17.1	17.0
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.5	18.8	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.8	19.8	24.0	27.6	28.6	28.9	27.8	22.9	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.8	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.3	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.3	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.9	15.8	16.8	20.2	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.2	13.6	16.0	20.0	24.1	27.6	28.7	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.4	14.1	14.7	19.1	22.8	26.1	26.8	27.4	27.4	22.6	14.6	14.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.5
CRMS 0163	9.1	9.8	11.3	16.2	21.2	26.4	28.4	28.5	27.2	22.0	15.4	10.9
CRMS 0162	9.9	11.7	12.0	16.6	21.3	26.1	28.5	28.2	27.6	23.5	16.9	11.0

V3PR3 HYST - cy 3 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.9	10.2	14.6	20.7	26.1	28.8	28.0	26.3	20.0	15.0	9.2
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.6	20.2	24.4	28.3	29.2	29.7	28.4	24.0	17.0	17.1
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.5	18.9	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	11.2	10.9	15.6	21.2	26.2	27.9	27.7	26.6	21.2	13.5	9.9
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.4	13.5	18.2	23.0	27.2	28.4	28.8	27.7	22.8	14.8	13.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	14.5	13.8	18.7	23.1	27.3	28.6	29.3	28.1	23.5	16.0	13.4
USGS 07380335 - Little Lake Near Cutoff	12.0	15.2	15.4	19.8	24.0	27.8	29.2	29.9	28.5	24.0	16.8	15.6
USGS073802516 Barataria Pass at Grand Isle	11.4	15.2	16.6	20.5	24.6	28.1	29.1	29.8	28.4	23.9	16.4	16.4
HWQ14 - Lake Washington	10.7	14.5	16.6	20.4	24.7	28.2	29.3	29.8	28.4	23.7	15.9	16.6
HWQ16 - Bayou Grand Liard	14.9	15.8	16.9	20.3	24.6	28.2	29.6	30.2	28.9	24.9	18.7	17.8
CRMS 3985	10.1	13.6	14.8	19.4	23.6	27.3	28.3	28.9	27.9	23.1	15.5	15.0
CRMS 0258	9.3	14.0	14.2	18.8	22.6	26.3	27.1	27.4	27.4	22.6	14.5	13.8
CRMS 0224	10.3	14.5	15.1	19.4	23.4	27.2	28.2	28.9	27.8	23.1	15.6	14.6
CRMS 0163	9.1	9.8	11.3	16.3	21.3	26.5	28.5	28.6	27.3	22.0	15.4	11.0
CRMS 0162	10.1	12.0	12.1	16.7	21.3	26.1	28.5	28.2	27.6	23.6	17.0	11.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-5.8	-5.0	-5.0	-3.0	-1.3	0.7	-0.6	-1.3	-2.6	0.9	-6.3
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-2.5	-4.4	-4.1	-2.4	-1.3	-0.3	-0.9	-0.8	-1.3	-0.5	-5.7
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.3	-2.3	-1.6	-1.0	-0.4	-0.1	-0.1	-0.1	-0.2	-0.4	-2.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-0.3	-2.9	-1.7	-1.2	-0.6	-0.4	-0.1	0.0	-0.1	-0.2	-3.5
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-1.8	-1.0	-0.8	-0.4	-0.2	0.0	0.0	0.0	-0.1	-1.9
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.6	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.9
HWQ14 - Lake Washington	-0.1	-0.1	-0.3	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.4
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.1	0.0	-1.2	-0.6	-0.5	-0.3	-0.4	-0.2	-0.1	0.0	-0.1	-1.2
CRMS 0258	-0.1	-0.1	-0.5	-0.3	-0.2	0.2	0.3	0.0	0.0	0.0	-0.1	-1.0
CRMS 0224	-0.1	-0.2	-1.2	-0.7	-0.5	-0.4	-0.2	-0.1	0.0	-0.1	-0.1	-1.9
CRMS 0163	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
CRMS 0162	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1

Figure WQ TEMP 130 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.4	15.2	19.6	23.6	27.4	28.2	28.6	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.6	20.0	24.4	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.9	14.9	18.6	23.6	27.8	29.1	29.6	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.3	19.7	23.6	27.4	28.2	28.5	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.3	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.6	14.8	17.0	20.1	24.5	28.2	29.6	30.2	28.9	24.9	18.7	18.6
CRMS 3985	10.1	13.5	16.2	20.0	24.1	27.6	28.8	29.2	28.0	23.1	15.5	16.4
CRMS 0258	9.2	13.3	14.6	19.1	22.7	26.1	27.8	28.6	27.4	22.6	14.6	15.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	8.7	8.5	11.6	16.0	21.5	26.5	28.3	28.6	27.4	21.6	15.4	12.2
CRMS 0162	8.5	9.1	12.7	16.4	21.5	26.1	28.5	28.6	27.8	22.6	16.3	12.8

V3PR4 HYST - cy 3 - 2002 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.3	14.6	20.7	26.1	28.2	27.7	26.4	19.9	15.1	10.5
CRMS0276 - Just east of Wilkinson Canal	11.7	14.2	16.7	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.9	14.9	18.6	23.6	27.8	29.1	29.6	28.2	23.3	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.0	7.4	11.7	15.1	20.9	26.1	27.4	27.7	26.5	21.1	13.9	12.2
USGS7380251 Barataria Bay North of Grand Isle	9.1	10.7	14.3	17.6	22.8	27.1	28.5	28.9	27.7	22.7	14.7	15.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.9	10.1	14.5	17.6	22.6	27.0	28.8	29.3	28.0	23.4	16.0	15.8
USGS 07380335 - Little Lake Near Cutoff	11.2	12.0	16.1	18.8	23.5	27.6	29.4	29.9	28.5	24.0	16.7	17.0
USGS073802516 Barataria Pass at Grand Isle	11.1	13.8	16.7	20.3	24.6	28.1	29.2	29.7	28.4	23.9	16.4	17.2
HWQ14 - Lake Washington	10.6	14.0	16.6	20.3	24.6	28.2	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.0	14.5	17.0	20.2	24.6	28.2	29.6	30.2	28.9	24.8	18.6	18.5
CRMS 3985	9.9	12.6	15.6	19.1	23.5	27.2	28.6	29.1	27.9	23.0	15.4	16.3
CRMS 0258	8.7	11.7	14.3	18.4	22.5	26.3	27.8	28.6	27.4	22.6	14.5	15.4
CRMS 0224	9.6	11.6	15.5	18.6	23.0	27.0	28.3	28.9	27.7	23.0	15.5	16.0
CRMS 0163	8.8	8.6	11.6	16.1	21.5	26.5	28.4	28.6	27.4	21.6	15.3	12.2
CRMS 0162	8.5	9.1	12.7	16.4	21.5	26.2	28.5	28.6	27.7	22.5	16.4	12.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.6	-4.9	-5.0	-3.0	-1.3	0.0	-0.9	-1.2	-2.7	1.0	-5.2
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.8	-6.3	-3.6	-4.6	-2.7	-1.3	-0.8	-0.8	-1.0	-1.5	-0.1	-3.5
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-2.9	-1.6	-2.2	-1.2	-0.5	-0.1	-0.1	-0.1	-0.2	-0.5	-0.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.3	-4.6	-2.2	-2.9	-1.7	-0.9	-0.1	-0.1	-0.1	-0.2	-0.3	-1.1
USGS 07380335 - Little Lake Near Cutoff	-0.7	-3.1	-1.2	-2.0	-1.3	-0.7	0.0	0.0	0.0	0.0	-0.1	-0.5
USGS073802516 Barataria Pass at Grand Isle	-0.5	-1.4	-0.5	-0.6	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.2
HWQ14 - Lake Washington	-0.1	-0.6	-0.3	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.5	-0.3	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.2	-0.9	-0.7	-1.0	-0.6	-0.4	-0.2	-0.1	-0.1	0.0	-0.1	-0.1
CRMS 0258	-0.5	-1.6	-0.3	-0.7	-0.2	0.2	0.0	0.0	0.0	-0.1	-0.1	-0.4
CRMS 0224	-0.8	-2.9	-0.9	-1.6	-0.9	-0.6	-0.1	-0.1	-0.1	-0.1	-0.1	-0.6
CRMS 0163	0.0	0.1	0.0	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	-0.1

Figure WQ TEMP 131 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.4	15.3	19.6	23.7	27.4	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.0	13.9	16.0	20.0	24.4	28.3	29.2	29.7	28.4	24.0	17.1	17.5
Barataria Waterway at Lafitte (USACE82875)	10.4	11.7	13.9	18.6	23.4	28.0	29.1	29.5	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.1	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.8	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.7	14.7	16.2	20.1	24.4	28.1	29.6	30.2	28.9	24.9	18.8	18.4
CRMS 3985	10.2	13.6	16.2	20.0	24.1	27.6	28.9	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.0	13.3	14.8	19.1	22.8	26.5	27.6	28.6	27.4	22.6	14.6	14.9
CRMS 0224	10.4	14.5	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.4	8.3	11.0	16.0	21.4	26.7	28.3	28.5	27.4	22.2	15.4	11.7
CRMS 0162	8.6	8.9	11.4	16.5	21.4	26.2	28.4	28.4	27.7	23.5	16.8	11.8

V3PR4 HYST - cy 3 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.8	28.0	27.7	26.4	20.1	15.1	9.9
CRMS0276 - Just east of Wilkinson Canal	11.9	14.1	16.3	20.1	24.4	28.3	29.2	29.8	28.4	24.0	17.1	17.3
Barataria Waterway at Lafitte (USACE82875)	10.4	11.7	13.9	18.6	23.4	28.0	29.1	29.5	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.3	10.4	15.1	21.0	26.0	27.4	27.8	26.5	21.2	13.9	11.3
USGS7380251 Barataria Bay North of Grand Isle	8.7	10.4	12.5	17.6	22.7	27.4	28.5	28.9	27.7	22.7	14.8	14.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.3	9.7	12.1	17.5	22.5	27.7	28.8	29.3	28.0	23.4	16.0	14.5
USGS 07380335 - Little Lake Near Cutoff	11.2	11.5	13.4	18.8	23.4	28.1	29.4	29.9	28.5	24.0	16.7	16.1
USGS073802516 Barataria Pass at Grand Isle	10.9	13.6	15.8	20.3	24.5	28.2	29.2	29.7	28.4	23.8	16.4	16.8
HWQ14 - Lake Washington	10.6	13.8	16.2	20.3	24.6	28.3	29.4	29.7	28.4	23.7	15.9	16.7
HWQ16 - Bayou Grand Liard	14.3	14.3	16.1	20.2	24.5	28.1	29.6	30.2	28.9	24.9	18.6	18.1
CRMS 3985	9.7	12.4	14.1	19.1	23.4	27.5	28.7	29.1	27.9	23.0	15.4	15.8
CRMS 0258	8.6	11.5	13.3	18.4	22.5	26.4	27.6	28.6	27.4	22.6	14.6	14.0
CRMS 0224	9.4	11.3	13.4	18.6	23.0	27.4	28.3	28.9	27.7	23.0	15.5	14.9
CRMS 0163	8.5	8.3	11.1	16.0	21.4	26.8	28.3	28.6	27.4	22.1	15.4	11.7
CRMS 0162	8.6	8.9	11.4	16.4	21.4	26.2	28.4	28.4	27.7	23.4	16.8	11.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.7	-5.2	-5.0	-3.0	-1.6	-0.2	-0.9	-1.2	-2.5	0.9	-5.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.2	-6.4	-5.0	-4.6	-2.7	-1.3	-0.8	-0.8	-1.0	-1.4	-0.1	-4.3
USGS7380251 Barataria Bay North of Grand Isle	-1.1	-3.2	-3.3	-2.2	-1.3	-0.2	-0.1	-0.1	-0.1	-0.2	-0.4	-1.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.9	-5.1	-4.7	-2.9	-1.8	-0.2	-0.1	-0.1	-0.1	-0.2	-0.2	-2.4
USGS 07380335 - Little Lake Near Cutoff	-0.8	-3.6	-3.8	-1.9	-1.4	-0.1	0.0	0.0	0.0	0.0	-0.1	-1.4
USGS073802516 Barataria Pass at Grand Isle	-0.6	-1.6	-1.4	-0.6	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5
HWQ14 - Lake Washington	-0.2	-0.7	-0.7	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
HWQ16 - Bayou Grand Liard	-0.3	-0.4	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.5	-1.2	-2.1	-0.9	-0.7	-0.1	-0.2	-0.1	-0.1	0.0	-0.1	-0.5
CRMS 0258	-0.5	-1.8	-1.4	-0.8	-0.3	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.9
CRMS 0224	-1.0	-3.3	-3.0	-1.6	-0.9	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-1.6
CRMS 0163	0.0	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1

Figure WQ TEMP 132 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.5	15.4	19.6	23.6	27.4	28.1	28.6	27.5	22.6	13.9	15.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.8	20.4	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	12.6	15.1	19.5	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.6	23.5	27.3	28.1	28.5	27.4	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.7	22.9	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.8	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.8	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.3	17.3	20.4	24.6	28.1	29.6	30.1	28.9	24.9	18.7	18.5
CRMS 3985	10.2	13.6	16.0	20.1	24.2	27.7	28.5	28.8	27.6	22.8	15.2	15.9
CRMS 0258	9.3	13.4	15.4	19.2	22.7	27.4	28.1	28.6	27.4	22.6	14.1	15.1
CRMS 0224	10.4	14.6	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	9.2	9.2	11.8	17.1	21.8	26.7	28.2	28.6	27.6	21.7	15.3	12.0
CRMS 0162	10.4	9.4	13.0	17.6	21.9	26.4	28.4	28.8	27.8	23.0	16.1	12.1

V3PR4 HYST - cy 3 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.2	10.6	15.2	20.6	25.6	28.0	27.7	26.5	19.9	15.0	10.8
CRMS0276 - Just east of Wilkinson Canal	12.1	14.6	16.8	20.4	24.5	28.3	29.2	29.7	28.4	24.0	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.6	12.5	15.0	19.4	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.3	8.8	12.4	17.4	21.4	26.0	27.3	27.7	26.5	21.1	13.9	13.0
USGS7380251 Barataria Bay North of Grand Isle	9.4	12.0	14.9	19.2	23.4	27.5	28.6	28.9	27.7	22.7	14.6	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	12.1	15.5	19.9	23.4	27.8	28.8	29.3	28.0	23.4	15.9	16.5
USGS 07380335 - Little Lake Near Cutoff	12.0	13.7	16.8	20.5	24.3	28.2	29.4	29.9	28.5	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.4	14.3	16.9	20.7	24.7	28.2	29.2	29.7	28.4	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.2	16.8	20.5	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.9	15.0	17.3	20.4	24.6	28.1	29.6	30.1	28.9	24.9	18.6	18.4
CRMS 3985	10.1	13.2	16.0	20.0	23.8	27.7	28.8	29.0	27.8	23.0	15.3	16.1
CRMS 0258	9.2	12.6	15.3	19.1	22.7	27.4	28.1	28.6	27.4	22.6	13.9	14.9
CRMS 0224	10.3	13.0	16.0	19.9	23.6	27.5	28.3	28.9	27.7	23.0	15.5	16.3
CRMS 0163	9.1	9.3	11.8	17.1	21.9	26.8	28.2	28.6	27.5	21.7	15.3	12.0
CRMS 0162	10.3	9.5	13.1	17.7	21.9	26.3	28.4	28.8	27.8	22.9	16.1	12.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-6.3	-4.8	-4.4	-3.0	-1.8	-0.2	-0.9	-1.0	-2.7	1.1	-4.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.5	-4.8	-2.9	-2.2	-2.1	-1.3	-0.8	-0.8	-0.9	-1.5	-0.1	-2.6
USGS7380251 Barataria Bay North of Grand Isle	-0.5	-1.6	-1.0	-0.6	-0.6	-0.1	0.0	-0.1	-0.1	-0.1	-0.5	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-2.7	-1.2	-0.5	-0.8	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.5	-0.5	-0.3	-0.5	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.9	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.1	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	-0.3	-0.1	-0.1	-0.3	-0.1	0.3	0.2	0.1	0.1	0.1	0.2
CRMS 0258	-0.1	-0.9	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2
CRMS 0224	-0.2	-1.6	-0.3	-0.2	-0.3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	-0.1	0.1	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1

Figure WQ TEMP 133 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.5	15.2	19.6	23.6	27.4	28.1	28.5	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	11.9	13.6	16.2	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.3	14.5	18.9	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.8	19.8	23.9	27.6	28.6	28.9	27.7	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.8	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	11.9	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.3	14.3	16.6	20.2	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.1	13.6	16.2	20.0	24.1	27.6	28.7	29.0	28.0	23.1	15.5	16.4
CRMS 0258	9.0	13.3	14.7	19.1	22.7	26.0	26.7	27.1	27.1	22.6	14.6	15.5
CRMS 0224	10.4	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.0	8.0	11.4	16.3	21.6	26.6	28.4	28.5	27.2	21.7	15.5	12.4
CRMS 0162	7.9	8.6	12.2	16.8	21.6	26.2	28.5	28.2	27.5	22.8	17.1	13.4

V3PR4 HYST - cy 3 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.6	26.1	28.7	27.9	26.3	19.9	15.1	10.9
CRMS0276 - Just east of Wilkinson Canal	11.4	13.9	16.5	20.2	24.5	28.3	29.2	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.2	11.4	14.6	19.0	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.2	10.5	15.2	21.0	26.1	28.2	27.8	26.4	21.1	14.0	13.1
USGS7380251 Barataria Bay North of Grand Isle	8.2	10.1	13.1	17.9	22.9	27.2	28.4	28.7	27.7	22.7	14.8	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.2	9.4	12.5	17.8	22.8	27.1	28.5	29.0	28.0	23.4	16.0	16.5
USGS 07380335 - Little Lake Near Cutoff	10.3	11.2	14.2	19.1	23.7	27.7	29.1	29.7	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	10.5	13.4	16.0	20.3	24.6	28.1	29.1	29.7	28.4	23.9	16.4	17.2
HWQ14 - Lake Washington	10.5	13.7	16.4	20.4	24.7	28.2	29.3	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	13.4	14.0	16.5	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.3	12.1	14.7	19.3	23.6	27.2	28.2	28.7	27.9	23.0	15.5	16.4
CRMS 0258	8.0	11.3	13.7	18.5	22.6	26.2	27.3	27.2	27.1	22.6	14.6	15.4
CRMS 0224	8.5	10.9	14.0	18.8	23.2	27.1	28.1	28.8	27.7	23.1	15.5	16.4
CRMS 0163	8.1	8.1	11.4	16.4	21.6	26.6	28.4	28.5	27.2	21.7	15.5	12.4
CRMS 0162	8.0	8.6	12.2	16.8	21.6	26.2	28.5	28.2	27.5	22.6	17.1	13.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-6.7	-5.2	-5.0	-3.0	-1.4	0.6	-0.6	-1.3	-2.7	1.0	-4.8
CRMS0276 - Just east of Wilkinson Canal	-0.5	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.6	-6.5	-4.9	-4.4	-2.6	-1.3	0.1	-0.7	-1.0	-1.5	-0.1	-2.6
USGS7380251 Barataria Bay North of Grand Isle	-1.5	-3.6	-2.8	-1.9	-1.0	-0.4	-0.1	-0.2	-0.1	-0.2	-0.5	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.0	-5.3	-4.2	-2.6	-1.5	-0.8	-0.5	-0.4	-0.1	-0.2	-0.3	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.6	-3.8	-3.1	-1.7	-1.0	-0.6	-0.3	-0.2	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-1.0	-1.8	-1.1	-0.5	-0.2	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.3	-0.9	-0.5	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.8	-0.3	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.8	-1.5	-1.6	-0.8	-0.5	-0.4	-0.5	-0.3	-0.1	0.0	-0.1	0.0
CRMS 0258	-1.0	-2.0	-1.1	-0.6	-0.1	0.2	0.5	0.1	0.0	-0.1	-0.1	-0.1
CRMS 0224	-1.9	-3.6	-2.3	-1.3	-0.7	-0.5	-0.2	-0.2	0.0	-0.1	-0.1	-0.2
CRMS 0163	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.3

Figure WQ TEMP 134 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.2	19.6	23.7	27.5	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.4	20.1	24.3	28.3	29.3	29.7	28.4	24.0	17.1	17.0
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.5	18.8	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.8	19.8	24.0	27.6	28.6	28.9	27.8	22.9	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.8	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.3	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.3	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.9	15.8	16.8	20.2	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.2	13.6	16.0	20.0	24.1	27.6	28.7	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.4	14.1	14.7	19.1	22.8	26.1	26.8	27.4	27.4	22.6	14.6	14.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.5
CRMS 0163	9.1	9.8	11.3	16.2	21.2	26.4	28.4	28.5	27.2	22.0	15.4	10.9
CRMS 0162	9.9	11.7	12.0	16.6	21.3	26.1	28.5	28.2	27.6	23.5	16.9	11.0

V3PR4 HYST - cy 3 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	7.9	10.2	14.6	20.7	26.1	28.7	27.9	26.3	20.0	15.0	9.2
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.6	20.1	24.4	28.3	29.2	29.7	28.4	24.0	17.0	17.0
Barataria Waterway at Lafitte (USACE82875)	10.6	12.9	14.4	18.8	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	10.8	10.7	15.1	20.9	26.1	28.3	27.8	26.5	21.2	14.0	9.6
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.4	13.1	17.7	22.7	27.0	28.4	28.8	27.7	22.7	14.8	12.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	14.4	12.8	17.7	22.5	27.0	28.5	29.3	28.0	23.4	15.9	12.1
USGS 07380335 - Little Lake Near Cutoff	12.0	15.2	14.4	19.0	23.4	27.5	29.0	29.9	28.5	24.1	16.8	14.1
USGS073802516 Barataria Pass at Grand Isle	11.4	15.2	16.3	20.3	24.5	28.1	29.1	29.8	28.4	23.9	16.4	15.9
HWQ14 - Lake Washington	10.7	14.5	16.5	20.4	24.6	28.2	29.3	29.7	28.4	23.7	15.9	16.4
HWQ16 - Bayou Grand Liard	14.8	15.7	16.8	20.2	24.5	28.2	29.6	30.2	28.9	24.9	18.7	17.5
CRMS 3985	10.1	13.6	14.5	19.2	23.4	27.2	28.3	28.9	27.9	23.0	15.5	14.6
CRMS 0258	9.3	14.0	13.8	18.4	22.5	26.4	27.3	27.4	27.4	22.6	14.5	13.2
CRMS 0224	10.3	14.4	14.2	18.7	23.0	27.0	28.1	28.9	27.7	23.1	15.5	13.5
CRMS 0163	9.1	9.7	11.3	16.3	21.3	26.5	28.5	28.6	27.2	22.0	15.4	11.0
CRMS 0162	9.9	11.5	12.1	16.7	21.3	26.1	28.5	28.2	27.6	23.4	16.9	11.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-5.7	-5.0	-5.0	-3.0	-1.3	0.6	-0.7	-1.3	-2.6	0.9	-6.3
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-3.0	-4.7	-4.5	-2.7	-1.3	0.1	-0.8	-1.0	-1.4	-0.1	-6.0
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.3	-2.7	-2.1	-1.3	-0.5	-0.1	-0.1	-0.1	-0.2	-0.5	-3.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-0.4	-3.9	-2.7	-1.8	-1.0	-0.4	-0.1	-0.1	-0.2	-0.3	-4.8
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-2.9	-1.8	-1.4	-0.8	-0.3	0.0	0.0	0.0	-0.1	-3.4
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.9	-0.5	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-1.4
HWQ14 - Lake Washington	-0.1	-0.1	-0.4	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.5
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.6
CRMS 3985	-0.1	0.0	-1.5	-0.8	-0.7	-0.4	-0.4	-0.2	-0.1	0.0	-0.1	-1.6
CRMS 0258	-0.1	-0.1	-0.9	-0.7	-0.3	0.2	0.5	0.0	0.0	-0.1	-0.1	-1.6
CRMS 0224	-0.1	-0.2	-2.1	-1.4	-0.9	-0.6	-0.2	-0.1	-0.1	-0.1	-0.1	-3.0
CRMS 0163	0.0	-0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1
CRMS 0162	-0.1	-0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 135 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.4	15.2	19.6	23.6	27.4	28.2	28.6	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.6	20.0	24.4	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.9	14.9	18.6	23.6	27.8	29.1	29.6	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.3	19.7	23.6	27.4	28.2	28.5	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.3	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.6	14.8	17.0	20.1	24.5	28.2	29.6	30.2	28.9	24.9	18.7	18.6
CRMS 3985	10.1	13.5	16.2	20.0	24.1	27.6	28.8	29.2	28.0	23.1	15.5	16.4
CRMS 0258	9.2	13.3	14.6	19.1	22.7	26.1	27.8	28.6	27.4	22.6	14.6	15.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	8.7	8.5	11.6	16.0	21.5	26.5	28.3	28.6	27.4	21.6	15.4	12.2
CRMS 0162	8.5	9.1	12.7	16.4	21.5	26.1	28.5	28.6	27.8	22.6	16.3	12.8

V3PR5 HYST - cy 3 - 2002 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.3	14.6	20.7	26.1	28.2	27.7	26.4	19.8	15.0	10.2
CRMS0276 - Just east of Wilkinson Canal	11.7	14.2	16.7	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.9	14.9	18.6	23.6	27.8	29.1	29.6	28.2	23.3	16.1	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	7.6	12.2	15.2	21.1	26.1	27.3	27.8	26.5	21.3	14.0	12.8
USGS7380251 Barataria Bay North of Grand Isle	9.1	10.6	14.2	17.6	22.7	27.0	28.5	28.9	27.7	22.7	14.8	15.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.9	10.1	14.5	17.5	22.6	27.0	28.8	29.3	28.0	23.4	16.0	15.7
USGS 07380335 - Little Lake Near Cutoff	11.2	12.0	16.0	18.8	23.5	27.6	29.4	29.9	28.5	24.0	16.7	17.0
USGS073802516 Barataria Pass at Grand Isle	11.1	13.8	16.7	20.3	24.6	28.1	29.2	29.7	28.4	23.8	16.4	17.2
HWQ14 - Lake Washington	10.6	13.9	16.6	20.3	24.6	28.2	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.0	14.4	17.0	20.2	24.6	28.2	29.6	30.2	28.9	24.8	18.6	18.5
CRMS 3985	9.9	12.5	15.5	19.1	23.4	27.2	28.6	29.1	27.9	23.0	15.4	16.3
CRMS 0258	8.8	11.8	14.4	18.4	22.5	26.3	27.8	28.6	27.4	22.6	14.5	15.4
CRMS 0224	9.6	11.8	15.5	18.6	23.1	27.0	28.3	28.9	27.7	23.0	15.5	16.0
CRMS 0163	8.8	8.6	11.6	16.0	21.5	26.5	28.3	28.6	27.4	21.6	15.3	12.2
CRMS 0162	8.6	9.2	12.7	16.4	21.6	26.2	28.5	28.6	27.7	22.5	16.4	12.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.6	-4.9	-5.0	-3.0	-1.3	0.0	-0.9	-1.1	-2.7	0.9	-5.5
CRMS0276 - Just east of Wilkinson Canal	-0.3	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-6.0	-3.2	-4.4	-2.5	-1.3	-0.9	-0.8	-0.9	-1.3	-0.1	-2.9
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-3.0	-1.7	-2.3	-1.2	-0.5	-0.1	-0.1	-0.1	-0.2	-0.5	-0.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.3	-4.6	-2.2	-2.9	-1.7	-0.9	-0.1	-0.1	-0.1	-0.2	-0.3	-1.2
USGS 07380335 - Little Lake Near Cutoff	-0.7	-3.1	-1.3	-2.0	-1.3	-0.7	0.0	0.0	0.0	0.0	-0.1	-0.6
USGS073802516 Barataria Pass at Grand Isle	-0.5	-1.4	-0.5	-0.6	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.2
HWQ14 - Lake Washington	-0.1	-0.7	-0.3	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.5	-0.3	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.2	-1.0	-0.7	-1.0	-0.7	-0.4	-0.2	-0.1	-0.1	0.0	-0.1	-0.1
CRMS 0258	-0.4	-1.5	-0.3	-0.7	-0.2	0.2	0.0	0.0	0.0	0.0	-0.1	-0.3
CRMS 0224	-0.8	-2.8	-0.9	-1.5	-0.8	-0.5	-0.1	-0.1	-0.1	-0.1	-0.1	-0.6
CRMS 0163	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	-0.2

Figure WQ TEMP 136 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.4	15.3	19.6	23.7	27.4	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.0	13.9	16.0	20.0	24.4	28.3	29.2	29.7	28.4	24.0	17.1	17.5
Barataria Waterway at Lafitte (USACE82875)	10.4	11.7	13.9	18.6	23.4	28.0	29.1	29.5	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.1	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.8	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.7	14.7	16.2	20.1	24.4	28.1	29.6	30.2	28.9	24.9	18.8	18.4
CRMS 3985	10.2	13.6	16.2	20.0	24.1	27.6	28.9	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.0	13.3	14.8	19.1	22.8	26.5	27.6	28.6	27.4	22.6	14.6	14.9
CRMS 0224	10.4	14.5	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.4	8.3	11.0	16.0	21.4	26.7	28.3	28.5	27.4	22.2	15.4	11.7
CRMS 0162	8.6	8.9	11.4	16.5	21.4	26.2	28.4	28.4	27.7	23.5	16.8	11.8

V3PR5 HYST - cy 3 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.8	27.9	27.7	26.4	20.1	15.1	9.9
CRMS0276 - Just east of Wilkinson Canal	11.9	14.1	16.3	20.1	24.4	28.3	29.2	29.8	28.4	24.0	17.1	17.3
Barataria Waterway at Lafitte (USACE82875)	10.4	11.7	13.9	18.6	23.4	28.0	29.1	29.5	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.8	7.5	10.5	15.2	21.0	26.2	27.3	27.8	26.5	21.3	14.0	11.7
USGS7380251 Barataria Bay North of Grand Isle	8.6	10.3	12.5	17.6	22.7	27.4	28.5	28.9	27.7	22.7	14.8	14.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.3	9.7	12.0	17.5	22.5	27.7	28.8	29.3	28.0	23.4	16.0	14.4
USGS 07380335 - Little Lake Near Cutoff	11.2	11.5	13.4	18.8	23.4	28.1	29.4	29.9	28.5	24.1	16.7	16.1
USGS073802516 Barataria Pass at Grand Isle	10.9	13.6	15.8	20.3	24.5	28.2	29.2	29.7	28.4	23.8	16.4	16.8
HWQ14 - Lake Washington	10.6	13.8	16.2	20.3	24.6	28.3	29.4	29.7	28.4	23.7	15.9	16.7
HWQ16 - Bayou Grand Liard	14.3	14.3	16.1	20.2	24.5	28.1	29.6	30.2	28.9	24.9	18.7	18.1
CRMS 3985	9.7	12.3	14.1	19.1	23.4	27.5	28.7	29.1	27.9	23.0	15.4	15.8
CRMS 0258	8.6	11.6	13.4	18.4	22.5	26.4	27.6	28.6	27.4	22.6	14.6	14.1
CRMS 0224	9.5	11.4	13.4	18.6	23.0	27.4	28.3	28.9	27.7	23.0	15.5	15.0
CRMS 0163	8.5	8.3	11.1	16.0	21.4	26.8	28.3	28.6	27.4	22.1	15.4	11.7
CRMS 0162	8.6	9.0	11.4	16.4	21.4	26.2	28.4	28.4	27.8	23.5	16.8	11.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.7	-5.2	-5.0	-3.0	-1.6	-0.2	-0.9	-1.2	-2.5	1.0	-5.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-6.2	-4.9	-4.5	-2.6	-1.2	-0.9	-0.8	-1.0	-1.2	0.0	-3.9
USGS7380251 Barataria Bay North of Grand Isle	-1.2	-3.3	-3.3	-2.2	-1.3	-0.2	-0.1	-0.1	-0.1	-0.2	-0.4	-1.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.9	-5.1	-4.7	-2.9	-1.8	-0.2	-0.1	-0.1	-0.1	-0.2	-0.3	-2.5
USGS 07380335 - Little Lake Near Cutoff	-0.8	-3.5	-3.8	-1.9	-1.4	-0.2	0.0	0.0	0.0	0.0	-0.1	-1.4
USGS073802516 Barataria Pass at Grand Isle	-0.6	-1.6	-1.4	-0.6	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5
HWQ14 - Lake Washington	-0.2	-0.8	-0.7	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ16 - Bayou Grand Liard	-0.3	-0.4	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.3
CRMS 3985	-0.5	-1.3	-2.1	-1.0	-0.7	-0.1	-0.2	-0.1	0.0	0.0	-0.1	-0.5
CRMS 0258	-0.4	-1.6	-1.4	-0.7	-0.3	0.0	0.0	0.0	0.0	-0.1	0.0	-0.8
CRMS 0224	-0.9	-3.1	-2.9	-1.6	-0.9	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-1.6
CRMS 0163	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	-0.1	0.0	0.1
CRMS 0162	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 137 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.5	15.4	19.6	23.6	27.4	28.1	28.6	27.5	22.6	13.9	15.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.8	20.4	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	12.6	15.1	19.5	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.6	23.5	27.3	28.1	28.5	27.4	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.7	22.9	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.8	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.8	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.3	17.3	20.4	24.6	28.1	29.6	30.1	28.9	24.9	18.7	18.5
CRMS 3985	10.2	13.6	16.0	20.1	24.2	27.7	28.5	28.8	27.6	22.8	15.2	15.9
CRMS 0258	9.3	13.4	15.4	19.2	22.7	27.4	28.1	28.6	27.4	22.6	14.1	15.1
CRMS 0224	10.4	14.6	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	9.2	9.2	11.8	17.1	21.8	26.7	28.2	28.6	27.6	21.7	15.3	12.0
CRMS 0162	10.4	9.4	13.0	17.6	21.9	26.4	28.4	28.8	27.8	23.0	16.1	12.1

V3PR5 HYST - cy 3 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	7.1	10.6	15.2	20.6	25.6	27.9	27.7	26.5	19.9	15.0	10.6
CRMS0276 - Just east of Wilkinson Canal	12.1	14.6	16.8	20.4	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.7	12.5	15.0	19.4	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	9.3	12.9	17.8	21.8	26.2	27.2	27.7	26.5	21.3	13.9	13.7
USGS7380251 Barataria Bay North of Grand Isle	9.4	12.0	14.9	19.2	23.4	27.5	28.6	28.9	27.6	22.7	14.6	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	12.1	15.5	19.9	23.5	27.7	28.8	29.3	28.0	23.4	15.9	16.5
USGS 07380335 - Little Lake Near Cutoff	12.0	13.6	16.7	20.5	24.3	28.2	29.4	29.9	28.5	24.0	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.4	14.3	17.0	20.7	24.7	28.2	29.2	29.7	28.4	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.2	16.8	20.5	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.9	15.0	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.5	18.4
CRMS 3985	10.1	13.2	16.0	20.0	23.8	27.6	28.8	29.0	27.8	23.0	15.3	16.0
CRMS 0258	9.2	12.6	15.3	19.1	22.7	27.4	28.1	28.6	27.4	22.6	13.9	14.9
CRMS 0224	10.3	13.1	16.0	19.9	23.6	27.5	28.3	28.9	27.7	23.0	15.5	16.4
CRMS 0163	9.1	9.2	11.8	17.1	21.9	26.8	28.2	28.6	27.5	21.7	15.3	12.1
CRMS 0162	10.3	9.5	13.1	17.7	21.9	26.4	28.3	28.8	27.8	22.9	16.1	12.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.3	-4.8	-4.4	-3.0	-1.8	-0.2	-0.9	-1.1	-2.7	1.1	-4.9
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.2	-4.4	-2.5	-1.9	-1.8	-1.1	-0.9	-0.8	-0.9	-1.3	0.0	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-0.5	-1.7	-1.0	-0.6	-0.6	-0.1	0.0	-0.1	-0.1	-0.2	-0.5	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.6	-2.7	-1.2	-0.5	-0.8	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.5	-0.5	-0.3	-0.5	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.9	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	-0.4	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.1	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	-0.3	-0.1	-0.1	-0.3	-0.1	0.3	0.2	0.2	0.1	0.1	0.2
CRMS 0258	-0.1	-0.8	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2
CRMS 0224	-0.2	-1.5	-0.3	-0.2	-0.3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
CRMS 0163	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 138 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.5	15.2	19.6	23.6	27.4	28.1	28.5	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	11.9	13.6	16.2	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.3	14.5	18.9	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.8	19.8	23.9	27.6	28.6	28.9	27.7	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.8	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	11.9	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.3	14.3	16.6	20.2	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.1	13.6	16.2	20.0	24.1	27.6	28.7	29.0	28.0	23.1	15.5	16.4
CRMS 0258	9.0	13.3	14.7	19.1	22.7	26.0	26.7	27.1	27.1	22.6	14.6	15.5
CRMS 0224	10.4	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.0	8.0	11.4	16.3	21.6	26.6	28.4	28.5	27.2	21.7	15.5	12.4
CRMS 0162	7.9	8.6	12.2	16.8	21.6	26.2	28.5	28.2	27.5	22.8	17.1	13.4

V3PR5 HYST - cy 3 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.6	26.1	28.7	27.9	26.2	19.8	15.1	10.7
CRMS0276 - Just east of Wilkinson Canal	11.4	13.9	16.5	20.2	24.5	28.3	29.2	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.2	11.4	14.6	19.0	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.3	10.7	15.5	21.2	26.1	28.1	27.8	26.5	21.3	14.0	13.7
USGS7380251 Barataria Bay North of Grand Isle	8.2	10.0	13.0	17.8	22.9	27.1	28.4	28.7	27.6	22.7	14.8	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.2	9.4	12.6	17.8	22.8	27.1	28.5	29.0	28.0	23.4	16.0	16.5
USGS 07380335 - Little Lake Near Cutoff	10.3	11.2	14.2	19.1	23.8	27.7	29.1	29.7	28.5	24.1	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	10.5	13.4	16.1	20.3	24.6	28.1	29.1	29.7	28.4	23.9	16.4	17.2
HWQ14 - Lake Washington	10.5	13.7	16.3	20.4	24.7	28.2	29.3	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	13.4	14.0	16.5	20.3	24.6	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.2	12.1	14.6	19.2	23.6	27.2	28.2	28.7	27.9	23.0	15.5	16.4
CRMS 0258	8.0	11.4	13.8	18.5	22.6	26.2	27.2	27.3	27.1	22.6	14.6	15.4
CRMS 0224	8.6	11.0	14.2	18.9	23.2	27.1	28.1	28.8	27.7	23.1	15.5	16.4
CRMS 0163	8.1	8.1	11.4	16.4	21.6	26.6	28.4	28.5	27.2	21.6	15.5	12.3
CRMS 0162	8.0	8.6	12.3	16.8	21.6	26.2	28.5	28.2	27.5	22.6	17.1	13.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-6.7	-5.2	-5.0	-3.0	-1.4	0.6	-0.6	-1.3	-2.8	0.9	-5.0
CRMS0276 - Just east of Wilkinson Canal	-0.5	0.3	0.3	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.5	-6.4	-4.6	-4.2	-2.4	-1.2	-0.1	-0.7	-1.0	-1.3	0.0	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-1.5	-3.6	-2.9	-2.0	-1.1	-0.4	-0.1	-0.2	-0.1	-0.2	-0.5	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.0	-5.3	-4.2	-2.6	-1.5	-0.8	-0.4	-0.4	-0.1	-0.2	-0.3	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.6	-3.8	-3.1	-1.7	-1.0	-0.6	-0.3	-0.2	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-1.0	-1.8	-1.1	-0.5	-0.2	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.3	-1.0	-0.6	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	-0.8	-0.3	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.9	-1.6	-1.6	-0.8	-0.5	-0.4	-0.5	-0.4	-0.1	-0.1	-0.1	0.0
CRMS 0258	-0.9	-1.9	-1.0	-0.6	-0.1	0.2	0.5	0.1	0.0	-0.1	-0.1	-0.1
CRMS 0224	-1.8	-3.5	-2.2	-1.2	-0.7	-0.5	-0.2	-0.2	0.0	-0.1	-0.1	-0.2
CRMS 0163	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	0.0	-0.2

Figure WQ TEMP 139 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.2	19.6	23.7	27.5	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.4	20.1	24.3	28.3	29.3	29.7	28.4	24.0	17.1	17.0
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.5	18.8	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.8	19.8	24.0	27.6	28.6	28.9	27.8	22.9	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.8	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.3	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.3	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.9	15.8	16.8	20.2	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.2	13.6	16.0	20.0	24.1	27.6	28.7	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.4	14.1	14.7	19.1	22.8	26.1	26.8	27.4	27.4	22.6	14.6	14.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.5
CRMS 0163	9.1	9.8	11.3	16.2	21.2	26.4	28.4	28.5	27.2	22.0	15.4	10.9
CRMS 0162	9.9	11.7	12.0	16.6	21.3	26.1	28.5	28.2	27.6	23.5	16.9	11.0

V3PR5 HYST - cy 3 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	7.8	10.2	14.6	20.7	26.1	28.7	27.9	26.3	20.0	15.0	9.1
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.6	20.1	24.4	28.3	29.2	29.7	28.4	24.0	17.0	17.0
Barataria Waterway at Lafitte (USACE82875)	10.6	12.9	14.5	18.8	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.5	10.8	15.3	21.0	26.1	28.1	27.8	26.5	21.3	14.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.4	13.1	17.7	22.7	27.0	28.4	28.8	27.7	22.7	14.8	12.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	14.4	12.8	17.7	22.5	27.0	28.5	29.3	28.0	23.4	15.9	12.1
USGS 07380335 - Little Lake Near Cutoff	12.0	15.2	14.3	19.0	23.4	27.5	29.1	29.9	28.5	24.1	16.8	14.2
USGS073802516 Barataria Pass at Grand Isle	11.4	15.2	16.3	20.3	24.6	28.1	29.1	29.8	28.4	23.9	16.4	15.9
HWQ14 - Lake Washington	10.7	14.5	16.5	20.3	24.6	28.2	29.3	29.7	28.4	23.7	15.9	16.4
HWQ16 - Bayou Grand Liard	14.8	15.7	16.8	20.3	24.5	28.2	29.6	30.2	28.9	24.9	18.7	17.5
CRMS 3985	10.1	13.6	14.4	19.2	23.4	27.2	28.2	28.9	27.9	23.0	15.4	14.5
CRMS 0258	9.3	14.0	13.9	18.5	22.5	26.4	27.3	27.3	27.4	22.6	14.5	13.3
CRMS 0224	10.3	14.4	14.3	18.8	23.0	27.0	28.1	28.9	27.7	23.1	15.5	13.6
CRMS 0163	9.1	9.7	11.3	16.3	21.3	26.5	28.4	28.6	27.2	21.9	15.4	11.0
CRMS 0162	9.9	11.3	12.1	16.7	21.3	26.1	28.5	28.2	27.5	23.3	16.9	11.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-5.8	-5.0	-5.0	-3.0	-1.3	0.6	-0.7	-1.3	-2.6	0.9	-6.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-2.2	-4.5	-4.4	-2.6	-1.3	-0.1	-0.8	-1.0	-1.2	0.0	-5.8
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.3	-2.7	-2.1	-1.3	-0.5	-0.1	-0.1	-0.1	-0.2	-0.5	-3.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-0.4	-3.9	-2.7	-1.8	-1.0	-0.4	-0.2	-0.1	-0.2	-0.3	-4.9
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-2.9	-1.8	-1.4	-0.7	-0.3	0.0	0.0	0.0	-0.1	-3.3
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.9	-0.5	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-1.4
HWQ14 - Lake Washington	-0.1	-0.1	-0.4	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.6
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.6
CRMS 3985	-0.1	0.0	-1.7	-0.9	-0.7	-0.4	-0.4	-0.2	-0.1	-0.1	-0.1	-1.8
CRMS 0258	-0.1	-0.1	-0.8	-0.6	-0.2	0.3	0.5	0.0	0.0	0.0	-0.1	-0.1	-1.5
CRMS 0224	-0.2	-0.2	-2.0	-1.4	-0.9	-0.6	-0.2	-0.1	-0.1	-0.1	-0.1	-2.9
CRMS 0163	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	-0.1	-0.3	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	-0.2	0.0	0.0

Figure WQ TEMP 140 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.4	15.2	19.6	23.6	27.4	28.2	28.6	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.6	20.0	24.4	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.9	14.9	18.6	23.6	27.8	29.1	29.6	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.3	19.7	23.6	27.4	28.2	28.5	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.3	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.6	14.8	17.0	20.1	24.5	28.2	29.6	30.2	28.9	24.9	18.7	18.6
CRMS 3985	10.1	13.5	16.2	20.0	24.1	27.6	28.8	29.2	28.0	23.1	15.5	16.4
CRMS 0258	9.2	13.3	14.6	19.1	22.7	26.1	27.8	28.6	27.4	22.6	14.6	15.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	8.7	8.5	11.6	16.0	21.5	26.5	28.3	28.6	27.4	21.6	15.4	12.2
CRMS 0162	8.5	9.1	12.7	16.4	21.5	26.1	28.5	28.6	27.8	22.6	16.3	12.8

V3PR6 HYST - cy 3 - 2002 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.4	14.5	20.6	26.1	28.3	27.9	26.6	19.9	15.0	10.5
CRMS0276 - Just east of Wilkinson Canal	11.5	13.6	16.8	20.0	24.3	28.1	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	12.2	15.0	18.8	23.7	27.9	29.2	29.6	28.2	23.4	16.1	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	7.4	12.3	15.0	20.9	26.1	27.1	27.3	26.5	21.5	14.0	12.8
USGS7380251 Barataria Bay North of Grand Isle	8.8	9.0	13.4	16.2	21.8	26.6	28.4	28.8	27.6	22.6	14.7	14.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	8.3	13.5	15.9	21.5	26.4	28.6	29.1	27.8	23.1	15.8	14.8
USGS 07380335 - Little Lake Near Cutoff	10.5	9.8	14.7	17.0	22.4	27.0	29.3	29.9	28.4	24.0	16.5	16.3
USGS073802516 Barataria Pass at Grand Isle	10.5	12.7	16.2	19.7	24.2	28.0	29.2	29.7	28.3	23.8	16.4	17.0
HWQ14 - Lake Washington	10.5	13.2	16.4	19.8	24.4	28.0	29.4	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	13.5	13.5	16.8	19.6	24.3	28.2	29.6	30.2	28.9	24.8	18.6	18.4
CRMS 3985	9.7	11.3	14.9	18.0	22.9	26.9	28.6	29.1	27.9	23.0	15.4	16.0
CRMS 0258	8.6	10.7	13.9	17.5	22.4	26.4	27.8	28.6	27.4	22.5	14.5	15.1
CRMS 0224	9.3	9.9	14.7	17.0	22.3	26.6	28.2	28.8	27.6	22.9	15.5	15.5
CRMS 0163	8.8	8.7	11.6	16.1	21.6	26.6	28.4	28.6	27.4	21.5	15.3	12.2
CRMS 0162	8.5	9.1	12.6	16.4	21.5	26.1	28.5	28.6	27.8	22.5	16.4	12.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.7	-4.8	-5.1	-3.0	-1.3	0.1	-0.7	-1.0	-2.7	0.8	-5.2
CRMS0276 - Just east of Wilkinson Canal	-0.5	-0.5	0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.3	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.4	-6.3	-3.1	-4.7	-2.7	-1.3	-1.0	-1.3	-0.9	-1.1	0.0	-2.9
USGS7380251 Barataria Bay North of Grand Isle	-1.0	-4.6	-2.5	-3.6	-2.1	-1.0	-0.2	-0.2	-0.2	-0.3	-0.5	-1.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.8	-6.4	-3.2	-4.5	-2.8	-1.5	-0.3	-0.3	-0.3	-0.5	-0.5	-2.1
USGS 07380335 - Little Lake Near Cutoff	-1.5	-5.3	-2.5	-3.8	-2.4	-1.3	-0.1	-0.1	-0.1	-0.1	-0.3	-1.3
USGS073802516 Barataria Pass at Grand Isle	-1.0	-2.5	-1.0	-1.2	-0.5	-0.3	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ14 - Lake Washington	-0.2	-1.4	-0.5	-0.8	-0.4	-0.3	0.0	0.0	0.0	0.0	-0.1	-0.2
HWQ16 - Bayou Grand Liard	-1.1	-1.3	-0.2	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.5	-2.3	-1.4	-2.0	-1.2	-0.7	-0.2	-0.1	0.0	0.0	-0.1	-0.4
CRMS 0258	-0.6	-2.6	-0.7	-1.6	-0.4	0.3	0.0	0.0	0.0	-0.1	-0.1	-0.6
CRMS 0224	-1.1	-4.7	-1.6	-3.1	-1.6	-1.0	-0.2	-0.1	-0.2	-0.2	-0.2	-1.1
CRMS 0163	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1

Figure WQ TEMP 141 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.4	15.3	19.6	23.7	27.4	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.0	13.9	16.0	20.0	24.4	28.3	29.2	29.7	28.4	24.0	17.1	17.5
Barataria Waterway at Lafitte (USACE82875)	10.4	11.7	13.9	18.6	23.4	28.0	29.1	29.5	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.1	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.8	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.7	14.7	16.2	20.1	24.4	28.1	29.6	30.2	28.9	24.9	18.8	18.4
CRMS 3985	10.2	13.6	16.2	20.0	24.1	27.6	28.9	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.0	13.3	14.8	19.1	22.8	26.5	27.6	28.6	27.4	22.6	14.6	14.9
CRMS 0224	10.4	14.5	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.4	8.3	11.0	16.0	21.4	26.7	28.3	28.5	27.4	22.2	15.4	11.7
CRMS 0162	8.6	8.9	11.4	16.5	21.4	26.2	28.4	28.4	27.7	23.5	16.8	11.8

V3PR6 HYST - cy 3 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	25.9	28.0	27.7	26.5	20.1	15.0	9.9
CRMS0276 - Just east of Wilkinson Canal	11.8	13.5	15.7	20.0	24.2	28.3	29.2	29.7	28.4	24.0	17.1	17.1
Barataria Waterway at Lafitte (USACE82875)	10.4	12.0	14.2	18.8	23.5	28.0	29.1	29.6	28.2	23.5	16.2	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	7.0	7.2	10.3	14.9	20.9	26.1	27.0	27.3	26.5	21.6	14.1	11.7
USGS7380251 Barataria Bay North of Grand Isle	8.0	8.6	11.2	16.3	21.8	27.3	28.5	28.8	27.6	22.6	14.7	13.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.3	8.0	10.9	15.9	21.5	27.4	28.6	29.1	27.8	23.1	15.8	13.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	11.7	17.0	22.3	28.0	29.3	29.9	28.4	24.0	16.5	14.6
USGS073802516 Barataria Pass at Grand Isle	10.4	12.2	14.4	19.7	24.2	28.1	29.2	29.7	28.3	23.8	16.4	16.3
HWQ14 - Lake Washington	10.5	12.9	15.3	19.8	24.3	28.3	29.4	29.7	28.4	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	14.1	13.2	14.9	19.6	24.2	28.1	29.6	30.2	28.9	24.9	18.6	17.9
CRMS 3985	9.1	10.7	12.7	18.1	22.8	27.5	28.7	29.1	27.9	23.0	15.4	15.0
CRMS 0258	8.4	10.3	12.3	17.5	22.3	26.4	27.5	28.6	27.4	22.5	14.5	13.6
CRMS 0224	8.9	9.4	11.8	17.0	22.1	27.2	28.2	28.8	27.6	23.0	15.5	14.1
CRMS 0163	8.5	8.5	11.1	16.2	21.4	26.8	28.3	28.5	27.3	22.0	15.4	11.7
CRMS 0162	8.6	9.0	11.5	16.5	21.4	26.2	28.5	28.4	27.8	23.5	16.9	11.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.7	-5.2	-5.1	-3.0	-1.5	-0.1	-0.9	-1.1	-2.4	0.9	-5.6
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.5	-0.3	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.0	0.3	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.8	-6.5	-5.1	-4.7	-2.8	-1.3	-1.1	-1.3	-1.0	-1.0	0.1	-3.9
USGS7380251 Barataria Bay North of Grand Isle	-1.8	-5.1	-4.6	-3.6	-2.2	-0.3	-0.2	-0.2	-0.2	-0.3	-0.5	-2.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.9	-6.7	-5.8	-4.5	-2.8	-0.5	-0.3	-0.3	-0.3	-0.5	-0.4	-3.9
USGS 07380335 - Little Lake Near Cutoff	-2.1	-5.8	-5.5	-3.8	-2.5	-0.3	-0.1	-0.1	-0.1	-0.1	-0.3	-2.9
USGS073802516 Barataria Pass at Grand Isle	-1.1	-3.0	-2.7	-1.2	-0.6	-0.1	0.0	0.0	0.0	0.0	-0.1	-1.0
HWQ14 - Lake Washington	-0.3	-1.6	-1.6	-0.8	-0.5	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.5
HWQ16 - Bayou Grand Liard	-0.6	-1.4	-1.3	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5
CRMS 3985	-1.1	-2.9	-3.5	-2.0	-1.3	-0.1	-0.2	-0.1	0.0	0.0	-0.1	-1.3
CRMS 0258	-0.7	-3.0	-2.4	-1.6	-0.5	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-1.3
CRMS 0224	-1.5	-5.1	-4.5	-3.1	-1.8	-0.3	-0.2	-0.1	-0.2	-0.2	-0.1	-2.5
CRMS 0163	0.1	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	-0.1

Figure WQ TEMP 142 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.5	15.4	19.6	23.6	27.4	28.1	28.6	27.5	22.6	13.9	15.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.8	20.4	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	12.6	15.1	19.5	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.6	23.5	27.3	28.1	28.5	27.4	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.7	22.9	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.8	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.8	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.3	17.3	20.4	24.6	28.1	29.6	30.1	28.9	24.9	18.7	18.5
CRMS 3985	10.2	13.6	16.0	20.1	24.2	27.7	28.5	28.8	27.6	22.8	15.2	15.9
CRMS 0258	9.3	13.4	15.4	19.2	22.7	27.4	28.1	28.6	27.4	22.6	14.1	15.1
CRMS 0224	10.4	14.6	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	9.2	9.2	11.8	17.1	21.8	26.7	28.2	28.6	27.6	21.7	15.3	12.0
CRMS 0162	10.4	9.4	13.0	17.6	21.9	26.4	28.4	28.8	27.8	23.0	16.1	12.1

V3PR6 HYST - cy 3 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	7.2	10.6	15.3	20.5	25.6	27.8	27.7	26.5	19.9	14.8	10.8
CRMS0276 - Just east of Wilkinson Canal	12.1	14.4	16.8	20.4	24.5	28.3	29.2	29.8	28.4	24.0	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.7	12.7	15.1	19.5	23.9	28.1	29.1	29.6	28.3	23.4	16.1	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.8	9.2	12.9	17.8	21.9	26.0	26.9	27.3	26.5	21.5	14.0	13.8
USGS7380251 Barataria Bay North of Grand Isle	9.2	11.0	14.2	18.9	22.9	27.5	28.5	28.8	27.6	22.6	14.6	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.5	14.8	19.4	22.7	27.5	28.6	29.1	27.8	23.1	15.8	16.1
USGS 07380335 - Little Lake Near Cutoff	11.6	12.2	16.0	20.2	23.6	28.2	29.3	29.8	28.4	23.9	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	11.3	13.7	16.7	20.6	24.6	28.2	29.2	29.7	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.0	16.7	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	14.6	17.2	20.3	24.6	28.1	29.6	30.1	28.9	24.8	18.5	18.4
CRMS 3985	10.1	12.6	15.5	19.9	23.6	27.7	28.8	29.1	27.9	23.0	15.3	16.1
CRMS 0258	9.2	12.1	15.1	18.9	22.6	27.4	28.1	28.6	27.4	22.5	13.8	14.8
CRMS 0224	10.1	11.9	15.6	19.6	23.3	27.4	28.2	28.8	27.6	22.9	15.4	16.3
CRMS 0163	9.1	9.2	11.8	17.1	21.9	26.7	28.2	28.6	27.5	21.6	15.3	12.0
CRMS 0162	10.3	9.4	13.1	17.5	21.9	26.3	28.4	28.8	27.8	22.7	16.1	11.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-6.3	-4.8	-4.4	-3.1	-1.8	-0.3	-0.9	-1.0	-2.7	0.9	-4.8
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.0	-4.5	-2.4	-1.8	-1.6	-1.3	-1.2	-1.2	-1.0	-1.1	0.0	-1.8
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-2.6	-1.7	-0.9	-1.1	-0.1	-0.1	-0.1	-0.2	-0.3	-0.5	-0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.0	-4.2	-1.9	-1.0	-1.6	-0.3	-0.3	-0.4	-0.3	-0.5	-0.5	-0.7
USGS 07380335 - Little Lake Near Cutoff	-0.5	-2.9	-1.2	-0.6	-1.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.3	-0.3
USGS073802516 Barataria Pass at Grand Isle	-0.2	-1.5	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.6	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.2	-0.7	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	-1.0	-0.5	-0.1	-0.6	-0.1	0.4	0.3	0.2	0.1	0.1	0.2
CRMS 0258	-0.1	-1.4	-0.3	-0.3	-0.2	0.0	-0.1	0.0	0.0	-0.1	-0.3	-0.3
CRMS 0224	-0.3	-2.6	-0.8	-0.5	-0.6	-0.2	-0.1	-0.1	-0.2	-0.2	-0.2	-0.3
CRMS 0163	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0
CRMS 0162	-0.1	0.0	0.1	-0.1	0.0	-0.2	0.0	0.0	0.0	-0.3	0.0	-0.1

Figure WQ TEMP 143 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.5	15.2	19.6	23.6	27.4	28.1	28.5	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	11.9	13.6	16.2	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.3	14.5	18.9	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.8	19.8	23.9	27.6	28.6	28.9	27.7	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.8	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	11.9	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.3	14.3	16.6	20.2	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.1	13.6	16.2	20.0	24.1	27.6	28.7	29.0	28.0	23.1	15.5	16.4
CRMS 0258	9.0	13.3	14.7	19.1	22.7	26.0	26.7	27.1	27.1	22.6	14.6	15.5
CRMS 0224	10.4	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.0	8.0	11.4	16.3	21.6	26.6	28.4	28.5	27.2	21.7	15.5	12.4
CRMS 0162	7.9	8.6	12.2	16.8	21.6	26.2	28.5	28.2	27.5	22.8	17.1	13.4

V3PR6 HYST - cy 3 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.5	20.6	26.1	28.7	28.0	26.4	19.9	15.0	11.0
CRMS0276 - Just east of Wilkinson Canal	10.8	13.2	16.2	20.1	24.4	28.2	29.2	29.7	28.4	24.0	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.3	11.7	14.8	19.1	23.8	28.0	29.1	29.5	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.1	10.5	15.2	21.1	26.1	28.2	27.5	26.5	21.5	14.0	13.8
USGS7380251 Barataria Bay North of Grand Isle	7.3	8.3	11.6	16.6	22.0	26.7	28.3	28.5	27.5	22.6	14.7	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.9	7.9	11.2	16.2	21.8	26.5	28.5	28.7	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	8.2	8.9	12.4	17.4	22.7	27.1	28.8	29.4	28.5	24.0	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	9.5	11.8	15.1	19.8	24.4	28.0	29.1	29.6	28.4	23.8	16.4	17.2
HWQ14 - Lake Washington	10.3	12.6	15.8	20.0	24.5	28.1	29.2	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	12.5	12.7	15.7	19.8	24.5	28.2	29.5	30.1	28.8	24.9	18.7	18.5
CRMS 3985	8.3	10.5	13.3	18.4	23.1	26.9	28.1	28.6	27.9	23.0	15.4	16.4
CRMS 0258	7.6	9.9	12.9	17.9	22.5	26.3	27.5	27.2	27.0	22.5	14.5	15.4
CRMS 0224	7.7	9.0	12.6	17.6	22.5	26.7	28.1	28.6	27.6	23.0	15.5	16.3
CRMS 0163	8.3	8.2	11.5	16.5	21.7	26.7	28.4	28.5	27.2	21.6	15.5	12.3
CRMS 0162	8.1	8.7	12.3	16.8	21.6	26.2	28.5	28.1	27.5	22.6	17.1	13.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-6.7	-5.2	-5.1	-3.0	-1.4	0.6	-0.5	-1.2	-2.7	0.8	-4.7
CRMS0276 - Just east of Wilkinson Canal	-1.1	-0.4	0.0	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.4	0.3	0.2	0.1	0.1	0.0	0.0	0.0	-0.1	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.5	-6.6	-4.8	-4.4	-2.5	-1.2	0.1	-1.1	-0.9	-1.1	0.0	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-2.4	-5.3	-4.2	-3.2	-1.9	-0.9	-0.2	-0.4	-0.2	-0.3	-0.5	-0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.3	-6.9	-5.6	-4.2	-2.5	-1.4	-0.4	-0.7	-0.3	-0.5	-0.5	-0.7
USGS 07380335 - Little Lake Near Cutoff	-3.7	-6.1	-4.9	-3.3	-2.1	-1.2	-0.6	-0.5	0.0	-0.1	-0.3	-0.3
USGS073802516 Barataria Pass at Grand Isle	-2.1	-3.4	-2.1	-1.0	-0.4	-0.2	-0.1	-0.2	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.5	-2.0	-1.1	-0.6	-0.3	-0.2	-0.2	-0.1	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-1.8	-1.6	-0.9	-0.4	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-1.8	-3.2	-2.9	-1.6	-1.0	-0.7	-0.6	-0.5	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-1.3	-3.4	-1.8	-1.2	-0.2	0.3	0.7	0.1	-0.1	-0.1	-0.1	-0.2
CRMS 0224	-2.7	-5.5	-3.7	-2.6	-1.4	-0.8	-0.3	-0.4	-0.2	-0.2	-0.2	-0.3
CRMS 0163	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.1	0.0	-0.1	0.0	-0.1
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.1	-0.3

Figure WQ TEMP 144 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.2	19.6	23.7	27.5	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.4	20.1	24.3	28.3	29.3	29.7	28.4	24.0	17.1	17.0
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.5	18.8	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.8	19.8	24.0	27.6	28.6	28.9	27.8	22.9	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.8	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.3	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.3	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.9	15.8	16.8	20.2	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.2	13.6	16.0	20.0	24.1	27.6	28.7	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.4	14.1	14.7	19.1	22.8	26.1	26.8	27.4	27.4	22.6	14.6	14.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.5
CRMS 0163	9.1	9.8	11.3	16.2	21.2	26.4	28.4	28.5	27.2	22.0	15.4	10.9
CRMS 0162	9.9	11.7	12.0	16.6	21.3	26.1	28.5	28.2	27.6	23.5	16.9	11.0

V3PR6 HYST - cy 3 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	8.0	10.1	14.6	20.7	26.1	28.8	28.0	26.4	20.1	15.0	9.1
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.2	20.1	24.2	28.1	29.2	29.7	28.4	24.0	17.1	16.3
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.7	19.0	23.3	27.8	29.1	29.5	28.2	23.5	16.2	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	7.8	11.6	10.9	15.0	20.9	26.1	28.3	27.5	26.6	21.5	14.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	9.3	13.2	11.9	16.4	21.7	26.5	28.4	28.7	27.6	22.6	14.7	11.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.1	11.5	16.0	21.5	26.4	28.6	29.1	27.8	23.1	15.7	10.4
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	12.7	17.2	22.2	26.9	28.8	29.8	28.4	24.0	16.5	11.7
USGS073802516 Barataria Pass at Grand Isle	11.4	15.1	15.4	19.8	24.2	27.9	29.1	29.7	28.3	23.8	16.4	14.7
HWQ14 - Lake Washington	10.7	14.5	16.0	20.0	24.3	28.0	29.2	29.7	28.4	23.7	15.8	15.7
HWQ16 - Bayou Grand Liard	14.8	15.7	16.1	19.8	24.2	28.1	29.5	30.2	28.9	24.9	18.7	16.4
CRMS 3985	10.1	13.6	13.3	18.2	22.8	26.9	28.2	28.9	27.9	23.0	15.4	12.9
CRMS 0258	9.2	14.0	13.1	17.7	22.3	26.5	27.5	27.3	27.4	22.5	14.4	12.3
CRMS 0224	10.2	14.3	12.9	17.3	22.1	26.6	28.1	28.8	27.6	23.0	15.5	11.9
CRMS 0163	9.1	9.7	11.3	16.4	21.3	26.5	28.4	28.5	27.2	21.9	15.4	11.1
CRMS 0162	9.9	11.4	12.0	16.7	21.2	26.1	28.5	28.2	27.6	23.4	16.9	11.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-5.6	-5.1	-5.0	-3.0	-1.4	0.7	-0.6	-1.1	-2.4	0.9	-6.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	-0.2	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.7
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.0	-2.1	-4.5	-4.7	-2.8	-1.3	0.1	-1.1	-0.9	-1.0	0.0	-5.9
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-0.5	-3.9	-3.4	-2.2	-1.0	-0.2	-0.2	-0.2	-0.3	-0.5	-4.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.7	-0.6	-5.1	-4.4	-2.9	-1.5	-0.4	-0.4	-0.3	-0.5	-0.5	-6.5
USGS 07380335 - Little Lake Near Cutoff	-0.4	-0.2	-4.5	-3.6	-2.6	-1.4	-0.5	-0.1	-0.1	-0.1	-0.3	-5.8
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.7	-1.1	-0.6	-0.3	-0.1	0.0	0.0	0.0	-0.1	-2.6
HWQ14 - Lake Washington	-0.1	-0.1	-0.9	-0.7	-0.5	-0.3	-0.2	0.0	0.0	0.0	-0.1	-1.3
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.8	-0.4	-0.2	0.0	-0.1	0.0	0.0	0.0	-0.1	-1.6
CRMS 3985	-0.1	0.0	-2.8	-1.8	-1.3	-0.7	-0.5	-0.2	-0.1	-0.1	-0.1	-3.3
CRMS 0258	-0.1	-0.2	-1.6	-1.4	-0.5	0.3	0.8	-0.1	0.0	-0.1	-0.1	-2.5
CRMS 0224	-0.3	-0.3	-3.4	-2.9	-1.8	-1.0	-0.3	-0.2	-0.2	-0.2	-0.2	-4.6
CRMS 0163	-0.1	-0.1	0.0	0.2	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.2
CRMS 0162	-0.1	-0.2	0.0	0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.1

Figure WQ TEMP 145 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.4	15.2	19.6	23.6	27.4	28.2	28.6	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.6	20.0	24.4	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.9	14.9	18.6	23.6	27.8	29.1	29.6	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.3	19.7	23.6	27.4	28.2	28.5	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.3	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.6	14.8	17.0	20.1	24.5	28.2	29.6	30.2	28.9	24.9	18.7	18.6
CRMS 3985	10.1	13.5	16.2	20.0	24.1	27.6	28.8	29.2	28.0	23.1	15.5	16.4
CRMS 0258	9.2	13.3	14.6	19.1	22.7	26.1	27.8	28.6	27.4	22.6	14.6	15.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	8.7	8.5	11.6	16.0	21.5	26.5	28.3	28.6	27.4	21.6	15.4	12.2
CRMS 0162	8.5	9.1	12.7	16.4	21.5	26.1	28.5	28.6	27.8	22.6	16.3	12.8

V3PR7 HYST - cy 3 - 2002 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.4	14.5	20.6	26.1	28.3	27.8	26.6	20.0	14.9	10.4
CRMS0276 - Just east of Wilkinson Canal	11.5	13.6	16.8	19.9	24.3	28.1	29.2	29.7	28.4	24.0	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.5	12.3	15.1	18.9	23.7	27.9	29.2	29.6	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	7.4	12.0	15.0	20.9	26.1	27.1	27.2	26.5	21.4	14.2	12.6
USGS7380251 Barataria Bay North of Grand Isle	8.9	9.1	13.5	16.3	21.9	26.6	28.4	28.8	27.6	22.6	14.7	14.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	8.3	13.5	15.9	21.5	26.4	28.6	29.1	27.8	23.1	15.8	14.9
USGS 07380335 - Little Lake Near Cutoff	10.5	9.8	14.8	17.0	22.4	27.0	29.3	29.9	28.4	24.0	16.5	16.3
USGS073802516 Barataria Pass at Grand Isle	10.6	12.8	16.2	19.7	24.3	28.0	29.2	29.7	28.3	23.8	16.4	17.0
HWQ14 - Lake Washington	10.6	13.2	16.4	19.9	24.4	28.0	29.4	29.7	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	13.5	13.5	16.8	19.6	24.3	28.2	29.6	30.2	28.9	24.8	18.6	18.4
CRMS 3985	9.7	11.3	14.9	18.1	22.9	26.9	28.6	29.1	27.9	23.0	15.4	16.1
CRMS 0258	8.6	10.6	13.9	17.5	22.4	26.4	27.8	28.6	27.4	22.5	14.4	15.1
CRMS 0224	9.3	9.8	14.7	17.0	22.3	26.6	28.2	28.8	27.6	23.0	15.5	15.5
CRMS 0163	8.8	8.7	11.6	16.1	21.6	26.6	28.4	28.6	27.4	21.5	15.4	12.2
CRMS 0162	8.6	9.1	12.6	16.4	21.5	26.1	28.5	28.6	27.7	22.5	16.3	12.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.7	-4.8	-5.1	-3.0	-1.3	0.1	-0.8	-1.0	-2.6	0.7	-5.3
CRMS0276 - Just east of Wilkinson Canal	-0.5	-0.5	0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.4	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.5	-6.2	-3.3	-4.7	-2.7	-1.3	-1.0	-1.3	-1.0	-1.1	0.2	-3.1
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-4.5	-2.4	-3.5	-2.1	-1.0	-0.2	-0.2	-0.2	-0.3	-0.5	-1.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.8	-6.5	-3.2	-4.5	-2.8	-1.5	-0.3	-0.3	-0.3	-0.5	-0.4	-2.1
USGS 07380335 - Little Lake Near Cutoff	-1.4	-5.4	-2.5	-3.8	-2.4	-1.3	-0.1	-0.1	-0.1	-0.1	-0.3	-1.3
USGS073802516 Barataria Pass at Grand Isle	-0.9	-2.5	-1.0	-1.2	-0.5	-0.3	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ14 - Lake Washington	-0.2	-1.4	-0.4	-0.7	-0.4	-0.3	0.0	0.0	0.0	0.0	-0.1	-0.2
HWQ16 - Bayou Grand Liard	-1.1	-1.3	-0.2	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.4	-2.2	-1.3	-1.9	-1.2	-0.7	-0.2	-0.1	0.0	-0.1	-0.1	-0.3
CRMS 0258	-0.6	-2.7	-0.7	-1.6	-0.4	0.3	0.0	0.0	0.0	-0.1	-0.1	-0.7
CRMS 0224	-1.1	-4.7	-1.7	-3.2	-1.6	-1.0	-0.2	-0.1	-0.2	-0.2	-0.2	-1.1
CRMS 0163	0.1	0.2	0.0	0.1	0.1	0.1	0.1	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.1	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.3

Figure WQ TEMP 146 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.4	15.3	19.6	23.7	27.4	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.0	13.9	16.0	20.0	24.4	28.3	29.2	29.7	28.4	24.0	17.1	17.5
Barataria Waterway at Lafitte (USACE82875)	10.4	11.7	13.9	18.6	23.4	28.0	29.1	29.5	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.1	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.8	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.7	14.7	16.2	20.1	24.4	28.1	29.6	30.2	28.9	24.9	18.8	18.4
CRMS 3985	10.2	13.6	16.2	20.0	24.1	27.6	28.9	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.0	13.3	14.8	19.1	22.8	26.5	27.6	28.6	27.4	22.6	14.6	14.9
CRMS 0224	10.4	14.5	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.4	8.3	11.0	16.0	21.4	26.7	28.3	28.5	27.4	22.2	15.4	11.7
CRMS 0162	8.6	8.9	11.4	16.5	21.4	26.2	28.4	28.4	27.7	23.5	16.8	11.8

V3PR7 HYST - cy 3 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	25.9	28.0	27.7	26.4	20.1	14.9	9.9
CRMS0276 - Just east of Wilkinson Canal	11.8	13.5	15.7	20.0	24.2	28.3	29.2	29.7	28.4	24.0	17.1	17.1
Barataria Waterway at Lafitte (USACE82875)	10.5	12.1	14.3	18.9	23.5	28.1	29.1	29.6	28.2	23.5	16.2	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.0	7.3	10.4	15.0	20.9	26.0	27.0	27.3	26.5	21.5	14.2	11.5
USGS7380251 Barataria Bay North of Grand Isle	8.1	8.6	11.3	16.3	21.8	27.3	28.4	28.8	27.6	22.6	14.8	13.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.3	8.0	10.9	15.9	21.5	27.4	28.6	29.1	27.8	23.1	15.8	13.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.2	11.7	16.9	22.2	28.0	29.3	29.9	28.4	24.0	16.5	14.6
USGS073802516 Barataria Pass at Grand Isle	10.4	12.2	14.4	19.7	24.2	28.2	29.2	29.7	28.3	23.8	16.4	16.3
HWQ14 - Lake Washington	10.5	13.0	15.4	19.9	24.3	28.3	29.4	29.7	28.4	23.7	15.8	16.5
HWQ16 - Bayou Grand Liard	14.1	13.2	14.9	19.6	24.2	28.1	29.6	30.2	28.9	24.9	18.6	17.8
CRMS 3985	9.1	10.8	12.8	18.1	22.9	27.5	28.7	29.1	27.9	23.0	15.4	15.0
CRMS 0258	8.4	10.2	12.3	17.5	22.3	26.4	27.5	28.6	27.4	22.5	14.5	13.5
CRMS 0224	8.9	9.3	11.8	16.9	22.1	27.2	28.2	28.8	27.6	23.0	15.5	14.0
CRMS 0163	8.5	8.5	11.1	16.1	21.4	26.8	28.3	28.6	27.4	22.0	15.4	11.7
CRMS 0162	8.6	8.9	11.5	16.5	21.4	26.2	28.5	28.4	27.8	23.4	16.8	11.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.7	-5.2	-5.1	-3.0	-1.5	-0.2	-0.9	-1.1	-2.5	0.7	-5.6
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.5	-0.3	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.1	0.4	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.8	-6.4	-5.0	-4.7	-2.7	-1.3	-1.1	-1.3	-0.9	-1.1	0.1	-4.1
USGS7380251 Barataria Bay North of Grand Isle	-1.7	-5.0	-4.6	-3.5	-2.2	-0.3	-0.2	-0.2	-0.2	-0.3	-0.5	-2.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.9	-6.7	-5.8	-4.5	-2.9	-0.5	-0.3	-0.3	-0.3	-0.5	-0.4	-3.9
USGS 07380335 - Little Lake Near Cutoff	-2.1	-5.8	-5.5	-3.8	-2.6	-0.3	-0.1	-0.1	-0.1	-0.1	-0.3	-2.9
USGS073802516 Barataria Pass at Grand Isle	-1.1	-3.0	-2.7	-1.2	-0.6	-0.1	0.0	0.0	0.0	0.0	-0.1	-1.0
HWQ14 - Lake Washington	-0.3	-1.6	-1.5	-0.8	-0.4	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.5
HWQ16 - Bayou Grand Liard	-0.6	-1.4	-1.3	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.6
CRMS 3985	-1.1	-2.8	-3.4	-1.9	-1.2	-0.1	-0.2	-0.1	0.0	-0.1	-0.1	-1.3
CRMS 0258	-0.7	-3.0	-2.5	-1.6	-0.5	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-1.3
CRMS 0224	-1.5	-5.2	-4.6	-3.2	-1.8	-0.3	-0.2	-0.1	-0.2	-0.2	-0.1	-2.6
CRMS 0163	0.1	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	-0.2	0.0	0.1
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1

Figure WQ TEMP 147 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.5	15.4	19.6	23.6	27.4	28.1	28.6	27.5	22.6	13.9	15.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.8	20.4	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	12.6	15.1	19.5	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.6	23.5	27.3	28.1	28.5	27.4	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.7	22.9	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.8	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.8	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.3	17.3	20.4	24.6	28.1	29.6	30.1	28.9	24.9	18.7	18.5
CRMS 3985	10.2	13.6	16.0	20.1	24.2	27.7	28.5	28.8	27.6	22.8	15.2	15.9
CRMS 0258	9.3	13.4	15.4	19.2	22.7	27.4	28.1	28.6	27.4	22.6	14.1	15.1
CRMS 0224	10.4	14.6	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	9.2	9.2	11.8	17.1	21.8	26.7	28.2	28.6	27.6	21.7	15.3	12.0
CRMS 0162	10.4	9.4	13.0	17.6	21.9	26.4	28.4	28.8	27.8	23.0	16.1	12.1

V3PR7 HYST - cy 3 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	7.2	10.6	15.3	20.5	25.6	27.8	27.6	26.5	19.9	14.9	10.8
CRMS0276 - Just east of Wilkinson Canal	12.1	14.4	16.8	20.4	24.5	28.3	29.2	29.7	28.4	24.0	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.7	12.7	15.2	19.5	23.9	28.1	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	7.7	9.1	12.7	17.7	21.7	26.0	26.9	27.2	26.5	21.4	14.1	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.3	11.0	14.3	19.0	22.9	27.5	28.5	28.8	27.6	22.6	14.6	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.6	14.8	19.4	22.7	27.5	28.6	29.1	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	11.6	12.3	16.0	20.2	23.6	28.2	29.3	29.8	28.4	24.0	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	11.3	13.7	16.7	20.6	24.6	28.2	29.2	29.7	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	14.0	16.7	20.5	24.7	28.3	29.4	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	14.8	14.6	17.2	20.3	24.6	28.1	29.6	30.2	28.9	24.9	18.5	18.4
CRMS 3985	10.1	12.6	15.6	19.9	23.6	27.7	28.8	29.1	27.8	23.0	15.3	16.1
CRMS 0258	9.2	12.0	15.1	18.9	22.6	27.4	28.1	28.6	27.4	22.5	13.8	14.8
CRMS 0224	10.1	11.8	15.6	19.6	23.2	27.4	28.2	28.8	27.6	22.9	15.4	16.3
CRMS 0163	9.1	9.2	11.7	17.1	21.9	26.7	28.2	28.6	27.5	21.6	15.3	12.0
CRMS 0162	10.2	9.4	13.0	17.6	21.9	26.4	28.4	28.8	27.8	22.9	16.1	11.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-6.2	-4.8	-4.3	-3.1	-1.8	-0.3	-0.9	-1.0	-2.7	0.9	-4.7
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-4.6	-2.6	-2.0	-1.8	-1.4	-1.2	-1.3	-0.9	-1.1	0.1	-2.0
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-2.6	-1.6	-0.8	-1.1	-0.1	-0.1	-0.2	-0.2	-0.3	-0.5	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.9	-4.2	-1.9	-1.0	-1.6	-0.3	-0.3	-0.3	-0.3	-0.5	-0.4	-0.7
USGS 07380335 - Little Lake Near Cutoff	-0.5	-2.9	-1.2	-0.6	-1.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.3	-0.3
USGS073802516 Barataria Pass at Grand Isle	-0.2	-1.5	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.6	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.2	-0.7	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	-0.9	-0.5	-0.2	-0.5	-0.1	0.3	0.3	0.2	0.1	0.1	0.2
CRMS 0258	-0.1	-1.4	-0.3	-0.3	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.3	-0.3
CRMS 0224	-0.3	-2.7	-0.8	-0.5	-0.7	-0.2	-0.1	-0.1	-0.2	-0.2	-0.2	-0.3
CRMS 0163	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0
CRMS 0162	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.2

Figure WQ TEMP 148 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.5	15.2	19.6	23.6	27.4	28.1	28.5	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	11.9	13.6	16.2	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.3	14.5	18.9	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.8	19.8	23.9	27.6	28.6	28.9	27.7	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.8	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	11.9	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.3	14.3	16.6	20.2	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.1	13.6	16.2	20.0	24.1	27.6	28.7	29.0	28.0	23.1	15.5	16.4
CRMS 0258	9.0	13.3	14.7	19.1	22.7	26.0	26.7	27.1	27.1	22.6	14.6	15.5
CRMS 0224	10.4	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.0	8.0	11.4	16.3	21.6	26.6	28.4	28.5	27.2	21.7	15.5	12.4
CRMS 0162	7.9	8.6	12.2	16.8	21.6	26.2	28.5	28.2	27.5	22.8	17.1	13.4

V3PR7 HYST - cy 3 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.5	20.6	26.1	28.7	28.0	26.3	20.0	15.1	11.1
CRMS0276 - Just east of Wilkinson Canal	10.8	13.2	16.2	20.1	24.4	28.2	29.2	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.3	11.7	14.9	19.2	23.8	28.0	29.2	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.1	10.6	15.3	21.1	26.1	28.2	27.5	26.6	21.4	14.2	13.5
USGS7380251 Barataria Bay North of Grand Isle	7.4	8.4	11.7	16.6	22.1	26.7	28.3	28.5	27.5	22.6	14.7	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.9	7.8	11.2	16.2	21.8	26.5	28.5	28.7	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	8.2	8.9	12.3	17.4	22.7	27.1	28.8	29.4	28.5	24.0	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	9.5	11.8	15.1	19.9	24.4	28.0	29.1	29.6	28.4	23.9	16.4	17.2
HWQ14 - Lake Washington	10.3	12.7	15.8	20.0	24.5	28.1	29.3	29.7	28.4	23.7	15.8	16.9
HWQ16 - Bayou Grand Liard	12.5	12.7	15.7	19.8	24.5	28.2	29.5	30.1	28.9	24.9	18.7	18.5
CRMS 3985	8.3	10.5	13.4	18.4	23.1	27.0	28.1	28.6	27.9	23.0	15.4	16.3
CRMS 0258	7.6	9.9	12.9	17.8	22.5	26.4	27.5	27.3	27.0	22.5	14.5	15.4
CRMS 0224	7.7	8.9	12.6	17.5	22.5	26.7	28.1	28.6	27.6	23.0	15.5	16.3
CRMS 0163	8.3	8.2	11.5	16.5	21.7	26.6	28.4	28.5	27.2	21.6	15.5	12.3
CRMS 0162	8.1	8.7	12.2	16.8	21.6	26.1	28.5	28.2	27.5	22.6	17.1	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-6.7	-5.2	-5.1	-3.0	-1.4	0.6	-0.5	-1.2	-2.6	0.9	-4.6
CRMS0276 - Just east of Wilkinson Canal	-1.1	-0.4	0.0	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.4	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.5	-6.6	-4.8	-4.4	-2.5	-1.3	0.0	-1.0	-0.8	-1.1	0.2	-2.1
USGS7380251 Barataria Bay North of Grand Isle	-2.4	-5.3	-4.2	-3.2	-1.9	-0.9	-0.2	-0.4	-0.2	-0.3	-0.5	-0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.2	-6.9	-5.6	-4.2	-2.6	-1.4	-0.4	-0.7	-0.3	-0.5	-0.5	-0.7
USGS 07380335 - Little Lake Near Cutoff	-3.7	-6.2	-4.9	-3.4	-2.1	-1.2	-0.6	-0.5	0.0	-0.1	-0.3	-0.3
USGS073802516 Barataria Pass at Grand Isle	-2.1	-3.4	-2.1	-1.0	-0.4	-0.2	-0.1	-0.2	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.5	-2.0	-1.1	-0.6	-0.3	-0.2	-0.2	-0.1	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-1.8	-1.6	-0.9	-0.4	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-1.8	-3.1	-2.9	-1.6	-1.0	-0.6	-0.6	-0.5	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-1.4	-3.4	-1.8	-1.2	-0.2	0.3	0.8	0.1	-0.1	-0.1	-0.1	-0.2
CRMS 0224	-2.7	-5.6	-3.8	-2.7	-1.4	-0.9	-0.3	-0.4	-0.2	-0.2	-0.2	-0.3
CRMS 0163	0.3	0.2	0.1	0.2	0.1	0.1	0.0	0.0	0.0	-0.1	0.0	-0.1
CRMS 0162	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3	0.0	-0.4

Figure WQ TEMP 149 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.2	19.6	23.7	27.5	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.4	20.1	24.3	28.3	29.3	29.7	28.4	24.0	17.1	17.0
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.5	18.8	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.8	19.8	24.0	27.6	28.6	28.9	27.8	22.9	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.8	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.3	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.3	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.9	15.8	16.8	20.2	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.2	13.6	16.0	20.0	24.1	27.6	28.7	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.4	14.1	14.7	19.1	22.8	26.1	26.8	27.4	27.4	22.6	14.6	14.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.5
CRMS 0163	9.1	9.8	11.3	16.2	21.2	26.4	28.4	28.5	27.2	22.0	15.4	10.9
CRMS 0162	9.9	11.7	12.0	16.6	21.3	26.1	28.5	28.2	27.6	23.5	16.9	11.0

V3PR7 HYST - cy 3 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	8.1	10.2	14.6	20.7	26.1	28.7	28.0	26.4	20.1	14.9	9.1
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.2	20.1	24.2	28.1	29.2	29.7	28.4	24.0	17.1	16.3
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.7	19.1	23.3	27.8	29.2	29.5	28.2	23.5	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	11.4	10.8	15.1	20.9	26.2	28.2	27.4	26.6	21.5	14.2	9.7
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.3	11.9	16.4	21.8	26.6	28.4	28.7	27.6	22.6	14.8	11.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.2	11.5	16.0	21.5	26.4	28.6	29.1	27.8	23.1	15.7	10.4
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	12.7	17.2	22.2	26.9	28.8	29.8	28.4	24.0	16.5	11.7
USGS073802516 Barataria Pass at Grand Isle	11.4	15.1	15.4	19.8	24.2	27.9	29.1	29.7	28.3	23.8	16.4	14.7
HWQ14 - Lake Washington	10.7	14.5	16.0	20.0	24.3	28.0	29.2	29.7	28.4	23.7	15.8	15.7
HWQ16 - Bayou Grand Liard	14.8	15.7	16.1	19.8	24.2	28.1	29.5	30.2	28.9	24.9	18.6	16.4
CRMS 3985	10.1	13.6	13.3	18.3	22.8	26.9	28.2	28.9	27.9	23.0	15.4	13.0
CRMS 0258	9.2	13.9	13.1	17.7	22.3	26.5	27.6	27.3	27.4	22.5	14.4	12.3
CRMS 0224	10.2	14.3	12.8	17.2	22.1	26.6	28.1	28.8	27.6	23.0	15.4	11.8
CRMS 0163	9.1	9.7	11.4	16.4	21.3	26.5	28.4	28.5	27.2	21.9	15.4	11.1
CRMS 0162	9.9	11.3	12.1	16.7	21.3	26.1	28.5	28.2	27.5	23.4	16.9	11.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-5.6	-5.0	-5.0	-3.0	-1.4	0.6	-0.6	-1.2	-2.5	0.8	-6.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	-0.2	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.8
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.2	-2.3	-4.6	-4.6	-2.7	-1.3	0.0	-1.1	-0.8	-1.1	0.2	-5.9
USGS7380251 Barataria Bay North of Grand Isle	-0.5	-0.4	-3.9	-3.4	-2.2	-1.0	-0.2	-0.2	-0.2	-0.3	-0.5	-4.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.7	-0.6	-5.1	-4.4	-2.9	-1.5	-0.4	-0.4	-0.3	-0.5	-0.5	-6.5
USGS 07380335 - Little Lake Near Cutoff	-0.4	-0.2	-4.5	-3.6	-2.6	-1.4	-0.5	-0.1	-0.1	-0.1	-0.3	-5.8
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.8	-1.1	-0.6	-0.3	-0.1	0.0	0.0	0.0	-0.1	-2.6
HWQ14 - Lake Washington	-0.1	-0.1	-0.9	-0.6	-0.4	-0.3	-0.2	0.0	0.0	0.0	-0.1	-1.3
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.8	-0.4	-0.2	0.0	-0.1	0.0	0.0	0.0	-0.1	-1.6
CRMS 3985	-0.1	0.0	-2.7	-1.8	-1.2	-0.7	-0.5	-0.2	-0.1	-0.1	-0.1	-3.2
CRMS 0258	-0.1	-0.2	-1.6	-1.4	-0.5	0.3	0.8	-0.1	0.0	-0.1	-0.2	-2.5
CRMS 0224	-0.3	-0.3	-3.5	-2.9	-1.8	-1.0	-0.3	-0.2	-0.2	-0.2	-0.2	-4.7
CRMS 0163	0.0	-0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.2
CRMS 0162	-0.1	-0.4	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 150 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.4	15.2	19.6	23.6	27.4	28.2	28.6	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.6	20.0	24.4	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.9	14.9	18.6	23.6	27.8	29.1	29.6	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.3	19.7	23.6	27.4	28.2	28.5	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.3	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.6	14.8	17.0	20.1	24.5	28.2	29.6	30.2	28.9	24.9	18.7	18.6
CRMS 3985	10.1	13.5	16.2	20.0	24.1	27.6	28.8	29.2	28.0	23.1	15.5	16.4
CRMS 0258	9.2	13.3	14.6	19.1	22.7	26.1	27.8	28.6	27.4	22.6	14.6	15.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	8.7	8.5	11.6	16.0	21.5	26.5	28.3	28.6	27.4	21.6	15.4	12.2
CRMS 0162	8.5	9.1	12.7	16.4	21.5	26.1	28.5	28.6	27.8	22.6	16.3	12.8

V3PR8 HYST - cy 3 - 2002 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.8	10.4	14.6	20.6	26.1	28.3	27.8	26.5	19.9	14.8	10.6
CRMS0276 - Just east of Wilkinson Canal	11.6	13.7	16.8	20.0	24.3	28.2	29.3	29.8	28.5	24.0	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	11.0	14.0	16.4	20.2	24.3	28.3	29.2	29.7	28.3	23.7	16.3	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.3	7.4	12.0	15.0	20.9	26.1	27.1	27.3	26.5	21.4	14.1	12.5
USGS7380251 Barataria Bay North of Grand Isle	8.8	9.1	13.5	16.3	21.9	26.6	28.4	28.8	27.6	22.6	14.8	14.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.3	8.2	13.4	15.9	21.5	26.4	28.6	29.1	27.8	23.1	15.7	14.8
USGS 07380335 - Little Lake Near Cutoff	10.5	9.8	14.7	17.0	22.3	26.9	29.2	29.9	28.4	23.9	16.5	16.3
USGS073802516 Barataria Pass at Grand Isle	10.6	12.8	16.2	19.7	24.3	28.0	29.2	29.7	28.3	23.8	16.4	17.0
HWQ14 - Lake Washington	10.5	12.9	16.3	19.7	24.2	27.9	29.4	29.7	28.3	23.7	15.8	16.7
HWQ16 - Bayou Grand Liard	13.5	13.5	16.8	19.6	24.3	28.2	29.6	30.2	28.9	24.8	18.6	18.4
CRMS 3985	9.7	11.4	15.0	18.2	22.9	26.9	28.6	29.1	27.9	23.0	15.4	16.1
CRMS 0258	8.6	10.4	13.9	17.4	22.3	26.4	27.8	28.6	27.4	22.5	14.5	15.0
CRMS 0224	9.3	9.7	14.6	16.9	22.2	26.6	28.2	28.9	27.6	22.9	15.5	15.4
CRMS 0163	8.8	8.9	11.6	16.2	21.6	26.5	28.3	28.5	27.3	21.5	15.3	12.2
CRMS 0162	8.6	9.2	12.6	16.4	21.5	26.1	28.5	28.6	27.8	22.5	16.4	12.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.6	-4.8	-5.1	-3.0	-1.3	0.1	-0.8	-1.0	-2.6	0.7	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.4	-0.4	0.2	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.5	2.1	1.5	1.6	0.7	0.5	0.1	0.1	0.1	0.3	0.1	1.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.5	-6.3	-3.3	-4.7	-2.7	-1.2	-1.0	-1.2	-0.9	-1.1	0.1	-3.2
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-4.5	-2.4	-3.5	-2.1	-1.0	-0.2	-0.2	-0.2	-0.4	-0.5	-1.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.9	-6.5	-3.3	-4.6	-2.8	-1.5	-0.4	-0.3	-0.3	-0.5	-0.5	-2.1
USGS 07380335 - Little Lake Near Cutoff	-1.5	-5.4	-2.6	-3.8	-2.5	-1.3	-0.1	-0.1	-0.1	-0.1	-0.3	-1.3
USGS073802516 Barataria Pass at Grand Isle	-0.9	-2.4	-1.0	-1.1	-0.5	-0.3	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ14 - Lake Washington	-0.3	-1.7	-0.6	-0.9	-0.5	-0.4	-0.1	0.0	0.0	-0.1	-0.2	-0.3
HWQ16 - Bayou Grand Liard	-1.1	-1.3	-0.2	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.4	-2.1	-1.2	-1.8	-1.2	-0.7	-0.2	-0.1	-0.1	0.0	-0.1	-0.3
CRMS 0258	-0.6	-2.9	-0.8	-1.7	-0.4	0.4	0.0	-0.1	0.0	-0.1	-0.1	-0.7
CRMS 0224	-1.1	-4.8	-1.7	-3.2	-1.7	-1.0	-0.2	-0.1	-0.2	-0.2	-0.2	-1.2
CRMS 0163	0.1	0.3	0.0	0.2	0.1	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	-0.2

Figure WQ TEMP 151 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.4	15.3	19.6	23.7	27.4	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.0	13.9	16.0	20.0	24.4	28.3	29.2	29.7	28.4	24.0	17.1	17.5
Barataria Waterway at Lafitte (USACE82875)	10.4	11.7	13.9	18.6	23.4	28.0	29.1	29.5	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.1	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.8	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.7	14.7	16.2	20.1	24.4	28.1	29.6	30.2	28.9	24.9	18.8	18.4
CRMS 3985	10.2	13.6	16.2	20.0	24.1	27.6	28.9	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.0	13.3	14.8	19.1	22.8	26.5	27.6	28.6	27.4	22.6	14.6	14.9
CRMS 0224	10.4	14.5	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.4	8.3	11.0	16.0	21.4	26.7	28.3	28.5	27.4	22.2	15.4	11.7
CRMS 0162	8.6	8.9	11.4	16.5	21.4	26.2	28.4	28.4	27.7	23.5	16.8	11.8

V3PR8 HYST - cy 3 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	25.9	27.9	27.7	26.5	20.1	14.9	9.9
CRMS0276 - Just east of Wilkinson Canal	11.9	13.6	15.6	20.1	24.2	28.3	29.2	29.8	28.5	24.0	17.2	17.2
Barataria Waterway at Lafitte (USACE82875)	11.0	13.9	16.1	20.2	24.2	28.3	29.2	29.7	28.3	23.8	16.3	16.6
USGS2928590900040000 Barataria Waterway South of Lafitte	7.0	7.2	10.4	15.0	20.9	26.0	27.0	27.3	26.5	21.5	14.1	11.4
USGS7380251 Barataria Bay North of Grand Isle	8.0	8.7	11.3	16.3	21.8	27.3	28.5	28.8	27.6	22.6	14.8	13.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.2	8.0	10.9	15.8	21.5	27.3	28.6	29.1	27.8	23.1	15.8	13.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.2	11.7	16.9	22.2	28.0	29.3	29.9	28.4	24.0	16.5	14.5
USGS073802516 Barataria Pass at Grand Isle	10.4	12.3	14.5	19.7	24.2	28.2	29.2	29.7	28.3	23.8	16.4	16.4
HWQ14 - Lake Washington	10.4	12.7	15.0	19.7	24.2	28.2	29.4	29.7	28.3	23.7	15.8	16.4
HWQ16 - Bayou Grand Liard	14.1	13.3	14.9	19.6	24.2	28.1	29.6	30.2	28.9	24.9	18.6	17.8
CRMS 3985	9.2	10.9	12.9	18.2	22.9	27.5	28.7	29.1	27.9	23.0	15.4	15.2
CRMS 0258	8.3	10.0	12.2	17.4	22.3	26.4	27.5	28.6	27.4	22.5	14.5	13.4
CRMS 0224	8.8	9.2	11.7	16.9	22.1	27.2	28.2	28.9	27.6	22.9	15.5	13.9
CRMS 0163	8.5	8.6	11.2	16.1	21.4	26.7	28.2	28.5	27.3	21.9	15.4	11.8
CRMS 0162	8.7	9.0	11.6	16.5	21.4	26.2	28.5	28.4	27.8	23.4	16.8	11.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.7	-5.2	-5.1	-3.0	-1.6	-0.2	-0.9	-1.1	-2.4	0.7	-5.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.3	-0.4	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.1	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.6	2.2	2.1	1.6	0.9	0.3	0.1	0.1	0.1	0.2	0.1	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.8	-6.4	-5.0	-4.7	-2.7	-1.4	-1.2	-1.3	-0.9	-1.1	0.1	-4.2
USGS7380251 Barataria Bay North of Grand Isle	-1.8	-5.0	-4.5	-3.5	-2.2	-0.3	-0.2	-0.2	-0.2	-0.4	-0.4	-2.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.0	-6.7	-5.8	-4.6	-2.9	-0.5	-0.3	-0.3	-0.3	-0.5	-0.5	-3.9
USGS 07380335 - Little Lake Near Cutoff	-2.1	-5.8	-5.5	-3.8	-2.6	-0.3	-0.1	-0.1	-0.1	-0.1	-0.3	-3.0
USGS073802516 Barataria Pass at Grand Isle	-1.2	-2.9	-2.6	-1.1	-0.6	-0.1	0.0	0.0	0.0	-0.1	-0.1	-1.0
HWQ14 - Lake Washington	-0.4	-1.9	-1.9	-1.0	-0.6	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.6
HWQ16 - Bayou Grand Liard	-0.6	-1.4	-1.3	-0.5	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.6
CRMS 3985	-1.0	-2.6	-3.3	-1.8	-1.2	-0.1	-0.2	-0.1	0.0	0.0	-0.1	-1.1
CRMS 0258	-0.7	-3.2	-2.6	-1.7	-0.5	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-1.4
CRMS 0224	-1.6	-5.3	-4.6	-3.3	-1.8	-0.3	-0.2	-0.1	-0.2	-0.2	-0.2	-2.6
CRMS 0163	0.1	0.3	0.2	0.1	0.0	-0.1	-0.1	0.0	-0.1	-0.2	0.0	0.1
CRMS 0162	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1

Figure WQ TEMP 152 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.5	15.4	19.6	23.6	27.4	28.1	28.6	27.5	22.6	13.9	15.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.8	20.4	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	12.6	15.1	19.5	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.6	23.5	27.3	28.1	28.5	27.4	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.7	22.9	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.8	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.8	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.3	17.3	20.4	24.6	28.1	29.6	30.1	28.9	24.9	18.7	18.5
CRMS 3985	10.2	13.6	16.0	20.1	24.2	27.7	28.5	28.8	27.6	22.8	15.2	15.9
CRMS 0258	9.3	13.4	15.4	19.2	22.7	27.4	28.1	28.6	27.4	22.6	14.1	15.1
CRMS 0224	10.4	14.6	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	9.2	9.2	11.8	17.1	21.8	26.7	28.2	28.6	27.6	21.7	15.3	12.0
CRMS 0162	10.4	9.4	13.0	17.6	21.9	26.4	28.4	28.8	27.8	23.0	16.1	12.1

V3PR8 HYST - cy 3 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	7.2	10.6	15.3	20.5	25.6	27.8	27.6	26.5	19.9	14.8	10.7
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.9	20.4	24.5	28.3	29.3	29.8	28.5	24.0	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	11.1	14.2	16.4	20.4	24.4	28.3	29.2	29.7	28.3	23.7	16.3	16.6
USGS2928590900040000 Barataria Waterway South of Lafitte	7.9	9.1	12.8	17.6	21.7	26.0	26.9	27.2	26.5	21.4	14.1	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.3	11.1	14.3	18.9	22.9	27.5	28.5	28.8	27.5	22.6	14.6	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	10.5	14.7	19.4	22.6	27.5	28.6	29.1	27.8	23.1	15.8	16.1
USGS 07380335 - Little Lake Near Cutoff	11.6	12.2	16.0	20.2	23.6	28.2	29.2	29.8	28.4	24.0	16.5	17.2
USGS073802516 Barataria Pass at Grand Isle	11.3	13.7	16.7	20.6	24.6	28.2	29.2	29.7	28.3	23.8	16.4	17.2
HWQ14 - Lake Washington	10.7	13.8	16.6	20.4	24.6	28.3	29.4	29.7	28.3	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	14.8	14.6	17.2	20.3	24.6	28.1	29.6	30.2	28.9	24.8	18.5	18.4
CRMS 3985	10.1	12.8	15.7	19.9	23.6	27.6	28.8	29.1	27.8	23.0	15.3	16.1
CRMS 0258	9.2	11.8	15.0	18.9	22.6	27.4	28.1	28.5	27.4	22.5	13.8	14.8
CRMS 0224	10.1	11.8	15.5	19.6	23.2	27.4	28.3	28.8	27.6	22.9	15.4	16.3
CRMS 0163	9.1	9.2	11.7	17.0	21.8	26.6	28.1	28.5	27.4	21.6	15.3	12.0
CRMS 0162	10.3	9.4	13.1	17.6	21.9	26.3	28.4	28.8	27.8	22.9	16.1	11.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-6.2	-4.7	-4.4	-3.1	-1.9	-0.3	-1.0	-1.0	-2.7	0.9	-4.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.4	1.6	1.3	0.9	0.5	0.2	0.1	0.1	0.0	0.3	0.1	1.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-4.6	-2.6	-2.0	-1.9	-1.4	-1.2	-1.3	-1.0	-1.2	0.1	-2.0
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-2.6	-1.6	-0.9	-1.1	-0.2	-0.1	-0.1	-0.2	-0.3	-0.5	-0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.0	-4.2	-2.0	-1.0	-1.7	-0.3	-0.3	-0.3	-0.3	-0.5	-0.5	-0.7
USGS 07380335 - Little Lake Near Cutoff	-0.5	-2.9	-1.2	-0.6	-1.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.3	-0.3
USGS073802516 Barataria Pass at Grand Isle	-0.2	-1.5	-0.4	-0.2	-0.2	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.8	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.2	-0.6	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	-0.8	-0.4	-0.2	-0.5	-0.1	0.3	0.3	0.2	0.1	0.1	0.2
CRMS 0258	-0.1	-1.6	-0.4	-0.3	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.2	-0.3
CRMS 0224	-0.3	-2.8	-0.8	-0.5	-0.7	-0.2	-0.1	-0.1	-0.2	-0.2	-0.2	-0.3
CRMS 0163	-0.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1
CRMS 0162	0.0	0.0	0.1	0.0	-0.1	-0.1	0.1	0.0	0.1	-0.1	0.0	-0.1

Figure WQ TEMP 153 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.5	15.2	19.6	23.6	27.4	28.1	28.5	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	11.9	13.6	16.2	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.3	14.5	18.9	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.8	19.8	23.9	27.6	28.6	28.9	27.7	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.8	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	11.9	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.3	14.3	16.6	20.2	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.1	13.6	16.2	20.0	24.1	27.6	28.7	29.0	28.0	23.1	15.5	16.4
CRMS 0258	9.0	13.3	14.7	19.1	22.7	26.0	26.7	27.1	27.1	22.6	14.6	15.5
CRMS 0224	10.4	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.0	8.0	11.4	16.3	21.6	26.6	28.4	28.5	27.2	21.7	15.5	12.4
CRMS 0162	7.9	8.6	12.2	16.8	21.6	26.2	28.5	28.2	27.5	22.8	17.1	13.4

V3PR8 HYST - cy 3 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.5	20.6	26.1	28.7	28.0	26.4	19.9	15.0	11.1
CRMS0276 - Just east of Wilkinson Canal	10.9	13.3	16.1	20.1	24.4	28.2	29.2	29.7	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.9	13.7	16.3	20.3	24.3	28.3	29.3	29.7	28.3	23.7	16.3	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.1	10.5	15.2	21.0	26.0	28.2	27.5	26.6	21.4	14.1	13.5
USGS7380251 Barataria Bay North of Grand Isle	7.4	8.4	11.7	16.6	22.1	26.7	28.3	28.5	27.5	22.6	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.9	7.8	11.1	16.2	21.7	26.5	28.5	28.7	27.8	23.1	15.8	16.2
USGS 07380335 - Little Lake Near Cutoff	8.2	8.9	12.3	17.4	22.7	27.1	28.8	29.4	28.4	24.0	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	9.5	11.9	15.1	19.9	24.4	28.0	29.1	29.6	28.4	23.8	16.4	17.2
HWQ14 - Lake Washington	10.1	12.3	15.6	19.9	24.4	28.0	29.2	29.6	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	12.5	12.7	15.7	19.8	24.4	28.2	29.5	30.1	28.9	24.9	18.7	18.5
CRMS 3985	8.4	10.7	13.5	18.5	23.2	27.0	28.1	28.6	27.9	23.0	15.4	16.4
CRMS 0258	7.5	9.7	12.7	17.7	22.4	26.4	27.6	27.3	27.1	22.5	14.5	15.4
CRMS 0224	7.6	8.9	12.5	17.4	22.5	26.7	28.1	28.6	27.6	22.9	15.5	16.3
CRMS 0163	8.3	8.3	11.6	16.5	21.6	26.6	28.3	28.5	27.1	21.5	15.5	12.2
CRMS 0162	8.1	8.7	12.4	16.8	21.6	26.2	28.5	28.2	27.5	22.6	17.1	13.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-6.7	-5.2	-5.1	-3.0	-1.4	0.6	-0.5	-1.2	-2.7	0.9	-4.6
CRMS0276 - Just east of Wilkinson Canal	-1.0	-0.3	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.8	2.4	1.8	1.3	0.6	0.4	0.1	0.2	0.1	0.3	0.1	1.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.5	-6.6	-4.9	-4.5	-2.6	-1.3	0.1	-1.0	-0.9	-1.2	0.1	-2.1
USGS7380251 Barataria Bay North of Grand Isle	-2.4	-5.3	-4.2	-3.2	-1.9	-0.9	-0.2	-0.4	-0.2	-0.4	-0.5	-0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.3	-6.9	-5.6	-4.3	-2.6	-1.4	-0.4	-0.7	-0.3	-0.5	-0.5	-0.7
USGS 07380335 - Little Lake Near Cutoff	-3.7	-6.2	-4.9	-3.4	-2.1	-1.2	-0.6	-0.5	0.0	-0.1	-0.3	-0.3
USGS073802516 Barataria Pass at Grand Isle	-2.1	-3.3	-2.0	-1.0	-0.4	-0.2	-0.1	-0.2	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.6	-2.3	-1.3	-0.8	-0.4	-0.3	-0.2	-0.1	0.0	-0.1	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-1.8	-1.6	-0.9	-0.4	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-1.7	-3.0	-2.7	-1.5	-1.0	-0.6	-0.6	-0.5	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-1.4	-3.6	-2.0	-1.4	-0.3	0.4	0.8	0.2	-0.1	-0.1	-0.1	-0.2
CRMS 0224	-2.8	-5.7	-3.9	-2.7	-1.4	-0.9	-0.3	-0.4	-0.2	-0.2	-0.2	-0.3
CRMS 0163	0.3	0.3	0.2	0.1	0.1	0.0	-0.1	0.0	-0.1	-0.2	0.0	-0.1
CRMS 0162	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	-0.4

Figure WQ TEMP 154 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.2	19.6	23.7	27.5	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.4	20.1	24.3	28.3	29.3	29.7	28.4	24.0	17.1	17.0
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.5	18.8	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.8	19.8	24.0	27.6	28.6	28.9	27.8	22.9	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.8	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.3	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.3	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.9	15.8	16.8	20.2	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.2	13.6	16.0	20.0	24.1	27.6	28.7	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.4	14.1	14.7	19.1	22.8	26.1	26.8	27.4	27.4	22.6	14.6	14.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.5
CRMS 0163	9.1	9.8	11.3	16.2	21.2	26.4	28.4	28.5	27.2	22.0	15.4	10.9
CRMS 0162	9.9	11.7	12.0	16.6	21.3	26.1	28.5	28.2	27.6	23.5	16.9	11.0

V3PR8 HYST - cy 3 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	8.1	10.2	14.6	20.7	26.1	28.7	27.9	26.4	20.1	14.9	9.1
CRMS0276 - Just east of Wilkinson Canal	12.2	15.4	16.2	20.1	24.2	28.1	29.2	29.7	28.4	24.0	17.2	16.3
Barataria Waterway at Lafitte (USACE82875)	11.1	14.3	16.3	20.2	24.2	28.2	29.3	29.7	28.3	23.7	16.3	16.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.9	11.5	10.7	15.0	20.9	26.2	28.3	27.4	26.6	21.5	14.1	9.6
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.3	11.9	16.4	21.8	26.6	28.4	28.7	27.6	22.6	14.8	11.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.1	11.5	15.9	21.4	26.4	28.5	29.1	27.8	23.1	15.7	10.4
USGS 07380335 - Little Lake Near Cutoff	11.7	15.1	12.7	17.1	22.2	26.9	28.8	29.8	28.4	24.0	16.5	11.7
USGS073802516 Barataria Pass at Grand Isle	11.4	15.1	15.5	19.8	24.2	27.9	29.1	29.7	28.3	23.8	16.4	14.8
HWQ14 - Lake Washington	10.6	14.5	15.7	19.8	24.1	27.9	29.2	29.7	28.3	23.7	15.8	15.5
HWQ16 - Bayou Grand Liard	14.8	15.7	16.1	19.7	24.2	28.1	29.5	30.2	28.9	24.9	18.7	16.4
CRMS 3985	10.1	13.6	13.4	18.4	22.9	26.9	28.2	28.9	27.9	23.0	15.4	13.1
CRMS 0258	9.2	13.9	12.9	17.6	22.3	26.5	27.6	27.4	27.4	22.5	14.4	12.1
CRMS 0224	10.2	14.3	12.8	17.2	22.1	26.6	28.1	28.8	27.6	22.9	15.4	11.7
CRMS 0163	9.1	9.6	11.4	16.4	21.2	26.4	28.4	28.5	27.2	21.9	15.4	11.2
CRMS 0162	9.9	11.3	12.1	16.8	21.3	26.1	28.5	28.2	27.6	23.5	16.9	11.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-5.6	-5.0	-5.0	-3.0	-1.4	0.6	-0.6	-1.1	-2.4	0.7	-6.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	-0.3	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.1	-0.8
Barataria Waterway at Lafitte (USACE82875)	0.4	1.3	1.8	1.4	0.9	0.5	0.1	0.2	0.1	0.3	0.1	2.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-2.2	-4.6	-4.6	-2.7	-1.3	0.1	-1.2	-0.9	-1.1	0.1	-6.0
USGS7380251 Barataria Bay North of Grand Isle	-0.5	-0.4	-3.9	-3.4	-2.2	-1.0	-0.2	-0.2	-0.2	-0.4	-0.4	-4.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.8	-0.7	-5.2	-4.5	-2.9	-1.5	-0.4	-0.4	-0.3	-0.5	-0.6	-6.5
USGS 07380335 - Little Lake Near Cutoff	-0.4	-0.2	-4.6	-3.6	-2.6	-1.4	-0.6	-0.1	-0.1	-0.1	-0.3	-5.8
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.7	-1.0	-0.6	-0.3	-0.1	0.0	0.0	0.0	-0.1	-2.5
HWQ14 - Lake Washington	-0.1	-0.2	-1.1	-0.8	-0.6	-0.4	-0.2	0.0	0.0	-0.1	-0.1	-1.5
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.8	-0.4	-0.2	0.0	-0.1	0.0	0.0	0.0	-0.1	-1.6
CRMS 3985	-0.1	0.0	-2.6	-1.7	-1.2	-0.7	-0.5	-0.2	-0.1	-0.1	-0.1	-3.1
CRMS 0258	-0.1	-0.2	-1.8	-1.5	-0.5	0.4	0.9	0.0	0.0	-0.1	-0.1	-2.7
CRMS 0224	-0.2	-0.3	-3.6	-3.0	-1.9	-1.0	-0.3	-0.2	-0.2	-0.2	-0.2	-4.8
CRMS 0163	0.0	-0.2	0.1	0.2	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.3
CRMS 0162	-0.1	-0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1

Figure WQ TEMP 155 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.4	15.2	19.6	23.6	27.4	28.2	28.6	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.6	20.0	24.4	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.9	14.9	18.6	23.6	27.8	29.1	29.6	28.2	23.4	16.2	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.3	19.7	23.6	27.4	28.2	28.5	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.3	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.6	14.8	17.0	20.1	24.5	28.2	29.6	30.2	28.9	24.9	18.7	18.6
CRMS 3985	10.1	13.5	16.2	20.0	24.1	27.6	28.8	29.2	28.0	23.1	15.5	16.4
CRMS 0258	9.2	13.3	14.6	19.1	22.7	26.1	27.8	28.6	27.4	22.6	14.6	15.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	8.7	8.5	11.6	16.0	21.5	26.5	28.3	28.6	27.4	21.6	15.4	12.2
CRMS 0162	8.5	9.1	12.7	16.4	21.5	26.1	28.5	28.6	27.8	22.6	16.3	12.8

V3PR9 HYST - cy 3 - 2002 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.4	15.2	19.6	23.6	27.4	28.2	28.6	27.6	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	12.1	14.4	16.7	20.1	24.4	28.3	29.3	29.8	28.5	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	11.0	13.9	16.4	20.2	24.3	28.3	29.2	29.7	28.3	23.7	16.3	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.3	19.7	23.6	27.4	28.2	28.5	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.8	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.2	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.6	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.2	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.7	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.6	14.9	17.0	20.1	24.5	28.2	29.6	30.2	28.9	24.9	18.7	18.6
CRMS 3985	10.1	13.5	16.1	20.0	24.1	27.6	28.8	29.2	28.0	23.1	15.5	16.4
CRMS 0258	9.2	13.3	14.6	19.1	22.7	26.1	27.8	28.6	27.4	22.6	14.6	15.8
CRMS 0224	10.4	14.6	16.3	20.2	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	8.9	8.7	11.7	16.0	21.5	26.5	28.2	28.5	27.4	21.6	15.4	12.3
CRMS 0162	8.7	9.2	12.8	16.5	21.6	26.1	28.5	28.6	27.8	22.6	16.5	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.5	2.0	1.5	1.6	0.7	0.5	0.1	0.1	0.1	0.3	0.1	1.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.1	0.2	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1
CRMS 0162	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2

Figure WQ TEMP 156 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.4	15.3	19.6	23.7	27.4	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.0	13.9	16.0	20.0	24.4	28.3	29.2	29.7	28.4	24.0	17.1	17.5
Barataria Waterway at Lafitte (USACE82875)	10.4	11.7	13.9	18.6	23.4	28.0	29.1	29.5	28.2	23.5	16.2	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.1	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.8	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.8	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.7	14.7	16.2	20.1	24.4	28.1	29.6	30.2	28.9	24.9	18.8	18.4
CRMS 3985	10.2	13.6	16.2	20.0	24.1	27.6	28.9	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.0	13.3	14.8	19.1	22.8	26.5	27.6	28.6	27.4	22.6	14.6	14.9
CRMS 0224	10.4	14.5	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.4	8.3	11.0	16.0	21.4	26.7	28.3	28.5	27.4	22.2	15.4	11.7
CRMS 0162	8.6	8.9	11.4	16.5	21.4	26.2	28.4	28.4	27.7	23.5	16.8	11.8

V3PR9 HYST - cy 3 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.4	15.3	19.6	23.7	27.4	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.3	16.2	20.1	24.4	28.3	29.3	29.8	28.5	24.0	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	11.0	13.9	16.0	20.2	24.2	28.3	29.2	29.7	28.3	23.8	16.3	16.6
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.1	28.6	27.4	22.5	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.6	15.8	19.8	24.0	27.6	28.6	29.0	27.8	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.0	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.7	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.7	14.8	16.3	20.1	24.4	28.1	29.6	30.2	28.9	24.9	18.8	18.4
CRMS 3985	10.2	13.6	16.2	20.0	24.1	27.6	28.9	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.0	13.3	14.8	19.1	22.8	26.5	27.6	28.6	27.4	22.6	14.6	14.8
CRMS 0224	10.4	14.6	16.3	20.2	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	8.6	8.4	11.1	16.0	21.3	26.8	28.2	28.5	27.3	22.1	15.4	11.8
CRMS 0162	8.7	9.0	11.6	16.6	21.4	26.3	28.4	28.4	27.7	23.4	16.9	11.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.6	2.2	2.0	1.6	0.9	0.3	0.1	0.1	0.1	0.2	0.1	1.4
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.1	0.1

Figure WQ TEMP 157 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.5	15.4	19.6	23.6	27.4	28.1	28.6	27.5	22.6	13.9	15.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.8	20.4	24.5	28.3	29.3	29.7	28.4	24.0	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	12.6	15.1	19.5	23.9	28.0	29.1	29.6	28.3	23.4	16.1	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.6	23.5	27.3	28.1	28.5	27.4	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.6	15.9	19.8	24.0	27.6	28.6	29.0	27.7	22.9	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.8	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.1	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.8	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.3	17.3	20.4	24.6	28.1	29.6	30.1	28.9	24.9	18.7	18.5
CRMS 3985	10.2	13.6	16.0	20.1	24.2	27.7	28.5	28.8	27.6	22.8	15.2	15.9
CRMS 0258	9.3	13.4	15.4	19.2	22.7	27.4	28.1	28.6	27.4	22.6	14.1	15.1
CRMS 0224	10.4	14.6	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	9.2	9.2	11.8	17.1	21.8	26.7	28.2	28.6	27.6	21.7	15.3	12.0
CRMS 0162	10.4	9.4	13.0	17.6	21.9	26.4	28.4	28.8	27.8	23.0	16.1	12.1

V3PR9 HYST - cy 3 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.5	15.4	19.6	23.6	27.4	28.1	28.6	27.5	22.6	13.9	15.5
CRMS0276 - Just east of Wilkinson Canal	12.3	14.9	16.8	20.4	24.5	28.3	29.3	29.8	28.5	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	11.2	14.2	16.5	20.4	24.4	28.3	29.2	29.7	28.3	23.7	16.3	16.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.6	23.5	27.3	28.1	28.5	27.4	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.9	19.8	24.0	27.6	28.6	29.0	27.7	22.9	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.7	20.4	24.3	27.8	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.2	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.7	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.3	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	10.2	13.6	16.0	20.0	24.1	27.7	28.5	28.8	27.6	22.8	15.2	15.9
CRMS 0258	9.3	13.4	15.4	19.2	22.7	27.4	28.1	28.6	27.4	22.6	14.0	15.1
CRMS 0224	10.4	14.6	16.4	20.2	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.6
CRMS 0163	9.2	9.3	11.9	17.0	21.8	26.7	28.1	28.5	27.5	21.7	15.3	12.2
CRMS 0162	10.5	9.6	13.3	17.8	21.9	26.4	28.3	28.8	27.8	23.0	16.1	12.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.5	1.7	1.4	0.9	0.5	0.3	0.1	0.1	0.0	0.3	0.2	1.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.1	0.1	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.0	0.1
CRMS 0162	0.2	0.1	0.2	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1

Figure WQ TEMP 158 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.5	15.2	19.6	23.6	27.4	28.1	28.5	27.5	22.6	14.1	15.7
CRMS0276 - Just east of Wilkinson Canal	11.9	13.6	16.2	20.1	24.5	28.3	29.3	29.7	28.4	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.3	14.5	18.9	23.7	27.9	29.1	29.5	28.2	23.4	16.2	15.7
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.8	19.8	23.9	27.6	28.6	28.9	27.7	22.9	15.2	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	16.8	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	11.9	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.3	14.3	16.6	20.2	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.1	13.6	16.2	20.0	24.1	27.6	28.7	29.0	28.0	23.1	15.5	16.4
CRMS 0258	9.0	13.3	14.7	19.1	22.7	26.0	26.7	27.1	27.1	22.6	14.6	15.5
CRMS 0224	10.4	14.5	16.4	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.0	8.0	11.4	16.3	21.6	26.6	28.4	28.5	27.2	21.7	15.5	12.4
CRMS 0162	7.9	8.6	12.2	16.8	21.6	26.2	28.5	28.2	27.5	22.8	17.1	13.4

V3PR9 HYST - cy 3 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.7	13.5	15.2	19.6	23.6	27.4	28.0	28.5	27.5	22.6	14.2	15.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.0	16.4	20.2	24.5	28.3	29.3	29.8	28.4	24.0	17.2	17.8
Barataria Waterway at Lafitte (USACE82875)	10.9	13.6	16.2	20.3	24.3	28.3	29.3	29.7	28.3	23.7	16.3	16.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.8	19.8	24.0	27.5	28.6	28.9	27.7	22.9	15.3	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	14.7	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	11.9	15.1	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	15.2	17.2	20.9	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.7	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.3	14.4	16.6	20.2	24.5	28.2	29.6	30.2	28.8	24.9	18.8	18.5
CRMS 3985	10.1	13.6	16.3	20.0	24.1	27.7	28.8	29.0	28.0	23.1	15.5	16.4
CRMS 0258	9.0	13.3	14.7	19.1	22.7	26.0	26.8	27.1	27.1	22.6	14.6	15.5
CRMS 0224	10.4	14.6	16.4	20.2	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.6
CRMS 0163	8.2	8.2	11.5	16.4	21.6	26.6	28.3	28.5	27.2	21.7	15.5	12.4
CRMS 0162	8.1	8.6	12.4	16.9	21.7	26.2	28.5	28.2	27.5	22.8	17.1	13.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.2	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.8	2.3	1.7	1.3	0.7	0.4	0.1	0.2	0.1	0.3	0.1	1.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.2	0.1	0.1	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1

Figure WQ TEMP 159 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.2	19.6	23.7	27.5	28.1	28.6	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.1	15.2	16.4	20.1	24.3	28.3	29.3	29.7	28.4	24.0	17.1	17.0
Barataria Waterway at Lafitte (USACE82875)	10.7	13.0	14.5	18.8	23.2	27.7	29.1	29.5	28.2	23.5	16.2	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.7	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.8	19.8	24.0	27.6	28.6	28.9	27.8	22.9	15.2	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.8	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.3	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.3	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.7	28.3	29.4	29.7	28.4	23.7	15.9	17.0
HWQ16 - Bayou Grand Liard	14.9	15.8	16.8	20.2	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.2	13.6	16.0	20.0	24.1	27.6	28.7	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.4	14.1	14.7	19.1	22.8	26.1	26.8	27.4	27.4	22.6	14.6	14.8
CRMS 0224	10.4	14.6	16.3	20.1	23.9	27.6	28.4	29.0	27.8	23.2	15.6	16.5
CRMS 0163	9.1	9.8	11.3	16.2	21.2	26.4	28.4	28.5	27.2	22.0	15.4	10.9
CRMS 0162	9.9	11.7	12.0	16.6	21.3	26.1	28.5	28.2	27.6	23.5	16.9	11.0

V3PR9 HYST - cy 3 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.2	19.6	23.7	27.5	28.1	28.5	27.6	22.6	14.1	15.5
CRMS0276 - Just east of Wilkinson Canal	12.2	15.4	16.5	20.1	24.3	28.3	29.3	29.8	28.4	24.0	17.2	17.3
Barataria Waterway at Lafitte (USACE82875)	11.1	14.5	16.3	20.3	24.2	28.2	29.3	29.7	28.3	23.8	16.3	16.3
USGS2928590900040000 Barataria Waterway South of Lafitte	8.8	13.7	15.4	19.6	23.6	27.4	28.2	28.6	27.5	22.6	14.0	15.6
USGS7380251 Barataria Bay North of Grand Isle	9.9	13.7	15.8	19.8	24.0	27.6	28.6	28.9	27.8	22.9	15.3	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.8	16.7	20.4	24.3	27.9	28.9	29.4	28.1	23.6	16.2	16.9
USGS 07380335 - Little Lake Near Cutoff	12.1	15.3	17.2	20.8	24.8	28.3	29.4	29.9	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.5	15.3	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.7	14.6	16.8	20.6	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.9	15.8	16.8	20.1	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.1
CRMS 3985	10.2	13.6	16.0	20.0	24.1	27.6	28.7	29.1	28.0	23.1	15.5	16.3
CRMS 0258	9.4	14.1	14.7	19.1	22.8	26.1	26.7	27.4	27.4	22.6	14.6	14.7
CRMS 0224	10.4	14.7	16.3	20.2	23.9	27.6	28.4	29.0	27.8	23.1	15.6	16.5
CRMS 0163	9.2	9.9	11.4	16.2	21.2	26.4	28.4	28.5	27.2	22.0	15.4	11.1
CRMS 0162	10.0	11.8	12.1	16.8	21.3	26.1	28.5	28.2	27.6	23.4	16.9	11.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3
Barataria Waterway at Lafitte (USACE82875)	0.4	1.4	1.9	1.4	1.0	0.5	0.1	0.2	0.1	0.3	0.1	1.8
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.1	0.1	0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1
CRMS 0162	0.1	0.1	0.1	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1

Figure WQ TEMP 160 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.9	27.6	28.3	28.7	27.6	22.8	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.3	15.8	19.7	24.3	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.3	13.2	17.1	22.7	27.5	29.2	29.5	28.1	23.2	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.6	29.0	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.3	15.1	17.3	20.7	24.8	28.3	29.4	30.0	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	15.3	16.5	19.9	24.4	28.2	29.6	30.2	28.8	24.9	18.8	18.6
CRMS 3985	10.0	13.5	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.4	16.3
CRMS 0258	9.5	13.9	15.3	19.5	23.2	26.6	27.4	27.9	26.8	22.6	15.0	16.1
CRMS 0224	10.7	14.7	16.5	20.3	24.1	27.7	28.6	29.1	27.9	23.4	15.9	16.8
CRMS 0163	8.5	8.7	11.0	15.6	21.4	26.7	28.7	28.8	27.2	21.9	15.8	12.5
CRMS 0162	9.3	9.9	12.3	16.5	21.9	26.6	28.8	28.5	27.5	22.8	18.1	15.1

V3PR2 HYST - cy 4 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	7.2	10.1	14.6	20.7	26.1	28.8	27.8	25.9	19.6	15.0	10.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.5	16.2	19.8	24.4	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.4	11.6	13.4	17.3	22.8	27.6	29.2	29.5	28.1	23.3	16.3	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.8	9.4	10.8	15.4	21.1	26.1	27.8	27.7	26.6	21.2	13.7	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.9	12.4	13.7	18.5	23.3	27.4	28.5	28.9	27.7	22.8	14.8	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	13.3	13.7	18.9	23.4	27.6	28.8	29.4	28.1	23.5	16.2	16.8
USGS 07380335 - Little Lake Near Cutoff	11.9	14.4	15.5	20.0	24.2	28.0	29.2	29.9	28.5	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.4	14.9	16.3	20.5	24.7	28.2	29.2	29.8	28.4	23.9	16.6	17.4
HWQ14 - Lake Washington	10.6	14.2	16.4	20.3	24.7	28.2	29.3	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.6	15.2	16.7	20.2	24.6	28.2	29.6	30.2	28.8	24.8	18.7	18.6
CRMS 3985	9.8	13.3	15.3	19.6	23.8	27.5	28.4	28.8	27.9	23.0	15.3	16.2
CRMS 0258	9.0	13.1	14.4	19.0	22.9	26.5	27.5	27.9	26.7	22.5	15.0	16.0
CRMS 0224	10.0	13.2	14.5	19.2	23.4	27.3	28.4	29.0	27.9	23.2	15.8	16.5
CRMS 0163	8.6	8.8	11.1	15.7	21.4	26.7	28.7	28.8	27.2	21.9	15.8	12.5
CRMS 0162	9.4	9.9	12.4	16.5	21.8	26.6	28.8	28.5	27.5	22.9	18.1	15.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.5	-5.4	-5.2	-3.2	-1.5	0.5	-0.9	-1.7	-3.2	0.7	-5.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-4.5	-5.0	-4.5	-2.8	-1.5	-0.7	-1.1	-1.1	-1.7	-0.7	-2.6
USGS7380251 Barataria Bay North of Grand Isle	-0.8	-1.3	-2.2	-1.4	-0.8	-0.3	-0.1	-0.1	-0.1	-0.2	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.0	-1.5	-3.2	-1.6	-1.1	-0.5	-0.3	-0.2	-0.1	-0.2	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-0.4	-0.7	-1.8	-0.8	-0.6	-0.3	-0.2	0.0	0.0	-0.1	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.4	-0.3	-0.9	-0.4	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1
HWQ14 - Lake Washington	-0.2	-0.3	-0.5	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.3	0.0	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.2	-0.2	-0.8	-0.4	-0.3	-0.2	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-0.4	-0.8	-0.9	-0.5	-0.4	-0.1	0.2	0.0	-0.1	-0.1	0.0	-0.2
CRMS 0224	-0.7	-1.5	-2.0	-1.1	-0.7	-0.4	-0.2	-0.2	-0.1	-0.2	-0.1	-0.2
CRMS 0163	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
CRMS 0162	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.2

Figure WQ TEMP 161 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.0	13.6	15.6	19.8	24.3	28.3	29.3	29.8	28.5	24.1	17.2	17.4
Barataria Waterway at Lafitte (USACE82875)	10.2	10.6	12.9	17.6	22.8	27.8	29.2	29.6	28.3	23.5	16.3	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.7	29.0	27.8	23.0	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	15.0	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	14.6	16.2	20.0	24.4	28.1	29.6	30.2	28.9	24.9	18.7	18.4
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	29.0	28.0	23.1	15.4	16.2
CRMS 0258	9.5	13.7	15.3	19.5	23.2	26.9	27.9	28.8	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	8.3	8.1	10.9	15.9	21.4	27.0	28.7	28.9	27.6	22.5	15.6	11.5
CRMS 0162	9.5	9.3	12.1	16.8	21.8	26.7	28.8	28.8	28.1	23.9	17.6	12.6

V3PR2 HYST - cy 4 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.7	27.6	27.4	26.2	19.9	14.9	9.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.0	16.1	20.0	24.4	28.3	29.3	29.8	28.5	24.1	17.1	17.4
Barataria Waterway at Lafitte (USACE82875)	10.3	10.9	13.1	17.8	22.9	27.9	29.2	29.6	28.3	23.5	16.3	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	6.8	7.8	10.7	15.5	21.1	26.1	27.1	27.6	26.7	21.3	13.7	11.6
USGS7380251 Barataria Bay North of Grand Isle	8.9	11.5	13.6	18.5	23.3	27.5	28.6	28.9	27.8	22.8	14.8	14.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	11.7	13.5	19.0	23.4	27.9	29.1	29.5	28.1	23.6	16.2	15.6
USGS 07380335 - Little Lake Near Cutoff	11.9	13.5	15.3	20.0	24.2	28.2	29.4	29.9	28.5	24.1	16.9	17.0
USGS073802516 Barataria Pass at Grand Isle	11.4	14.4	16.2	20.5	24.7	28.2	29.2	29.8	28.4	23.9	16.6	17.2
HWQ14 - Lake Washington	10.6	13.9	16.3	20.3	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.8
HWQ16 - Bayou Grand Liard	14.6	14.6	16.5	20.3	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.3
CRMS 3985	9.8	13.1	15.2	19.6	23.8	27.6	28.6	28.9	28.0	23.1	15.4	15.9
CRMS 0258	9.0	12.5	14.3	19.0	22.8	26.8	27.9	28.8	27.6	22.9	15.0	14.8
CRMS 0224	9.9	12.3	14.3	19.2	23.4	27.6	28.5	29.0	27.9	23.3	15.7	15.4
CRMS 0163	8.4	8.2	11.0	16.0	21.4	27.1	28.7	28.9	27.7	22.6	15.7	11.5
CRMS 0162	9.6	9.3	12.1	16.9	21.8	26.7	28.8	28.9	28.1	24.0	17.7	12.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.8	-5.4	-5.2	-3.2	-1.9	-0.7	-1.4	-1.5	-3.0	0.6	-5.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.4	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-6.1	-5.0	-4.4	-2.8	-1.5	-1.3	-1.2	-1.0	-1.5	-0.7	-4.3
USGS7380251 Barataria Bay North of Grand Isle	-0.8	-2.2	-2.3	-1.4	-0.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4	-1.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.0	-3.1	-3.4	-1.5	-1.1	-0.1	0.0	-0.1	-0.1	-0.1	-0.2	-1.4
USGS 07380335 - Little Lake Near Cutoff	-0.4	-1.5	-2.0	-0.8	-0.6	-0.1	0.0	0.0	0.0	0.0	0.0	-0.6
USGS073802516 Barataria Pass at Grand Isle	-0.4	-0.9	-1.0	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ14 - Lake Washington	-0.2	-0.6	-0.6	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.3	-0.5	-0.9	-0.4	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.3
CRMS 0258	-0.5	-1.2	-1.0	-0.5	-0.4	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.8
CRMS 0224	-0.8	-2.3	-2.2	-1.1	-0.7	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-1.3
CRMS 0163	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
CRMS 0162	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 162 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.6	15.6	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.1	15.6
CRMS0276 - Just east of Wilkinson Canal	12.3	14.4	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	11.6	14.3	18.7	23.5	27.9	29.2	29.6	28.4	23.2	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.3	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.7	29.0	27.8	23.0	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.8	20.5	24.4	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.2	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	10.1	13.5	15.9	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.4	16.1
CRMS 0258	9.7	13.9	15.8	19.6	23.2	27.6	28.3	28.8	27.6	23.0	14.6	15.7
CRMS 0224	10.7	14.7	16.5	20.3	24.0	27.7	28.5	29.1	27.9	23.4	15.8	16.7
CRMS 0163	9.2	9.1	11.7	17.2	21.9	27.0	28.7	29.0	27.9	21.9	15.4	12.0
CRMS 0162	11.6	10.4	14.2	18.2	22.5	27.0	28.8	29.2	28.1	23.6	17.0	13.2

V3PR2 HYST - cy 4 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.1	10.5	15.1	20.6	25.4	27.6	27.3	26.4	19.7	14.9	10.6
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.0	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	11.9	14.4	18.9	23.6	27.9	29.2	29.6	28.4	23.3	16.2	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	9.4	12.6	17.7	21.6	26.2	27.1	27.6	26.7	21.3	13.7	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.4	12.6	15.2	19.4	23.6	27.6	28.6	28.9	27.8	22.8	14.7	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	13.3	16.2	20.2	23.9	27.9	29.0	29.5	28.1	23.6	16.2	16.8
USGS 07380335 - Little Lake Near Cutoff	12.3	14.5	17.2	20.6	24.6	28.3	29.4	30.0	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.7	14.8	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.6	17.4
HWQ14 - Lake Washington	10.7	14.2	16.7	20.5	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.1	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.5	18.5
CRMS 3985	10.0	13.3	16.0	19.9	24.0	27.6	28.6	28.9	28.0	23.1	15.3	16.1
CRMS 0258	9.6	13.1	15.6	19.5	23.0	27.5	28.2	28.7	27.6	22.9	14.5	15.6
CRMS 0224	10.6	13.4	16.2	20.1	23.7	27.6	28.4	29.0	27.9	23.3	15.7	16.5
CRMS 0163	9.3	9.3	11.7	17.2	22.0	27.1	28.7	29.0	28.0	21.9	15.4	12.0
CRMS 0162	11.7	10.5	14.2	18.1	22.4	26.9	28.8	29.2	28.1	23.6	17.0	13.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.5	-5.1	-4.7	-3.2	-2.2	-0.7	-1.5	-1.4	-3.1	0.7	-5.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-4.4	-3.0	-2.2	-2.2	-1.4	-1.3	-1.1	-1.0	-1.6	-0.7	-2.3
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-1.0	-0.7	-0.5	-0.5	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-1.5	-0.6	-0.3	-0.5	0.0	0.0	-0.1	-0.1	-0.1	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.6	-0.1	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.5	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.4	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.1	-0.2	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0258	-0.1	-0.8	-0.1	-0.1	-0.2	0.0	-0.1	0.0	0.0	-0.1	-0.1	-0.2
CRMS 0224	-0.2	-1.2	-0.3	-0.2	-0.3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
CRMS 0163	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.1	0.1	0.0	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.1	0.0	0.2

Figure WQ TEMP 163 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.5	28.2	28.7	27.7	22.9	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	11.8	13.2	16.0	20.0	24.4	28.3	29.3	29.8	28.5	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	9.9	10.2	13.6	18.0	23.2	27.6	29.2	29.5	28.2	23.3	16.3	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.4	16.0
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	19.9	24.1	27.7	28.6	28.9	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.1	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.4	14.2	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.5	16.3
CRMS 0258	9.5	13.7	15.3	19.5	23.1	26.6	27.4	27.7	27.4	23.0	15.0	16.0
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.9	16.8
CRMS 0163	7.9	7.9	11.2	16.2	21.6	26.7	28.7	28.7	27.4	21.9	15.7	12.3
CRMS 0162	8.4	9.0	12.8	17.1	22.2	26.5	28.8	28.4	27.9	23.4	17.9	14.7

V3PR2 HYST - cy 4 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.6	26.1	28.7	27.9	26.1	19.7	15.0	10.7
CRMS0276 - Just east of Wilkinson Canal	11.6	13.7	16.3	20.1	24.5	28.3	29.3	29.8	28.5	24.1	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.0	10.5	13.8	18.2	23.3	27.7	29.2	29.5	28.2	23.3	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	7.7	10.9	15.7	21.2	26.1	27.7	27.7	26.7	21.3	13.7	13.5
USGS7380251 Barataria Bay North of Grand Isle	8.7	11.3	14.0	18.7	23.4	27.4	28.5	28.8	27.8	22.9	14.8	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	11.3	14.1	19.2	23.6	27.6	28.8	29.3	28.2	23.6	16.2	16.8
USGS 07380335 - Little Lake Near Cutoff	11.4	13.3	15.9	20.1	24.4	28.1	29.3	29.9	28.5	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.1	14.2	16.5	20.6	24.7	28.2	29.2	29.8	28.4	23.9	16.6	17.4
HWQ14 - Lake Washington	10.5	13.8	16.4	20.4	24.7	28.2	29.3	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	13.9	14.3	16.8	20.3	24.7	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.6	13.0	15.4	19.7	23.9	27.5	28.4	28.7	28.0	23.1	15.4	16.2
CRMS 0258	8.5	12.4	14.5	19.0	22.9	26.5	27.4	27.7	27.4	22.9	15.0	15.9
CRMS 0224	9.2	12.1	14.8	19.4	23.5	27.3	28.3	28.9	27.9	23.3	15.7	16.6
CRMS 0163	8.1	8.0	11.3	16.4	21.7	26.8	28.7	28.8	27.4	22.0	15.7	12.3
CRMS 0162	8.5	9.0	12.8	17.1	22.1	26.5	28.8	28.4	27.9	23.5	18.0	14.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.9	-6.8	-5.4	-5.2	-3.2	-1.5	0.5	-0.8	-1.6	-3.2	0.6	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.2	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.3	0.3	0.2	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.7	-6.3	-4.8	-4.1	-2.7	-1.5	-0.7	-1.1	-1.0	-1.6	-0.7	-2.4
USGS7380251 Barataria Bay North of Grand Isle	-1.0	-2.4	-1.9	-1.3	-0.7	-0.3	-0.1	-0.1	-0.1	-0.1	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.7	-3.5	-2.8	-1.3	-0.9	-0.4	-0.3	-0.3	-0.1	-0.1	-0.2	-0.2
USGS 07380335 - Little Lake Near Cutoff	-0.8	-1.7	-1.4	-0.6	-0.4	-0.2	-0.1	-0.1	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.7	-1.0	-0.8	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.3	-0.8	-0.4	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.5	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.4	-0.6	-0.7	-0.4	-0.2	-0.2	-0.3	-0.2	-0.1	0.0	-0.1	0.0
CRMS 0258	-1.0	-1.3	-0.8	-0.5	-0.3	-0.1	0.1	0.0	0.0	-0.1	0.0	-0.1
CRMS 0224	-1.5	-2.5	-1.7	-0.9	-0.5	-0.4	-0.2	-0.2	0.0	-0.1	-0.1	-0.2
CRMS 0163	0.1	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
CRMS 0162	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2

Figure WQ TEMP 164 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.4	19.7	23.9	27.6	28.3	28.7	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.2	19.9	24.3	28.3	29.3	29.8	28.5	24.1	17.2	16.9
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.5	17.8	22.6	27.3	29.2	29.5	28.2	23.4	16.3	13.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	14.0	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.6	29.0	27.9	23.0	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.9	16.8	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.4	15.2	17.3	20.8	24.8	28.3	29.4	30.0	28.5	24.1	16.9	17.5
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.8	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.7	16.8	20.1	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.1	13.6	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.5	16.0
CRMS 0258	9.8	14.5	15.3	19.5	23.2	26.6	27.4	27.9	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.8	16.4	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	9.2	10.0	11.1	16.1	21.2	26.5	28.7	28.8	27.4	22.3	15.6	10.7
CRMS 0162	11.2	13.3	12.9	17.0	21.7	26.5	28.8	28.5	28.0	23.8	17.7	11.3

V3PR2 HYST - cy 4 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.8	10.2	14.6	20.7	26.1	28.7	27.6	26.1	19.9	14.9	9.1
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.5	20.1	24.4	28.3	29.3	29.8	28.5	24.1	17.1	17.1
Barataria Waterway at Lafitte (USACE82875)	10.7	12.5	13.7	18.1	22.7	27.4	29.2	29.5	28.2	23.4	16.3	13.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.5	11.0	15.6	21.1	26.1	27.8	27.6	26.7	21.4	13.7	10.1
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.5	14.1	18.6	23.3	27.4	28.5	28.9	27.8	22.9	14.8	13.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	14.3	19.1	23.4	27.5	28.8	29.5	28.1	23.6	16.2	13.9
USGS 07380335 - Little Lake Near Cutoff	12.3	15.2	16.0	20.1	24.2	28.0	29.3	30.0	28.5	24.1	16.9	16.0
USGS073802516 Barataria Pass at Grand Isle	11.7	15.3	16.6	20.6	24.7	28.2	29.2	29.8	28.4	23.9	16.6	16.6
HWQ14 - Lake Washington	10.7	14.5	16.5	20.4	24.7	28.2	29.3	29.7	28.3	23.7	15.9	16.6
HWQ16 - Bayou Grand Liard	15.0	15.7	17.0	20.3	24.6	28.2	29.6	30.2	28.9	24.9	18.7	17.9
CRMS 3985	10.0	13.5	15.3	19.6	23.8	27.5	28.4	28.8	28.0	23.1	15.4	15.4
CRMS 0258	9.6	14.3	14.5	19.0	22.9	26.6	27.5	27.8	27.7	22.9	14.9	14.2
CRMS 0224	10.6	14.5	14.8	19.3	23.4	27.3	28.4	29.1	27.9	23.3	15.7	14.4
CRMS 0163	9.2	10.1	11.2	16.2	21.3	26.5	28.7	28.8	27.5	22.4	15.6	10.8
CRMS 0162	11.3	13.3	12.9	17.0	21.7	26.4	28.8	28.5	28.0	23.9	17.8	11.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.0	-5.3	-5.2	-3.2	-1.5	0.5	-1.1	-1.6	-3.0	0.5	-6.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-2.5	-4.7	-4.3	-2.8	-1.6	-0.7	-1.2	-1.0	-1.5	-0.7	-5.8
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.2	-1.8	-1.4	-0.8	-0.3	-0.1	-0.1	-0.1	-0.1	-0.4	-2.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-0.2	-2.6	-1.4	-1.1	-0.5	-0.3	-0.1	-0.1	-0.1	-0.2	-3.1
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-1.3	-0.7	-0.6	-0.3	-0.2	0.0	0.0	0.0	0.0	-1.5
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.6	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.8
HWQ14 - Lake Washington	-0.1	-0.1	-0.3	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.4
HWQ16 - Bayou Grand Liard	-0.1	0.0	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.1	-0.1	-0.6	-0.4	-0.3	-0.2	-0.2	-0.1	0.0	0.0	-0.1	-0.7
CRMS 0258	-0.1	-0.2	-0.8	-0.5	-0.4	0.0	0.1	-0.1	0.0	0.0	-0.1	-1.3
CRMS 0224	-0.1	-0.2	-1.7	-1.0	-0.7	-0.5	-0.2	-0.1	0.0	-0.1	-0.1	-2.3
CRMS 0163	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
CRMS 0162	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.1

Figure WQ TEMP 165 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.9	27.6	28.3	28.7	27.6	22.8	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.3	15.8	19.7	24.3	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.3	13.2	17.1	22.7	27.5	29.2	29.5	28.1	23.2	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.6	29.0	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.3	15.1	17.3	20.7	24.8	28.3	29.4	30.0	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	15.3	16.5	19.9	24.4	28.2	29.6	30.2	28.8	24.9	18.8	18.6
CRMS 3985	10.0	13.5	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.4	16.3
CRMS 0258	9.5	13.9	15.3	19.5	23.2	26.6	27.4	27.9	26.8	22.6	15.0	16.1
CRMS 0224	10.7	14.7	16.5	20.3	24.1	27.7	28.6	29.1	27.9	23.4	15.9	16.8
CRMS 0163	8.5	8.7	11.0	15.6	21.4	26.7	28.7	28.8	27.2	21.9	15.8	12.5
CRMS 0162	9.3	9.9	12.3	16.5	21.9	26.6	28.8	28.5	27.5	22.8	18.1	15.1

V3PR3 HYST - cy 4 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	7.1	10.1	14.6	20.7	26.1	28.8	27.9	26.0	19.6	15.1	10.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.5	16.2	19.8	24.4	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.4	11.6	13.5	17.4	22.8	27.6	29.2	29.5	28.1	23.3	16.3	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	9.3	10.7	15.4	21.2	26.1	28.0	27.8	26.6	21.2	13.6	13.3
USGS7380251 Barataria Bay North of Grand Isle	8.9	12.3	13.6	18.4	23.2	27.4	28.5	28.8	27.7	22.8	14.7	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	13.4	13.8	19.0	23.4	27.6	28.8	29.4	28.1	23.5	16.2	16.8
USGS 07380335 - Little Lake Near Cutoff	11.9	14.4	15.6	20.0	24.2	28.0	29.3	29.9	28.5	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.4	15.0	16.4	20.5	24.7	28.2	29.2	29.8	28.4	23.9	16.6	17.4
HWQ14 - Lake Washington	10.6	14.2	16.4	20.3	24.6	28.2	29.3	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.6	15.2	16.7	20.2	24.6	28.2	29.6	30.2	28.8	24.9	18.7	18.6
CRMS 3985	9.8	13.2	15.1	19.6	23.8	27.5	28.3	28.7	28.0	23.0	15.3	16.2
CRMS 0258	9.1	13.2	14.4	19.0	22.9	26.6	27.5	27.9	26.7	22.5	15.0	16.0
CRMS 0224	10.0	13.3	14.6	19.2	23.4	27.3	28.4	29.0	27.9	23.2	15.8	16.6
CRMS 0163	8.6	8.8	11.1	15.7	21.4	26.7	28.8	28.8	27.2	22.0	15.8	12.5
CRMS 0162	9.5	9.9	12.3	16.4	21.9	26.5	28.8	28.5	27.5	23.0	18.1	15.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.5	-5.4	-5.2	-3.2	-1.5	0.6	-0.8	-1.7	-3.2	0.7	-5.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.1	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.4	-4.6	-5.0	-4.5	-2.7	-1.5	-0.5	-1.0	-1.0	-1.6	-0.8	-2.6
USGS7380251 Barataria Bay North of Grand Isle	-0.8	-1.4	-2.3	-1.5	-0.9	-0.3	-0.1	-0.1	-0.1	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.0	-1.4	-3.1	-1.5	-1.1	-0.4	-0.3	-0.1	-0.1	-0.2	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-0.4	-0.7	-1.7	-0.7	-0.6	-0.3	-0.2	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.4	-0.3	-0.9	-0.4	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.2	-0.4	-0.5	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.3	-0.3	-0.9	-0.5	-0.3	-0.2	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-0.4	-0.7	-0.9	-0.5	-0.3	0.0	0.2	0.0	-0.1	-0.1	0.0	-0.1
CRMS 0224	-0.7	-1.4	-1.9	-1.1	-0.7	-0.4	-0.2	-0.1	-0.1	-0.2	-0.1	-0.2
CRMS 0163	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
CRMS 0162	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0

Figure WQ TEMP 166 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.0	13.6	15.6	19.8	24.3	28.3	29.3	29.8	28.5	24.1	17.2	17.4
Barataria Waterway at Lafitte (USACE82875)	10.2	10.6	12.9	17.6	22.8	27.8	29.2	29.6	28.3	23.5	16.3	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.7	29.0	27.8	23.0	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	15.0	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	14.6	16.2	20.0	24.4	28.1	29.6	30.2	28.9	24.9	18.7	18.4
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	29.0	28.0	23.1	15.4	16.2
CRMS 0258	9.5	13.7	15.3	19.5	23.2	26.9	27.9	28.8	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	8.3	8.1	10.9	15.9	21.4	27.0	28.7	28.9	27.6	22.5	15.6	11.5
CRMS 0162	9.5	9.3	12.1	16.8	21.8	26.7	28.8	28.8	28.1	23.9	17.6	12.6

V3PR3 HYST - cy 4 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.7	27.8	27.6	26.2	19.9	14.9	9.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.0	16.1	20.0	24.4	28.3	29.3	29.8	28.5	24.1	17.1	17.4
Barataria Waterway at Lafitte (USACE82875)	10.4	10.9	13.2	17.8	22.9	27.9	29.2	29.6	28.3	23.5	16.3	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.7	10.6	15.4	21.1	26.2	27.2	27.7	26.7	21.4	13.6	11.5
USGS7380251 Barataria Bay North of Grand Isle	8.9	11.4	13.5	18.4	23.2	27.5	28.6	28.9	27.8	22.8	14.7	14.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	11.8	13.7	19.0	23.4	27.9	29.1	29.5	28.1	23.6	16.2	15.7
USGS 07380335 - Little Lake Near Cutoff	12.0	13.6	15.4	20.0	24.2	28.2	29.4	30.0	28.5	24.1	16.9	17.0
USGS073802516 Barataria Pass at Grand Isle	11.4	14.4	16.3	20.5	24.7	28.2	29.2	29.8	28.4	23.9	16.6	17.2
HWQ14 - Lake Washington	10.6	13.9	16.3	20.3	24.6	28.3	29.4	29.7	28.3	23.7	15.9	16.8
HWQ16 - Bayou Grand Liard	14.6	14.7	16.5	20.3	24.6	28.1	29.6	30.2	28.9	24.9	18.7	18.3
CRMS 3985	9.7	13.0	15.1	19.6	23.8	27.6	28.5	28.9	28.0	23.1	15.4	15.8
CRMS 0258	9.1	12.5	14.3	19.0	22.9	26.8	27.9	28.8	27.6	22.9	15.0	14.8
CRMS 0224	10.0	12.4	14.4	19.3	23.4	27.6	28.5	29.0	27.9	23.3	15.7	15.5
CRMS 0163	8.5	8.2	11.0	16.0	21.4	27.1	28.7	28.9	27.7	22.5	15.7	11.5
CRMS 0162	9.6	9.3	12.2	16.9	21.8	26.7	28.8	28.9	28.1	23.9	17.7	12.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.8	-5.4	-5.2	-3.2	-1.8	-0.5	-1.3	-1.6	-3.0	0.6	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.4	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.4	-6.2	-5.1	-4.5	-2.7	-1.4	-1.2	-1.1	-0.9	-1.5	-0.8	-4.4
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-2.4	-2.4	-1.5	-0.9	-0.2	-0.1	-0.1	-0.1	-0.2	-0.4	-1.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.0	-3.0	-3.3	-1.5	-1.0	-0.1	0.0	-0.1	-0.1	-0.1	-0.2	-1.4
USGS 07380335 - Little Lake Near Cutoff	-0.3	-1.4	-1.9	-0.8	-0.6	-0.1	0.0	0.0	0.0	0.0	0.0	-0.5
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.8	-1.0	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ14 - Lake Washington	-0.2	-0.7	-0.6	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.3	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.3	-0.6	-1.0	-0.5	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.3
CRMS 0258	-0.5	-1.2	-1.0	-0.5	-0.3	-0.1	-0.1	0.0	0.0	-0.1	0.0	-0.7
CRMS 0224	-0.7	-2.2	-2.1	-1.0	-0.7	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-1.2
CRMS 0163	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 167 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.6	15.6	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.1	15.6
CRMS0276 - Just east of Wilkinson Canal	12.3	14.4	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	11.6	14.3	18.7	23.5	27.9	29.2	29.6	28.4	23.2	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.3	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.7	29.0	27.8	23.0	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.8	20.5	24.4	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.2	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	10.1	13.5	15.9	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.4	16.1
CRMS 0258	9.7	13.9	15.8	19.6	23.2	27.6	28.3	28.8	27.6	23.0	14.6	15.7
CRMS 0224	10.7	14.7	16.5	20.3	24.0	27.7	28.5	29.1	27.9	23.4	15.8	16.7
CRMS 0163	9.2	9.1	11.7	17.2	21.9	27.0	28.7	29.0	27.9	21.9	15.4	12.0
CRMS 0162	11.6	10.4	14.2	18.2	22.5	27.0	28.8	29.2	28.1	23.6	17.0	13.2

V3PR3 HYST - cy 4 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.1	10.4	15.1	20.6	25.4	27.8	27.5	26.3	19.7	14.9	10.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.8	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.8	11.9	14.5	18.9	23.6	27.9	29.2	29.7	28.4	23.3	16.2	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	9.3	12.6	17.6	21.6	26.3	27.2	27.7	26.7	21.4	13.6	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.4	12.5	15.2	19.4	23.6	27.6	28.6	28.9	27.8	22.8	14.7	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	13.4	16.2	20.2	24.0	28.0	29.1	29.5	28.2	23.6	16.2	16.8
USGS 07380335 - Little Lake Near Cutoff	12.3	14.6	17.2	20.7	24.6	28.3	29.4	30.0	28.6	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.7	14.8	17.1	20.8	24.8	28.2	29.2	29.7	28.4	23.9	16.6	17.4
HWQ14 - Lake Washington	10.7	14.2	16.8	20.5	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.1	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.5	18.4
CRMS 3985	10.0	13.3	15.9	19.9	23.9	27.6	28.6	28.9	28.0	23.0	15.3	16.1
CRMS 0258	9.6	13.1	15.6	19.5	23.0	27.5	28.2	28.7	27.6	22.9	14.5	15.6
CRMS 0224	10.6	13.5	16.2	20.1	23.7	27.6	28.4	29.0	27.9	23.3	15.7	16.5
CRMS 0163	9.3	9.3	11.7	17.2	22.0	27.0	28.7	29.0	28.0	21.9	15.4	12.0
CRMS 0162	11.7	10.5	14.2	18.1	22.4	27.0	28.7	29.2	28.1	23.6	17.0	13.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.5	-5.2	-4.7	-3.2	-2.1	-0.6	-1.3	-1.4	-3.1	0.8	-5.2
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-4.6	-3.0	-2.2	-2.2	-1.3	-1.2	-1.1	-0.9	-1.5	-0.7	-2.3
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-1.1	-0.7	-0.5	-0.5	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-1.4	-0.6	-0.3	-0.4	0.0	0.0	-0.1	-0.1	-0.1	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.5	-0.1	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.5	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.4	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	-0.2	0.0	-0.1	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
CRMS 0258	-0.1	-0.7	-0.1	-0.1	-0.2	0.0	-0.1	0.0	0.0	-0.1	-0.1	-0.2
CRMS 0224	-0.2	-1.2	-0.3	-0.2	-0.3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
CRMS 0163	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 168 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.5	28.2	28.7	27.7	22.9	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	11.8	13.2	16.0	20.0	24.4	28.3	29.3	29.8	28.5	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	9.9	10.2	13.6	18.0	23.2	27.6	29.2	29.5	28.2	23.3	16.3	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.4	16.0
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	19.9	24.1	27.7	28.6	28.9	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.1	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.4	14.2	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.5	16.3
CRMS 0258	9.5	13.7	15.3	19.5	23.1	26.6	27.4	27.7	27.4	23.0	15.0	16.0
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.9	16.8
CRMS 0163	7.9	7.9	11.2	16.2	21.6	26.7	28.7	28.7	27.4	21.9	15.7	12.3
CRMS 0162	8.4	9.0	12.8	17.1	22.2	26.5	28.8	28.4	27.9	23.4	17.9	14.7

V3PR3 HYST - cy 4 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.6	26.1	28.7	27.9	26.1	19.7	15.1	10.7
CRMS0276 - Just east of Wilkinson Canal	11.7	13.7	16.4	20.2	24.5	28.3	29.3	29.8	28.5	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	10.5	13.9	18.3	23.3	27.7	29.2	29.5	28.2	23.3	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	7.6	10.8	15.6	21.1	26.1	27.8	27.7	26.8	21.4	13.6	13.5
USGS7380251 Barataria Bay North of Grand Isle	8.6	11.2	13.9	18.6	23.3	27.4	28.5	28.8	27.7	22.8	14.7	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	11.5	14.2	19.2	23.7	27.7	28.8	29.3	28.2	23.6	16.2	16.8
USGS 07380335 - Little Lake Near Cutoff	11.4	13.4	16.0	20.1	24.4	28.1	29.3	29.9	28.5	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.1	14.2	16.5	20.6	24.7	28.2	29.2	29.8	28.4	23.9	16.6	17.4
HWQ14 - Lake Washington	10.5	13.8	16.4	20.4	24.7	28.2	29.3	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	13.9	14.4	16.8	20.3	24.7	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.5	12.9	15.3	19.6	23.8	27.5	28.3	28.7	28.0	23.1	15.4	16.2
CRMS 0258	8.6	12.4	14.6	19.1	22.9	26.5	27.4	27.7	27.4	22.9	15.0	15.9
CRMS 0224	9.3	12.2	14.9	19.4	23.5	27.4	28.3	28.9	27.9	23.3	15.7	16.6
CRMS 0163	8.1	8.0	11.3	16.4	21.6	26.8	28.7	28.8	27.4	21.9	15.7	12.3
CRMS 0162	8.5	9.0	12.9	17.1	22.1	26.5	28.8	28.5	27.9	23.3	18.0	14.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.8	-6.8	-5.4	-5.2	-3.2	-1.5	0.5	-0.7	-1.6	-3.2	0.7	-5.0
CRMS0276 - Just east of Wilkinson Canal	-0.2	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.3	0.3	0.3	0.1	0.1	0.0	0.1	0.0	0.1	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.7	-6.4	-4.9	-4.3	-2.7	-1.5	-0.6	-1.1	-0.9	-1.5	-0.8	-2.4
USGS7380251 Barataria Bay North of Grand Isle	-1.1	-2.6	-2.1	-1.3	-0.8	-0.3	-0.1	-0.1	-0.1	-0.1	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.7	-3.3	-2.7	-1.3	-0.8	-0.4	-0.3	-0.2	-0.1	-0.1	-0.2	-0.2
USGS 07380335 - Little Lake Near Cutoff	-0.8	-1.6	-1.3	-0.6	-0.4	-0.2	-0.1	-0.1	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.6	-1.0	-0.8	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.3	-0.8	-0.5	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.5	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.5	-0.7	-0.8	-0.4	-0.3	-0.2	-0.4	-0.3	-0.1	-0.1	-0.1	0.0
CRMS 0258	-0.9	-1.3	-0.7	-0.5	-0.3	-0.1	0.1	0.0	0.0	-0.1	0.0	-0.1
CRMS 0224	-1.5	-2.4	-1.6	-0.9	-0.5	-0.4	-0.2	-0.2	0.0	-0.1	-0.1	-0.2
CRMS 0163	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.2

Figure WQ TEMP 169 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.4	19.7	23.9	27.6	28.3	28.7	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.2	19.9	24.3	28.3	29.3	29.8	28.5	24.1	17.2	16.9
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.5	17.8	22.6	27.3	29.2	29.5	28.2	23.4	16.3	13.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	14.0	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.6	29.0	27.9	23.0	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.9	16.8	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.4	15.2	17.3	20.8	24.8	28.3	29.4	30.0	28.5	24.1	16.9	17.5
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.8	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.7	16.8	20.1	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.1	13.6	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.5	16.0
CRMS 0258	9.8	14.5	15.3	19.5	23.2	26.6	27.4	27.9	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.8	16.4	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	9.2	10.0	11.1	16.1	21.2	26.5	28.7	28.8	27.4	22.3	15.6	10.7
CRMS 0162	11.2	13.3	12.9	17.0	21.7	26.5	28.8	28.5	28.0	23.8	17.7	11.3

V3PR3 HYST - cy 4 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.6	10.2	14.6	20.7	26.1	28.7	27.8	26.1	19.8	14.9	9.2
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.5	20.1	24.4	28.3	29.3	29.8	28.5	24.1	17.1	17.1
Barataria Waterway at Lafitte (USACE82875)	10.8	12.5	13.8	18.1	22.7	27.4	29.2	29.5	28.2	23.5	16.3	13.8
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	11.4	10.9	15.5	21.1	26.1	27.8	27.7	26.8	21.4	13.6	9.9
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.5	14.0	18.5	23.2	27.3	28.5	28.9	27.8	22.8	14.7	13.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	14.7	14.4	19.2	23.4	27.6	28.8	29.5	28.1	23.6	16.2	14.1
USGS 07380335 - Little Lake Near Cutoff	12.3	15.2	16.1	20.1	24.2	28.0	29.3	30.0	28.5	24.1	16.9	16.2
USGS073802516 Barataria Pass at Grand Isle	11.7	15.3	16.6	20.6	24.7	28.2	29.2	29.8	28.4	23.9	16.6	16.6
HWQ14 - Lake Washington	10.7	14.5	16.5	20.4	24.7	28.2	29.3	29.7	28.3	23.7	15.9	16.5
HWQ16 - Bayou Grand Liard	15.0	15.7	17.0	20.3	24.6	28.2	29.6	30.2	28.8	24.9	18.7	17.9
CRMS 3985	10.0	13.5	15.2	19.6	23.8	27.5	28.4	28.8	28.0	23.1	15.4	15.2
CRMS 0258	9.6	14.3	14.5	19.0	22.9	26.6	27.5	27.9	27.6	22.9	14.9	14.3
CRMS 0224	10.6	14.6	14.9	19.4	23.4	27.3	28.4	29.1	27.9	23.3	15.7	14.5
CRMS 0163	9.3	10.0	11.2	16.2	21.3	26.5	28.7	28.8	27.4	22.4	15.6	10.8
CRMS 0162	11.3	13.3	12.9	17.0	21.8	26.5	28.8	28.5	28.0	23.9	17.8	11.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.2	-5.3	-5.2	-3.2	-1.5	0.5	-1.0	-1.6	-3.0	0.6	-6.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.1	0.2	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-2.6	-4.8	-4.4	-2.7	-1.5	-0.6	-1.1	-0.9	-1.5	-0.8	-6.0
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.3	-1.9	-1.4	-0.9	-0.4	-0.1	-0.1	-0.1	-0.1	-0.4	-2.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-0.2	-2.5	-1.3	-1.0	-0.5	-0.3	-0.1	-0.1	-0.1	-0.2	-3.0
USGS 07380335 - Little Lake Near Cutoff	-0.1	0.0	-1.2	-0.7	-0.6	-0.3	-0.1	0.0	0.0	0.0	0.0	-1.4
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.6	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.8
HWQ14 - Lake Washington	-0.1	-0.1	-0.3	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.4
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.1	-0.1	-0.7	-0.4	-0.4	-0.2	-0.3	-0.2	0.0	0.0	-0.1	-0.8
CRMS 0258	-0.1	-0.1	-0.8	-0.5	-0.3	0.0	0.1	-0.1	0.0	0.0	-0.1	-1.2
CRMS 0224	-0.1	-0.2	-1.6	-0.9	-0.7	-0.4	-0.2	-0.1	-0.1	-0.1	-0.1	-2.2
CRMS 0163	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1
CRMS 0162	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1

Figure WQ TEMP 170 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.9	27.6	28.3	28.7	27.6	22.8	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.3	15.8	19.7	24.3	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.3	13.2	17.1	22.7	27.5	29.2	29.5	28.1	23.2	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.6	29.0	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.3	15.1	17.3	20.7	24.8	28.3	29.4	30.0	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	15.3	16.5	19.9	24.4	28.2	29.6	30.2	28.8	24.9	18.8	18.6
CRMS 3985	10.0	13.5	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.4	16.3
CRMS 0258	9.5	13.9	15.3	19.5	23.2	26.6	27.4	27.9	26.8	22.6	15.0	16.1
CRMS 0224	10.7	14.7	16.5	20.3	24.1	27.7	28.6	29.1	27.9	23.4	15.9	16.8
CRMS 0163	8.5	8.7	11.0	15.6	21.4	26.7	28.7	28.8	27.2	21.9	15.8	12.5
CRMS 0162	9.3	9.9	12.3	16.5	21.9	26.6	28.8	28.5	27.5	22.8	18.1	15.1

V3PR4 HYST - cy 4 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	7.2	10.1	14.6	20.6	26.1	28.8	27.9	25.9	19.6	14.9	10.8
CRMS0276 - Just east of Wilkinson Canal	11.9	14.5	16.2	19.9	24.4	28.3	29.3	29.8	28.4	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.5	13.4	17.3	22.8	27.6	29.2	29.5	28.1	23.3	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.8	9.2	10.6	15.2	21.0	26.1	27.9	27.7	26.3	21.1	13.9	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.8	12.0	13.1	17.9	22.9	27.2	28.5	28.8	27.7	22.8	14.7	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	12.2	12.4	17.8	22.7	27.2	28.6	29.3	28.0	23.3	16.1	16.5
USGS 07380335 - Little Lake Near Cutoff	11.7	13.7	14.3	19.1	23.6	27.8	29.1	29.9	28.5	24.0	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.2	14.7	15.7	20.2	24.5	28.1	29.1	29.8	28.4	23.9	16.6	17.3
HWQ14 - Lake Washington	10.5	14.1	16.1	20.2	24.6	28.2	29.3	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.5	15.1	16.5	20.1	24.6	28.2	29.6	30.2	28.8	24.8	18.7	18.5
CRMS 3985	9.8	13.2	14.9	19.4	23.7	27.4	28.3	28.7	27.9	23.0	15.3	16.1
CRMS 0258	8.9	12.7	13.8	18.6	22.7	26.5	27.6	27.8	26.7	22.5	15.0	16.0
CRMS 0224	9.6	12.5	13.5	18.4	23.0	27.1	28.3	28.9	27.8	23.1	15.7	16.5
CRMS 0163	8.5	8.8	11.1	15.7	21.4	26.7	28.7	28.8	27.2	22.0	15.8	12.4
CRMS 0162	9.4	9.8	12.5	16.5	21.9	26.5	28.8	28.5	27.5	22.9	18.2	15.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.4	-5.4	-5.2	-3.2	-1.5	0.5	-0.8	-1.7	-3.1	0.5	-5.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-4.7	-5.1	-4.7	-2.9	-1.6	-0.5	-1.1	-1.3	-1.8	-0.5	-2.5
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-1.7	-2.8	-2.1	-1.2	-0.5	-0.1	-0.1	-0.1	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.6	-2.6	-4.5	-2.7	-1.8	-0.9	-0.5	-0.3	-0.2	-0.4	-0.3	-0.5
USGS 07380335 - Little Lake Near Cutoff	-0.6	-1.4	-3.0	-1.6	-1.2	-0.5	-0.3	-0.1	0.0	-0.1	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.6	-0.5	-1.6	-0.7	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.3	-0.5	-0.8	-0.4	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.3	-0.1	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.3	-0.3	-1.2	-0.7	-0.5	-0.2	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-0.6	-1.2	-1.5	-1.0	-0.5	-0.1	0.2	-0.1	-0.1	-0.2	-0.1	-0.2
CRMS 0224	-1.1	-2.1	-2.9	-1.9	-1.1	-0.7	-0.3	-0.2	-0.1	-0.3	-0.1	-0.3
CRMS 0163	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1
CRMS 0162	0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1

Figure WQ TEMP 171 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.0	13.6	15.6	19.8	24.3	28.3	29.3	29.8	28.5	24.1	17.2	17.4
Barataria Waterway at Lafitte (USACE82875)	10.2	10.6	12.9	17.6	22.8	27.8	29.2	29.6	28.3	23.5	16.3	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.7	29.0	27.8	23.0	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	15.0	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	14.6	16.2	20.0	24.4	28.1	29.6	30.2	28.9	24.9	18.7	18.4
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	29.0	28.0	23.1	15.4	16.2
CRMS 0258	9.5	13.7	15.3	19.5	23.2	26.9	27.9	28.8	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	8.3	8.1	10.9	15.9	21.4	27.0	28.7	28.9	27.6	22.5	15.6	11.5
CRMS 0162	9.5	9.3	12.1	16.8	21.8	26.7	28.8	28.8	28.1	23.9	17.6	12.6

V3PR4 HYST - cy 4 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.8	27.9	27.5	26.2	19.9	14.8	9.9
CRMS0276 - Just east of Wilkinson Canal	11.9	14.0	16.2	20.0	24.4	28.3	29.3	29.8	28.5	24.1	17.1	17.3
Barataria Waterway at Lafitte (USACE82875)	10.3	10.9	13.1	17.8	22.9	27.9	29.2	29.6	28.3	23.5	16.3	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.6	10.6	15.3	21.0	25.9	27.1	27.6	26.4	21.2	13.9	11.6
USGS7380251 Barataria Bay North of Grand Isle	8.8	10.9	12.9	17.9	22.9	27.5	28.5	28.9	27.8	22.8	14.8	14.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	10.0	12.3	17.8	22.7	27.8	29.0	29.4	28.1	23.5	16.1	14.6
USGS 07380335 - Little Lake Near Cutoff	11.7	12.2	14.0	19.2	23.6	28.2	29.4	30.0	28.5	24.1	16.9	16.5
USGS073802516 Barataria Pass at Grand Isle	11.2	13.7	15.6	20.2	24.5	28.2	29.2	29.8	28.4	23.9	16.6	16.9
HWQ14 - Lake Washington	10.5	13.6	16.0	20.2	24.6	28.3	29.4	29.7	28.3	23.7	15.9	16.7
HWQ16 - Bayou Grand Liard	14.5	14.4	16.3	20.2	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.2
CRMS 3985	9.7	12.8	14.8	19.4	23.7	27.6	28.5	28.9	28.0	23.1	15.4	15.9
CRMS 0258	8.9	11.9	13.7	18.6	22.7	26.8	27.8	28.7	27.6	22.9	15.0	14.4
CRMS 0224	9.6	11.3	13.3	18.5	23.0	27.5	28.4	29.0	27.9	23.2	15.7	14.9
CRMS 0163	8.4	8.2	11.0	16.0	21.4	27.1	28.7	28.9	27.6	22.4	15.6	11.5
CRMS 0162	9.5	9.4	12.2	16.9	21.8	26.6	28.8	28.9	28.1	23.9	17.6	12.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.8	-5.4	-5.2	-3.2	-1.8	-0.5	-1.3	-1.5	-2.9	0.4	-5.7
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.4	0.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-6.3	-5.2	-4.6	-2.9	-1.7	-1.3	-1.2	-1.3	-1.7	-0.6	-4.3
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-2.8	-3.0	-2.0	-1.2	-0.2	-0.1	-0.1	-0.1	-0.2	-0.4	-1.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.7	-4.8	-4.6	-2.7	-1.8	-0.2	-0.1	-0.1	-0.2	-0.2	-0.3	-2.4
USGS 07380335 - Little Lake Near Cutoff	-0.6	-2.8	-3.3	-1.6	-1.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-1.1
USGS073802516 Barataria Pass at Grand Isle	-0.6	-1.5	-1.7	-0.6	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5
HWQ14 - Lake Washington	-0.3	-1.0	-0.9	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ16 - Bayou Grand Liard	-0.3	-0.2	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.3	-0.8	-1.3	-0.6	-0.5	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.3
CRMS 0258	-0.6	-1.8	-1.7	-0.9	-0.5	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-1.1
CRMS 0224	-1.2	-3.3	-3.2	-1.8	-1.1	-0.2	-0.2	-0.1	-0.1	-0.2	-0.1	-1.8
CRMS 0163	0.1	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1

Figure WQ TEMP 172 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.6	15.6	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.1	15.6
CRMS0276 - Just east of Wilkinson Canal	12.3	14.4	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	11.6	14.3	18.7	23.5	27.9	29.2	29.6	28.4	23.2	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.3	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.7	29.0	27.8	23.0	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.8	20.5	24.4	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.2	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	10.1	13.5	15.9	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.4	16.1
CRMS 0258	9.7	13.9	15.8	19.6	23.2	27.6	28.3	28.8	27.6	23.0	14.6	15.7
CRMS 0224	10.7	14.7	16.5	20.3	24.0	27.7	28.5	29.1	27.9	23.4	15.8	16.7
CRMS 0163	9.2	9.1	11.7	17.2	21.9	27.0	28.7	29.0	27.9	21.9	15.4	12.0
CRMS 0162	11.6	10.4	14.2	18.2	22.5	27.0	28.8	29.2	28.1	23.6	17.0	13.2

V3PR4 HYST - cy 4 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	7.2	10.5	15.0	20.2	25.5	27.8	27.6	26.3	19.7	14.7	10.5
CRMS0276 - Just east of Wilkinson Canal	12.2	14.5	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.7	11.8	14.4	18.8	23.6	27.9	29.2	29.6	28.3	23.2	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	9.3	12.7	17.6	21.5	25.9	27.1	27.6	26.4	21.2	13.8	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.4	12.5	15.1	19.4	23.5	27.6	28.6	28.9	27.7	22.8	14.7	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	12.4	15.7	20.0	23.6	27.9	29.0	29.4	28.0	23.5	16.0	16.6
USGS 07380335 - Little Lake Near Cutoff	12.3	14.1	17.0	20.5	24.4	28.3	29.4	30.0	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.7	14.5	17.0	20.7	24.7	28.2	29.2	29.7	28.4	23.9	16.6	17.3
HWQ14 - Lake Washington	10.7	14.1	16.7	20.5	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.0	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.8	18.5	18.4
CRMS 3985	10.0	13.3	15.9	19.9	23.9	27.6	28.6	28.9	28.0	23.0	15.3	16.1
CRMS 0258	9.5	12.9	15.6	19.4	23.0	27.5	28.2	28.7	27.6	22.9	14.5	15.5
CRMS 0224	10.5	13.0	16.0	20.0	23.6	27.6	28.4	29.0	27.8	23.2	15.7	16.5
CRMS 0163	9.2	9.2	11.6	17.2	22.0	27.0	28.7	29.0	27.9	21.8	15.4	11.9
CRMS 0162	11.7	10.4	14.3	18.1	22.3	27.0	28.8	29.2	28.2	23.5	17.0	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.4	-5.1	-4.8	-3.6	-2.1	-0.5	-1.2	-1.4	-3.1	0.6	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-4.6	-3.0	-2.3	-2.3	-1.7	-1.3	-1.2	-1.3	-1.7	-0.5	-2.3
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-1.2	-0.8	-0.6	-0.5	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.6	-2.4	-1.1	-0.5	-0.8	-0.1	-0.1	-0.1	-0.2	-0.2	-0.4	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.0	-0.3	-0.2	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.8	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.4	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.1	-0.2	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	-0.2	0.0	-0.1	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.0
CRMS 0258	-0.2	-1.0	-0.2	-0.2	-0.3	0.0	-0.1	-0.1	0.0	-0.1	-0.2	-0.2
CRMS 0224	-0.2	-1.7	-0.5	-0.3	-0.5	-0.1	-0.2	-0.1	-0.1	-0.2	-0.1	-0.3
CRMS 0163	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1
CRMS 0162	0.0	0.0	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1

Figure WQ TEMP 173 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.5	28.2	28.7	27.7	22.9	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	11.8	13.2	16.0	20.0	24.4	28.3	29.3	29.8	28.5	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	9.9	10.2	13.6	18.0	23.2	27.6	29.2	29.5	28.2	23.3	16.3	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.4	16.0
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	19.9	24.1	27.7	28.6	28.9	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.1	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.4	14.2	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.5	16.3
CRMS 0258	9.5	13.7	15.3	19.5	23.1	26.6	27.4	27.7	27.4	23.0	15.0	16.0
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.9	16.8
CRMS 0163	7.9	7.9	11.2	16.2	21.6	26.7	28.7	28.7	27.4	21.9	15.7	12.3
CRMS 0162	8.4	9.0	12.8	17.1	22.2	26.5	28.8	28.4	27.9	23.4	17.9	14.7

V3PR4 HYST - cy 4 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.6	20.6	26.0	28.5	27.8	26.1	19.7	14.8	10.6
CRMS0276 - Just east of Wilkinson Canal	11.5	13.7	16.4	20.1	24.5	28.3	29.3	29.8	28.5	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.0	10.5	13.8	18.2	23.3	27.7	29.2	29.5	28.2	23.3	16.3	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.5	10.8	15.5	21.1	26.0	27.9	27.7	26.4	21.2	13.9	13.6
USGS7380251 Barataria Bay North of Grand Isle	8.5	10.6	13.5	18.2	23.1	27.3	28.5	28.8	27.7	22.8	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.6	9.7	12.8	18.2	23.0	27.3	28.6	29.1	28.1	23.5	16.0	16.6
USGS 07380335 - Little Lake Near Cutoff	10.8	11.8	14.8	19.4	24.0	27.9	29.2	29.8	28.5	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	10.7	13.4	15.9	20.3	24.7	28.1	29.1	29.7	28.4	23.9	16.6	17.4
HWQ14 - Lake Washington	10.4	13.5	16.2	20.3	24.6	28.2	29.3	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	13.6	14.1	16.6	20.3	24.7	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.4	12.7	15.2	19.5	23.8	27.5	28.3	28.7	28.0	23.1	15.4	16.2
CRMS 0258	8.3	11.7	14.1	18.7	22.8	26.5	27.5	27.7	27.4	22.9	15.0	15.9
CRMS 0224	8.5	11.0	14.0	18.8	23.2	27.1	28.2	28.8	27.9	23.2	15.7	16.5
CRMS 0163	8.1	8.0	11.3	16.4	21.7	26.8	28.7	28.8	27.4	21.9	15.7	12.3
CRMS 0162	8.6	9.0	12.9	17.1	22.2	26.5	28.8	28.4	27.9	23.4	18.0	14.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.8	-6.9	-5.4	-5.2	-3.2	-1.5	0.3	-0.9	-1.6	-3.2	0.5	-5.2
CRMS0276 - Just east of Wilkinson Canal	-0.4	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.8	-6.5	-5.0	-4.3	-2.8	-1.6	-0.6	-1.1	-1.3	-1.7	-0.5	-2.4
USGS7380251 Barataria Bay North of Grand Isle	-1.2	-3.1	-2.4	-1.7	-1.0	-0.4	-0.1	-0.1	-0.1	-0.2	-0.4	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.9	-5.1	-4.1	-2.4	-1.4	-0.7	-0.5	-0.4	-0.1	-0.2	-0.4	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.3	-3.2	-2.5	-1.3	-0.8	-0.4	-0.2	-0.2	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-1.1	-1.8	-1.4	-0.6	-0.2	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.5	-1.1	-0.7	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.8	-0.2	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.6	-0.9	-0.9	-0.5	-0.3	-0.2	-0.4	-0.2	-0.1	-0.1	-0.1	0.0
CRMS 0258	-1.3	-2.0	-1.2	-0.8	-0.4	-0.1	0.1	-0.1	-0.1	-0.1	-0.1	-0.2
CRMS 0224	-2.2	-3.6	-2.5	-1.5	-0.9	-0.6	-0.3	-0.3	-0.1	-0.2	-0.1	-0.2
CRMS 0163	0.2	0.1	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 174 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.4	19.7	23.9	27.6	28.3	28.7	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.2	19.9	24.3	28.3	29.3	29.8	28.5	24.1	17.2	16.9
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.5	17.8	22.6	27.3	29.2	29.5	28.2	23.4	16.3	13.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	14.0	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.6	29.0	27.9	23.0	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.9	16.8	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.4	15.2	17.3	20.8	24.8	28.3	29.4	30.0	28.5	24.1	16.9	17.5
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.8	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.7	16.8	20.1	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.1	13.6	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.5	16.0
CRMS 0258	9.8	14.5	15.3	19.5	23.2	26.6	27.4	27.9	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.8	16.4	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	9.2	10.0	11.1	16.1	21.2	26.5	28.7	28.8	27.4	22.3	15.6	10.7
CRMS 0162	11.2	13.3	12.9	17.0	21.7	26.5	28.8	28.5	28.0	23.8	17.7	11.3

V3PR4 HYST - cy 4 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	7.8	10.2	14.6	20.7	26.1	28.6	27.7	26.1	19.8	14.8	9.2
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.4	20.1	24.4	28.3	29.3	29.8	28.5	24.1	17.1	17.0
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.7	18.0	22.7	27.4	29.2	29.5	28.2	23.4	16.3	13.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.4	10.9	15.4	21.0	26.1	27.9	27.6	26.4	21.2	13.9	9.9
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.5	13.6	18.1	22.9	27.2	28.5	28.9	27.8	22.8	14.8	13.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.5	13.0	18.0	22.7	27.1	28.7	29.4	28.1	23.5	16.0	12.3
USGS 07380335 - Little Lake Near Cutoff	12.3	15.2	15.0	19.4	23.6	27.7	29.2	29.9	28.5	24.1	16.9	14.8
USGS073802516 Barataria Pass at Grand Isle	11.7	15.3	16.2	20.3	24.6	28.1	29.1	29.8	28.4	23.9	16.6	15.9
HWQ14 - Lake Washington	10.7	14.5	16.4	20.2	24.6	28.1	29.3	29.7	28.3	23.7	15.9	16.3
HWQ16 - Bayou Grand Liard	14.9	15.6	16.8	20.3	24.6	28.2	29.6	30.2	28.9	24.9	18.7	17.6
CRMS 3985	10.0	13.5	15.0	19.5	23.7	27.4	28.4	28.8	28.0	23.1	15.4	15.0
CRMS 0258	9.6	14.3	14.1	18.7	22.7	26.5	27.5	27.8	27.6	22.9	14.9	13.6
CRMS 0224	10.5	14.5	14.0	18.7	23.0	27.0	28.3	29.0	27.9	23.2	15.7	13.5
CRMS 0163	9.2	9.9	11.2	16.2	21.3	26.5	28.7	28.8	27.4	22.1	15.6	10.8
CRMS 0162	11.2	13.2	13.0	17.1	21.7	26.5	28.8	28.5	28.0	23.9	17.8	11.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.0	-5.3	-5.2	-3.2	-1.5	0.3	-1.0	-1.6	-3.0	0.4	-6.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-2.6	-4.8	-4.5	-2.9	-1.6	-0.6	-1.2	-1.3	-1.7	-0.5	-6.0
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.3	-2.2	-1.9	-1.2	-0.5	-0.1	-0.1	-0.1	-0.2	-0.3	-2.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-0.3	-3.8	-2.5	-1.8	-0.9	-0.4	-0.1	-0.1	-0.2	-0.4	-4.8
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.1	-2.3	-1.4	-1.2	-0.6	-0.2	0.0	0.0	0.0	-0.1	-2.7
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.1	-0.6	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-1.6
HWQ14 - Lake Washington	-0.1	-0.1	-0.5	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.7
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
CRMS 3985	-0.1	-0.1	-0.9	-0.6	-0.5	-0.3	-0.3	-0.1	0.0	-0.1	-0.1	-1.0
CRMS 0258	-0.1	-0.2	-1.2	-0.8	-0.5	-0.1	0.2	-0.1	0.0	-0.1	-0.1	-1.8
CRMS 0224	-0.2	-0.3	-2.4	-1.6	-1.1	-0.7	-0.3	-0.1	-0.1	-0.2	-0.1	-3.2
CRMS 0163	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1

Figure WQ TEMP 175 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.9	27.6	28.3	28.7	27.6	22.8	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.3	15.8	19.7	24.3	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.3	13.2	17.1	22.7	27.5	29.2	29.5	28.1	23.2	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.6	29.0	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.3	15.1	17.3	20.7	24.8	28.3	29.4	30.0	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	15.3	16.5	19.9	24.4	28.2	29.6	30.2	28.8	24.9	18.8	18.6
CRMS 3985	10.0	13.5	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.4	16.3
CRMS 0258	9.5	13.9	15.3	19.5	23.2	26.6	27.4	27.9	26.8	22.6	15.0	16.1
CRMS 0224	10.7	14.7	16.5	20.3	24.1	27.7	28.6	29.1	27.9	23.4	15.9	16.8
CRMS 0163	8.5	8.7	11.0	15.6	21.4	26.7	28.7	28.8	27.2	21.9	15.8	12.5
CRMS 0162	9.3	9.9	12.3	16.5	21.9	26.6	28.8	28.5	27.5	22.8	18.1	15.1

V3PR5 HYST - cy 4 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	7.2	10.1	14.6	20.6	26.1	28.7	27.8	26.0	19.7	14.9	10.9
CRMS0276 - Just east of Wilkinson Canal	11.9	14.5	16.2	19.9	24.4	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.5	13.4	17.3	22.8	27.6	29.2	29.5	28.1	23.2	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	9.2	10.6	15.3	21.1	26.2	28.1	27.8	26.4	21.1	13.8	13.4
USGS7380251 Barataria Bay North of Grand Isle	8.8	12.0	13.1	17.8	22.9	27.2	28.5	28.8	27.7	22.7	14.7	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	12.2	12.5	17.8	22.7	27.2	28.7	29.3	28.0	23.3	16.0	16.6
USGS 07380335 - Little Lake Near Cutoff	11.7	13.8	14.3	19.1	23.6	27.8	29.2	29.9	28.5	24.0	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.2	14.7	15.7	20.2	24.6	28.1	29.1	29.8	28.4	23.9	16.6	17.3
HWQ14 - Lake Washington	10.5	14.0	16.1	20.2	24.6	28.2	29.3	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	14.5	15.1	16.5	20.1	24.5	28.2	29.6	30.2	28.8	24.9	18.7	18.5
CRMS 3985	9.8	13.2	14.8	19.3	23.7	27.4	28.3	28.7	27.9	23.0	15.3	16.1
CRMS 0258	9.0	12.8	13.9	18.6	22.7	26.6	27.6	27.8	26.7	22.5	15.0	16.0
CRMS 0224	9.7	12.6	13.6	18.5	23.0	27.1	28.3	28.9	27.8	23.1	15.7	16.5
CRMS 0163	8.5	8.7	11.1	15.7	21.4	26.7	28.7	28.7	27.2	21.9	15.8	12.4
CRMS 0162	9.4	9.8	12.4	16.5	21.8	26.5	28.8	28.5	27.5	23.1	18.1	15.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.4	-5.4	-5.2	-3.2	-1.5	0.4	-1.0	-1.7	-3.1	0.5	-4.8
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.2	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-4.7	-5.1	-4.6	-2.8	-1.5	-0.3	-1.0	-1.2	-1.8	-0.6	-2.5
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-1.7	-2.8	-2.2	-1.2	-0.5	-0.1	-0.1	-0.1	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.6	-2.6	-4.4	-2.7	-1.8	-0.8	-0.5	-0.3	-0.2	-0.4	-0.3	-0.5
USGS 07380335 - Little Lake Near Cutoff	-0.6	-1.3	-3.0	-1.6	-1.2	-0.5	-0.3	-0.1	0.0	-0.1	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.6	-0.6	-1.6	-0.7	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.3	-0.5	-0.8	-0.4	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.4	-0.1	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.3	-0.3	-1.2	-0.7	-0.5	-0.3	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-0.5	-1.1	-1.4	-0.9	-0.5	-0.1	0.2	-0.1	-0.1	-0.1	-0.1	-0.2
CRMS 0224	-1.0	-2.1	-2.8	-1.8	-1.1	-0.6	-0.3	-0.2	-0.1	-0.3	-0.1	-0.3
CRMS 0163	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 0162	0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.3	0.0	0.0

Figure WQ TEMP 176 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.0	13.6	15.6	19.8	24.3	28.3	29.3	29.8	28.5	24.1	17.2	17.4
Barataria Waterway at Lafitte (USACE82875)	10.2	10.6	12.9	17.6	22.8	27.8	29.2	29.6	28.3	23.5	16.3	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.7	29.0	27.8	23.0	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	15.0	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	14.6	16.2	20.0	24.4	28.1	29.6	30.2	28.9	24.9	18.7	18.4
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	29.0	28.0	23.1	15.4	16.2
CRMS 0258	9.5	13.7	15.3	19.5	23.2	26.9	27.9	28.8	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	8.3	8.1	10.9	15.9	21.4	27.0	28.7	28.9	27.6	22.5	15.6	11.5
CRMS 0162	9.5	9.3	12.1	16.8	21.8	26.7	28.8	28.8	28.1	23.9	17.6	12.6

V3PR5 HYST - cy 4 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.7	27.7	27.5	26.2	20.0	14.8	9.9
CRMS0276 - Just east of Wilkinson Canal	11.9	14.0	16.2	20.0	24.4	28.3	29.3	29.8	28.5	24.1	17.1	17.4
Barataria Waterway at Lafitte (USACE82875)	10.3	10.9	13.1	17.8	22.9	27.9	29.2	29.5	28.3	23.4	16.3	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.5	10.6	15.3	21.1	26.1	27.3	27.7	26.5	21.3	13.8	11.5
USGS7380251 Barataria Bay North of Grand Isle	8.8	10.7	12.8	17.8	22.9	27.5	28.5	28.9	27.7	22.8	14.8	14.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	10.0	12.3	17.9	22.7	27.8	29.0	29.4	28.1	23.5	16.0	14.6
USGS 07380335 - Little Lake Near Cutoff	11.7	12.3	14.1	19.2	23.6	28.2	29.4	29.9	28.5	24.1	16.9	16.5
USGS073802516 Barataria Pass at Grand Isle	11.2	13.7	15.6	20.2	24.5	28.2	29.2	29.8	28.4	23.9	16.6	16.9
HWQ14 - Lake Washington	10.5	13.6	16.0	20.2	24.6	28.3	29.4	29.7	28.3	23.7	15.9	16.7
HWQ16 - Bayou Grand Liard	14.5	14.4	16.3	20.2	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.2
CRMS 3985	9.7	12.8	14.7	19.3	23.7	27.6	28.5	28.9	28.0	23.1	15.4	15.8
CRMS 0258	8.9	11.9	13.7	18.6	22.7	26.8	27.8	28.7	27.6	22.9	15.0	14.5
CRMS 0224	9.6	11.4	13.4	18.6	23.0	27.5	28.4	29.0	27.9	23.2	15.7	15.0
CRMS 0163	8.4	8.2	11.0	16.0	21.4	27.0	28.7	28.8	27.6	22.4	15.6	11.5
CRMS 0162	9.5	9.4	12.2	16.9	21.8	26.7	28.8	28.8	28.1	23.9	17.6	12.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.8	-5.4	-5.2	-3.2	-1.9	-0.6	-1.3	-1.6	-2.8	0.5	-5.7
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.4	0.5	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.4	-6.4	-5.2	-4.6	-2.8	-1.5	-1.1	-1.1	-1.1	-1.6	-0.6	-4.4
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-3.0	-3.1	-2.1	-1.2	-0.2	-0.1	-0.1	-0.1	-0.2	-0.4	-1.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.7	-4.8	-4.6	-2.6	-1.8	-0.2	-0.1	-0.1	-0.2	-0.2	-0.3	-2.4
USGS 07380335 - Little Lake Near Cutoff	-0.6	-2.7	-3.2	-1.5	-1.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-1.1
USGS073802516 Barataria Pass at Grand Isle	-0.6	-1.6	-1.7	-0.7	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5
HWQ14 - Lake Washington	-0.3	-1.0	-0.9	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ16 - Bayou Grand Liard	-0.3	-0.2	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.3	-0.8	-1.5	-0.7	-0.5	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.3
CRMS 0258	-0.6	-1.8	-1.6	-0.9	-0.5	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-1.0
CRMS 0224	-1.1	-3.2	-3.1	-1.7	-1.1	-0.2	-0.2	-0.1	-0.1	-0.2	-0.1	-1.8
CRMS 0163	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1

Figure WQ TEMP 177 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.6	15.6	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.1	15.6
CRMS0276 - Just east of Wilkinson Canal	12.3	14.4	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	11.6	14.3	18.7	23.5	27.9	29.2	29.6	28.4	23.2	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.3	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.7	29.0	27.8	23.0	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.8	20.5	24.4	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.2	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	10.1	13.5	15.9	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.4	16.1
CRMS 0258	9.7	13.9	15.8	19.6	23.2	27.6	28.3	28.8	27.6	23.0	14.6	15.7
CRMS 0224	10.7	14.7	16.5	20.3	24.0	27.7	28.5	29.1	27.9	23.4	15.8	16.7
CRMS 0163	9.2	9.1	11.7	17.2	21.9	27.0	28.7	29.0	27.9	21.9	15.4	12.0
CRMS 0162	11.6	10.4	14.2	18.2	22.5	27.0	28.8	29.2	28.1	23.6	17.0	13.2

V3PR5 HYST - cy 4 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	7.3	10.5	15.1	20.3	25.3	27.6	27.4	26.2	19.7	14.7	10.7
CRMS0276 - Just east of Wilkinson Canal	12.2	14.5	16.7	20.4	24.6	28.3	29.3	29.8	28.5	24.1	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.7	11.8	14.4	18.8	23.6	27.9	29.2	29.6	28.3	23.2	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	9.2	12.6	17.6	21.6	26.2	27.3	27.7	26.5	21.2	13.8	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.4	12.5	15.1	19.4	23.5	27.6	28.5	28.9	27.7	22.8	14.7	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	12.4	15.7	20.0	23.6	27.9	29.0	29.4	28.1	23.5	16.0	16.6
USGS 07380335 - Little Lake Near Cutoff	12.3	14.1	17.1	20.6	24.4	28.3	29.4	30.0	28.5	24.1	16.8	17.5
USGS073802516 Barataria Pass at Grand Isle	11.7	14.5	17.0	20.7	24.7	28.2	29.2	29.8	28.4	23.9	16.6	17.3
HWQ14 - Lake Washington	10.7	14.1	16.7	20.5	24.7	28.3	29.4	29.7	28.3	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	15.0	15.0	17.3	20.4	24.6	28.2	29.6	30.2	28.9	24.9	18.5	18.4
CRMS 3985	10.0	13.3	15.9	19.9	23.9	27.6	28.6	28.9	28.0	23.1	15.3	16.1
CRMS 0258	9.5	12.9	15.6	19.4	23.0	27.5	28.2	28.7	27.6	22.9	14.5	15.5
CRMS 0224	10.5	13.1	16.0	20.0	23.6	27.6	28.4	29.0	27.8	23.2	15.7	16.5
CRMS 0163	9.2	9.1	11.6	17.1	22.0	27.0	28.6	29.0	27.9	21.8	15.4	11.9
CRMS 0162	11.6	10.4	14.4	18.1	22.4	26.9	28.8	29.2	28.2	23.5	17.0	13.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.3	-5.1	-4.7	-3.5	-2.3	-0.8	-1.4	-1.5	-3.2	0.5	-4.9
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-4.7	-3.1	-2.3	-2.2	-1.4	-1.1	-1.1	-1.1	-1.7	-0.6	-2.4
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-1.2	-0.9	-0.6	-0.5	-0.1	-0.1	-0.1	-0.1	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.6	-2.4	-1.1	-0.5	-0.8	-0.1	-0.1	-0.1	-0.2	-0.2	-0.4	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.0	-0.3	-0.2	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.8	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.5	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1
CRMS 3985	-0.1	-0.2	0.0	-0.1	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.0
CRMS 0258	-0.2	-0.9	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	0.0	-0.1	-0.2	-0.2
CRMS 0224	-0.2	-1.6	-0.5	-0.3	-0.4	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.3
CRMS 0163	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1
CRMS 0162	0.0	-0.1	0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1

Figure WQ TEMP 178 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.5	28.2	28.7	27.7	22.9	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	11.8	13.2	16.0	20.0	24.4	28.3	29.3	29.8	28.5	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	9.9	10.2	13.6	18.0	23.2	27.6	29.2	29.5	28.2	23.3	16.3	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.4	16.0
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	19.9	24.1	27.7	28.6	28.9	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.1	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.4	14.2	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.5	16.3
CRMS 0258	9.5	13.7	15.3	19.5	23.1	26.6	27.4	27.7	27.4	23.0	15.0	16.0
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.9	16.8
CRMS 0163	7.9	7.9	11.2	16.2	21.6	26.7	28.7	28.7	27.4	21.9	15.7	12.3
CRMS 0162	8.4	9.0	12.8	17.1	22.2	26.5	28.8	28.4	27.9	23.4	17.9	14.7

V3PR5 HYST - cy 4 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.5	26.0	28.4	27.7	26.1	19.8	14.9	11.0
CRMS0276 - Just east of Wilkinson Canal	11.5	13.7	16.4	20.1	24.5	28.3	29.3	29.8	28.5	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.0	10.5	13.8	18.2	23.3	27.7	29.2	29.5	28.2	23.2	16.3	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.4	10.7	15.5	21.1	26.1	28.1	27.8	26.6	21.2	13.8	13.5
USGS7380251 Barataria Bay North of Grand Isle	8.5	10.4	13.5	18.2	23.0	27.3	28.5	28.8	27.7	22.8	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.6	9.7	12.8	18.2	23.1	27.3	28.6	29.1	28.1	23.5	16.0	16.6
USGS 07380335 - Little Lake Near Cutoff	10.9	11.9	14.8	19.5	24.0	27.9	29.2	29.8	28.5	24.1	16.9	17.5
USGS073802516 Barataria Pass at Grand Isle	10.7	13.4	15.9	20.3	24.7	28.1	29.1	29.7	28.4	23.9	16.6	17.4
HWQ14 - Lake Washington	10.4	13.4	16.2	20.3	24.6	28.2	29.3	29.7	28.4	23.7	15.9	16.9
HWQ16 - Bayou Grand Liard	13.6	14.1	16.6	20.3	24.7	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.4	12.6	15.2	19.5	23.8	27.4	28.3	28.7	28.0	23.0	15.4	16.2
CRMS 0258	8.3	11.7	14.1	18.7	22.8	26.5	27.5	27.7	27.4	22.9	15.0	15.9
CRMS 0224	8.6	11.1	14.1	18.8	23.2	27.1	28.3	28.9	27.9	23.2	15.7	16.5
CRMS 0163	8.1	8.0	11.3	16.4	21.7	26.8	28.7	28.7	27.4	21.8	15.7	12.2
CRMS 0162	8.6	9.0	12.9	17.1	22.1	26.5	28.8	28.4	27.9	23.2	18.0	14.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.8	-6.9	-5.4	-5.2	-3.3	-1.6	0.2	-1.0	-1.6	-3.1	0.5	-4.8
CRMS0276 - Just east of Wilkinson Canal	-0.4	0.5	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.3	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.8	-6.5	-5.0	-4.4	-2.7	-1.5	-0.4	-1.0	-1.1	-1.6	-0.6	-2.4
USGS7380251 Barataria Bay North of Grand Isle	-1.2	-3.3	-2.4	-1.8	-1.0	-0.4	-0.1	-0.1	-0.1	-0.2	-0.4	-0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.9	-5.1	-4.1	-2.3	-1.4	-0.7	-0.4	-0.4	-0.1	-0.2	-0.3	-0.4
USGS 07380335 - Little Lake Near Cutoff	-1.3	-3.1	-2.5	-1.3	-0.8	-0.4	-0.2	-0.2	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-1.1	-1.8	-1.3	-0.6	-0.2	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.5	-1.1	-0.7	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.8	-0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.6	-1.0	-0.9	-0.5	-0.4	-0.2	-0.4	-0.2	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-1.2	-2.0	-1.2	-0.8	-0.4	-0.1	0.1	-0.1	0.0	-0.1	-0.1	-0.2
CRMS 0224	-2.1	-3.5	-2.4	-1.4	-0.8	-0.6	-0.3	-0.3	-0.1	-0.2	-0.1	-0.2
CRMS 0163	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	-0.1	0.0	-0.1
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ TEMP 179 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.4	19.7	23.9	27.6	28.3	28.7	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.2	19.9	24.3	28.3	29.3	29.8	28.5	24.1	17.2	16.9
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.5	17.8	22.6	27.3	29.2	29.5	28.2	23.4	16.3	13.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	14.0	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.6	29.0	27.9	23.0	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.9	16.8	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.4	15.2	17.3	20.8	24.8	28.3	29.4	30.0	28.5	24.1	16.9	17.5
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.8	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.7	16.8	20.1	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.1	13.6	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.5	16.0
CRMS 0258	9.8	14.5	15.3	19.5	23.2	26.6	27.4	27.9	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.8	16.4	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	9.2	10.0	11.1	16.1	21.2	26.5	28.7	28.8	27.4	22.3	15.6	10.7
CRMS 0162	11.2	13.3	12.9	17.0	21.7	26.5	28.8	28.5	28.0	23.8	17.7	11.3

V3PR5 HYST - cy 4 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	7.9	10.2	14.6	20.6	26.1	28.5	27.7	26.2	19.9	14.9	9.2
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.4	20.1	24.4	28.3	29.3	29.8	28.5	24.1	17.1	17.0
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.7	18.0	22.7	27.4	29.2	29.5	28.2	23.4	16.3	13.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	11.4	10.9	15.4	21.1	26.1	28.1	27.7	26.6	21.3	13.8	9.8
USGS7380251 Barataria Bay North of Grand Isle	9.4	13.5	13.5	18.0	22.8	27.2	28.5	28.9	27.8	22.8	14.7	13.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	14.5	13.0	18.0	22.7	27.2	28.7	29.4	28.1	23.5	16.0	12.3
USGS 07380335 - Little Lake Near Cutoff	12.3	15.2	15.0	19.4	23.6	27.7	29.2	30.0	28.5	24.1	16.9	14.9
USGS073802516 Barataria Pass at Grand Isle	11.7	15.3	16.2	20.3	24.6	28.1	29.1	29.8	28.4	23.9	16.6	15.9
HWQ14 - Lake Washington	10.7	14.5	16.4	20.2	24.6	28.1	29.3	29.7	28.4	23.7	15.9	16.3
HWQ16 - Bayou Grand Liard	14.9	15.6	16.8	20.3	24.6	28.2	29.6	30.2	28.9	24.9	18.6	17.6
CRMS 3985	10.0	13.5	15.0	19.4	23.6	27.4	28.4	28.8	28.0	23.1	15.4	14.9
CRMS 0258	9.6	14.3	14.1	18.7	22.7	26.6	27.5	27.8	27.6	22.9	14.9	13.7
CRMS 0224	10.6	14.5	14.1	18.7	23.0	27.1	28.3	29.0	27.9	23.2	15.7	13.6
CRMS 0163	9.2	9.8	11.2	16.2	21.3	26.5	28.7	28.8	27.4	22.1	15.6	10.8
CRMS 0162	11.1	13.2	12.9	17.0	21.7	26.4	28.8	28.5	28.0	23.9	17.8	11.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.0	-5.2	-5.2	-3.2	-1.5	0.2	-1.1	-1.6	-2.9	0.5	-6.3
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.7	-2.6	-4.8	-4.5	-2.8	-1.5	-0.4	-1.1	-1.1	-1.6	-0.6	-6.1
USGS7380251 Barataria Bay North of Grand Isle	-0.4	-0.3	-2.3	-1.9	-1.3	-0.5	-0.1	-0.1	-0.1	-0.2	-0.4	-2.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-0.3	-3.8	-2.5	-1.8	-0.9	-0.4	-0.1	-0.1	-0.2	-0.4	-4.7
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.1	-2.3	-1.4	-1.2	-0.6	-0.2	0.0	0.0	0.0	-0.1	-2.6
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.1	-0.6	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-1.6
HWQ14 - Lake Washington	-0.1	-0.1	-0.5	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.7
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
CRMS 3985	-0.1	-0.1	-1.0	-0.6	-0.5	-0.3	-0.3	-0.2	-0.1	-0.1	-0.1	-1.1
CRMS 0258	-0.1	-0.2	-1.2	-0.8	-0.5	-0.1	0.2	-0.1	0.0	-0.1	-0.1	-1.8
CRMS 0224	-0.2	-0.3	-2.3	-1.5	-1.1	-0.7	-0.3	-0.1	-0.1	-0.2	-0.1	-3.1
CRMS 0163	0.0	-0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	0.1

Figure WQ TEMP 180 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.9	27.6	28.3	28.7	27.6	22.8	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.3	15.8	19.7	24.3	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.3	13.2	17.1	22.7	27.5	29.2	29.5	28.1	23.2	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.6	29.0	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.3	15.1	17.3	20.7	24.8	28.3	29.4	30.0	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	15.3	16.5	19.9	24.4	28.2	29.6	30.2	28.8	24.9	18.8	18.6
CRMS 3985	10.0	13.5	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.4	16.3
CRMS 0258	9.5	13.9	15.3	19.5	23.2	26.6	27.4	27.9	26.8	22.6	15.0	16.1
CRMS 0224	10.7	14.7	16.5	20.3	24.1	27.7	28.6	29.1	27.9	23.4	15.9	16.8
CRMS 0163	8.5	8.7	11.0	15.6	21.4	26.7	28.7	28.8	27.2	21.9	15.8	12.5
CRMS 0162	9.3	9.9	12.3	16.5	21.9	26.6	28.8	28.5	27.5	22.8	18.1	15.1

V3PR6 HYST - cy 4 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.3	10.1	14.6	20.7	26.1	28.9	28.2	26.3	19.9	15.1	10.9
CRMS0276 - Just east of Wilkinson Canal	11.9	14.5	16.0	19.8	24.2	28.2	29.2	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.6	13.7	17.4	22.9	27.7	29.2	29.5	28.1	23.3	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	7.0	9.2	10.4	14.9	20.9	26.2	28.6	28.1	26.7	21.5	13.9	14.0
USGS7380251 Barataria Bay North of Grand Isle	8.1	10.6	11.4	16.1	21.7	26.5	28.3	28.6	27.4	22.4	14.6	15.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.5	10.5	11.1	16.0	21.6	26.5	28.6	28.9	27.6	22.6	15.7	15.9
USGS 07380335 - Little Lake Near Cutoff	10.4	12.1	12.2	17.3	22.4	27.1	28.9	29.7	28.4	23.7	16.6	17.3
USGS073802516 Barataria Pass at Grand Isle	10.5	13.9	14.2	19.4	24.1	27.9	29.1	29.7	28.3	23.9	16.6	17.3
HWQ14 - Lake Washington	10.4	13.7	15.3	19.7	24.2	28.0	29.1	29.7	28.4	23.6	15.8	16.8
HWQ16 - Bayou Grand Liard	14.2	14.9	15.5	19.7	24.3	28.2	29.5	30.2	28.8	24.8	18.7	18.5
CRMS 3985	9.3	12.3	13.1	18.0	22.9	27.0	28.3	28.7	27.9	22.9	15.3	16.1
CRMS 0258	8.7	11.8	12.6	17.4	22.3	26.5	27.8	27.8	26.6	22.4	14.9	15.9
CRMS 0224	9.0	11.3	11.9	16.8	22.1	26.6	28.1	28.7	27.6	22.8	15.6	16.4
CRMS 0163	8.6	8.8	11.2	15.7	21.5	26.8	28.7	28.8	27.2	22.0	15.8	12.4
CRMS 0162	9.4	9.8	12.5	16.4	21.8	26.5	28.8	28.5	27.6	23.2	18.1	15.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.3	-5.4	-5.2	-3.2	-1.5	0.6	-0.6	-1.4	-2.9	0.7	-4.8
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.2	0.3	0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.2	0.5	0.3	0.2	0.2	0.0	0.1	0.0	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-4.7	-5.3	-5.0	-3.0	-1.4	0.1	-0.7	-1.0	-1.4	-0.5	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-1.6	-3.1	-4.5	-3.9	-2.4	-1.2	-0.3	-0.4	-0.4	-0.5	-0.5	-0.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.0	-4.3	-5.8	-4.5	-2.9	-1.6	-0.6	-0.7	-0.6	-1.1	-0.6	-1.1
USGS 07380335 - Little Lake Near Cutoff	-1.8	-3.0	-5.0	-3.5	-2.4	-1.2	-0.6	-0.2	-0.1	-0.4	-0.4	-0.4
USGS073802516 Barataria Pass at Grand Isle	-1.2	-1.3	-3.0	-1.5	-0.8	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2
HWQ14 - Lake Washington	-0.4	-0.9	-1.6	-0.9	-0.6	-0.3	-0.3	0.0	0.0	-0.1	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.6	-0.4	-1.0	-0.3	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1	-0.1
CRMS 3985	-0.8	-1.2	-2.9	-2.0	-1.2	-0.7	-0.4	-0.3	-0.1	-0.2	-0.2	-0.2
CRMS 0258	-0.8	-2.1	-2.7	-2.1	-0.9	-0.1	0.4	-0.1	-0.2	-0.2	-0.2	-0.3
CRMS 0224	-1.7	-3.3	-4.5	-3.5	-2.0	-1.1	-0.5	-0.4	-0.3	-0.5	-0.2	-0.4
CRMS 0163	0.1	0.1	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.1	0.0	-0.1
CRMS 0162	0.1	-0.1	0.2	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.4	0.1	0.0

Figure WQ TEMP 181 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.0	13.6	15.6	19.8	24.3	28.3	29.3	29.8	28.5	24.1	17.2	17.4
Barataria Waterway at Lafitte (USACE82875)	10.2	10.6	12.9	17.6	22.8	27.8	29.2	29.6	28.3	23.5	16.3	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.7	29.0	27.8	23.0	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	15.0	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	14.6	16.2	20.0	24.4	28.1	29.6	30.2	28.9	24.9	18.7	18.4
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	29.0	28.0	23.1	15.4	16.2
CRMS 0258	9.5	13.7	15.3	19.5	23.2	26.9	27.9	28.8	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	8.3	8.1	10.9	15.9	21.4	27.0	28.7	28.9	27.6	22.5	15.6	11.5
CRMS 0162	9.5	9.3	12.1	16.8	21.8	26.7	28.8	28.8	28.1	23.9	17.6	12.6

V3PR6 HYST - cy 4 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.0	28.2	27.9	26.6	20.2	15.0	9.9
CRMS0276 - Just east of Wilkinson Canal	11.9	13.4	15.9	20.0	24.2	28.3	29.3	29.8	28.5	24.1	17.2	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	11.2	13.4	18.0	23.0	27.9	29.2	29.6	28.3	23.5	16.3	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	6.9	7.2	10.4	15.0	20.9	26.3	27.3	27.5	26.8	21.7	13.9	11.6
USGS7380251 Barataria Bay North of Grand Isle	8.1	8.6	11.2	16.2	21.7	27.3	28.3	28.7	27.6	22.6	14.6	13.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.4	8.1	11.0	16.0	21.6	27.4	28.7	29.1	27.8	23.1	15.7	13.0
USGS 07380335 - Little Lake Near Cutoff	10.3	9.7	12.1	17.4	22.4	28.1	29.3	29.9	28.5	24.0	16.5	14.9
USGS073802516 Barataria Pass at Grand Isle	10.6	12.0	14.0	19.5	24.1	28.1	29.2	29.8	28.4	23.9	16.5	16.2
HWQ14 - Lake Washington	10.4	12.7	15.0	19.7	24.2	28.2	29.4	29.7	28.3	23.7	15.8	16.4
HWQ16 - Bayou Grand Liard	14.3	13.6	15.2	19.8	24.4	28.1	29.6	30.2	28.9	24.9	18.6	18.0
CRMS 3985	9.2	11.0	12.8	18.1	22.9	27.5	28.5	28.8	28.0	23.0	15.3	15.1
CRMS 0258	8.6	10.3	12.4	17.5	22.3	26.7	27.7	28.7	27.6	22.8	14.9	13.9
CRMS 0224	8.9	9.3	11.7	16.9	22.1	27.3	28.2	28.9	27.7	23.1	15.6	13.9
CRMS 0163	8.5	8.4	11.1	16.2	21.5	27.1	28.7	28.8	27.6	22.5	15.7	11.6
CRMS 0162	9.6	9.4	12.3	16.9	21.8	26.6	28.8	28.9	28.2	24.0	17.7	12.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.8	-5.4	-5.2	-3.2	-1.6	-0.2	-0.9	-1.2	-2.6	0.6	-5.6
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.1	0.3	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.1	0.6	0.4	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.2	-6.8	-5.4	-4.9	-3.0	-1.3	-1.1	-1.3	-0.9	-1.2	-0.5	-4.3
USGS7380251 Barataria Bay North of Grand Isle	-1.6	-5.1	-4.7	-3.8	-2.4	-0.4	-0.3	-0.3	-0.3	-0.4	-0.6	-2.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.1	-6.7	-5.9	-4.5	-2.9	-0.6	-0.4	-0.5	-0.4	-0.7	-0.7	-4.0
USGS 07380335 - Little Lake Near Cutoff	-2.0	-5.3	-5.2	-3.4	-2.4	-0.2	-0.1	-0.1	-0.1	-0.2	-0.4	-2.7
USGS073802516 Barataria Pass at Grand Isle	-1.2	-3.2	-3.2	-1.4	-0.8	-0.1	0.0	0.0	-0.1	-0.1	-0.1	-1.2
HWQ14 - Lake Washington	-0.4	-1.8	-1.9	-0.8	-0.6	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.6
HWQ16 - Bayou Grand Liard	-0.6	-1.1	-1.0	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.2	-0.5
CRMS 3985	-0.9	-2.6	-3.3	-1.9	-1.3	-0.2	-0.2	-0.1	0.0	-0.1	-0.1	-1.1
CRMS 0258	-0.9	-3.4	-2.9	-2.0	-0.9	-0.2	-0.2	-0.1	-0.1	-0.1	-0.2	-1.7
CRMS 0224	-1.8	-5.3	-4.7	-3.4	-2.0	-0.5	-0.3	-0.3	-0.3	-0.3	-0.2	-2.8
CRMS 0163	0.1	0.3	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
CRMS 0162	0.1	0.1	0.2	0.1	-0.1	-0.1	0.0	0.1	0.0	0.1	0.0	-0.1

Figure WQ TEMP 182 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.6	15.6	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.1	15.6
CRMS0276 - Just east of Wilkinson Canal	12.3	14.4	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	11.6	14.3	18.7	23.5	27.9	29.2	29.6	28.4	23.2	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.3	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.7	29.0	27.8	23.0	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.8	20.5	24.4	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.2	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	10.1	13.5	15.9	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.4	16.1
CRMS 0258	9.7	13.9	15.8	19.6	23.2	27.6	28.3	28.8	27.6	23.0	14.6	15.7
CRMS 0224	10.7	14.7	16.5	20.3	24.0	27.7	28.5	29.1	27.9	23.4	15.8	16.7
CRMS 0163	9.2	9.1	11.7	17.2	21.9	27.0	28.7	29.0	27.9	21.9	15.4	12.0
CRMS 0162	11.6	10.4	14.2	18.2	22.5	27.0	28.8	29.2	28.1	23.6	17.0	13.2

V3PR6 HYST - cy 4 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	7.2	10.5	15.3	20.5	25.7	28.1	27.8	26.6	20.0	14.9	10.7
CRMS0276 - Just east of Wilkinson Canal	12.2	14.4	16.8	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.7	11.8	14.3	18.8	23.6	27.9	29.2	29.6	28.3	23.2	16.2	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.0	9.1	13.1	17.9	21.7	26.3	27.2	27.5	26.8	21.7	13.9	14.2
USGS7380251 Barataria Bay North of Grand Isle	9.1	11.2	14.4	19.0	22.9	27.4	28.4	28.7	27.6	22.6	14.4	15.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.7	14.8	19.4	22.7	27.6	28.6	29.1	27.8	23.0	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	11.9	12.7	16.3	20.2	23.8	28.2	29.3	29.9	28.5	24.0	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	11.6	13.7	16.7	20.6	24.6	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.7	13.8	16.6	20.4	24.7	28.3	29.4	29.7	28.3	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	15.0	14.7	17.3	20.3	24.6	28.1	29.6	30.2	28.9	24.8	18.5	18.4
CRMS 3985	9.9	12.9	15.5	19.8	23.7	27.6	28.6	28.9	28.0	23.0	15.2	16.0
CRMS 0258	9.5	12.3	15.3	19.2	22.8	27.5	28.1	28.7	27.6	22.8	14.3	15.3
CRMS 0224	10.3	11.8	15.4	19.6	23.2	27.4	28.2	28.9	27.7	23.1	15.6	16.4
CRMS 0163	9.2	9.2	11.6	17.1	22.0	27.0	28.7	29.0	27.9	21.8	15.4	11.9
CRMS 0162	11.7	10.4	14.2	17.9	22.3	26.9	28.8	29.2	28.2	23.6	17.0	13.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-6.4	-5.1	-4.5	-3.2	-1.8	-0.2	-0.9	-1.1	-2.8	0.7	-4.9
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-4.7	-2.6	-2.0	-2.1	-1.3	-1.1	-1.3	-0.9	-1.2	-0.4	-1.7
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-2.5	-1.6	-0.9	-1.2	-0.3	-0.3	-0.3	-0.3	-0.4	-0.6	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.2	-4.1	-2.0	-1.1	-1.8	-0.4	-0.4	-0.5	-0.5	-0.7	-0.7	-0.9
USGS 07380335 - Little Lake Near Cutoff	-0.6	-2.4	-1.0	-0.5	-1.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4	-0.3
USGS073802516 Barataria Pass at Grand Isle	-0.2	-1.6	-0.5	-0.3	-0.2	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.2
HWQ14 - Lake Washington	-0.2	-0.8	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1
HWQ16 - Bayou Grand Liard	-0.2	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1
CRMS 3985	-0.2	-0.6	-0.4	-0.2	-0.5	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1
CRMS 0258	-0.2	-1.6	-0.5	-0.4	-0.4	-0.1	-0.2	-0.1	-0.1	-0.1	-0.3	-0.4
CRMS 0224	-0.5	-2.9	-1.0	-0.6	-0.9	-0.3	-0.3	-0.2	-0.3	-0.3	-0.2	-0.4
CRMS 0163	0.0	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1
CRMS 0162	0.1	0.0	-0.1	-0.3	-0.1	-0.1	0.1	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 183 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.5	28.2	28.7	27.7	22.9	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	11.8	13.2	16.0	20.0	24.4	28.3	29.3	29.8	28.5	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	9.9	10.2	13.6	18.0	23.2	27.6	29.2	29.5	28.2	23.3	16.3	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.4	16.0
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	19.9	24.1	27.7	28.6	28.9	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.1	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.4	14.2	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.5	16.3
CRMS 0258	9.5	13.7	15.3	19.5	23.1	26.6	27.4	27.7	27.4	23.0	15.0	16.0
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.9	16.8
CRMS 0163	7.9	7.9	11.2	16.2	21.6	26.7	28.7	28.7	27.4	21.9	15.7	12.3
CRMS 0162	8.4	9.0	12.8	17.1	22.2	26.5	28.8	28.4	27.9	23.4	17.9	14.7

V3PR6 HYST - cy 4 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.6	20.6	26.1	28.8	28.1	26.4	20.0	15.0	10.9
CRMS0276 - Just east of Wilkinson Canal	11.0	13.2	16.3	20.1	24.5	28.2	29.2	29.7	28.5	24.1	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	10.8	14.0	18.4	23.3	27.8	29.2	29.5	28.2	23.3	16.3	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.1	10.4	15.1	21.0	26.2	28.5	28.0	26.8	21.7	13.9	14.1
USGS7380251 Barataria Bay North of Grand Isle	7.4	8.2	11.8	16.7	22.0	26.7	28.3	28.5	27.5	22.6	14.5	15.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.0	8.0	11.3	16.4	21.8	26.5	28.5	28.7	27.8	23.1	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	8.8	9.3	12.8	17.8	22.9	27.3	28.9	29.5	28.5	24.0	16.6	17.3
USGS073802516 Barataria Pass at Grand Isle	9.5	11.6	14.6	19.7	24.4	28.0	29.1	29.6	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.1	12.4	15.6	19.9	24.4	28.0	29.2	29.6	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	12.9	13.0	15.9	19.9	24.5	28.2	29.6	30.1	28.9	24.9	18.7	18.5
CRMS 3985	8.5	10.6	13.7	18.5	23.2	27.1	28.2	28.6	27.9	23.0	15.3	16.1
CRMS 0258	7.7	10.0	13.0	17.9	22.5	26.4	27.6	27.6	27.3	22.8	14.9	15.8
CRMS 0224	7.6	9.0	12.4	17.4	22.4	26.7	28.1	28.6	27.7	23.1	15.6	16.4
CRMS 0163	8.3	8.1	11.4	16.6	21.8	26.9	28.7	28.8	27.4	21.9	15.7	12.2
CRMS 0162	8.6	9.0	12.8	17.2	22.1	26.5	28.8	28.4	27.9	23.4	18.0	14.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.8	-6.9	-5.4	-5.2	-3.2	-1.5	0.6	-0.6	-1.3	-2.9	0.6	-4.9
CRMS0276 - Just east of Wilkinson Canal	-0.8	-0.1	0.3	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.3	0.6	0.4	0.4	0.2	0.2	0.0	0.1	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.8	-6.8	-5.3	-4.7	-2.8	-1.4	0.1	-0.8	-0.9	-1.2	-0.5	-1.8
USGS7380251 Barataria Bay North of Grand Isle	-2.3	-5.5	-4.1	-3.2	-2.0	-1.0	-0.3	-0.4	-0.3	-0.4	-0.6	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.5	-6.8	-5.6	-4.1	-2.7	-1.5	-0.6	-0.8	-0.4	-0.6	-0.7	-0.9
USGS 07380335 - Little Lake Near Cutoff	-3.3	-5.6	-4.5	-2.9	-2.0	-1.0	-0.5	-0.4	-0.1	-0.1	-0.4	-0.3
USGS073802516 Barataria Pass at Grand Isle	-2.2	-3.7	-2.6	-1.2	-0.5	-0.2	-0.1	-0.2	0.0	0.0	-0.1	-0.2
HWQ14 - Lake Washington	-0.7	-2.2	-1.3	-0.7	-0.3	-0.2	-0.2	-0.1	0.0	-0.1	-0.2	-0.1
HWQ16 - Bayou Grand Liard	-1.6	-1.2	-0.7	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-1.5	-3.0	-2.4	-1.5	-1.0	-0.6	-0.5	-0.4	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-1.8	-3.7	-2.3	-1.6	-0.6	-0.1	0.2	-0.1	-0.1	-0.1	-0.2	-0.2
CRMS 0224	-3.1	-5.6	-4.1	-2.9	-1.6	-1.0	-0.5	-0.5	-0.3	-0.3	-0.2	-0.3
CRMS 0163	0.4	0.2	0.2	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0	-0.2
CRMS 0162	0.2	0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1	0.0	0.1

Figure WQ TEMP 184 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.4	19.7	23.9	27.6	28.3	28.7	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.2	19.9	24.3	28.3	29.3	29.8	28.5	24.1	17.2	16.9
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.5	17.8	22.6	27.3	29.2	29.5	28.2	23.4	16.3	13.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	14.0	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.6	29.0	27.9	23.0	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.9	16.8	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.4	15.2	17.3	20.8	24.8	28.3	29.4	30.0	28.5	24.1	16.9	17.5
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.8	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.7	16.8	20.1	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.1	13.6	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.5	16.0
CRMS 0258	9.8	14.5	15.3	19.5	23.2	26.6	27.4	27.9	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.8	16.4	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	9.2	10.0	11.1	16.1	21.2	26.5	28.7	28.8	27.4	22.3	15.6	10.7
CRMS 0162	11.2	13.3	12.9	17.0	21.7	26.5	28.8	28.5	28.0	23.8	17.7	11.3

V3PR6 HYST - cy 4 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	8.1	10.2	14.6	20.7	26.1	28.8	28.1	26.5	20.2	15.0	9.1
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.2	20.1	24.2	28.2	29.2	29.8	28.5	24.1	17.1	16.4
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.8	18.2	22.8	27.5	29.2	29.5	28.2	23.4	16.3	14.0
USGS2928590900040000 Barataria Waterway South of Lafitte	7.9	12.0	10.7	15.0	20.9	26.2	28.5	27.9	26.8	21.7	13.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	9.2	13.3	11.9	16.4	21.7	26.5	28.3	28.7	27.6	22.6	14.6	11.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	15.8	14.8	20.8	27.0	34.0	35.0	35.0	35.0	35.0	34.9	31.7
USGS 07380335 - Little Lake Near Cutoff	11.9	15.1	13.1	17.6	22.4	27.1	28.9	29.9	28.5	24.0	16.6	12.2
USGS073802516 Barataria Pass at Grand Isle	11.6	15.2	15.0	19.6	24.1	27.9	29.1	29.8	28.4	23.9	16.5	14.3
HWQ14 - Lake Washington	10.7	14.4	15.7	19.8	24.2	27.9	29.2	29.7	28.3	23.7	15.8	15.5
HWQ16 - Bayou Grand Liard	14.9	15.6	16.3	19.9	24.3	28.2	29.6	30.2	28.9	24.9	18.6	16.7
CRMS 3985	9.9	13.5	13.5	18.4	22.9	27.0	28.2	28.7	28.0	23.0	15.3	13.2
CRMS 0258	9.6	14.2	13.1	17.7	22.3	26.5	27.6	27.7	27.6	22.8	14.8	12.4
CRMS 0224	10.4	14.4	12.6	17.1	22.1	26.6	28.1	28.9	27.7	23.1	15.6	11.7
CRMS 0163	9.2	9.8	11.3	16.4	21.3	26.6	28.7	28.7	27.4	22.2	15.6	11.0
CRMS 0162	11.2	13.3	13.0	17.0	21.7	26.4	28.8	28.5	28.0	23.9	17.9	11.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-5.8	-5.3	-5.2	-3.2	-1.5	0.5	-0.7	-1.3	-2.7	0.6	-6.5
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.5
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.5
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.2	-2.0	-4.9	-4.9	-3.0	-1.5	0.1	-0.9	-0.9	-1.2	-0.5	-6.4
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-0.5	-3.9	-3.6	-2.5	-1.2	-0.3	-0.3	-0.3	-0.4	-0.5	-4.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	0.9	-2.0	0.3	2.5	5.9	5.9	5.4	6.8	11.3	18.5	14.6
USGS 07380335 - Little Lake Near Cutoff	-0.5	-0.2	-4.2	-3.1	-2.4	-1.2	-0.5	-0.1	-0.1	-0.1	-0.4	-5.3
USGS073802516 Barataria Pass at Grand Isle	-0.2	-0.1	-2.2	-1.2	-0.8	-0.3	-0.2	0.0	-0.1	0.0	-0.1	-3.1
HWQ14 - Lake Washington	-0.1	-0.1	-1.1	-0.7	-0.6	-0.3	-0.2	0.0	0.0	-0.1	-0.2	-1.4
HWQ16 - Bayou Grand Liard	-0.2	-0.1	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	-1.3
CRMS 3985	-0.2	-0.1	-2.4	-1.7	-1.3	-0.7	-0.4	-0.2	0.0	-0.1	-0.1	-2.8
CRMS 0258	-0.2	-0.3	-2.1	-1.8	-0.9	-0.1	0.3	-0.2	0.0	-0.1	-0.2	-3.0
CRMS 0224	-0.4	-0.4	-3.8	-3.1	-2.0	-1.2	-0.5	-0.3	-0.3	-0.3	-0.2	-5.0
CRMS 0163	0.0	-0.2	0.1	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2
CRMS 0162	0.0	0.0	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1	0.1	0.1

Figure WQ TEMP 185 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.9	27.6	28.3	28.7	27.6	22.8	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.3	15.8	19.7	24.3	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.3	13.2	17.1	22.7	27.5	29.2	29.5	28.1	23.2	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.6	29.0	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.3	15.1	17.3	20.7	24.8	28.3	29.4	30.0	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	15.3	16.5	19.9	24.4	28.2	29.6	30.2	28.8	24.9	18.8	18.6
CRMS 3985	10.0	13.5	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.4	16.3
CRMS 0258	9.5	13.9	15.3	19.5	23.2	26.6	27.4	27.9	26.8	22.6	15.0	16.1
CRMS 0224	10.7	14.7	16.5	20.3	24.1	27.7	28.6	29.1	27.9	23.4	15.9	16.8
CRMS 0163	8.5	8.7	11.0	15.6	21.4	26.7	28.7	28.8	27.2	21.9	15.8	12.5
CRMS 0162	9.3	9.9	12.3	16.5	21.9	26.6	28.8	28.5	27.5	22.8	18.1	15.1

V3PR7 HYST - cy 4 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	7.3	10.1	14.6	20.7	26.1	28.9	28.1	26.3	19.9	15.1	11.0
CRMS0276 - Just east of Wilkinson Canal	11.9	14.5	16.0	19.8	24.2	28.2	29.2	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.4	11.6	13.7	17.5	22.9	27.7	29.2	29.6	28.1	23.3	16.3	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	9.2	10.5	15.0	21.0	26.2	28.4	28.0	26.6	21.4	14.0	13.6
USGS7380251 Barataria Bay North of Grand Isle	8.1	10.6	11.4	16.1	21.7	26.6	28.3	28.6	27.4	22.4	14.6	15.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.5	10.5	11.0	15.9	21.5	26.5	28.5	28.9	27.6	22.7	15.7	16.0
USGS 07380335 - Little Lake Near Cutoff	10.5	12.1	12.2	17.2	22.4	27.1	28.9	29.7	28.4	23.7	16.6	17.3
USGS073802516 Barataria Pass at Grand Isle	10.6	13.9	14.2	19.4	24.1	27.9	29.1	29.7	28.3	23.9	16.6	17.3
HWQ14 - Lake Washington	10.4	13.7	15.3	19.7	24.2	28.0	29.2	29.7	28.4	23.6	15.8	16.8
HWQ16 - Bayou Grand Liard	14.2	14.8	15.5	19.7	24.3	28.2	29.6	30.2	28.8	24.8	18.7	18.5
CRMS 3985	9.3	12.4	13.3	18.1	23.0	27.0	28.3	28.7	27.9	22.9	15.3	16.1
CRMS 0258	8.6	11.7	12.6	17.4	22.3	26.5	27.8	27.8	26.6	22.4	14.9	15.9
CRMS 0224	8.9	11.2	11.9	16.8	22.1	26.6	28.2	28.7	27.6	22.8	15.6	16.3
CRMS 0163	8.6	8.8	11.2	15.8	21.5	26.8	28.8	28.8	27.2	22.0	15.8	12.4
CRMS 0162	9.5	9.8	12.5	16.4	21.8	26.5	28.8	28.5	27.5	23.1	18.1	15.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.3	-5.4	-5.2	-3.2	-1.5	0.6	-0.6	-1.4	-2.8	0.7	-4.8
CRMS0276 - Just east of Wilkinson Canal	-0.2	0.2	0.3	0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.5	0.3	0.3	0.2	0.0	0.1	0.0	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.9	-4.7	-5.2	-4.9	-2.9	-1.4	-0.1	-0.8	-1.1	-1.5	-0.4	-2.3
USGS7380251 Barataria Bay North of Grand Isle	-1.6	-3.1	-4.5	-3.8	-2.4	-1.1	-0.3	-0.4	-0.4	-0.5	-0.6	-0.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.0	-4.3	-5.9	-4.6	-3.0	-1.6	-0.6	-0.7	-0.6	-1.1	-0.6	-1.1
USGS 07380335 - Little Lake Near Cutoff	-1.8	-3.0	-5.1	-3.5	-2.4	-1.2	-0.6	-0.2	-0.1	-0.4	-0.4	-0.4
USGS073802516 Barataria Pass at Grand Isle	-1.2	-1.3	-3.1	-1.5	-0.8	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2
HWQ14 - Lake Washington	-0.4	-0.9	-1.6	-0.9	-0.5	-0.3	-0.3	0.0	0.0	-0.1	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.6	-0.4	-1.0	-0.3	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.7	-1.1	-2.8	-1.9	-1.2	-0.6	-0.3	-0.3	-0.1	-0.2	-0.2	-0.2
CRMS 0258	-0.9	-2.2	-2.7	-2.1	-0.9	-0.1	0.4	-0.1	-0.2	-0.2	-0.2	-0.3
CRMS 0224	-1.8	-3.4	-4.6	-3.5	-2.0	-1.1	-0.4	-0.4	-0.4	-0.6	-0.2	-0.4
CRMS 0163	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	-0.1	-0.1
CRMS 0162	0.2	-0.1	0.1	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.3	0.0	-0.1

Figure WQ TEMP 186 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.0	13.6	15.6	19.8	24.3	28.3	29.3	29.8	28.5	24.1	17.2	17.4
Barataria Waterway at Lafitte (USACE82875)	10.2	10.6	12.9	17.6	22.8	27.8	29.2	29.6	28.3	23.5	16.3	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.7	29.0	27.8	23.0	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	15.0	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	14.6	16.2	20.0	24.4	28.1	29.6	30.2	28.9	24.9	18.7	18.4
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	29.0	28.0	23.1	15.4	16.2
CRMS 0258	9.5	13.7	15.3	19.5	23.2	26.9	27.9	28.8	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	8.3	8.1	10.9	15.9	21.4	27.0	28.7	28.9	27.6	22.5	15.6	11.5
CRMS 0162	9.5	9.3	12.1	16.8	21.8	26.7	28.8	28.8	28.1	23.9	17.6	12.6

V3PR7 HYST - cy 4 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.0	28.2	27.9	26.6	20.2	14.8	9.9
CRMS0276 - Just east of Wilkinson Canal	11.9	13.4	15.9	20.0	24.2	28.3	29.3	29.8	28.5	24.1	17.1	17.1
Barataria Waterway at Lafitte (USACE82875)	10.3	11.2	13.4	18.0	23.0	27.9	29.2	29.6	28.3	23.5	16.3	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	7.0	7.3	10.4	15.1	21.0	26.3	27.3	27.6	26.7	21.5	14.0	11.7
USGS7380251 Barataria Bay North of Grand Isle	8.1	8.7	11.3	16.2	21.7	27.3	28.3	28.7	27.6	22.6	14.6	13.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.4	8.1	11.0	16.0	21.5	27.5	28.7	29.1	27.8	23.0	15.7	13.0
USGS 07380335 - Little Lake Near Cutoff	10.3	9.7	12.0	17.3	22.4	28.1	29.3	29.9	28.5	24.0	16.5	14.9
USGS073802516 Barataria Pass at Grand Isle	10.6	12.0	14.0	19.5	24.1	28.1	29.2	29.8	28.4	23.9	16.5	16.2
HWQ14 - Lake Washington	10.4	12.7	15.1	19.7	24.2	28.2	29.4	29.7	28.3	23.7	15.8	16.4
HWQ16 - Bayou Grand Liard	14.3	13.5	15.2	19.7	24.3	28.1	29.6	30.2	28.9	24.9	18.6	17.9
CRMS 3985	9.2	11.2	13.0	18.2	23.0	27.5	28.5	28.8	28.0	23.0	15.3	15.1
CRMS 0258	8.6	10.3	12.3	17.5	22.3	26.7	27.7	28.7	27.6	22.8	14.9	13.8
CRMS 0224	8.9	9.2	11.7	16.9	22.1	27.2	28.2	28.9	27.7	23.1	15.6	13.8
CRMS 0163	8.5	8.4	11.1	16.2	21.5	27.1	28.7	28.9	27.6	22.4	15.7	11.5
CRMS 0162	9.6	9.4	12.2	16.9	21.8	26.6	28.8	28.9	28.2	23.9	17.6	12.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.8	-5.4	-5.2	-3.2	-1.6	-0.2	-0.9	-1.2	-2.6	0.5	-5.7
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.1	0.2	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.1	0.6	0.5	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-6.6	-5.3	-4.8	-2.9	-1.3	-1.1	-1.2	-1.0	-1.3	-0.4	-4.2
USGS7380251 Barataria Bay North of Grand Isle	-1.7	-5.1	-4.7	-3.7	-2.4	-0.4	-0.3	-0.3	-0.3	-0.4	-0.5	-2.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.0	-6.7	-5.9	-4.5	-3.0	-0.6	-0.4	-0.5	-0.5	-0.7	-0.7	-4.0
USGS 07380335 - Little Lake Near Cutoff	-2.0	-5.3	-5.2	-3.4	-2.4	-0.2	-0.1	-0.1	-0.1	-0.2	-0.4	-2.7
USGS073802516 Barataria Pass at Grand Isle	-1.2	-3.2	-3.3	-1.4	-0.8	-0.1	0.0	0.0	-0.1	-0.1	-0.2	-1.2
HWQ14 - Lake Washington	-0.4	-1.8	-1.8	-0.8	-0.5	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.6
HWQ16 - Bayou Grand Liard	-0.6	-1.1	-1.0	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.2	-0.5
CRMS 3985	-0.9	-2.4	-3.1	-1.8	-1.2	-0.2	-0.2	-0.1	0.0	-0.1	-0.1	-1.0
CRMS 0258	-0.9	-3.4	-3.0	-2.0	-0.9	-0.2	-0.2	-0.1	-0.1	-0.1	-0.2	-1.7
CRMS 0224	-1.9	-5.4	-4.8	-3.4	-2.0	-0.5	-0.3	-0.3	-0.3	-0.3	-0.2	-2.9
CRMS 0163	0.1	0.3	0.1	0.3	0.1	0.1	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0162	0.1	0.1	0.1	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ TEMP 187 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.6	15.6	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.1	15.6
CRMS0276 - Just east of Wilkinson Canal	12.3	14.4	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	11.6	14.3	18.7	23.5	27.9	29.2	29.6	28.4	23.2	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.3	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.7	29.0	27.8	23.0	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.8	20.5	24.4	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.2	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	10.1	13.5	15.9	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.4	16.1
CRMS 0258	9.7	13.9	15.8	19.6	23.2	27.6	28.3	28.8	27.6	23.0	14.6	15.7
CRMS 0224	10.7	14.7	16.5	20.3	24.0	27.7	28.5	29.1	27.9	23.4	15.8	16.7
CRMS 0163	9.2	9.1	11.7	17.2	21.9	27.0	28.7	29.0	27.9	21.9	15.4	12.0
CRMS 0162	11.6	10.4	14.2	18.2	22.5	27.0	28.8	29.2	28.1	23.6	17.0	13.2

V3PR7 HYST - cy 4 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	7.3	10.6	15.4	20.5	25.7	28.1	27.8	26.6	20.0	14.8	10.9
CRMS0276 - Just east of Wilkinson Canal	12.2	14.3	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.0	17.5
Barataria Waterway at Lafitte (USACE82875)	10.7	11.9	14.4	18.9	23.6	27.9	29.2	29.6	28.4	23.2	16.2	14.8
USGS2928590900040000 Barataria Waterway South of Lafitte	7.8	9.3	13.0	17.8	21.8	26.2	27.2	27.5	26.7	21.5	14.0	13.8
USGS7380251 Barataria Bay North of Grand Isle	9.1	11.2	14.4	19.0	22.9	27.4	28.4	28.7	27.5	22.6	14.5	15.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	10.7	14.9	19.5	22.7	27.6	28.6	29.1	27.8	23.1	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	11.8	12.6	16.3	20.2	23.8	28.2	29.3	29.9	28.5	24.0	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	11.6	13.7	16.7	20.6	24.6	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.7	13.8	16.6	20.4	24.7	28.3	29.4	29.7	28.3	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	14.9	14.7	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.5	18.4
CRMS 3985	9.9	12.9	15.5	19.8	23.7	27.6	28.6	28.9	28.0	23.0	15.3	16.0
CRMS 0258	9.5	12.2	15.3	19.2	22.8	27.5	28.1	28.7	27.6	22.8	14.3	15.3
CRMS 0224	10.3	11.7	15.4	19.6	23.1	27.4	28.2	28.9	27.7	23.1	15.6	16.3
CRMS 0163	9.2	9.2	11.6	17.1	22.0	27.0	28.7	28.9	27.9	21.8	15.4	11.9
CRMS 0162	11.7	10.4	14.2	18.0	22.3	27.0	28.8	29.2	28.2	23.6	17.0	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-6.3	-5.0	-4.5	-3.2	-1.8	-0.2	-1.0	-1.1	-2.8	0.7	-4.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-4.6	-2.7	-2.1	-2.0	-1.4	-1.2	-1.3	-1.0	-1.4	-0.4	-2.1
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-2.5	-1.6	-0.9	-1.2	-0.3	-0.3	-0.3	-0.3	-0.4	-0.6	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.2	-4.1	-1.9	-1.0	-1.7	-0.4	-0.4	-0.5	-0.5	-0.7	-0.6	-0.8
USGS 07380335 - Little Lake Near Cutoff	-0.6	-2.5	-1.0	-0.5	-1.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.4	-0.3
USGS073802516 Barataria Pass at Grand Isle	-0.2	-1.6	-0.5	-0.3	-0.2	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.2
HWQ14 - Lake Washington	-0.2	-0.8	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1
HWQ16 - Bayou Grand Liard	-0.2	-0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1
CRMS 3985	-0.2	-0.6	-0.4	-0.2	-0.4	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1
CRMS 0258	-0.2	-1.7	-0.5	-0.4	-0.4	-0.1	-0.2	-0.1	-0.1	-0.1	-0.3	-0.4
CRMS 0224	-0.5	-2.9	-1.1	-0.6	-0.9	-0.3	-0.3	-0.3	-0.3	-0.3	-0.2	-0.4
CRMS 0163	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.1
CRMS 0162	0.0	0.0	0.0	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2

Figure WQ TEMP 188 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.5	28.2	28.7	27.7	22.9	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	11.8	13.2	16.0	20.0	24.4	28.3	29.3	29.8	28.5	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	9.9	10.2	13.6	18.0	23.2	27.6	29.2	29.5	28.2	23.3	16.3	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.4	16.0
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	19.9	24.1	27.7	28.6	28.9	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.1	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.4	14.2	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.5	16.3
CRMS 0258	9.5	13.7	15.3	19.5	23.1	26.6	27.4	27.7	27.4	23.0	15.0	16.0
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.9	16.8
CRMS 0163	7.9	7.9	11.2	16.2	21.6	26.7	28.7	28.7	27.4	21.9	15.7	12.3
CRMS 0162	8.4	9.0	12.8	17.1	22.2	26.5	28.8	28.4	27.9	23.4	17.9	14.7

V3PR7 HYST - cy 4 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.5	20.6	26.1	28.7	28.0	26.5	20.0	14.9	10.9
CRMS0276 - Just east of Wilkinson Canal	11.0	13.1	16.3	20.1	24.5	28.2	29.2	29.7	28.5	24.0	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.2	10.8	14.1	18.4	23.4	27.8	29.2	29.5	28.2	23.3	16.3	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	7.2	10.7	15.3	21.1	26.2	28.2	28.0	26.7	21.5	14.0	13.8
USGS7380251 Barataria Bay North of Grand Isle	7.4	8.3	11.8	16.7	22.0	26.7	28.3	28.5	27.5	22.6	14.6	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.9	7.9	11.2	16.4	21.8	26.5	28.5	28.7	27.8	23.1	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	8.8	9.3	12.7	17.8	22.9	27.3	28.9	29.5	28.5	24.0	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	9.5	11.5	14.6	19.7	24.3	28.0	29.1	29.6	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.1	12.4	15.6	19.9	24.4	28.1	29.2	29.6	28.4	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	12.9	13.0	15.9	19.9	24.5	28.2	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	8.5	10.8	13.8	18.6	23.2	27.1	28.2	28.6	28.0	23.0	15.3	16.1
CRMS 0258	7.7	9.9	13.0	17.8	22.5	26.5	27.6	27.6	27.3	22.8	14.9	15.8
CRMS 0224	7.6	8.9	12.3	17.3	22.4	26.7	28.1	28.6	27.7	23.1	15.6	16.4
CRMS 0163	8.4	8.1	11.4	16.6	21.7	26.9	28.7	28.8	27.4	21.9	15.7	12.2
CRMS 0162	8.6	9.0	12.9	17.1	22.1	26.5	28.8	28.4	27.9	23.4	18.1	14.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.8	-6.9	-5.4	-5.2	-3.2	-1.5	0.5	-0.6	-1.2	-2.9	0.5	-4.8
CRMS0276 - Just east of Wilkinson Canal	-0.8	-0.1	0.3	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.3	0.6	0.5	0.4	0.2	0.2	0.0	0.1	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.6	-6.7	-5.0	-4.5	-2.7	-1.4	-0.2	-0.8	-1.0	-1.4	-0.4	-2.2
USGS7380251 Barataria Bay North of Grand Isle	-2.3	-5.4	-4.1	-3.2	-2.0	-1.0	-0.3	-0.4	-0.3	-0.4	-0.6	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.5	-6.9	-5.7	-4.2	-2.7	-1.5	-0.6	-0.8	-0.4	-0.7	-0.7	-0.8
USGS 07380335 - Little Lake Near Cutoff	-3.3	-5.7	-4.6	-3.0	-2.0	-1.0	-0.5	-0.4	-0.1	-0.1	-0.4	-0.3
USGS073802516 Barataria Pass at Grand Isle	-2.2	-3.7	-2.6	-1.2	-0.5	-0.2	-0.1	-0.2	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.7	-2.2	-1.3	-0.6	-0.3	-0.2	-0.2	-0.1	0.0	-0.1	-0.2	-0.1
HWQ16 - Bayou Grand Liard	-1.5	-1.2	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1
CRMS 3985	-1.5	-2.8	-2.3	-1.4	-0.9	-0.6	-0.5	-0.3	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-1.8	-3.8	-2.3	-1.7	-0.6	-0.1	0.3	-0.1	-0.1	-0.1	-0.2	-0.3
CRMS 0224	-3.2	-5.7	-4.2	-2.9	-1.7	-1.1	-0.5	-0.5	-0.3	-0.3	-0.2	-0.4
CRMS 0163	0.5	0.2	0.2	0.4	0.2	0.2	0.0	0.1	0.0	0.0	0.0	-0.1
CRMS 0162	0.2	0.1	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.1	0.0

Figure WQ TEMP 189 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.4	19.7	23.9	27.6	28.3	28.7	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.2	19.9	24.3	28.3	29.3	29.8	28.5	24.1	17.2	16.9
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.5	17.8	22.6	27.3	29.2	29.5	28.2	23.4	16.3	13.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	14.0	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.6	29.0	27.9	23.0	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.9	16.8	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.4	15.2	17.3	20.8	24.8	28.3	29.4	30.0	28.5	24.1	16.9	17.5
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.8	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.7	16.8	20.1	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.1	13.6	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.5	16.0
CRMS 0258	9.8	14.5	15.3	19.5	23.2	26.6	27.4	27.9	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.8	16.4	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	9.2	10.0	11.1	16.1	21.2	26.5	28.7	28.8	27.4	22.3	15.6	10.7
CRMS 0162	11.2	13.3	12.9	17.0	21.7	26.5	28.8	28.5	28.0	23.8	17.7	11.3

V3PR7 HYST - cy 4 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	8.2	10.2	14.6	20.7	26.1	28.8	28.1	26.5	20.2	14.8	9.1
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.2	20.1	24.2	28.2	29.2	29.8	28.5	24.1	17.2	16.4
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.9	18.3	22.9	27.5	29.2	29.5	28.2	23.4	16.3	14.1
USGS2928590900040000 Barataria Waterway South of Lafitte	7.8	11.6	10.9	15.1	21.0	26.1	28.3	27.9	26.7	21.5	14.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	9.2	13.3	12.0	16.4	21.7	26.5	28.3	28.7	27.6	22.6	14.6	11.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.2	11.6	16.1	21.5	26.4	28.6	29.1	27.8	23.1	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	11.9	15.1	13.1	17.6	22.4	27.0	28.9	29.9	28.5	24.0	16.6	12.1
USGS073802516 Barataria Pass at Grand Isle	11.6	15.2	15.0	19.6	24.1	27.9	29.1	29.8	28.4	23.9	16.5	14.3
HWQ14 - Lake Washington	10.7	14.4	15.8	19.9	24.2	27.9	29.2	29.7	28.3	23.7	15.8	15.6
HWQ16 - Bayou Grand Liard	14.9	15.6	16.3	19.9	24.3	28.2	29.6	30.2	28.9	24.9	18.6	16.7
CRMS 3985	9.9	13.5	13.6	18.4	22.9	27.0	28.3	28.7	28.0	23.0	15.3	13.3
CRMS 0258	9.6	14.2	13.1	17.7	22.3	26.5	27.7	27.7	27.6	22.8	14.8	12.4
CRMS 0224	10.3	14.4	12.6	17.1	22.0	26.6	28.1	28.9	27.7	23.1	15.6	11.6
CRMS 0163	9.2	9.8	11.3	16.4	21.3	26.6	28.8	28.7	27.4	22.2	15.6	11.0
CRMS 0162	11.2	13.1	13.0	17.0	21.6	26.4	28.8	28.5	28.0	23.9	17.8	11.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-5.6	-5.3	-5.2	-3.2	-1.5	0.5	-0.7	-1.2	-2.7	0.5	-6.5
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.5
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.4	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.6
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-2.4	-4.8	-4.7	-2.9	-1.5	-0.2	-0.9	-1.0	-1.3	-0.4	-6.1
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-0.5	-3.9	-3.5	-2.4	-1.2	-0.3	-0.3	-0.3	-0.4	-0.5	-4.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.9	-0.6	-5.3	-4.4	-3.0	-1.6	-0.5	-0.5	-0.4	-0.6	-0.7	-6.6
USGS 07380335 - Little Lake Near Cutoff	-0.6	-0.2	-4.2	-3.2	-2.5	-1.3	-0.5	-0.1	-0.1	-0.1	-0.4	-5.4
USGS073802516 Barataria Pass at Grand Isle	-0.2	-0.1	-2.2	-1.3	-0.8	-0.3	-0.2	0.0	-0.1	0.0	-0.1	-3.2
HWQ14 - Lake Washington	-0.1	-0.1	-1.1	-0.7	-0.5	-0.3	-0.2	0.0	0.0	-0.1	-0.2	-1.4
HWQ16 - Bayou Grand Liard	-0.2	-0.1	-0.6	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	-1.3
CRMS 3985	-0.2	-0.1	-2.3	-1.6	-1.2	-0.7	-0.3	-0.2	0.0	-0.1	-0.1	-2.7
CRMS 0258	-0.2	-0.3	-2.2	-1.8	-0.9	-0.1	0.3	-0.2	0.0	-0.1	-0.2	-3.1
CRMS 0224	-0.4	-0.4	-3.9	-3.2	-2.1	-1.2	-0.4	-0.3	-0.3	-0.3	-0.3	-5.1
CRMS 0163	0.0	-0.1	0.1	0.3	0.1	0.1	0.0	0.0	0.0	-0.1	0.0	0.2
CRMS 0162	0.0	-0.1	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1	0.1	0.1

Figure WQ TEMP 190 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.9	27.6	28.3	28.7	27.6	22.8	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.3	15.8	19.7	24.3	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.3	13.2	17.1	22.7	27.5	29.2	29.5	28.1	23.2	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.6	29.0	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.3	15.1	17.3	20.7	24.8	28.3	29.4	30.0	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	15.3	16.5	19.9	24.4	28.2	29.6	30.2	28.8	24.9	18.8	18.6
CRMS 3985	10.0	13.5	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.4	16.3
CRMS 0258	9.5	13.9	15.3	19.5	23.2	26.6	27.4	27.9	26.8	22.6	15.0	16.1
CRMS 0224	10.7	14.7	16.5	20.3	24.1	27.7	28.6	29.1	27.9	23.4	15.9	16.8
CRMS 0163	8.5	8.7	11.0	15.6	21.4	26.7	28.7	28.8	27.2	21.9	15.8	12.5
CRMS 0162	9.3	9.9	12.3	16.5	21.9	26.6	28.8	28.5	27.5	22.8	18.1	15.1

V3PR8 HYST - cy 4 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	7.3	10.1	14.6	20.7	26.1	28.9	28.2	26.3	19.9	15.1	11.0
CRMS0276 - Just east of Wilkinson Canal	12.0	14.6	16.1	19.9	24.2	28.2	29.2	29.8	28.5	24.1	17.2	17.8
Barataria Waterway at Lafitte (USACE82875)	10.7	12.4	14.6	18.3	23.5	28.1	29.3	29.7	28.2	23.6	16.4	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	9.4	10.4	14.9	20.9	26.2	28.4	27.8	26.6	21.4	13.8	14.0
USGS7380251 Barataria Bay North of Grand Isle	8.2	10.6	11.5	16.2	21.8	26.6	28.3	28.6	27.4	22.4	14.6	15.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.4	10.5	11.0	15.9	21.5	26.5	28.5	28.9	27.6	22.6	15.7	16.0
USGS 07380335 - Little Lake Near Cutoff	10.4	12.1	12.2	17.2	22.4	27.1	28.8	29.7	28.4	23.7	16.6	17.3
USGS073802516 Barataria Pass at Grand Isle	10.6	14.0	14.4	19.5	24.1	28.0	29.1	29.7	28.3	23.8	16.5	17.3
HWQ14 - Lake Washington	10.3	13.5	15.1	19.5	24.1	27.9	29.1	29.7	28.3	23.6	15.8	16.8
HWQ16 - Bayou Grand Liard	14.2	14.9	15.5	19.7	24.3	28.2	29.5	30.2	28.8	24.8	18.7	18.5
CRMS 3985	9.3	12.4	13.3	18.2	23.0	27.1	28.3	28.7	27.9	22.9	15.3	16.1
CRMS 0258	8.6	11.6	12.4	17.2	22.2	26.5	27.8	27.8	26.6	22.4	14.9	15.9
CRMS 0224	8.9	11.2	11.8	16.6	22.0	26.6	28.2	28.7	27.6	22.8	15.6	16.3
CRMS 0163	8.7	8.9	11.3	15.7	21.5	26.8	28.7	28.7	27.2	22.0	15.8	12.4
CRMS 0162	9.5	9.8	12.6	16.4	21.8	26.5	28.8	28.5	27.6	23.1	18.1	15.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.3	-5.4	-5.2	-3.2	-1.5	0.6	-0.5	-1.4	-2.9	0.7	-4.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.4	0.3	0.3	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.4	1.1	1.4	1.1	0.8	0.5	0.1	0.2	0.2	0.4	0.1	0.7
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.9	-4.5	-5.3	-5.0	-3.0	-1.5	0.0	-1.0	-1.0	-1.4	-0.6	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-1.5	-3.1	-4.4	-3.7	-2.3	-1.1	-0.3	-0.4	-0.3	-0.5	-0.5	-0.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.1	-4.3	-5.9	-4.6	-3.0	-1.6	-0.6	-0.7	-0.6	-1.1	-0.7	-1.1
USGS 07380335 - Little Lake Near Cutoff	-1.8	-3.0	-5.1	-3.5	-2.4	-1.2	-0.6	-0.3	-0.1	-0.4	-0.4	-0.4
USGS073802516 Barataria Pass at Grand Isle	-1.2	-1.3	-2.9	-1.4	-0.7	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2
HWQ14 - Lake Washington	-0.5	-1.0	-1.8	-1.0	-0.7	-0.4	-0.3	-0.1	0.0	-0.1	-0.2	-0.2
HWQ16 - Bayou Grand Liard	-0.6	-0.4	-0.9	-0.3	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1	-0.1
CRMS 3985	-0.7	-1.1	-2.8	-1.8	-1.1	-0.6	-0.4	-0.3	-0.1	-0.2	-0.2	-0.2
CRMS 0258	-0.8	-2.2	-2.9	-2.3	-1.0	-0.1	0.5	-0.1	-0.2	-0.2	-0.2	-0.3
CRMS 0224	-1.9	-3.5	-4.7	-3.6	-2.1	-1.2	-0.4	-0.4	-0.4	-0.6	-0.3	-0.5
CRMS 0163	0.2	0.2	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.1	-0.1	-0.1
CRMS 0162	0.2	-0.1	0.2	-0.1	-0.1	0.0	0.0	0.0	0.1	0.3	0.0	-0.1

Figure WQ TEMP 191 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.0	13.6	15.6	19.8	24.3	28.3	29.3	29.8	28.5	24.1	17.2	17.4
Barataria Waterway at Lafitte (USACE82875)	10.2	10.6	12.9	17.6	22.8	27.8	29.2	29.6	28.3	23.5	16.3	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.7	29.0	27.8	23.0	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	15.0	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	14.6	16.2	20.0	24.4	28.1	29.6	30.2	28.9	24.9	18.7	18.4
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	29.0	28.0	23.1	15.4	16.2
CRMS 0258	9.5	13.7	15.3	19.5	23.2	26.9	27.9	28.8	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	8.3	8.1	10.9	15.9	21.4	27.0	28.7	28.9	27.6	22.5	15.6	11.5
CRMS 0162	9.5	9.3	12.1	16.8	21.8	26.7	28.8	28.8	28.1	23.9	17.6	12.6

V3PR8 HYST - cy 4 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.8	10.1	14.6	20.7	26.0	28.2	27.9	26.6	20.2	14.8	9.8
CRMS0276 - Just east of Wilkinson Canal	12.0	13.5	15.9	20.0	24.2	28.3	29.3	29.8	28.5	24.1	17.2	17.2
Barataria Waterway at Lafitte (USACE82875)	10.6	12.1	14.3	18.9	23.6	28.2	29.3	29.7	28.4	23.7	16.4	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.1	7.2	10.4	15.0	20.9	26.3	27.0	27.4	26.7	21.6	13.8	11.8
USGS7380251 Barataria Bay North of Grand Isle	8.1	8.7	11.3	16.3	21.8	27.3	28.3	28.7	27.6	22.6	14.6	13.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.4	8.1	11.0	16.0	21.5	27.4	28.7	29.1	27.8	23.0	15.7	13.0
USGS 07380335 - Little Lake Near Cutoff	10.3	9.7	12.1	17.3	22.4	28.1	29.3	29.9	28.4	24.0	16.5	14.9
USGS073802516 Barataria Pass at Grand Isle	10.5	12.1	14.1	19.5	24.1	28.1	29.2	29.8	28.4	23.9	16.5	16.2
HWQ14 - Lake Washington	10.3	12.5	14.9	19.6	24.1	28.2	29.3	29.7	28.3	23.7	15.8	16.3
HWQ16 - Bayou Grand Liard	14.2	13.6	15.2	19.8	24.3	28.1	29.6	30.2	28.9	24.9	18.6	17.9
CRMS 3985	9.2	11.2	13.0	18.3	23.0	27.5	28.5	28.8	28.0	23.0	15.3	15.2
CRMS 0258	8.6	10.1	12.1	17.3	22.2	26.7	27.7	28.7	27.6	22.8	14.9	13.8
CRMS 0224	8.8	9.1	11.6	16.8	22.0	27.2	28.2	28.9	27.6	23.0	15.6	13.7
CRMS 0163	8.6	8.5	11.2	16.2	21.5	27.0	28.6	28.8	27.6	22.3	15.6	11.6
CRMS 0162	9.6	9.3	12.3	16.9	21.8	26.6	28.8	28.9	28.2	23.9	17.6	12.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.8	-5.4	-5.2	-3.2	-1.6	-0.1	-0.9	-1.1	-2.6	0.4	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.2	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	-0.2
Barataria Waterway at Lafitte (USACE82875)	0.4	1.5	1.4	1.3	0.8	0.3	0.1	0.2	0.1	0.2	0.1	1.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-6.7	-5.4	-4.9	-3.0	-1.3	-1.4	-1.4	-1.0	-1.3	-0.6	-4.1
USGS7380251 Barataria Bay North of Grand Isle	-1.6	-5.0	-4.6	-3.7	-2.3	-0.4	-0.3	-0.3	-0.3	-0.4	-0.5	-2.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.1	-6.7	-5.9	-4.5	-3.0	-0.6	-0.4	-0.5	-0.5	-0.7	-0.7	-4.1
USGS 07380335 - Little Lake Near Cutoff	-2.0	-5.3	-5.2	-3.4	-2.4	-0.2	-0.1	-0.1	-0.1	-0.2	-0.4	-2.7
USGS073802516 Barataria Pass at Grand Isle	-1.2	-3.1	-3.1	-1.3	-0.7	-0.1	0.0	0.0	-0.1	-0.1	-0.2	-1.2
HWQ14 - Lake Washington	-0.5	-2.0	-2.0	-1.0	-0.7	-0.1	-0.1	0.0	0.0	-0.1	-0.2	-0.7
HWQ16 - Bayou Grand Liard	-0.6	-1.0	-1.0	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	-0.5
CRMS 3985	-0.8	-2.4	-3.1	-1.7	-1.1	-0.2	-0.2	-0.1	0.0	-0.1	-0.1	-1.0
CRMS 0258	-0.9	-3.6	-3.2	-2.3	-1.0	-0.2	-0.2	-0.1	0.0	-0.1	-0.2	-1.7
CRMS 0224	-1.9	-5.5	-4.9	-3.5	-2.1	-0.5	-0.3	-0.2	-0.3	-0.3	-0.3	-3.0
CRMS 0163	0.3	0.4	0.2	0.3	0.1	0.0	0.0	-0.1	0.0	-0.2	0.0	0.2
CRMS 0162	0.1	0.0	0.2	0.1	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	-0.2

Figure WQ TEMP 192 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.6	15.6	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.1	15.6
CRMS0276 - Just east of Wilkinson Canal	12.3	14.4	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	11.6	14.3	18.7	23.5	27.9	29.2	29.6	28.4	23.2	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.3	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.7	29.0	27.8	23.0	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.8	20.5	24.4	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.2	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	10.1	13.5	15.9	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.4	16.1
CRMS 0258	9.7	13.9	15.8	19.6	23.2	27.6	28.3	28.8	27.6	23.0	14.6	15.7
CRMS 0224	10.7	14.7	16.5	20.3	24.0	27.7	28.5	29.1	27.9	23.4	15.8	16.7
CRMS 0163	9.2	9.1	11.7	17.2	21.9	27.0	28.7	29.0	27.9	21.9	15.4	12.0
CRMS 0162	11.6	10.4	14.2	18.2	22.5	27.0	28.8	29.2	28.1	23.6	17.0	13.2

V3PR8 HYST - cy 4 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	7.3	10.6	15.4	20.6	25.8	28.2	27.9	26.7	20.0	14.7	10.9
CRMS0276 - Just east of Wilkinson Canal	12.4	14.5	16.9	20.5	24.6	28.4	29.3	29.8	28.5	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.9	12.6	15.2	19.5	24.0	28.2	29.3	29.8	28.4	23.6	16.3	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	7.9	9.4	13.2	18.0	22.0	26.3	27.0	27.5	26.6	21.6	13.7	14.1
USGS7380251 Barataria Bay North of Grand Isle	9.1	11.3	14.4	19.0	22.9	27.4	28.4	28.7	27.6	22.6	14.5	15.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.6	14.8	19.4	22.7	27.6	28.6	29.1	27.8	23.0	15.7	16.1
USGS 07380335 - Little Lake Near Cutoff	11.8	12.7	16.3	20.2	23.7	28.2	29.3	29.8	28.4	24.0	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	11.6	13.7	16.7	20.6	24.6	28.2	29.2	29.7	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	10.6	13.6	16.5	20.4	24.6	28.3	29.4	29.7	28.3	23.7	15.8	16.8
HWQ16 - Bayou Grand Liard	14.9	14.7	17.3	20.4	24.6	28.1	29.6	30.2	28.8	24.8	18.5	18.4
CRMS 3985	9.9	12.9	15.6	19.8	23.7	27.6	28.5	28.9	28.0	23.0	15.3	16.1
CRMS 0258	9.5	12.2	15.3	19.2	22.8	27.5	28.1	28.7	27.6	22.8	14.3	15.3
CRMS 0224	10.2	11.6	15.3	19.6	23.1	27.4	28.2	28.9	27.6	23.0	15.5	16.3
CRMS 0163	9.3	9.2	11.6	17.1	22.0	26.9	28.6	28.9	27.9	21.8	15.5	11.9
CRMS 0162	11.7	10.5	14.1	17.8	22.3	26.9	28.8	29.2	28.2	23.6	17.0	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-6.3	-5.0	-4.5	-3.2	-1.7	-0.1	-0.9	-1.0	-2.8	0.6	-4.8
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.3	1.0	0.9	0.8	0.5	0.3	0.1	0.2	0.1	0.4	0.1	0.6
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.2	-4.5	-2.5	-1.9	-1.8	-1.3	-1.4	-1.3	-1.0	-1.3	-0.6	-1.8
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-2.4	-1.6	-0.9	-1.1	-0.3	-0.3	-0.3	-0.3	-0.4	-0.6	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.2	-4.2	-2.0	-1.1	-1.7	-0.4	-0.4	-0.5	-0.5	-0.7	-0.7	-0.9
USGS 07380335 - Little Lake Near Cutoff	-0.6	-2.4	-1.0	-0.6	-1.1	-0.1	-0.2	-0.1	-0.1	-0.2	-0.4	-0.3
USGS073802516 Barataria Pass at Grand Isle	-0.2	-1.6	-0.5	-0.3	-0.2	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.2
HWQ14 - Lake Washington	-0.2	-0.9	-0.3	-0.2	-0.2	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.2
HWQ16 - Bayou Grand Liard	-0.2	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1
CRMS 3985	-0.2	-0.6	-0.3	-0.2	-0.4	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1
CRMS 0258	-0.2	-1.7	-0.5	-0.4	-0.4	-0.1	-0.2	-0.1	0.0	-0.1	-0.3	-0.4
CRMS 0224	-0.5	-3.0	-1.1	-0.7	-0.9	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.4
CRMS 0163	0.0	0.2	0.0	-0.2	0.0	-0.1	0.0	-0.1	-0.1	0.0	0.0	-0.1
CRMS 0162	0.0	0.1	-0.1	-0.4	-0.2	-0.1	0.1	0.0	0.0	0.0	-0.1	-0.2

Figure WQ TEMP 193 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.5	28.2	28.7	27.7	22.9	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	11.8	13.2	16.0	20.0	24.4	28.3	29.3	29.8	28.5	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	9.9	10.2	13.6	18.0	23.2	27.6	29.2	29.5	28.2	23.3	16.3	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.4	16.0
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	19.9	24.1	27.7	28.6	28.9	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.1	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.4	14.2	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.5	16.3
CRMS 0258	9.5	13.7	15.3	19.5	23.1	26.6	27.4	27.7	27.4	23.0	15.0	16.0
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.9	16.8
CRMS 0163	7.9	7.9	11.2	16.2	21.6	26.7	28.7	28.7	27.4	21.9	15.7	12.3
CRMS 0162	8.4	9.0	12.8	17.1	22.2	26.5	28.8	28.4	27.9	23.4	17.9	14.7

V3PR8 HYST - cy 4 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.6	20.6	26.1	28.8	28.1	26.5	20.0	14.9	10.9
CRMS0276 - Just east of Wilkinson Canal	11.1	13.2	16.4	20.2	24.5	28.2	29.2	29.7	28.5	24.1	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.5	11.6	14.9	19.2	23.9	28.1	29.3	29.7	28.3	23.6	16.4	15.6
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	7.1	10.6	15.2	21.1	26.1	28.1	27.7	26.7	21.6	13.8	14.1
USGS7380251 Barataria Bay North of Grand Isle	7.4	8.4	11.8	16.8	22.1	26.7	28.3	28.5	27.5	22.6	14.6	15.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.9	7.9	11.2	16.3	21.8	26.5	28.5	28.7	27.8	23.1	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	8.8	9.3	12.8	17.8	22.9	27.3	28.9	29.5	28.5	24.0	16.5	17.3
USGS073802516 Barataria Pass at Grand Isle	9.5	11.7	14.7	19.7	24.4	28.0	29.1	29.6	28.4	23.9	16.5	17.3
HWQ14 - Lake Washington	9.9	12.2	15.4	19.8	24.3	28.0	29.2	29.6	28.3	23.6	15.8	16.8
HWQ16 - Bayou Grand Liard	12.9	13.0	15.9	19.9	24.5	28.2	29.6	30.2	28.8	24.8	18.6	18.4
CRMS 3985	8.5	10.9	13.8	18.7	23.2	27.1	28.2	28.6	28.0	23.0	15.3	16.2
CRMS 0258	7.7	9.7	12.8	17.7	22.4	26.4	27.6	27.6	27.4	22.9	14.9	15.8
CRMS 0224	7.5	8.7	12.2	17.2	22.3	26.6	28.1	28.6	27.7	23.1	15.6	16.4
CRMS 0163	8.5	8.3	11.5	16.7	21.8	26.9	28.7	28.8	27.4	21.9	15.7	12.2
CRMS 0162	8.6	9.1	12.9	17.1	22.1	26.5	28.8	28.4	27.9	23.4	18.1	14.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.9	-6.9	-5.4	-5.2	-3.2	-1.5	0.6	-0.6	-1.2	-2.9	0.5	-4.8
CRMS0276 - Just east of Wilkinson Canal	-0.7	0.0	0.4	0.1	0.1	-0.1	-0.1	0.0	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.6	1.4	1.3	1.2	0.7	0.5	0.2	0.3	0.1	0.3	0.1	0.6
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.7	-6.8	-5.1	-4.6	-2.8	-1.5	-0.4	-1.1	-1.0	-1.3	-0.6	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-2.2	-5.3	-4.1	-3.2	-2.0	-1.0	-0.3	-0.4	-0.3	-0.4	-0.6	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.5	-6.9	-5.7	-4.2	-2.7	-1.5	-0.6	-0.8	-0.4	-0.7	-0.7	-0.9
USGS 07380335 - Little Lake Near Cutoff	-3.4	-5.6	-4.5	-3.0	-2.0	-1.0	-0.5	-0.5	-0.1	-0.2	-0.4	-0.3
USGS073802516 Barataria Pass at Grand Isle	-2.2	-3.5	-2.5	-1.2	-0.5	-0.2	-0.1	-0.2	-0.1	-0.1	-0.1	-0.2
HWQ14 - Lake Washington	-0.9	-2.4	-1.5	-0.8	-0.4	-0.3	-0.2	-0.1	0.0	-0.1	-0.2	-0.2
HWQ16 - Bayou Grand Liard	-1.5	-1.2	-0.7	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1
CRMS 3985	-1.5	-2.7	-2.3	-1.4	-0.9	-0.6	-0.5	-0.3	-0.1	-0.1	-0.1	-0.1
CRMS 0258	-1.8	-4.0	-2.5	-1.8	-0.7	-0.1	0.3	-0.1	-0.1	-0.1	-0.2	-0.2
CRMS 0224	-3.2	-5.8	-4.3	-3.0	-1.7	-1.1	-0.4	-0.5	-0.3	-0.3	-0.3	-0.4
CRMS 0163	0.6	0.4	0.2	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.2
CRMS 0162	0.2	0.1	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	-0.1

Figure WQ TEMP 194 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.4	19.7	23.9	27.6	28.3	28.7	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.2	19.9	24.3	28.3	29.3	29.8	28.5	24.1	17.2	16.9
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.5	17.8	22.6	27.3	29.2	29.5	28.2	23.4	16.3	13.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	14.0	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.6	29.0	27.9	23.0	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.9	16.8	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.4	15.2	17.3	20.8	24.8	28.3	29.4	30.0	28.5	24.1	16.9	17.5
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.8	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.7	16.8	20.1	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.1	13.6	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.5	16.0
CRMS 0258	9.8	14.5	15.3	19.5	23.2	26.6	27.4	27.9	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.8	16.4	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	9.2	10.0	11.1	16.1	21.2	26.5	28.7	28.8	27.4	22.3	15.6	10.7
CRMS 0162	11.2	13.3	12.9	17.0	21.7	26.5	28.8	28.5	28.0	23.8	17.7	11.3

V3PR8 HYST - cy 4 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.2	10.1	14.6	20.7	26.1	28.8	28.1	26.5	20.2	14.8	9.1
CRMS0276 - Just east of Wilkinson Canal	12.3	15.2	16.3	20.2	24.3	28.2	29.2	29.8	28.5	24.1	17.2	16.4
Barataria Waterway at Lafitte (USACE82875)	10.9	13.1	14.8	19.1	23.4	27.9	29.3	29.7	28.3	23.7	16.4	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.9	12.1	10.8	15.0	20.9	26.2	28.2	27.6	26.7	21.6	13.8	9.7
USGS7380251 Barataria Bay North of Grand Isle	9.1	13.3	12.0	16.5	21.7	26.5	28.3	28.7	27.6	22.6	14.6	11.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	14.2	11.6	16.1	21.5	26.4	28.5	29.1	27.8	23.0	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	11.9	15.1	13.1	17.6	22.4	27.0	28.9	29.9	28.4	24.0	16.6	12.1
USGS073802516 Barataria Pass at Grand Isle	11.6	15.2	15.1	19.7	24.1	27.9	29.1	29.8	28.4	23.9	16.5	14.4
HWQ14 - Lake Washington	10.6	14.4	15.6	19.7	24.1	27.9	29.2	29.7	28.3	23.6	15.8	15.4
HWQ16 - Bayou Grand Liard	14.9	15.6	16.3	19.9	24.3	28.2	29.6	30.2	28.9	24.9	18.6	16.7
CRMS 3985	9.9	13.5	13.7	18.5	23.0	27.0	28.3	28.7	28.0	23.0	15.3	13.4
CRMS 0258	9.6	14.2	13.0	17.5	22.2	26.5	27.7	27.7	27.6	22.8	14.8	12.3
CRMS 0224	10.3	14.4	12.5	17.0	22.0	26.5	28.2	28.9	27.7	23.0	15.6	11.5
CRMS 0163	9.3	9.8	11.3	16.4	21.3	26.5	28.7	28.7	27.4	22.2	15.6	11.1
CRMS 0162	11.2	13.1	13.0	17.0	21.7	26.4	28.8	28.5	28.0	23.9	17.8	11.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-5.7	-5.3	-5.2	-3.2	-1.5	0.5	-0.6	-1.3	-2.7	0.4	-6.5
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.1	0.2	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1	-0.5
Barataria Waterway at Lafitte (USACE82875)	0.2	0.7	1.3	1.2	0.8	0.6	0.1	0.2	0.1	0.3	0.1	1.5
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-1.9	-4.8	-4.8	-3.0	-1.5	-0.3	-1.2	-1.0	-1.2	-0.6	-6.2
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-0.5	-3.8	-3.5	-2.4	-1.2	-0.3	-0.3	-0.3	-0.4	-0.5	-4.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.0	-0.7	-5.3	-4.4	-3.0	-1.6	-0.6	-0.5	-0.4	-0.7	-0.7	-6.6
USGS 07380335 - Little Lake Near Cutoff	-0.6	-0.2	-4.2	-3.2	-2.4	-1.3	-0.6	-0.1	-0.1	-0.2	-0.4	-5.4
USGS073802516 Barataria Pass at Grand Isle	-0.2	-0.1	-2.1	-1.2	-0.7	-0.3	-0.2	0.0	-0.1	-0.1	-0.1	-3.1
HWQ14 - Lake Washington	-0.2	-0.2	-1.3	-0.8	-0.7	-0.4	-0.3	0.0	0.0	-0.1	-0.2	-1.6
HWQ16 - Bayou Grand Liard	-0.2	-0.1	-0.5	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	-1.3
CRMS 3985	-0.2	-0.1	-2.3	-1.5	-1.2	-0.7	-0.4	-0.2	0.0	-0.1	-0.1	-2.7
CRMS 0258	-0.2	-0.3	-2.3	-2.0	-1.0	-0.1	0.3	-0.2	0.0	-0.1	-0.2	-3.2
CRMS 0224	-0.4	-0.4	-4.0	-3.3	-2.1	-1.2	-0.4	-0.3	-0.3	-0.3	-0.3	-5.2
CRMS 0163	0.1	-0.2	0.2	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.3
CRMS 0162	0.0	-0.1	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1	0.1	0.1

Figure WQ TEMP 195 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.9	27.6	28.3	28.7	27.6	22.8	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.3	15.8	19.7	24.3	28.3	29.3	29.8	28.4	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.3	11.3	13.2	17.1	22.7	27.5	29.2	29.5	28.1	23.2	16.3	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.6	29.0	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.3	15.1	17.3	20.7	24.8	28.3	29.4	30.0	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	15.3	16.5	19.9	24.4	28.2	29.6	30.2	28.8	24.9	18.8	18.6
CRMS 3985	10.0	13.5	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.4	16.3
CRMS 0258	9.5	13.9	15.3	19.5	23.2	26.6	27.4	27.9	26.8	22.6	15.0	16.1
CRMS 0224	10.7	14.7	16.5	20.3	24.1	27.7	28.6	29.1	27.9	23.4	15.9	16.8
CRMS 0163	8.5	8.7	11.0	15.6	21.4	26.7	28.7	28.8	27.2	21.9	15.8	12.5
CRMS 0162	9.3	9.9	12.3	16.5	21.9	26.6	28.8	28.5	27.5	22.8	18.1	15.1

V3PR9 HYST - cy 4 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.9	27.6	28.3	28.7	27.6	22.8	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	12.2	14.6	16.1	19.8	24.4	28.3	29.3	29.8	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.7	12.5	14.4	18.3	23.4	28.0	29.3	29.7	28.3	23.7	16.5	16.2
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.6	28.9	27.8	22.9	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.4	14.8	16.8	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.3	15.1	17.3	20.7	24.8	28.3	29.4	30.0	28.5	24.1	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.3	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	15.3	16.6	20.0	24.4	28.2	29.6	30.2	28.8	24.9	18.8	18.6
CRMS 3985	10.0	13.5	16.1	20.0	24.1	27.6	28.6	28.9	28.0	23.1	15.5	16.3
CRMS 0258	9.5	13.9	15.3	19.6	23.2	26.6	27.4	27.9	26.8	22.7	15.0	16.2
CRMS 0224	10.7	14.7	16.5	20.3	24.1	27.7	28.6	29.2	27.9	23.4	15.8	16.8
CRMS 0163	8.7	8.9	11.2	15.7	21.4	26.6	28.7	28.7	27.2	22.0	15.8	12.5
CRMS 0162	9.4	9.9	12.4	16.4	21.9	26.6	28.8	28.5	27.5	23.1	18.0	15.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
CRMS0276 - Just east of Wilkinson Canal	0.2	0.3	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.4	1.2	1.2	1.1	0.7	0.5	0.1	0.2	0.2	0.5	0.1	1.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1
CRMS 0162	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.3	-0.1	0.1

Figure WQ TEMP 196 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.0	13.6	15.6	19.8	24.3	28.3	29.3	29.8	28.5	24.1	17.2	17.4
Barataria Waterway at Lafitte (USACE82875)	10.2	10.6	12.9	17.6	22.8	27.8	29.2	29.6	28.3	23.5	16.3	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.7	29.0	27.8	23.0	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	15.0	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.8	14.6	16.2	20.0	24.4	28.1	29.6	30.2	28.9	24.9	18.7	18.4
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	29.0	28.0	23.1	15.4	16.2
CRMS 0258	9.5	13.7	15.3	19.5	23.2	26.9	27.9	28.8	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	8.3	8.1	10.9	15.9	21.4	27.0	28.7	28.9	27.6	22.5	15.6	11.5
CRMS 0162	9.5	9.3	12.1	16.8	21.8	26.7	28.8	28.8	28.1	23.9	17.6	12.6

V3PR9 HYST - cy 4 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.2	14.0	15.9	20.0	24.4	28.3	29.3	29.8	28.5	24.1	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	11.8	14.0	18.8	23.5	28.2	29.3	29.8	28.4	23.8	16.4	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	20.0	24.1	27.7	28.6	29.0	27.8	23.0	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.4	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	15.1	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.3	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	14.8	14.8	16.3	20.1	24.5	28.1	29.6	30.2	28.9	24.9	18.7	18.4
CRMS 3985	10.1	13.5	16.1	20.0	24.1	27.7	28.7	29.0	28.0	23.1	15.5	16.2
CRMS 0258	9.5	13.8	15.4	19.5	23.2	26.9	27.9	28.8	27.7	22.9	15.0	15.5
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	8.6	8.3	11.0	16.0	21.4	27.0	28.6	28.8	27.6	22.6	15.7	11.6
CRMS 0162	9.6	9.3	12.1	16.9	21.8	26.7	28.8	28.8	28.1	23.9	17.6	12.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.2	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.5	1.2	1.1	1.2	0.7	0.4	0.1	0.2	0.2	0.3	0.2	1.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.3	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2
CRMS 0162	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2

Figure WQ TEMP 197 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.6	15.6	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.1	15.6
CRMS0276 - Just east of Wilkinson Canal	12.3	14.4	16.7	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.7	11.6	14.3	18.7	23.5	27.9	29.2	29.6	28.4	23.2	16.2	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.3	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.7	29.0	27.8	23.0	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.8	20.5	24.4	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.2	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	10.1	13.5	15.9	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.4	16.1
CRMS 0258	9.7	13.9	15.8	19.6	23.2	27.6	28.3	28.8	27.6	23.0	14.6	15.7
CRMS 0224	10.7	14.7	16.5	20.3	24.0	27.7	28.5	29.1	27.9	23.4	15.8	16.7
CRMS 0163	9.2	9.1	11.7	17.2	21.9	27.0	28.7	29.0	27.9	21.9	15.4	12.0
CRMS 0162	11.6	10.4	14.2	18.2	22.5	27.0	28.8	29.2	28.1	23.6	17.0	13.2

V3PR9 HYST - cy 4 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.6	15.6	19.8	23.8	27.6	28.3	28.8	27.7	22.8	14.1	15.6
CRMS0276 - Just east of Wilkinson Canal	12.4	14.7	16.8	20.4	24.6	28.4	29.3	29.8	28.5	24.1	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	11.0	12.8	15.5	19.7	24.0	28.2	29.3	29.8	28.4	23.7	16.4	15.8
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.3	15.8
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.0	27.7	28.7	29.0	27.8	23.0	15.1	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.8	20.5	24.4	28.0	29.1	29.6	28.2	23.7	16.3	17.0
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.8	24.8	28.3	29.4	30.0	28.6	24.1	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.8	20.5	24.7	28.3	29.4	29.7	28.3	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	15.1	15.2	17.3	20.4	24.6	28.1	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	10.1	13.5	15.9	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.4	16.1
CRMS 0258	9.7	13.9	15.8	19.6	23.2	27.6	28.3	28.8	27.6	23.0	14.7	15.7
CRMS 0224	10.8	14.7	16.5	20.3	24.0	27.7	28.5	29.1	27.9	23.4	15.8	16.7
CRMS 0163	9.4	9.3	11.8	17.1	21.9	26.9	28.6	29.0	27.9	21.9	15.5	12.1
CRMS 0162	11.7	10.6	14.3	18.1	22.4	27.0	28.7	29.2	28.1	23.5	17.0	13.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.3	1.2	1.2	0.9	0.5	0.3	0.1	0.2	0.1	0.4	0.2	0.9
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.1	0.3	0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1
CRMS 0162	0.0	0.2	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ TEMP 198 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	13.6	15.5	19.8	23.8	27.5	28.2	28.7	27.7	22.9	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	11.8	13.2	16.0	20.0	24.4	28.3	29.3	29.8	28.5	24.0	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	9.9	10.2	13.6	18.0	23.2	27.6	29.2	29.5	28.2	23.3	16.3	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.4	16.0
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	19.9	24.1	27.7	28.6	28.9	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	16.9	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.1	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.9	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.4	14.2	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.5	16.3
CRMS 0258	9.5	13.7	15.3	19.5	23.1	26.6	27.4	27.7	27.4	23.0	15.0	16.0
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.9	16.8
CRMS 0163	7.9	7.9	11.2	16.2	21.6	26.7	28.7	28.7	27.4	21.9	15.7	12.3
CRMS 0162	8.4	9.0	12.8	17.1	22.2	26.5	28.8	28.4	27.9	23.4	17.9	14.7

V3PR9 HYST - cy 4 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	13.6	15.5	19.8	23.8	27.5	28.2	28.7	27.7	22.8	14.4	15.8
CRMS0276 - Just east of Wilkinson Canal	12.1	13.5	16.2	20.1	24.5	28.3	29.3	29.8	28.5	24.1	17.2	17.8
Barataria Waterway at Lafitte (USACE82875)	10.4	11.3	14.7	19.1	23.8	28.1	29.3	29.7	28.4	23.7	16.5	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	13.9	15.7	19.9	23.8	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	15.9	19.9	24.1	27.7	28.6	28.9	27.8	23.0	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.4	14.8	16.9	20.5	24.4	28.0	29.1	29.6	28.2	23.7	16.4	17.1
USGS 07380335 - Little Lake Near Cutoff	12.2	15.0	17.3	20.8	24.8	28.3	29.4	29.9	28.5	24.1	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.8	14.5	16.9	20.6	24.7	28.3	29.3	29.7	28.3	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.5	14.4	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.6	16.1	20.0	24.1	27.7	28.7	28.9	28.0	23.1	15.5	16.3
CRMS 0258	9.5	13.8	15.3	19.5	23.2	26.6	27.4	27.7	27.5	23.0	15.0	16.0
CRMS 0224	10.7	14.6	16.5	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.9	16.8
CRMS 0163	8.2	8.0	11.4	16.3	21.6	26.7	28.7	28.7	27.4	22.0	15.8	12.3
CRMS 0162	8.5	9.0	12.8	17.1	22.1	26.5	28.8	28.4	27.9	23.4	17.9	15.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.2	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.6	1.1	1.1	1.1	0.7	0.4	0.1	0.3	0.2	0.4	0.1	0.9
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3

Figure WQ TEMP 199 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.4	19.7	23.9	27.6	28.3	28.7	27.7	22.8	14.4	15.6
CRMS0276 - Just east of Wilkinson Canal	12.2	15.1	16.2	19.9	24.3	28.3	29.3	29.8	28.5	24.1	17.2	16.9
Barataria Waterway at Lafitte (USACE82875)	10.7	12.3	13.5	17.8	22.6	27.3	29.2	29.5	28.2	23.4	16.3	13.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	14.0	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.9
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.7	15.9	19.9	24.1	27.7	28.6	29.0	27.9	23.0	15.1	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.9	16.8	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.4	15.2	17.3	20.8	24.8	28.3	29.4	30.0	28.5	24.1	16.9	17.5
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.8	14.6	16.8	20.6	24.8	28.3	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.7	16.8	20.1	24.4	28.2	29.6	30.2	28.9	24.9	18.8	18.0
CRMS 3985	10.1	13.6	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.5	16.0
CRMS 0258	9.8	14.5	15.3	19.5	23.2	26.6	27.4	27.9	27.7	23.0	15.0	15.5
CRMS 0224	10.7	14.8	16.4	20.3	24.1	27.7	28.6	29.1	28.0	23.4	15.8	16.7
CRMS 0163	9.2	10.0	11.1	16.1	21.2	26.5	28.7	28.8	27.4	22.3	15.6	10.7
CRMS 0162	11.2	13.3	12.9	17.0	21.7	26.5	28.8	28.5	28.0	23.8	17.7	11.3

V3PR9 HYST - cy 4 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.4	19.7	23.8	27.6	28.2	28.7	27.7	22.8	14.3	15.5
CRMS0276 - Just east of Wilkinson Canal	12.4	15.3	16.5	20.1	24.3	28.3	29.3	29.8	28.5	24.1	17.3	17.2
Barataria Waterway at Lafitte (USACE82875)	11.0	13.4	14.9	19.0	23.3	27.9	29.3	29.7	28.4	23.8	16.4	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	9.1	14.0	15.7	19.9	23.9	27.6	28.4	28.8	27.7	22.9	14.4	15.8
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	15.9	19.9	24.1	27.7	28.6	28.9	27.8	23.0	15.2	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.9	16.8	20.5	24.5	28.0	29.1	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.4	15.3	17.3	20.8	24.8	28.3	29.4	30.0	28.5	24.1	17.0	17.5
USGS073802516 Barataria Pass at Grand Isle	11.8	15.3	17.2	20.9	24.8	28.2	29.2	29.8	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	14.5	16.8	20.6	24.7	28.3	29.4	29.7	28.3	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	15.0	15.7	16.9	20.2	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.1
CRMS 3985	10.1	13.6	16.0	20.0	24.1	27.7	28.6	28.9	28.0	23.1	15.5	16.0
CRMS 0258	9.8	14.5	15.3	19.5	23.2	26.6	27.4	27.9	27.7	23.0	15.0	15.5
CRMS 0224	10.8	14.8	16.5	20.3	24.1	27.8	28.6	29.1	28.0	23.4	15.9	16.7
CRMS 0163	9.4	10.1	11.3	16.2	21.3	26.5	28.7	28.8	27.4	22.4	15.6	10.9
CRMS 0162	11.2	13.2	12.8	17.1	21.7	26.5	28.8	28.5	28.0	23.9	17.7	11.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.4
Barataria Waterway at Lafitte (USACE82875)	0.3	1.1	1.4	1.2	0.7	0.5	0.1	0.2	0.2	0.4	0.1	1.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2
CRMS 0162	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1

Figure WQ TEMP 200 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.9	15.8	19.9	24.0	27.7	28.5	28.9	27.8	23.0	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	12.0	14.2	15.5	19.5	24.2	28.3	29.4	29.9	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.1	10.9	12.5	16.5	22.3	27.3	29.2	29.5	28.1	23.3	16.4	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.1	27.8	28.6	29.0	27.8	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.3	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.0	15.3	16.6	20.0	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.6	16.1	20.1	24.3	27.8	28.7	29.0	28.1	23.3	15.5	16.2
CRMS 0258	10.0	14.1	15.7	19.8	23.5	27.0	27.8	28.3	27.2	23.0	15.4	16.5
CRMS 0224	11.0	14.7	16.6	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.6	8.8	11.0	15.6	21.4	26.7	28.8	28.8	27.3	22.3	16.0	12.9
CRMS 0162	9.7	10.5	12.6	16.5	22.2	26.8	29.0	28.9	27.9	23.5	18.5	15.9

V3PR2 HYST - cy 5 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	7.2	10.1	14.6	20.7	26.1	28.8	27.9	26.0	19.7	15.1	10.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.6	16.1	19.9	24.5	28.3	29.3	29.8	28.5	24.2	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.1	11.0	12.7	16.9	22.5	27.5	29.2	29.5	28.1	23.6	16.5	15.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.9	9.7	10.7	15.4	21.1	26.1	27.8	27.8	26.8	21.5	13.6	14.0
USGS7380251 Barataria Bay North of Grand Isle	9.0	12.4	13.8	18.5	23.3	27.4	28.6	28.9	27.8	22.9	14.9	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	13.8	14.4	19.4	23.8	27.8	29.0	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	14.7	16.2	20.2	24.5	28.1	29.4	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.0	16.5	20.6	24.7	28.2	29.2	29.8	28.5	24.0	16.8	17.5
HWQ14 - Lake Washington	10.6	14.2	16.3	20.3	24.6	28.1	29.3	29.7	28.4	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	14.8	15.4	17.0	20.3	24.7	28.2	29.7	30.2	28.9	24.9	18.8	18.5
CRMS 3985	9.8	13.4	15.5	19.7	24.1	27.7	28.6	28.9	28.1	23.2	15.4	16.1
CRMS 0258	9.5	13.4	14.7	19.2	23.1	26.8	27.7	28.2	27.1	22.9	15.4	16.4
CRMS 0224	10.3	13.4	14.7	19.3	23.5	27.5	28.6	29.2	28.0	23.4	16.0	16.8
CRMS 0163	9.0	9.5	11.2	15.9	21.6	26.9	28.9	28.9	27.4	23.3	16.3	14.3
CRMS 0162	11.3	12.5	13.2	17.1	22.6	27.0	29.1	29.2	28.3	24.1	18.6	17.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.8	-6.7	-5.6	-5.4	-3.3	-1.6	0.3	-1.0	-1.8	-3.3	0.5	-5.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.4	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.2	0.4	0.2	0.2	0.0	0.0	0.0	0.4	0.1	0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.5	-4.5	-5.3	-4.6	-3.0	-1.7	-0.8	-1.2	-1.1	-1.6	-1.2	-2.2
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-1.4	-2.3	-1.6	-0.9	-0.4	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.8	-1.1	-2.7	-1.2	-0.9	-0.3	-0.2	-0.1	-0.1	-0.2	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-0.3	-0.4	-1.1	-0.5	-0.4	-0.2	-0.1	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.2	-0.8	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.3	-0.3	-0.6	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.2	0.1	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.2	-0.2	-0.7	-0.4	-0.2	-0.1	-0.1	-0.1	0.0	0.0	-0.1	0.0
CRMS 0258	-0.5	-0.8	-1.0	-0.6	-0.5	-0.2	0.0	-0.1	-0.1	-0.2	-0.1	-0.2
CRMS 0224	-0.7	-1.4	-1.9	-1.1	-0.8	-0.4	-0.3	-0.2	-0.1	-0.2	-0.1	-0.2
CRMS 0163	0.3	0.6	0.2	0.3	0.3	0.2	0.0	0.1	0.2	1.0	0.3	1.4
CRMS 0162	1.6	2.0	0.6	0.6	0.5	0.2	0.1	0.4	0.4	0.7	0.1	1.2

Figure WQ TEMP 201 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	13.8	15.8	19.9	24.0	27.7	28.5	29.0	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	13.4	15.4	19.8	24.3	28.3	29.4	29.9	28.6	24.2	17.3	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	10.0	12.3	17.0	22.4	27.7	29.2	29.6	28.4	23.6	16.4	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.1	16.1	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.1	20.1	24.2	27.8	28.7	29.1	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.5	15.0	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.0	14.7	16.3	20.1	24.5	28.1	29.6	30.2	28.9	25.0	18.8	18.4
CRMS 3985	10.0	13.6	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	14.0	15.7	19.8	23.5	27.2	28.2	29.0	27.9	23.3	15.5	16.1
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	16.9
CRMS 0163	8.5	8.1	10.9	15.9	21.4	27.2	28.8	29.0	27.8	23.0	15.8	11.4
CRMS 0162	9.8	9.4	12.4	17.0	22.1	27.1	29.1	29.2	28.4	24.3	18.2	13.3

V3PR2 HYST - cy 5 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.7	26.0	28.1	27.8	26.7	20.3	14.8	9.9
CRMS0276 - Just east of Wilkinson Canal	11.9	14.0	15.9	20.0	24.5	28.4	29.4	29.9	28.6	24.2	17.2	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	10.4	12.4	17.5	22.6	27.7	29.3	29.6	28.5	24.0	16.5	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	6.6	7.5	10.6	15.4	21.2	26.4	27.8	28.0	27.1	21.6	14.1	11.2
USGS7380251 Barataria Bay North of Grand Isle	9.3	11.9	14.0	18.8	23.5	27.7	28.7	29.0	27.9	23.1	15.0	15.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	12.4	14.2	19.5	23.8	28.0	29.2	29.6	28.3	23.8	16.5	16.2
USGS 07380335 - Little Lake Near Cutoff	12.3	14.0	16.0	20.2	24.4	28.2	29.5	30.0	28.6	24.2	17.0	17.3
USGS073802516 Barataria Pass at Grand Isle	11.8	14.6	16.4	20.6	24.7	28.2	29.2	29.8	28.5	24.0	16.8	17.4
HWQ14 - Lake Washington	10.7	13.8	16.4	20.3	24.6	28.2	29.4	29.7	28.4	23.7	16.0	16.8
HWQ16 - Bayou Grand Liard	14.9	14.8	16.8	20.3	24.7	28.1	29.6	30.2	28.9	25.0	18.7	18.4
CRMS 3985	9.8	13.3	15.6	19.8	24.1	27.8	28.7	29.0	28.1	23.2	15.3	15.7
CRMS 0258	9.4	12.7	14.7	19.3	23.1	27.1	28.1	29.0	27.9	23.2	15.4	15.2
CRMS 0224	10.3	12.4	14.6	19.4	23.5	27.8	28.7	29.2	28.1	23.5	16.0	15.7
CRMS 0163	9.1	8.9	11.2	16.5	21.7	27.3	29.0	29.4	28.5	24.1	16.3	12.4
CRMS 0162	11.8	11.1	13.0	17.5	22.7	27.7	29.3	29.7	28.6	24.7	18.6	16.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.8	-7.0	-5.7	-5.3	-3.3	-1.8	-0.4	-1.2	-1.2	-2.7	0.2	-6.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.6	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.4	0.1	0.4	0.2	0.0	0.1	0.0	0.2	0.4	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.8	-6.6	-5.5	-4.7	-2.9	-1.4	-0.8	-1.0	-0.8	-1.5	-0.6	-5.0
USGS7380251 Barataria Bay North of Grand Isle	-0.5	-1.9	-2.1	-1.3	-0.7	-0.1	0.0	0.0	0.0	-0.1	-0.2	-0.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.7	-2.5	-2.9	-1.1	-0.8	-0.1	0.0	0.0	0.0	-0.1	-0.1	-1.1
USGS 07380335 - Little Lake Near Cutoff	-0.2	-1.0	-1.3	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	-0.4
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.6	-0.9	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
HWQ14 - Lake Washington	-0.2	-0.7	-0.5	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	-0.1	0.1	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.2	-0.3	-0.6	-0.3	-0.2	0.0	-0.1	0.0	0.0	0.0	-0.2	-0.4
CRMS 0258	-0.6	-1.2	-1.0	-0.5	-0.4	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.9
CRMS 0224	-0.8	-2.2	-2.1	-1.0	-0.7	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-1.2
CRMS 0163	0.6	0.8	0.2	0.6	0.3	0.1	0.2	0.4	0.7	1.1	0.5	0.9
CRMS 0162	2.0	1.7	0.6	0.5	0.5	0.6	0.2	0.4	0.2	0.4	0.5	2.7

Figure WQ TEMP 202 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	13.8	15.9	20.0	23.9	27.7	28.5	29.0	27.9	23.1	14.4	15.9
CRMS0276 - Just east of Wilkinson Canal	12.4	14.3	16.6	20.3	24.6	28.4	29.4	29.9	28.6	24.2	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	11.2	13.7	18.4	23.2	27.7	29.3	29.7	28.4	23.2	16.3	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.1	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.7	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.8	15.1	17.4	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.3	15.2	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	10.0	13.6	16.0	20.0	24.2	27.8	28.5	28.9	27.9	23.1	15.2	15.8
CRMS 0258	10.1	14.2	16.1	19.9	23.5	27.7	28.5	29.0	27.9	23.3	15.2	16.2
CRMS 0224	11.1	14.7	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	9.5	9.3	11.7	17.4	21.9	27.1	28.8	29.2	28.1	22.2	15.5	12.1
CRMS 0162	12.2	11.2	15.1	18.5	22.9	27.5	29.1	29.6	28.5	24.0	17.5	14.4

V3PR2 HYST - cy 5 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	7.3	10.9	15.4	20.7	25.9	28.1	27.8	26.8	20.1	14.7	10.8
CRMS0276 - Just east of Wilkinson Canal	12.3	14.3	16.7	20.4	24.6	28.4	29.4	29.9	28.6	24.2	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	11.4	13.3	18.4	23.2	27.7	29.3	29.8	28.5	23.9	16.2	14.2
USGS2928590900040000 Barataria Waterway South of Lafitte	7.4	9.0	12.3	17.5	21.7	26.5	27.9	28.0	27.1	21.6	14.1	13.2
USGS7380251 Barataria Bay North of Grand Isle	9.6	12.9	15.6	19.7	23.9	27.7	28.7	29.0	27.9	23.1	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.6	13.8	16.5	20.3	24.3	28.1	29.2	29.6	28.3	23.8	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.7	14.7	17.3	20.7	24.7	28.3	29.5	30.0	28.6	24.2	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	14.9	17.2	20.8	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.5
HWQ14 - Lake Washington	10.8	14.1	16.7	20.5	24.7	28.2	29.3	29.7	28.4	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	15.4	15.1	17.4	20.4	24.7	28.1	29.6	30.1	28.9	25.0	18.6	18.5
CRMS 3985	9.9	13.4	16.0	20.0	24.2	27.8	28.7	29.0	28.1	23.2	15.2	15.8
CRMS 0258	9.9	13.3	16.0	19.7	23.3	27.7	28.4	28.9	27.9	23.2	15.0	16.0
CRMS 0224	10.9	13.6	16.4	20.2	23.9	27.8	28.7	29.2	28.1	23.5	15.9	16.8
CRMS 0163	10.2	10.4	12.1	18.0	22.1	27.2	29.1	29.7	28.5	23.9	15.8	13.3
CRMS 0162	13.6	13.9	16.2	19.9	23.7	28.1	29.4	29.9	28.7	24.6	18.2	17.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-6.5	-5.0	-4.5	-3.2	-1.9	-0.5	-1.2	-1.1	-2.9	0.2	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.0	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	-0.4	0.0	-0.1	0.0	0.0	0.1	0.1	0.7	-0.1	-0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-5.1	-3.7	-2.6	-2.3	-1.3	-0.7	-1.0	-0.8	-1.6	-0.6	-3.0
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-0.8	-0.4	-0.4	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-1.1	-0.5	-0.2	-0.3	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.2
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.4	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
CRMS 3985	-0.1	-0.1	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.1	0.0	0.0
CRMS 0258	-0.2	-0.8	-0.2	-0.1	-0.2	-0.1	-0.1	-0.1	0.0	-0.1	-0.2	-0.2
CRMS 0224	-0.2	-1.1	-0.3	-0.1	-0.3	-0.1	-0.1	-0.1	0.0	-0.1	-0.2	-0.2
CRMS 0163	0.7	1.1	0.4	0.6	0.2	0.1	0.3	0.6	0.4	1.7	0.3	1.2
CRMS 0162	1.5	2.6	1.1	1.4	0.7	0.6	0.3	0.3	0.2	0.7	0.7	2.7

Figure WQ TEMP 203 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.8	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	11.8	13.0	15.8	19.9	24.4	28.3	29.4	29.8	28.5	24.1	17.3	17.7
Barataria Waterway at Lafitte (USACE82875)	9.6	9.6	12.9	17.5	22.8	27.4	29.2	29.4	28.2	23.2	16.4	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.4	14.9	17.4	20.7	24.9	28.3	29.4	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.6	14.4	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.7	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	13.9	15.7	19.8	23.5	26.9	27.8	28.2	27.7	23.3	15.4	16.4
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.0	7.9	11.2	16.4	21.6	26.8	28.8	28.8	27.5	22.2	15.9	12.4
CRMS 0162	8.6	9.1	13.1	17.3	22.4	26.9	29.0	28.8	28.2	23.8	18.4	15.7

V3PR2 HYST - cy 5 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.6	26.1	28.7	28.1	26.6	20.1	14.8	10.9
CRMS0276 - Just east of Wilkinson Canal	11.6	13.7	16.1	20.2	24.6	28.3	29.4	29.8	28.6	24.2	17.2	17.8
Barataria Waterway at Lafitte (USACE82875)	9.7	10.0	12.8	17.9	23.0	27.6	29.3	29.6	28.4	23.8	16.5	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.4	10.6	15.5	21.2	26.2	28.5	28.0	27.1	21.6	14.2	13.2
USGS7380251 Barataria Bay North of Grand Isle	9.0	11.6	14.5	19.0	23.6	27.6	28.6	29.0	27.9	23.1	15.0	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	12.1	14.8	19.6	24.0	27.8	29.0	29.5	28.3	23.8	16.5	17.1
USGS 07380335 - Little Lake Near Cutoff	11.8	13.8	16.4	20.3	24.6	28.1	29.4	29.9	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	14.5	16.6	20.6	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.5
HWQ14 - Lake Washington	10.5	13.7	16.5	20.3	24.6	28.2	29.3	29.7	28.4	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	14.3	14.6	16.9	20.3	24.7	28.2	29.6	30.2	28.9	25.0	18.7	18.5
CRMS 3985	9.7	13.2	15.8	19.9	24.1	27.8	28.6	28.9	28.1	23.2	15.3	15.8
CRMS 0258	8.8	12.7	14.9	19.3	23.2	26.8	27.8	28.1	27.7	23.2	15.4	16.3
CRMS 0224	9.5	12.2	15.0	19.5	23.7	27.5	28.6	29.2	28.1	23.5	16.0	16.8
CRMS 0163	8.7	8.5	11.5	17.0	21.8	27.1	29.0	29.1	28.3	23.8	16.4	14.5
CRMS 0162	9.9	10.2	14.2	18.0	22.9	27.2	29.2	29.3	28.6	24.5	18.7	17.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.1	-7.1	-5.7	-5.3	-3.3	-1.6	0.3	-0.8	-1.3	-3.0	0.2	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.2	0.7	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.4	-0.1	0.4	0.1	0.2	0.1	0.1	0.2	0.6	0.1	0.7
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.2	-6.7	-5.4	-4.5	-2.8	-1.6	-0.1	-0.9	-0.8	-1.6	-0.6	-3.1
USGS7380251 Barataria Bay North of Grand Isle	-0.7	-2.2	-1.6	-1.1	-0.6	-0.2	-0.1	0.0	-0.1	-0.1	-0.1	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.3	-2.7	-2.3	-1.0	-0.6	-0.3	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2
USGS 07380335 - Little Lake Near Cutoff	-0.6	-1.1	-0.9	-0.4	-0.3	-0.2	-0.1	0.0	0.0	0.0	-0.1	0.0
USGS073802516 Barataria Pass at Grand Isle	-0.6	-0.7	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
HWQ14 - Lake Washington	-0.4	-0.8	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.3	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.3	-0.5	-0.4	-0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.2	-0.3
CRMS 0258	-1.2	-1.3	-0.8	-0.5	-0.3	-0.1	0.0	-0.1	0.0	-0.1	-0.1	-0.2
CRMS 0224	-1.5	-2.4	-1.6	-0.8	-0.5	-0.3	-0.2	-0.2	0.0	-0.1	-0.1	-0.2
CRMS 0163	0.7	0.6	0.3	0.6	0.2	0.3	0.2	0.2	0.7	1.7	0.5	2.1
CRMS 0162	1.3	1.1	1.1	0.7	0.4	0.3	0.2	0.5	0.4	0.7	0.4	1.7

Figure WQ TEMP 204 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	14.0	15.7	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.3	15.0	16.0	19.9	24.2	28.3	29.4	29.8	28.6	24.2	17.3	16.9
Barataria Waterway at Lafitte (USACE82875)	10.5	12.0	12.8	17.3	22.2	27.1	29.2	29.5	28.2	23.4	16.4	12.8
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.3	16.0	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.7	15.2	17.3	20.7	24.8	28.3	29.4	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.4	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.2	15.7	16.9	20.2	24.5	28.2	29.6	30.2	28.9	25.0	18.8	18.1
CRMS 3985	10.0	13.6	16.0	20.1	24.3	27.9	28.8	29.0	28.1	23.3	15.5	16.1
CRMS 0258	10.2	14.7	15.8	19.8	23.5	27.0	27.8	28.3	27.9	23.3	15.4	16.0
CRMS 0224	11.1	14.9	16.6	20.4	24.3	27.9	28.8	29.3	28.2	23.6	16.1	16.9
CRMS 0163	9.4	10.4	11.1	16.1	21.2	26.5	28.8	28.9	27.6	22.7	15.8	10.7
CRMS 0162	11.7	13.9	13.3	17.2	22.0	26.8	29.1	28.9	28.3	24.2	18.3	11.8

V3PR2 HYST - cy 5 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.9	8.3	10.2	14.6	20.7	26.1	28.8	28.1	26.6	20.3	14.7	9.2
CRMS0276 - Just east of Wilkinson Canal	12.2	14.7	16.4	20.2	24.4	28.3	29.4	29.8	28.6	24.2	17.2	17.2
Barataria Waterway at Lafitte (USACE82875)	10.4	13.5	12.8	17.7	22.5	27.3	29.3	29.5	28.4	24.0	16.5	13.0
USGS2928590900040000 Barataria Waterway South of Lafitte	7.3	11.2	10.8	15.4	21.2	26.2	28.5	28.0	27.1	21.6	14.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.6	14.7	18.9	23.5	27.5	28.6	29.0	27.9	23.0	14.9	14.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.6	14.8	15.0	19.6	23.8	27.8	29.0	29.6	28.3	23.8	16.4	14.7
USGS 07380335 - Little Lake Near Cutoff	12.7	15.1	16.5	20.3	24.5	28.1	29.4	30.0	28.6	24.2	17.0	16.5
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	16.8	20.6	24.7	28.2	29.2	29.8	28.5	24.0	16.8	16.9
HWQ14 - Lake Washington	10.8	14.4	16.5	20.3	24.6	28.2	29.3	29.7	28.4	23.7	16.0	16.6
HWQ16 - Bayou Grand Liard	15.3	15.4	17.2	20.3	24.7	28.2	29.6	30.2	28.9	25.0	18.7	18.1
CRMS 3985	9.9	13.5	15.7	19.8	24.1	27.8	28.6	29.0	28.1	23.2	15.3	15.5
CRMS 0258	10.0	14.4	14.9	19.3	23.1	26.8	27.8	28.2	27.9	23.2	15.3	14.6
CRMS 0224	10.9	14.6	14.9	19.5	23.5	27.5	28.6	29.3	28.1	23.5	16.0	14.7
CRMS 0163	10.0	12.5	11.6	16.9	21.5	26.8	29.0	29.1	28.3	24.2	16.3	11.2
CRMS 0162	13.1	14.4	14.0	17.7	22.5	27.0	29.2	29.4	28.6	24.7	18.7	13.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-5.8	-5.5	-5.3	-3.3	-1.6	0.4	-0.9	-1.3	-2.8	0.1	-6.7
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.3	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.3
Barataria Waterway at Lafitte (USACE82875)	-0.1	1.4	0.0	0.4	0.3	0.2	0.1	0.0	0.2	0.6	0.1	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-3.1	-5.3	-4.6	-2.9	-1.6	-0.1	-1.0	-0.8	-1.5	-0.7	-6.4
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-0.2	-1.3	-1.2	-0.7	-0.3	-0.1	0.0	-0.1	-0.1	-0.2	-1.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.2	-0.2	-2.1	-1.0	-0.8	-0.3	-0.2	0.0	-0.1	-0.1	-0.2	-2.5
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-0.8	-0.4	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	-1.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.5	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.6
HWQ14 - Lake Washington	-0.1	-0.1	-0.3	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
HWQ16 - Bayou Grand Liard	0.1	-0.3	0.3	0.1	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	-0.1	-0.3	-0.3	-0.2	-0.1	-0.1	-0.1	0.0	-0.1	-0.2	-0.6
CRMS 0258	-0.2	-0.3	-0.9	-0.5	-0.4	-0.1	0.0	-0.1	0.0	-0.1	-0.1	-1.4
CRMS 0224	-0.1	-0.3	-1.7	-0.9	-0.7	-0.4	-0.2	-0.1	0.0	-0.1	-0.1	-2.2
CRMS 0163	0.6	2.0	0.4	0.8	0.2	0.3	0.2	0.2	0.8	1.5	0.5	0.5
CRMS 0162	1.4	0.5	0.7	0.6	0.5	0.2	0.2	0.5	0.3	0.4	0.4	1.8

Figure WQ TEMP 205 - Monthly Average Temperature (°C) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.9	15.8	19.9	24.0	27.7	28.5	28.9	27.8	23.0	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	12.0	14.2	15.5	19.5	24.2	28.3	29.4	29.9	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.1	10.9	12.5	16.5	22.3	27.3	29.2	29.5	28.1	23.3	16.4	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.1	27.8	28.6	29.0	27.8	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.3	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.0	15.3	16.6	20.0	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.6	16.1	20.1	24.3	27.8	28.7	29.0	28.1	23.3	15.5	16.2
CRMS 0258	10.0	14.1	15.7	19.8	23.5	27.0	27.8	28.3	27.2	23.0	15.4	16.5
CRMS 0224	11.0	14.7	16.6	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.6	8.8	11.0	15.6	21.4	26.7	28.8	28.8	27.3	22.3	16.0	12.9
CRMS 0162	9.7	10.5	12.6	16.5	22.2	26.8	29.0	28.9	27.9	23.5	18.5	15.9

V3PR3 HYST - cy 5 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	7.1	10.1	14.6	20.7	26.1	28.8	28.0	26.1	19.7	15.0	10.6
CRMS0276 - Just east of Wilkinson Canal	12.0	14.6	16.1	19.9	24.5	28.3	29.3	29.8	28.5	24.2	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.2	12.8	17.0	22.5	27.5	29.2	29.5	28.1	23.6	16.5	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	9.1	10.6	15.3	21.1	26.1	28.0	27.9	26.7	21.3	13.9	13.2
USGS7380251 Barataria Bay North of Grand Isle	9.2	12.7	14.0	18.6	23.4	27.5	28.6	28.9	27.8	22.9	14.9	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	13.7	14.3	19.3	23.7	27.8	29.0	29.6	28.2	23.7	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	12.3	14.6	16.2	20.2	24.4	28.1	29.4	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.8	15.0	16.4	20.5	24.7	28.2	29.2	29.8	28.5	24.0	16.8	17.5
HWQ14 - Lake Washington	10.6	14.2	16.3	20.3	24.6	28.2	29.3	29.7	28.4	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	14.8	15.3	17.0	20.3	24.7	28.2	29.6	30.2	28.9	24.9	18.8	18.5
CRMS 3985	9.8	13.4	15.6	19.8	24.1	27.7	28.6	28.9	28.1	23.2	15.4	16.2
CRMS 0258	9.4	13.3	14.7	19.2	23.1	26.8	27.8	28.2	27.1	22.9	15.4	16.4
CRMS 0224	10.2	13.3	14.7	19.3	23.5	27.4	28.6	29.2	28.0	23.4	16.0	16.8
CRMS 0163	9.0	9.6	11.2	15.9	21.6	26.9	28.9	28.9	27.5	23.2	16.2	13.9
CRMS 0162	11.4	12.4	13.3	17.1	22.6	27.0	29.1	29.2	28.3	24.1	18.5	16.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.8	-6.7	-5.6	-5.4	-3.3	-1.6	0.3	-0.9	-1.7	-3.3	0.4	-5.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.4	0.6	0.4	0.2	0.0	0.0	0.0	0.0	0.1	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.3	0.4	0.3	0.2	0.0	0.1	0.1	0.3	0.1	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.7	-5.0	-5.4	-4.7	-3.0	-1.7	-0.6	-1.1	-1.2	-1.9	-0.8	-3.0
USGS7380251 Barataria Bay North of Grand Isle	-0.5	-1.1	-2.0	-1.5	-0.8	-0.3	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.9	-1.2	-2.8	-1.2	-0.9	-0.3	-0.2	-0.1	-0.1	-0.2	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-0.3	-0.5	-1.2	-0.5	-0.4	-0.2	-0.1	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.3	-0.9	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.2	-0.3	-0.6	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.4	0.3	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.2	-0.2	-0.5	-0.3	-0.2	-0.1	-0.1	-0.1	0.0	0.0	-0.1	0.0
CRMS 0258	-0.6	-0.8	-1.0	-0.6	-0.5	-0.2	0.0	-0.1	-0.1	-0.2	-0.1	-0.1
CRMS 0224	-0.8	-1.5	-2.0	-1.1	-0.8	-0.5	-0.3	-0.2	-0.1	-0.2	-0.1	-0.2
CRMS 0163	0.4	0.7	0.2	0.4	0.3	0.2	0.1	0.1	0.2	0.8	0.2	1.0
CRMS 0162	1.6	1.9	0.7	0.6	0.5	0.2	0.0	0.4	0.4	0.6	0.0	0.1

Figure WQ TEMP 206 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	13.8	15.8	19.9	24.0	27.7	28.5	29.0	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	13.4	15.4	19.8	24.3	28.3	29.4	29.9	28.6	24.2	17.3	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	10.0	12.3	17.0	22.4	27.7	29.2	29.6	28.4	23.6	16.4	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.1	16.1	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.1	20.1	24.2	27.8	28.7	29.1	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.5	15.0	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.0	14.7	16.3	20.1	24.5	28.1	29.6	30.2	28.9	25.0	18.8	18.4
CRMS 3985	10.0	13.6	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	14.0	15.7	19.8	23.5	27.2	28.2	29.0	27.9	23.3	15.5	16.1
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	16.9
CRMS 0163	8.5	8.1	10.9	15.9	21.4	27.2	28.8	29.0	27.8	23.0	15.8	11.4
CRMS 0162	9.8	9.4	12.4	17.0	22.1	27.1	29.1	29.2	28.4	24.3	18.2	13.3

V3PR3 HYST - cy 5 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.7	25.8	28.0	27.7	26.4	20.0	15.0	9.8
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.1	20.1	24.5	28.4	29.4	29.9	28.6	24.2	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.1	10.6	12.6	17.5	22.6	27.7	29.2	29.6	28.5	23.9	16.5	14.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.7	7.6	10.6	15.3	21.1	26.3	27.5	27.9	26.9	21.5	13.9	11.3
USGS7380251 Barataria Bay North of Grand Isle	9.2	11.8	13.9	18.7	23.4	27.7	28.7	29.0	27.9	23.0	14.9	15.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	12.3	14.1	19.4	23.7	28.0	29.2	29.6	28.2	23.8	16.4	16.0
USGS 07380335 - Little Lake Near Cutoff	12.3	14.1	16.0	20.2	24.4	28.3	29.5	30.0	28.6	24.2	17.0	17.3
USGS073802516 Barataria Pass at Grand Isle	11.8	14.6	16.3	20.5	24.7	28.2	29.2	29.8	28.5	24.0	16.8	17.3
HWQ14 - Lake Washington	10.7	13.7	16.2	20.3	24.6	28.2	29.4	29.7	28.4	23.7	16.0	16.8
HWQ16 - Bayou Grand Liard	14.9	14.9	16.8	20.3	24.7	28.1	29.6	30.2	28.9	25.0	18.7	18.4
CRMS 3985	9.8	13.3	15.6	19.8	24.1	27.8	28.6	29.0	28.1	23.2	15.4	15.9
CRMS 0258	9.4	12.7	14.6	19.2	23.1	27.1	28.1	28.9	27.9	23.2	15.3	15.1
CRMS 0224	10.2	12.4	14.5	19.3	23.5	27.8	28.7	29.2	28.1	23.5	16.0	15.6
CRMS 0163	8.9	8.8	11.1	16.4	21.7	27.2	28.8	29.2	28.3	23.9	16.0	12.0
CRMS 0162	11.4	10.6	13.1	17.6	22.6	27.5	29.1	29.5	28.6	24.5	18.5	15.4

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.9	-7.0	-5.7	-5.3	-3.3	-1.9	-0.5	-1.3	-1.5	-3.1	0.4	-6.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.7	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.1	0.6	0.3	0.5	0.3	0.0	0.0	0.0	0.1	0.4	0.1	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.7	-6.6	-5.5	-4.7	-3.0	-1.5	-1.1	-1.1	-1.0	-1.7	-0.9	-4.9
USGS7380251 Barataria Bay North of Grand Isle	-0.5	-2.0	-2.2	-1.4	-0.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-1.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.9	-2.5	-3.0	-1.2	-0.9	-0.1	0.0	-0.1	-0.1	-0.1	-0.2	-1.3
USGS 07380335 - Little Lake Near Cutoff	-0.2	-0.9	-1.3	-0.5	-0.4	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
USGS073802516 Barataria Pass at Grand Isle	-0.3	-0.7	-1.0	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
HWQ14 - Lake Washington	-0.2	-0.8	-0.7	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
HWQ16 - Bayou Grand Liard	-0.1	0.2	0.5	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.2	-0.3	-0.6	-0.3	-0.2	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.2
CRMS 0258	-0.6	-1.3	-1.1	-0.6	-0.5	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-1.0
CRMS 0224	-0.8	-2.3	-2.2	-1.1	-0.8	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-1.3
CRMS 0163	0.4	0.7	0.2	0.4	0.2	0.0	0.0	0.2	0.5	0.9	0.2	0.6
CRMS 0162	1.6	1.2	0.7	0.6	0.5	0.4	0.1	0.3	0.1	0.2	0.3	2.1

Figure WQ TEMP 207 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	13.8	15.9	20.0	23.9	27.7	28.5	29.0	27.9	23.1	14.4	15.9
CRMS0276 - Just east of Wilkinson Canal	12.4	14.3	16.6	20.3	24.6	28.4	29.4	29.9	28.6	24.2	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	11.2	13.7	18.4	23.2	27.7	29.3	29.7	28.4	23.2	16.3	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.1	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.7	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.8	15.1	17.4	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.3	15.2	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	10.0	13.6	16.0	20.0	24.2	27.8	28.5	28.9	27.9	23.1	15.2	15.8
CRMS 0258	10.1	14.2	16.1	19.9	23.5	27.7	28.5	29.0	27.9	23.3	15.2	16.2
CRMS 0224	11.1	14.7	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	9.5	9.3	11.7	17.4	21.9	27.1	28.8	29.2	28.1	22.2	15.5	12.1
CRMS 0162	12.2	11.2	15.1	18.5	22.9	27.5	29.1	29.6	28.5	24.0	17.5	14.4

V3PR3 HYST - cy 5 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.7	7.1	10.4	15.0	20.5	25.7	28.0	27.7	26.5	19.8	15.0	10.6
CRMS0276 - Just east of Wilkinson Canal	12.4	14.5	16.8	20.5	24.7	28.4	29.4	29.9	28.6	24.2	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.6	11.5	13.7	18.5	23.2	27.7	29.3	29.8	28.5	23.8	16.2	14.2
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	9.1	12.5	17.6	21.5	26.4	27.5	27.9	26.9	21.4	13.9	13.3
USGS7380251 Barataria Bay North of Grand Isle	9.6	12.9	15.6	19.6	23.8	27.7	28.6	29.0	27.8	23.0	14.8	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	13.7	16.5	20.3	24.2	28.1	29.2	29.6	28.3	23.8	16.3	17.0
USGS 07380335 - Little Lake Near Cutoff	12.7	14.7	17.3	20.7	24.7	28.3	29.5	30.0	28.6	24.2	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	12.0	14.9	17.2	20.8	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.5
HWQ14 - Lake Washington	10.8	14.0	16.7	20.4	24.7	28.2	29.3	29.7	28.4	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	15.4	15.2	17.4	20.5	24.7	28.1	29.6	30.2	28.9	25.0	18.6	18.5
CRMS 3985	9.9	13.5	15.9	20.0	24.1	27.7	28.5	28.9	27.9	23.1	15.2	15.8
CRMS 0258	9.9	13.3	15.9	19.7	23.3	27.7	28.4	28.9	27.9	23.2	15.0	16.0
CRMS 0224	10.9	13.5	16.3	20.2	23.8	27.8	28.7	29.2	28.1	23.5	15.9	16.7
CRMS 0163	9.9	10.2	12.0	17.8	21.9	27.1	28.9	29.6	28.4	23.4	15.6	12.7
CRMS 0162	13.3	13.3	15.7	19.6	23.5	28.0	29.3	29.7	28.5	24.4	18.1	16.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.7	-5.4	-4.9	-3.4	-2.1	-0.5	-1.3	-1.4	-3.3	0.5	-5.3
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.3	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.6	0.0	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-5.1	-3.5	-2.5	-2.5	-1.4	-1.1	-1.1	-1.0	-1.7	-0.8	-2.9
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-0.8	-0.5	-0.4	-0.4	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.4	-1.2	-0.6	-0.2	-0.4	0.0	0.0	-0.1	-0.1	-0.1	-0.2	-0.3
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.4	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.5	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 0258	-0.2	-0.8	-0.2	-0.2	-0.3	-0.1	-0.1	-0.1	0.0	-0.1	-0.2	-0.2
CRMS 0224	-0.2	-1.2	-0.4	-0.2	-0.4	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2
CRMS 0163	0.4	0.9	0.3	0.4	0.0	0.0	0.1	0.4	0.3	1.2	0.1	0.6
CRMS 0162	1.1	2.1	0.6	1.1	0.6	0.5	0.2	0.2	0.0	0.4	0.5	2.2

Figure WQ TEMP 208 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.8	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	11.8	13.0	15.8	19.9	24.4	28.3	29.4	29.8	28.5	24.1	17.3	17.7
Barataria Waterway at Lafitte (USACE82875)	9.6	9.6	12.9	17.5	22.8	27.4	29.2	29.4	28.2	23.2	16.4	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.4	14.9	17.4	20.7	24.9	28.3	29.4	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.6	14.4	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.7	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	13.9	15.7	19.8	23.5	26.9	27.8	28.2	27.7	23.3	15.4	16.4
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.0	7.9	11.2	16.4	21.6	26.8	28.8	28.8	27.5	22.2	15.9	12.4
CRMS 0162	8.6	9.1	13.1	17.3	22.4	26.9	29.0	28.8	28.2	23.8	18.4	15.7

V3PR3 HYST - cy 5 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.1	14.6	20.6	26.0	28.6	27.9	26.2	19.8	15.0	10.6
CRMS0276 - Just east of Wilkinson Canal	11.7	13.9	16.3	20.2	24.6	28.3	29.3	29.8	28.5	24.2	17.2	17.8
Barataria Waterway at Lafitte (USACE82875)	9.9	10.2	13.1	17.9	23.0	27.6	29.2	29.5	28.4	23.7	16.4	15.3
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.5	10.7	15.5	21.1	26.1	28.0	27.9	26.9	21.5	14.0	13.3
USGS7380251 Barataria Bay North of Grand Isle	9.0	11.6	14.4	18.8	23.5	27.5	28.6	28.9	27.8	23.0	14.9	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	12.0	14.7	19.5	23.9	27.8	29.0	29.5	28.2	23.8	16.4	17.0
USGS 07380335 - Little Lake Near Cutoff	11.8	13.9	16.4	20.3	24.6	28.1	29.4	29.9	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.5	14.4	16.6	20.6	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.5
HWQ14 - Lake Washington	10.5	13.6	16.3	20.3	24.6	28.2	29.3	29.7	28.4	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	14.3	14.7	17.0	20.4	24.7	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.7	13.2	15.8	19.8	24.1	27.7	28.6	28.9	28.1	23.2	15.4	16.1
CRMS 0258	8.8	12.6	14.9	19.2	23.1	26.7	27.7	28.1	27.7	23.2	15.4	16.2
CRMS 0224	9.5	12.2	15.0	19.4	23.6	27.5	28.6	29.1	28.1	23.5	16.0	16.8
CRMS 0163	8.6	8.4	11.4	16.9	21.8	27.0	28.8	28.9	28.0	23.4	16.1	14.2
CRMS 0162	9.5	9.7	13.9	18.0	22.8	27.1	29.1	29.2	28.4	24.3	18.5	17.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.1	-7.1	-5.7	-5.3	-3.4	-1.7	0.3	-0.9	-1.7	-3.3	0.3	-5.4
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.9	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.3	0.6	0.2	0.4	0.2	0.1	0.1	0.1	0.1	0.5	0.0	0.7
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.1	-6.7	-5.3	-4.6	-2.9	-1.7	-0.6	-1.1	-1.0	-1.7	-0.8	-2.9
USGS7380251 Barataria Bay North of Grand Isle	-0.8	-2.2	-1.7	-1.2	-0.7	-0.3	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.4	-2.8	-2.4	-1.0	-0.7	-0.3	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2
USGS 07380335 - Little Lake Near Cutoff	-0.6	-1.0	-0.9	-0.4	-0.3	-0.2	-0.1	0.0	0.0	0.0	-0.1	0.0
USGS073802516 Barataria Pass at Grand Isle	-0.6	-0.8	-0.7	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0
HWQ14 - Lake Washington	-0.4	-0.9	-0.6	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.3	0.3	0.4	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.3	-0.4	-0.5	-0.3	-0.1	-0.1	-0.2	-0.1	0.0	0.0	-0.1	0.0
CRMS 0258	-1.2	-1.3	-0.9	-0.5	-0.4	-0.2	0.0	-0.1	0.0	-0.1	-0.1	-0.2
CRMS 0224	-1.5	-2.4	-1.7	-0.9	-0.6	-0.4	-0.2	-0.2	-0.1	-0.1	-0.1	-0.2
CRMS 0163	0.5	0.5	0.2	0.5	0.2	0.2	0.0	0.1	0.4	1.2	0.3	1.8
CRMS 0162	0.9	0.6	0.7	0.7	0.4	0.3	0.1	0.4	0.2	0.4	0.2	1.4

Figure WQ TEMP 209 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	14.0	15.7	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.3	15.0	16.0	19.9	24.2	28.3	29.4	29.8	28.6	24.2	17.3	16.9
Barataria Waterway at Lafitte (USACE82875)	10.5	12.0	12.8	17.3	22.2	27.1	29.2	29.5	28.2	23.4	16.4	12.8
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.3	16.0	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.7	15.2	17.3	20.7	24.8	28.3	29.4	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.4	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.2	15.7	16.9	20.2	24.5	28.2	29.6	30.2	28.9	25.0	18.8	18.1
CRMS 3985	10.0	13.6	16.0	20.1	24.3	27.9	28.8	29.0	28.1	23.3	15.5	16.1
CRMS 0258	10.2	14.7	15.8	19.8	23.5	27.0	27.8	28.3	27.9	23.3	15.4	16.0
CRMS 0224	11.1	14.9	16.6	20.4	24.3	27.9	28.8	29.3	28.2	23.6	16.1	16.9
CRMS 0163	9.4	10.4	11.1	16.1	21.2	26.5	28.8	28.9	27.6	22.7	15.8	10.7
CRMS 0162	11.7	13.9	13.3	17.2	22.0	26.8	29.1	28.9	28.3	24.2	18.3	11.8

V3PR3 HYST - cy 5 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.7	10.2	14.6	20.7	26.1	28.7	27.9	26.3	20.0	15.0	9.1
CRMS0276 - Just east of Wilkinson Canal	12.3	14.9	16.5	20.2	24.4	28.3	29.3	29.8	28.6	24.2	17.2	17.3
Barataria Waterway at Lafitte (USACE82875)	10.5	13.4	13.1	17.8	22.5	27.3	29.2	29.6	28.4	23.9	16.5	13.3
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.3	10.8	15.4	21.1	26.1	28.0	27.9	26.9	21.5	13.9	9.8
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.7	14.5	18.8	23.4	27.5	28.6	28.9	27.9	23.0	14.9	14.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.5	14.8	14.8	19.5	23.7	27.8	29.0	29.6	28.2	23.8	16.4	14.4
USGS 07380335 - Little Lake Near Cutoff	12.6	15.1	16.5	20.3	24.4	28.1	29.4	30.0	28.6	24.2	17.0	16.5
USGS073802516 Barataria Pass at Grand Isle	12.0	15.3	16.7	20.6	24.7	28.2	29.2	29.8	28.5	24.0	16.8	16.9
HWQ14 - Lake Washington	10.8	14.4	16.4	20.3	24.6	28.1	29.3	29.7	28.4	23.7	16.0	16.5
HWQ16 - Bayou Grand Liard	15.2	15.4	17.2	20.4	24.7	28.2	29.6	30.2	28.9	25.0	18.8	18.1
CRMS 3985	10.0	13.6	15.7	19.8	24.1	27.8	28.6	29.0	28.1	23.2	15.4	15.7
CRMS 0258	10.0	14.5	14.8	19.2	23.1	26.8	27.7	28.2	27.9	23.2	15.3	14.6
CRMS 0224	10.9	14.6	14.9	19.4	23.5	27.4	28.6	29.2	28.1	23.5	16.0	14.6
CRMS 0163	9.7	12.0	11.4	16.8	21.4	26.7	28.9	28.9	28.1	23.9	16.0	11.2
CRMS 0162	12.6	14.2	14.0	17.6	22.6	27.0	29.1	29.3	28.5	24.5	18.5	13.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-6.4	-5.5	-5.3	-3.3	-1.6	0.3	-1.0	-1.7	-3.1	0.4	-6.7
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.4
Barataria Waterway at Lafitte (USACE82875)	0.0	1.4	0.3	0.5	0.3	0.2	0.0	0.0	0.1	0.5	0.1	0.5
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-3.0	-5.2	-4.7	-3.0	-1.7	-0.7	-1.1	-1.0	-1.7	-0.9	-6.4
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-0.1	-1.5	-1.3	-0.8	-0.3	-0.1	-0.1	-0.1	-0.1	-0.2	-1.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.3	-0.2	-2.2	-1.1	-0.9	-0.4	-0.2	0.0	-0.1	-0.1	-0.3	-2.8
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-0.8	-0.4	-0.4	-0.2	-0.1	0.0	0.0	0.0	-0.1	-1.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-0.6	-0.3	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.7
HWQ14 - Lake Washington	-0.1	-0.1	-0.4	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.5
HWQ16 - Bayou Grand Liard	0.0	-0.2	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.1	0.0	-0.4	-0.3	-0.2	-0.1	-0.2	-0.1	0.0	0.0	-0.1	-0.4
CRMS 0258	-0.2	-0.2	-1.0	-0.6	-0.5	-0.2	0.0	-0.1	0.0	-0.1	-0.1	-1.5
CRMS 0224	-0.2	-0.3	-1.8	-1.0	-0.8	-0.5	-0.2	-0.1	-0.1	-0.1	-0.2	-2.3
CRMS 0163	0.3	1.6	0.3	0.7	0.2	0.2	0.0	0.1	0.6	1.1	0.2	0.4
CRMS 0162	0.9	0.3	0.7	0.4	0.6	0.2	0.1	0.4	0.1	0.3	0.2	1.4

Figure WQ TEMP 210 - Monthly Average Temperature (°C) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.9	15.8	19.9	24.0	27.7	28.5	28.9	27.8	23.0	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	12.0	14.2	15.5	19.5	24.2	28.3	29.4	29.9	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.1	10.9	12.5	16.5	22.3	27.3	29.2	29.5	28.1	23.3	16.4	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.1	27.8	28.6	29.0	27.8	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.3	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.0	15.3	16.6	20.0	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.6	16.1	20.1	24.3	27.8	28.7	29.0	28.1	23.3	15.5	16.2
CRMS 0258	10.0	14.1	15.7	19.8	23.5	27.0	27.8	28.3	27.2	23.0	15.4	16.5
CRMS 0224	11.0	14.7	16.6	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.6	8.8	11.0	15.6	21.4	26.7	28.8	28.8	27.3	22.3	16.0	12.9
CRMS 0162	9.7	10.5	12.6	16.5	22.2	26.8	29.0	28.9	27.9	23.5	18.5	15.9

V3PR4 HYST - cy 5 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	7.3	10.1	14.5	20.6	26.0	28.6	27.9	26.1	19.8	15.1	10.7
CRMS0276 - Just east of Wilkinson Canal	12.0	14.5	16.3	19.9	24.5	28.3	29.3	29.8	28.5	24.2	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.0	12.7	16.9	22.5	27.5	29.2	29.5	28.1	23.6	16.5	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.8	9.5	10.7	15.4	21.1	26.1	27.8	27.6	26.4	21.2	13.7	13.5
USGS7380251 Barataria Bay North of Grand Isle	9.1	12.4	13.7	18.2	23.1	27.4	28.6	28.9	27.8	23.0	14.9	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	12.6	12.7	18.1	22.9	27.3	28.8	29.4	28.1	23.5	16.2	16.7
USGS 07380335 - Little Lake Near Cutoff	12.1	14.1	14.9	19.5	23.9	27.9	29.3	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.6	14.8	15.6	20.2	24.6	28.1	29.2	29.8	28.5	24.0	16.8	17.5
HWQ14 - Lake Washington	10.5	14.0	16.0	20.1	24.5	28.1	29.3	29.7	28.4	23.7	15.9	16.8
HWQ16 - Bayou Grand Liard	14.8	15.3	16.8	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.8	13.4	15.5	19.7	24.0	27.7	28.6	28.9	28.1	23.2	15.4	16.2
CRMS 0258	9.2	12.8	14.1	18.7	22.8	26.7	27.8	28.2	27.1	22.8	15.3	16.4
CRMS 0224	9.8	12.4	13.5	18.4	23.0	27.1	28.5	29.1	28.0	23.3	16.0	16.7
CRMS 0163	9.0	9.5	11.2	16.0	21.7	26.9	28.9	28.9	27.4	23.3	16.2	13.9
CRMS 0162	11.3	12.5	13.4	17.0	22.7	27.1	29.1	29.2	28.3	24.1	18.5	16.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.5	-5.6	-5.4	-3.4	-1.7	0.2	-1.0	-1.7	-3.3	0.4	-5.3
CRMS0276 - Just east of Wilkinson Canal	0.0	0.3	0.7	0.4	0.2	0.0	-0.1	0.0	0.0	0.1	0.0	-0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.2	0.4	0.3	0.2	0.0	0.0	0.0	0.3	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.6	-4.6	-5.3	-4.7	-3.0	-1.7	-0.8	-1.4	-1.4	-2.0	-1.1	-2.7
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-1.4	-2.4	-1.9	-1.1	-0.4	-0.1	-0.1	-0.1	-0.2	-0.2	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.5	-2.3	-4.3	-2.5	-1.8	-0.8	-0.4	-0.2	-0.2	-0.4	-0.4	-0.6
USGS 07380335 - Little Lake Near Cutoff	-0.4	-1.0	-2.5	-1.2	-1.0	-0.4	-0.2	0.0	0.0	-0.1	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.5	-0.5	-1.7	-0.7	-0.3	-0.1	-0.1	0.0	-0.1	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.4	-0.5	-0.9	-0.4	-0.2	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.2	0.3	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.2	-0.2	-0.7	-0.4	-0.3	-0.1	-0.1	-0.1	0.0	0.0	-0.1	0.0
CRMS 0258	-0.7	-1.3	-1.6	-1.0	-0.7	-0.3	0.0	-0.1	-0.1	-0.2	-0.1	-0.2
CRMS 0224	-1.2	-2.3	-3.1	-2.0	-1.3	-0.8	-0.4	-0.3	-0.1	-0.3	-0.2	-0.4
CRMS 0163	0.3	0.7	0.2	0.4	0.3	0.2	0.0	0.1	0.1	0.9	0.2	0.9
CRMS 0162	1.6	2.0	0.8	0.5	0.5	0.3	0.0	0.4	0.4	0.6	0.0	0.1

Figure WQ TEMP 211 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	13.8	15.8	19.9	24.0	27.7	28.5	29.0	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	13.4	15.4	19.8	24.3	28.3	29.4	29.9	28.6	24.2	17.3	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	10.0	12.3	17.0	22.4	27.7	29.2	29.6	28.4	23.6	16.4	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.1	16.1	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.1	20.1	24.2	27.8	28.7	29.1	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.5	15.0	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.0	14.7	16.3	20.1	24.5	28.1	29.6	30.2	28.9	25.0	18.8	18.4
CRMS 3985	10.0	13.6	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	14.0	15.7	19.8	23.5	27.2	28.2	29.0	27.9	23.3	15.5	16.1
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	16.9
CRMS 0163	8.5	8.1	10.9	15.9	21.4	27.2	28.8	29.0	27.8	23.0	15.8	11.4
CRMS 0162	9.8	9.4	12.4	17.0	22.1	27.1	29.1	29.2	28.4	24.3	18.2	13.3

V3PR4 HYST - cy 5 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.3	6.8	10.1	14.6	20.6	25.8	27.9	27.7	26.3	20.1	14.9	9.9
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.2	20.1	24.5	28.3	29.4	29.9	28.6	24.2	17.2	17.5
Barataria Waterway at Lafitte (USACE82875)	10.1	10.6	12.6	17.5	22.6	27.7	29.2	29.6	28.4	23.9	16.4	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	6.8	7.7	10.7	15.4	21.0	26.0	27.0	27.6	26.5	21.3	13.6	11.7
USGS7380251 Barataria Bay North of Grand Isle	9.2	11.4	13.4	18.2	23.1	27.6	28.6	29.0	27.9	23.0	14.9	14.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.3	12.6	18.1	22.9	27.9	29.1	29.5	28.2	23.6	16.2	14.9
USGS 07380335 - Little Lake Near Cutoff	12.1	12.9	14.6	19.5	23.9	28.2	29.5	30.0	28.6	24.2	17.0	16.9
USGS073802516 Barataria Pass at Grand Isle	11.6	13.9	15.5	20.2	24.6	28.2	29.2	29.8	28.5	24.0	16.7	17.1
HWQ14 - Lake Washington	10.6	13.4	15.9	20.1	24.5	28.2	29.3	29.7	28.4	23.7	15.9	16.7
HWQ16 - Bayou Grand Liard	14.8	14.7	16.6	20.3	24.7	28.1	29.6	30.2	28.9	25.0	18.7	18.3
CRMS 3985	9.8	13.2	15.3	19.7	24.0	27.7	28.6	29.0	28.1	23.2	15.3	15.9
CRMS 0258	9.2	12.0	14.0	18.8	22.8	27.0	28.0	28.9	27.9	23.1	15.3	14.8
CRMS 0224	9.7	11.2	13.3	18.4	23.0	27.7	28.6	29.2	28.0	23.4	15.9	14.9
CRMS 0163	8.9	8.8	11.2	16.4	21.7	27.3	28.8	29.1	28.3	23.8	16.0	12.1
CRMS 0162	11.5	10.6	13.0	17.5	22.6	27.5	29.2	29.5	28.5	24.5	18.5	15.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.8	-7.0	-5.7	-5.3	-3.4	-2.0	-0.6	-1.3	-1.6	-3.0	0.3	-5.9
CRMS0276 - Just east of Wilkinson Canal	0.0	0.7	0.8	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.6	0.3	0.4	0.3	0.0	0.0	0.0	0.1	0.3	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.6	-6.4	-5.4	-4.6	-3.0	-1.8	-1.6	-1.5	-1.4	-1.9	-1.1	-4.6
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-2.4	-2.7	-1.9	-1.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.2	-1.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.6	-4.5	-4.5	-2.4	-1.7	-0.2	-0.1	-0.1	-0.2	-0.2	-0.4	-2.3
USGS 07380335 - Little Lake Near Cutoff	-0.4	-2.1	-2.7	-1.2	-1.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.8
USGS073802516 Barataria Pass at Grand Isle	-0.5	-1.4	-1.9	-0.6	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.5
HWQ14 - Lake Washington	-0.3	-1.1	-1.0	-0.4	-0.2	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.3
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.2	-0.4	-0.9	-0.4	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.2
CRMS 0258	-0.8	-1.9	-1.7	-1.0	-0.7	-0.2	-0.2	-0.1	0.0	-0.1	-0.1	-1.3
CRMS 0224	-1.3	-3.5	-3.3	-1.9	-1.3	-0.2	-0.2	-0.2	-0.1	-0.2	-0.2	-2.0
CRMS 0163	0.4	0.8	0.2	0.5	0.3	0.1	0.0	0.2	0.5	0.8	0.2	0.6
CRMS 0162	1.7	1.2	0.6	0.5	0.5	0.4	0.1	0.3	0.1	0.2	0.3	2.3

Figure WQ TEMP 212 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	13.8	15.9	20.0	23.9	27.7	28.5	29.0	27.9	23.1	14.4	15.9
CRMS0276 - Just east of Wilkinson Canal	12.4	14.3	16.6	20.3	24.6	28.4	29.4	29.9	28.6	24.2	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	11.2	13.7	18.4	23.2	27.7	29.3	29.7	28.4	23.2	16.3	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.1	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.7	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.8	15.1	17.4	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.3	15.2	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	10.0	13.6	16.0	20.0	24.2	27.8	28.5	28.9	27.9	23.1	15.2	15.8
CRMS 0258	10.1	14.2	16.1	19.9	23.5	27.7	28.5	29.0	27.9	23.3	15.2	16.2
CRMS 0224	11.1	14.7	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	9.5	9.3	11.7	17.4	21.9	27.1	28.8	29.2	28.1	22.2	15.5	12.1
CRMS 0162	12.2	11.2	15.1	18.5	22.9	27.5	29.1	29.6	28.5	24.0	17.5	14.4

V3PR4 HYST - cy 5 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.2	10.5	15.0	20.3	25.5	27.8	27.6	26.4	19.8	14.7	10.5
CRMS0276 - Just east of Wilkinson Canal	12.4	14.4	16.7	20.4	24.7	28.4	29.4	29.9	28.6	24.2	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	11.4	13.4	18.3	23.2	27.7	29.2	29.8	28.5	23.7	16.2	14.0
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	9.4	12.8	17.6	21.5	26.0	27.0	27.5	26.5	21.3	13.7	13.7
USGS7380251 Barataria Bay North of Grand Isle	9.6	12.9	15.5	19.6	23.7	27.7	28.6	28.9	27.8	23.0	14.8	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	12.8	15.9	20.1	23.8	28.0	29.1	29.5	28.2	23.6	16.1	16.7
USGS 07380335 - Little Lake Near Cutoff	12.6	14.4	17.2	20.6	24.6	28.3	29.5	30.0	28.6	24.2	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	12.0	14.6	17.1	20.7	24.8	28.2	29.2	29.8	28.5	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	13.9	16.6	20.4	24.7	28.2	29.3	29.7	28.4	23.7	15.9	16.8
HWQ16 - Bayou Grand Liard	15.3	15.1	17.4	20.4	24.7	28.1	29.6	30.1	28.9	24.9	18.6	18.5
CRMS 3985	9.9	13.5	16.0	19.9	24.1	27.7	28.5	28.9	27.9	23.0	15.1	15.8
CRMS 0258	9.9	13.1	15.9	19.6	23.2	27.6	28.3	28.9	27.9	23.1	14.9	15.9
CRMS 0224	10.8	13.0	16.1	20.0	23.6	27.7	28.6	29.2	28.0	23.4	15.9	16.7
CRMS 0163	9.8	10.1	11.9	17.6	21.9	27.1	28.9	29.6	28.4	23.4	15.6	12.5
CRMS 0162	13.4	13.4	15.9	19.8	23.5	27.9	29.3	29.7	28.5	24.4	18.1	16.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.6	-5.4	-4.9	-3.6	-2.3	-0.7	-1.4	-1.5	-3.3	0.3	-5.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	-0.2	-0.1	0.0	0.0	0.0	0.1	0.1	0.5	-0.1	-0.5
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-4.7	-3.2	-2.4	-2.5	-1.8	-1.6	-1.5	-1.3	-1.9	-1.0	-2.5
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-0.9	-0.5	-0.5	-0.5	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.7	-2.1	-1.1	-0.5	-0.8	-0.1	-0.1	-0.1	-0.2	-0.2	-0.4	-0.5
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.6	-0.2	-0.2	-0.3	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.7	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.6	-0.2	-0.1	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 0258	-0.2	-1.1	-0.3	-0.2	-0.4	-0.1	-0.2	-0.1	0.0	-0.2	-0.2	-0.3
CRMS 0224	-0.3	-1.7	-0.6	-0.4	-0.6	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2	-0.3
CRMS 0163	0.3	0.8	0.2	0.2	0.0	0.0	0.1	0.4	0.2	1.2	0.1	0.5
CRMS 0162	1.2	2.2	0.8	1.3	0.6	0.4	0.2	0.2	0.1	0.4	0.5	2.3

Figure WQ TEMP 213 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.8	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	11.8	13.0	15.8	19.9	24.4	28.3	29.4	29.8	28.5	24.1	17.3	17.7
Barataria Waterway at Lafitte (USACE82875)	9.6	9.6	12.9	17.5	22.8	27.4	29.2	29.4	28.2	23.2	16.4	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.4	14.9	17.4	20.7	24.9	28.3	29.4	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.6	14.4	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.7	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	13.9	15.7	19.8	23.5	26.9	27.8	28.2	27.7	23.3	15.4	16.4
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.0	7.9	11.2	16.4	21.6	26.8	28.8	28.8	27.5	22.2	15.9	12.4
CRMS 0162	8.6	9.1	13.1	17.3	22.4	26.9	29.0	28.8	28.2	23.8	18.4	15.7

V3PR4 HYST - cy 5 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.0	14.6	20.5	25.9	28.4	27.8	26.2	19.9	15.0	10.7
CRMS0276 - Just east of Wilkinson Canal	11.6	13.8	16.4	20.3	24.6	28.3	29.3	29.8	28.5	24.2	17.2	17.8
Barataria Waterway at Lafitte (USACE82875)	9.8	10.2	13.1	17.9	23.0	27.6	29.2	29.5	28.3	23.7	16.5	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	7.6	10.8	15.6	21.1	26.0	27.7	27.6	26.6	21.3	13.7	13.6
USGS7380251 Barataria Bay North of Grand Isle	8.9	11.0	14.2	18.6	23.3	27.5	28.6	28.9	27.8	23.0	14.9	15.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.2	10.0	13.1	18.4	23.2	27.4	28.8	29.3	28.1	23.6	16.2	16.8
USGS 07380335 - Little Lake Near Cutoff	11.4	12.4	15.3	19.7	24.2	28.0	29.3	29.9	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.1	13.6	15.9	20.3	24.7	28.1	29.2	29.8	28.5	24.0	16.8	17.5
HWQ14 - Lake Washington	10.3	13.2	16.1	20.2	24.6	28.1	29.3	29.7	28.4	23.7	15.9	16.8
HWQ16 - Bayou Grand Liard	14.1	14.4	16.9	20.3	24.7	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.6	13.1	15.7	19.8	24.1	27.7	28.6	28.9	28.1	23.2	15.3	16.1
CRMS 0258	8.5	11.9	14.4	18.9	22.9	26.7	27.7	28.0	27.7	23.2	15.3	16.2
CRMS 0224	8.6	10.9	13.9	18.7	23.2	27.2	28.4	29.0	28.0	23.4	15.9	16.7
CRMS 0163	8.6	8.4	11.5	17.0	21.8	27.0	28.9	28.9	27.9	23.4	16.2	14.1
CRMS 0162	9.6	9.8	13.7	17.9	22.8	27.2	29.1	29.2	28.5	24.3	18.6	17.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.1	-7.1	-5.7	-5.3	-3.5	-1.7	0.0	-1.1	-1.7	-3.2	0.4	-5.3
CRMS0276 - Just east of Wilkinson Canal	-0.2	0.8	0.6	0.3	0.2	0.0	0.0	0.0	0.0	0.1	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.6	0.2	0.4	0.2	0.2	0.1	0.1	0.1	0.5	0.1	0.5
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.0	-6.5	-5.2	-4.4	-3.0	-1.8	-0.9	-1.3	-1.3	-1.9	-1.1	-2.6
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-2.8	-1.9	-1.5	-0.9	-0.3	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.6	-4.8	-3.9	-2.1	-1.4	-0.7	-0.4	-0.4	-0.2	-0.3	-0.5	-0.5
USGS 07380335 - Little Lake Near Cutoff	-1.0	-2.4	-2.0	-1.0	-0.6	-0.3	-0.1	-0.1	0.0	0.0	-0.1	0.0
USGS073802516 Barataria Pass at Grand Isle	-1.0	-1.6	-1.4	-0.6	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.6	-1.3	-0.8	-0.4	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.6	0.1	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.3	-0.6	-0.5	-0.3	-0.2	-0.1	-0.2	-0.1	0.0	0.0	-0.1	0.0
CRMS 0258	-1.5	-2.0	-1.4	-0.9	-0.6	-0.3	0.0	-0.2	-0.1	-0.1	-0.1	-0.2
CRMS 0224	-2.4	-3.7	-2.7	-1.7	-1.0	-0.7	-0.4	-0.3	-0.1	-0.2	-0.2	-0.3
CRMS 0163	0.6	0.5	0.3	0.5	0.2	0.2	0.0	0.1	0.4	1.2	0.3	1.7
CRMS 0162	1.0	0.7	0.6	0.6	0.4	0.3	0.1	0.4	0.3	0.5	0.2	1.3

Figure WQ TEMP 214 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	14.0	15.7	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.3	15.0	16.0	19.9	24.2	28.3	29.4	29.8	28.6	24.2	17.3	16.9
Barataria Waterway at Lafitte (USACE82875)	10.5	12.0	12.8	17.3	22.2	27.1	29.2	29.5	28.2	23.4	16.4	12.8
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.3	16.0	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.7	15.2	17.3	20.7	24.8	28.3	29.4	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.4	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.2	15.7	16.9	20.2	24.5	28.2	29.6	30.2	28.9	25.0	18.8	18.1
CRMS 3985	10.0	13.6	16.0	20.1	24.3	27.9	28.8	29.0	28.1	23.3	15.5	16.1
CRMS 0258	10.2	14.7	15.8	19.8	23.5	27.0	27.8	28.3	27.9	23.3	15.4	16.0
CRMS 0224	11.1	14.9	16.6	20.4	24.3	27.9	28.8	29.3	28.2	23.6	16.1	16.9
CRMS 0163	9.4	10.4	11.1	16.1	21.2	26.5	28.8	28.9	27.6	22.7	15.8	10.7
CRMS 0162	11.7	13.9	13.3	17.2	22.0	26.8	29.1	28.9	28.3	24.2	18.3	11.8

V3PR4 HYST - cy 5 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.8	10.2	14.6	20.7	26.1	28.4	27.8	26.3	20.0	15.0	9.3
CRMS0276 - Just east of Wilkinson Canal	12.3	14.8	16.5	20.2	24.4	28.3	29.3	29.8	28.6	24.2	17.2	17.1
Barataria Waterway at Lafitte (USACE82875)	10.4	13.1	13.0	17.8	22.5	27.3	29.2	29.5	28.4	23.9	16.4	13.2
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.8	11.0	15.5	21.0	26.1	27.7	27.6	26.6	21.3	13.7	10.0
USGS7380251 Barataria Bay North of Grand Isle	9.6	13.7	14.2	18.4	23.1	27.4	28.6	28.9	27.9	23.0	14.9	13.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	14.6	13.3	18.3	22.9	27.3	28.8	29.6	28.1	23.6	16.2	12.6
USGS 07380335 - Little Lake Near Cutoff	12.6	15.1	15.5	19.7	23.9	27.9	29.3	30.0	28.6	24.2	17.0	15.4
USGS073802516 Barataria Pass at Grand Isle	12.0	15.3	16.2	20.3	24.6	28.1	29.2	29.8	28.5	24.0	16.8	16.1
HWQ14 - Lake Washington	10.8	14.4	16.2	20.2	24.5	28.1	29.3	29.7	28.4	23.7	15.9	16.3
HWQ16 - Bayou Grand Liard	15.2	15.4	17.1	20.3	24.7	28.2	29.7	30.2	28.9	25.0	18.7	17.9
CRMS 3985	9.9	13.6	15.5	19.7	24.0	27.7	28.6	28.9	28.1	23.2	15.4	15.5
CRMS 0258	9.9	14.4	14.4	18.8	22.8	26.7	27.7	28.2	27.9	23.2	15.3	14.0
CRMS 0224	10.8	14.5	13.9	18.6	23.0	27.1	28.5	29.2	28.0	23.4	15.9	13.5
CRMS 0163	9.7	11.8	11.4	16.8	21.5	26.8	28.9	28.9	28.1	23.8	16.0	11.2
CRMS 0162	12.9	14.1	14.0	17.7	22.6	27.0	29.1	29.3	28.5	24.4	18.5	13.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.2	-5.5	-5.3	-3.4	-1.6	0.0	-1.1	-1.7	-3.1	0.3	-6.6
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.2	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	-0.1	1.1	0.2	0.5	0.3	0.2	0.0	0.0	0.1	0.5	0.0	0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.0	-2.5	-5.0	-4.6	-3.0	-1.7	-0.9	-1.4	-1.4	-1.9	-1.1	-6.1
USGS7380251 Barataria Bay North of Grand Isle	-0.2	-0.1	-1.8	-1.7	-1.1	-0.4	-0.1	-0.1	-0.1	-0.1	-0.2	-2.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.6	-0.3	-3.7	-2.3	-1.8	-0.8	-0.4	-0.1	-0.2	-0.3	-0.5	-4.6
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-1.9	-1.1	-1.0	-0.4	-0.1	0.0	0.0	0.0	-0.1	-2.2
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.2	-0.6	-0.3	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-1.5
HWQ14 - Lake Washington	-0.1	-0.1	-0.6	-0.4	-0.2	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.7
HWQ16 - Bayou Grand Liard	0.0	-0.2	0.2	0.1	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.1	0.0	-0.5	-0.4	-0.3	-0.1	-0.2	-0.1	0.0	0.0	-0.1	-0.6
CRMS 0258	-0.2	-0.3	-1.4	-1.0	-0.7	-0.3	0.0	-0.2	0.0	-0.1	-0.2	-2.0
CRMS 0224	-0.3	-0.4	-2.7	-1.8	-1.3	-0.8	-0.4	-0.1	-0.1	-0.2	-0.2	-3.4
CRMS 0163	0.3	1.4	0.3	0.7	0.2	0.2	0.0	0.0	0.5	1.0	0.2	0.5
CRMS 0162	1.2	0.3	0.6	0.5	0.6	0.2	0.1	0.4	0.2	0.2	0.2	1.5

Figure WQ TEMP 215 - Monthly Average Temperature (°C) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.9	15.8	19.9	24.0	27.7	28.5	28.9	27.8	23.0	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	12.0	14.2	15.5	19.5	24.2	28.3	29.4	29.9	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.1	10.9	12.5	16.5	22.3	27.3	29.2	29.5	28.1	23.3	16.4	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.1	27.8	28.6	29.0	27.8	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.3	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.0	15.3	16.6	20.0	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.6	16.1	20.1	24.3	27.8	28.7	29.0	28.1	23.3	15.5	16.2
CRMS 0258	10.0	14.1	15.7	19.8	23.5	27.0	27.8	28.3	27.2	23.0	15.4	16.5
CRMS 0224	11.0	14.7	16.6	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.6	8.8	11.0	15.6	21.4	26.7	28.8	28.8	27.3	22.3	16.0	12.9
CRMS 0162	9.7	10.5	12.6	16.5	22.2	26.8	29.0	28.9	27.9	23.5	18.5	15.9

V3PR5 HYST - cy 5 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	7.2	10.1	14.6	20.6	26.1	28.7	27.9	26.0	19.7	15.2	10.9
CRMS0276 - Just east of Wilkinson Canal	12.0	14.5	16.3	19.9	24.5	28.3	29.3	29.8	28.5	24.2	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	10.1	11.1	12.8	17.0	22.5	27.5	29.2	29.5	28.1	23.5	16.5	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	6.9	9.4	10.7	15.3	21.1	26.1	28.1	27.8	26.6	21.3	13.8	13.5
USGS7380251 Barataria Bay North of Grand Isle	8.9	11.8	13.0	17.7	22.8	27.2	28.6	28.9	27.7	22.8	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	12.8	13.1	18.3	23.0	27.5	28.8	29.5	28.1	23.5	16.2	16.8
USGS 07380335 - Little Lake Near Cutoff	12.1	14.2	15.2	19.6	24.0	28.0	29.3	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.6	14.8	15.8	20.2	24.6	28.1	29.2	29.8	28.5	24.0	16.8	17.5
HWQ14 - Lake Washington	10.5	14.0	15.9	20.1	24.5	28.1	29.2	29.7	28.4	23.6	15.9	16.8
HWQ16 - Bayou Grand Liard	14.8	15.3	16.9	20.3	24.6	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.7	13.2	15.0	19.5	23.9	27.7	28.5	28.9	28.1	23.2	15.4	16.1
CRMS 0258	9.4	13.0	14.3	18.8	22.9	26.7	27.8	28.2	27.1	22.8	15.3	16.4
CRMS 0224	10.1	12.8	14.0	18.7	23.1	27.3	28.5	29.1	28.0	23.3	16.0	16.7
CRMS 0163	9.0	9.5	11.3	16.0	21.7	27.0	28.9	28.9	27.4	23.2	16.2	13.9
CRMS 0162	11.4	12.4	13.3	17.1	22.6	27.1	29.1	29.2	28.3	24.0	18.5	16.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-6.6	-5.6	-5.4	-3.4	-1.6	0.3	-1.1	-1.8	-3.3	0.6	-5.1
CRMS0276 - Just east of Wilkinson Canal	0.0	0.3	0.7	0.4	0.2	0.0	0.0	0.0	0.0	0.1	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.3	0.4	0.3	0.2	0.0	0.0	0.0	0.3	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.5	-4.8	-5.4	-4.7	-3.0	-1.7	-0.6	-1.2	-1.3	-1.9	-1.0	-2.7
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-1.9	-3.1	-2.4	-1.4	-0.6	-0.2	-0.2	-0.2	-0.3	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.4	-2.1	-4.0	-2.2	-1.6	-0.6	-0.4	-0.2	-0.2	-0.3	-0.4	-0.5
USGS 07380335 - Little Lake Near Cutoff	-0.4	-0.8	-2.1	-1.1	-0.9	-0.3	-0.2	0.0	0.0	-0.1	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	-0.5	-0.5	-1.6	-0.6	-0.3	-0.1	-0.1	0.0	-0.1	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.4	-0.5	-1.0	-0.5	-0.3	-0.2	-0.2	0.0	0.0	-0.1	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.3	0.3	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.3	-0.3	-1.1	-0.6	-0.4	-0.1	-0.2	-0.1	0.0	-0.1	-0.1	0.0
CRMS 0258	-0.6	-1.1	-1.4	-0.9	-0.6	-0.2	0.0	-0.1	-0.1	-0.2	-0.1	-0.1
CRMS 0224	-0.9	-1.9	-2.7	-1.7	-1.1	-0.6	-0.4	-0.2	-0.1	-0.3	-0.1	-0.3
CRMS 0163	0.4	0.7	0.2	0.4	0.3	0.3	0.0	0.0	0.2	0.8	0.2	1.0
CRMS 0162	1.7	2.0	0.7	0.6	0.5	0.3	0.0	0.4	0.4	0.6	0.0	0.1

Figure WQ TEMP 216 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	13.8	15.8	19.9	24.0	27.7	28.5	29.0	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	13.4	15.4	19.8	24.3	28.3	29.4	29.9	28.6	24.2	17.3	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	10.0	12.3	17.0	22.4	27.7	29.2	29.6	28.4	23.6	16.4	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.1	16.1	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.1	20.1	24.2	27.8	28.7	29.1	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.5	15.0	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.0	14.7	16.3	20.1	24.5	28.1	29.6	30.2	28.9	25.0	18.8	18.4
CRMS 3985	10.0	13.6	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	14.0	15.7	19.8	23.5	27.2	28.2	29.0	27.9	23.3	15.5	16.1
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	16.9
CRMS 0163	8.5	8.1	10.9	15.9	21.4	27.2	28.8	29.0	27.8	23.0	15.8	11.4
CRMS 0162	9.8	9.4	12.4	17.0	22.1	27.1	29.1	29.2	28.4	24.3	18.2	13.3

V3PR5 HYST - cy 5 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.4	6.8	10.1	14.6	20.6	25.7	27.8	27.4	26.1	19.9	15.0	10.0
CRMS0276 - Just east of Wilkinson Canal	12.0	14.1	16.3	20.2	24.5	28.4	29.4	29.9	28.6	24.2	17.2	17.5
Barataria Waterway at Lafitte (USACE82875)	10.1	10.6	12.6	17.5	22.7	27.7	29.2	29.6	28.5	23.9	16.4	14.0
USGS2928590900040000 Barataria Waterway South of Lafitte	6.9	7.6	10.6	15.3	21.1	26.2	27.3	27.8	26.7	21.5	13.8	11.6
USGS7380251 Barataria Bay North of Grand Isle	8.9	10.5	12.8	17.8	22.8	27.6	28.6	28.9	27.8	23.0	14.9	14.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	10.8	12.9	18.4	23.0	28.0	29.2	29.6	28.2	23.7	16.2	15.2
USGS 07380335 - Little Lake Near Cutoff	12.2	13.2	14.8	19.7	24.0	28.2	29.5	30.0	28.6	24.2	17.0	17.0
USGS073802516 Barataria Pass at Grand Isle	11.6	13.9	15.6	20.3	24.6	28.2	29.2	29.8	28.5	24.0	16.7	17.1
HWQ14 - Lake Washington	10.5	13.3	15.8	20.1	24.5	28.2	29.3	29.7	28.4	23.7	15.9	16.6
HWQ16 - Bayou Grand Liard	14.8	14.8	16.7	20.3	24.7	28.1	29.6	30.2	28.9	25.0	18.7	18.3
CRMS 3985	9.7	12.9	14.9	19.5	23.9	27.7	28.6	29.0	28.1	23.2	15.3	15.7
CRMS 0258	9.3	12.2	14.2	18.9	22.9	27.0	28.0	28.9	27.9	23.2	15.3	15.0
CRMS 0224	10.0	11.7	13.7	18.7	23.1	27.7	28.7	29.2	28.0	23.4	16.0	15.3
CRMS 0163	8.9	8.8	11.1	16.4	21.7	27.2	28.8	29.2	28.3	23.8	16.0	12.0
CRMS 0162	11.5	10.6	13.1	17.6	22.6	27.5	29.1	29.5	28.5	24.5	18.5	15.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.8	-7.0	-5.7	-5.3	-3.4	-2.1	-0.7	-1.6	-1.8	-3.1	0.4	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.7	0.9	0.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.6	0.3	0.5	0.3	0.0	0.0	0.0	0.1	0.4	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.6	-6.5	-5.4	-4.7	-3.0	-1.6	-1.3	-1.2	-1.2	-1.7	-1.0	-4.7
USGS7380251 Barataria Bay North of Grand Isle	-0.9	-3.3	-3.4	-2.3	-1.4	-0.2	-0.1	-0.1	-0.1	-0.2	-0.2	-1.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.4	-4.1	-4.2	-2.1	-1.6	-0.1	0.0	-0.1	-0.1	-0.2	-0.4	-2.0
USGS 07380335 - Little Lake Near Cutoff	-0.4	-1.8	-2.5	-1.0	-0.9	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.6
USGS073802516 Barataria Pass at Grand Isle	-0.5	-1.3	-1.7	-0.6	-0.3	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.4
HWQ14 - Lake Washington	-0.4	-1.2	-1.1	-0.4	-0.3	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.3
HWQ16 - Bayou Grand Liard	-0.2	0.0	0.4	0.2	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.3	-0.7	-1.3	-0.6	-0.4	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.4
CRMS 0258	-0.7	-1.7	-1.6	-0.9	-0.6	-0.1	-0.2	-0.1	0.0	-0.1	-0.1	-1.1
CRMS 0224	-1.0	-3.0	-2.9	-1.6	-1.1	-0.2	-0.2	-0.1	-0.1	-0.2	-0.2	-1.6
CRMS 0163	0.4	0.8	0.2	0.5	0.3	0.0	0.0	0.2	0.5	0.8	0.2	0.6
CRMS 0162	1.7	1.2	0.7	0.6	0.5	0.4	0.1	0.3	0.1	0.2	0.3	2.2

Figure WQ TEMP 217 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	13.8	15.9	20.0	23.9	27.7	28.5	29.0	27.9	23.1	14.4	15.9
CRMS0276 - Just east of Wilkinson Canal	12.4	14.3	16.6	20.3	24.6	28.4	29.4	29.9	28.6	24.2	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	11.2	13.7	18.4	23.2	27.7	29.3	29.7	28.4	23.2	16.3	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.1	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.7	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.8	15.1	17.4	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.3	15.2	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	10.0	13.6	16.0	20.0	24.2	27.8	28.5	28.9	27.9	23.1	15.2	15.8
CRMS 0258	10.1	14.2	16.1	19.9	23.5	27.7	28.5	29.0	27.9	23.3	15.2	16.2
CRMS 0224	11.1	14.7	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	9.5	9.3	11.7	17.4	21.9	27.1	28.8	29.2	28.1	22.2	15.5	12.1
CRMS 0162	12.2	11.2	15.1	18.5	22.9	27.5	29.1	29.6	28.5	24.0	17.5	14.4

V3PR5 HYST - cy 5 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.2	10.4	15.0	20.2	25.3	27.7	27.4	26.3	19.8	15.1	10.8
CRMS0276 - Just east of Wilkinson Canal	12.4	14.5	16.7	20.4	24.6	28.4	29.4	29.9	28.6	24.2	17.1	17.7
Barataria Waterway at Lafitte (USACE82875)	10.6	11.4	13.4	18.4	23.2	27.7	29.2	29.8	28.5	23.7	16.2	14.2
USGS2928590900040000 Barataria Waterway South of Lafitte	7.6	9.4	12.8	17.7	21.7	26.3	27.4	27.8	26.7	21.4	13.8	13.6
USGS7380251 Barataria Bay North of Grand Isle	9.5	12.4	15.3	19.5	23.5	27.6	28.6	28.9	27.8	22.9	14.8	15.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	13.0	16.1	20.2	23.9	28.0	29.1	29.6	28.2	23.7	16.2	16.8
USGS 07380335 - Little Lake Near Cutoff	12.6	14.5	17.3	20.6	24.6	28.3	29.5	30.0	28.6	24.2	16.9	17.6
USGS073802516 Barataria Pass at Grand Isle	12.0	14.6	17.1	20.7	24.8	28.2	29.2	29.8	28.5	24.0	16.7	17.5
HWQ14 - Lake Washington	10.8	13.8	16.6	20.4	24.6	28.2	29.3	29.7	28.4	23.7	15.9	16.8
HWQ16 - Bayou Grand Liard	15.3	15.1	17.4	20.4	24.7	28.1	29.6	30.1	28.9	24.9	18.6	18.5
CRMS 3985	9.9	13.4	15.9	19.9	24.1	27.7	28.5	28.9	27.9	23.0	15.1	15.8
CRMS 0258	9.9	13.3	15.9	19.7	23.2	27.6	28.3	28.9	27.9	23.2	15.0	16.0
CRMS 0224	10.8	13.3	16.2	20.1	23.7	27.7	28.6	29.2	28.0	23.4	15.9	16.7
CRMS 0163	9.8	10.1	11.9	17.6	21.9	27.1	28.9	29.6	28.4	23.4	15.6	12.7
CRMS 0162	13.4	13.4	16.1	19.6	23.5	28.0	29.3	29.7	28.5	24.4	18.0	16.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.6	-5.5	-4.9	-3.7	-2.4	-0.9	-1.6	-1.6	-3.3	0.6	-5.1
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	-0.2	0.0	-0.1	-0.1	0.0	0.1	0.1	0.5	-0.1	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.9	-4.7	-3.2	-2.3	-2.3	-1.5	-1.2	-1.2	-1.2	-1.7	-0.9	-2.6
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-1.4	-0.8	-0.6	-0.6	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.6	-1.9	-0.9	-0.4	-0.6	0.0	-0.1	-0.1	-0.1	-0.2	-0.4	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.5	-0.1	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.6	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.1	-0.7	-0.2	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.2
HWQ16 - Bayou Grand Liard	0.1	-0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.1	-0.2	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 0258	-0.2	-0.9	-0.2	-0.2	-0.3	-0.1	-0.2	-0.1	0.0	-0.1	-0.2	-0.2
CRMS 0224	-0.2	-1.4	-0.5	-0.3	-0.5	-0.1	-0.2	-0.1	-0.1	-0.2	-0.2	-0.3
CRMS 0163	0.4	0.9	0.2	0.3	0.0	0.0	0.1	0.4	0.2	1.2	0.1	0.6
CRMS 0162	1.2	2.1	1.0	1.0	0.5	0.5	0.2	0.2	0.0	0.4	0.5	2.2

Figure WQ TEMP 218 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.8	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	11.8	13.0	15.8	19.9	24.4	28.3	29.4	29.8	28.5	24.1	17.3	17.7
Barataria Waterway at Lafitte (USACE82875)	9.6	9.6	12.9	17.5	22.8	27.4	29.2	29.4	28.2	23.2	16.4	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.4	14.9	17.4	20.7	24.9	28.3	29.4	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.6	14.4	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.7	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	13.9	15.7	19.8	23.5	26.9	27.8	28.2	27.7	23.3	15.4	16.4
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.0	7.9	11.2	16.4	21.6	26.8	28.8	28.8	27.5	22.2	15.9	12.4
CRMS 0162	8.6	9.1	13.1	17.3	22.4	26.9	29.0	28.8	28.2	23.8	18.4	15.7

V3PR5 HYST - cy 5 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.8	10.0	14.5	20.5	25.9	28.4	27.7	26.1	19.8	15.3	11.0
CRMS0276 - Just east of Wilkinson Canal	11.6	13.9	16.4	20.3	24.6	28.3	29.3	29.8	28.5	24.2	17.2	17.8
Barataria Waterway at Lafitte (USACE82875)	9.9	10.2	13.1	18.0	23.0	27.6	29.2	29.5	28.4	23.7	16.5	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	6.4	7.5	10.8	15.6	21.1	26.1	28.0	27.8	26.7	21.5	13.8	13.6
USGS7380251 Barataria Bay North of Grand Isle	8.4	10.2	13.4	18.1	23.1	27.3	28.6	28.8	27.8	23.0	14.9	15.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	10.4	13.5	18.7	23.4	27.6	28.8	29.3	28.2	23.7	16.2	16.8
USGS 07380335 - Little Lake Near Cutoff	11.4	12.8	15.7	19.9	24.3	28.0	29.3	29.9	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	11.1	13.7	16.0	20.3	24.7	28.1	29.2	29.8	28.5	24.0	16.8	17.5
HWQ14 - Lake Washington	10.2	13.1	16.0	20.1	24.6	28.1	29.3	29.7	28.4	23.7	15.9	16.8
HWQ16 - Bayou Grand Liard	14.1	14.5	16.9	20.4	24.7	28.2	29.6	30.2	28.9	25.0	18.7	18.5
CRMS 3985	9.4	12.8	15.3	19.6	24.0	27.7	28.5	28.9	28.1	23.2	15.3	16.1
CRMS 0258	8.7	12.1	14.6	19.0	23.0	26.7	27.7	28.0	27.7	23.2	15.3	16.3
CRMS 0224	9.0	11.4	14.4	19.0	23.4	27.3	28.5	29.1	28.0	23.4	16.0	16.8
CRMS 0163	8.6	8.4	11.5	17.0	21.8	27.1	28.8	28.9	28.0	23.4	16.1	14.0
CRMS 0162	9.6	9.8	13.7	18.0	22.8	27.1	29.1	29.2	28.5	24.3	18.6	17.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.1	-7.1	-5.7	-5.4	-3.5	-1.8	0.0	-1.2	-1.8	-3.3	0.6	-5.1
CRMS0276 - Just east of Wilkinson Canal	-0.2	0.9	0.7	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.3	0.6	0.3	0.5	0.2	0.2	0.1	0.1	0.1	0.5	0.0	0.5
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.0	-6.7	-5.2	-4.4	-2.9	-1.7	-0.6	-1.2	-1.2	-1.7	-1.0	-2.7
USGS7380251 Barataria Bay North of Grand Isle	-1.3	-3.6	-2.7	-1.9	-1.1	-0.5	-0.1	-0.2	-0.1	-0.2	-0.2	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.3	-4.4	-3.5	-1.9	-1.2	-0.5	-0.4	-0.3	-0.2	-0.2	-0.4	-0.4
USGS 07380335 - Little Lake Near Cutoff	-0.9	-2.1	-1.7	-0.8	-0.5	-0.2	-0.1	-0.1	0.0	0.0	-0.1	0.0
USGS073802516 Barataria Pass at Grand Isle	-1.0	-1.5	-1.4	-0.5	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ14 - Lake Washington	-0.7	-1.4	-0.9	-0.4	-0.2	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.6	0.1	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	-0.6	-0.9	-0.9	-0.5	-0.3	-0.1	-0.2	-0.2	0.0	0.0	-0.1	0.0
CRMS 0258	-1.3	-1.8	-1.1	-0.8	-0.5	-0.2	-0.1	-0.2	-0.1	-0.1	-0.1	-0.2
CRMS 0224	-2.0	-3.2	-2.2	-1.3	-0.9	-0.6	-0.3	-0.3	-0.1	-0.2	-0.2	-0.2
CRMS 0163	0.6	0.5	0.3	0.5	0.2	0.3	0.0	0.1	0.4	1.2	0.3	1.6
CRMS 0162	1.0	0.7	0.5	0.7	0.4	0.2	0.1	0.4	0.2	0.4	0.2	1.5

Figure WQ TEMP 219 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	14.0	15.7	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.3	15.0	16.0	19.9	24.2	28.3	29.4	29.8	28.6	24.2	17.3	16.9
Barataria Waterway at Lafitte (USACE82875)	10.5	12.0	12.8	17.3	22.2	27.1	29.2	29.5	28.2	23.4	16.4	12.8
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.3	16.0	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.7	15.2	17.3	20.7	24.8	28.3	29.4	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.4	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.2	15.7	16.9	20.2	24.5	28.2	29.6	30.2	28.9	25.0	18.8	18.1
CRMS 3985	10.0	13.6	16.0	20.1	24.3	27.9	28.8	29.0	28.1	23.3	15.5	16.1
CRMS 0258	10.2	14.7	15.8	19.8	23.5	27.0	27.8	28.3	27.9	23.3	15.4	16.0
CRMS 0224	11.1	14.9	16.6	20.4	24.3	27.9	28.8	29.3	28.2	23.6	16.1	16.9
CRMS 0163	9.4	10.4	11.1	16.1	21.2	26.5	28.8	28.9	27.6	22.7	15.8	10.7
CRMS 0162	11.7	13.9	13.3	17.2	22.0	26.8	29.1	28.9	28.3	24.2	18.3	11.8

V3PR5 HYST - cy 5 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	7.7	10.2	14.6	20.6	26.1	28.5	27.7	26.2	20.0	15.0	9.2
CRMS0276 - Just east of Wilkinson Canal	12.3	14.9	16.5	20.2	24.4	28.3	29.3	29.8	28.6	24.2	17.2	17.1
Barataria Waterway at Lafitte (USACE82875)	10.4	13.2	13.0	17.8	22.5	27.3	29.2	29.5	28.4	24.0	16.4	13.2
USGS2928590900040000 Barataria Waterway South of Lafitte	7.5	11.8	10.9	15.4	21.1	26.1	28.0	27.8	26.7	21.5	13.8	9.9
USGS7380251 Barataria Bay North of Grand Isle	9.5	13.6	13.5	18.0	22.8	27.2	28.6	28.9	27.8	23.0	14.9	12.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	14.7	13.7	18.6	23.0	27.4	28.9	29.6	28.2	23.7	16.2	13.0
USGS 07380335 - Little Lake Near Cutoff	12.6	15.1	15.8	19.8	24.0	27.9	29.3	30.0	28.6	24.2	17.0	15.7
USGS073802516 Barataria Pass at Grand Isle	12.0	15.3	16.2	20.3	24.6	28.1	29.2	29.8	28.5	24.0	16.8	16.2
HWQ14 - Lake Washington	10.8	14.4	16.2	20.1	24.5	28.1	29.2	29.7	28.4	23.7	15.9	16.2
HWQ16 - Bayou Grand Liard	15.2	15.4	17.1	20.3	24.7	28.2	29.6	30.2	28.9	25.0	18.7	17.9
CRMS 3985	9.9	13.6	15.2	19.6	23.9	27.7	28.6	28.9	28.1	23.2	15.3	15.1
CRMS 0258	10.0	14.5	14.5	18.9	22.9	26.7	27.7	28.2	27.9	23.2	15.3	14.2
CRMS 0224	10.9	14.6	14.4	18.9	23.1	27.2	28.5	29.2	28.1	23.4	15.9	13.9
CRMS 0163	9.6	12.0	11.4	16.8	21.5	26.7	28.9	28.9	28.1	23.9	16.0	11.1
CRMS 0162	12.7	14.2	14.0	17.6	22.6	26.9	29.1	29.3	28.5	24.5	18.5	13.5

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.3	-5.5	-5.3	-3.4	-1.6	0.1	-1.2	-1.8	-3.1	0.4	-6.6
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.3
Barataria Waterway at Lafitte (USACE82875)	-0.1	1.2	0.2	0.5	0.3	0.2	0.0	0.0	0.1	0.6	0.0	0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.9	-2.5	-5.1	-4.6	-3.0	-1.7	-0.6	-1.2	-1.2	-1.7	-1.0	-6.3
USGS7380251 Barataria Bay North of Grand Isle	-0.3	-0.2	-2.5	-2.1	-1.4	-0.6	-0.1	-0.1	-0.1	-0.1	-0.2	-3.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.5	-0.3	-3.3	-2.0	-1.6	-0.7	-0.3	-0.1	-0.2	-0.2	-0.4	-4.2
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-1.6	-0.9	-0.8	-0.4	-0.1	0.0	0.0	0.0	-0.1	-1.9
USGS073802516 Barataria Pass at Grand Isle	-0.1	-0.1	-1.1	-0.5	-0.3	-0.1	-0.1	0.0	0.0	0.0	-0.1	-1.4
HWQ14 - Lake Washington	-0.1	-0.1	-0.7	-0.4	-0.2	-0.2	-0.1	0.0	0.0	-0.1	-0.1	-0.8
HWQ16 - Bayou Grand Liard	0.0	-0.2	0.2	0.2	0.2	0.1	0.0	0.0	0.0	0.0	-0.1	-0.2
CRMS 3985	-0.1	0.0	-0.8	-0.5	-0.4	-0.2	-0.2	-0.1	0.0	0.0	-0.1	-1.1
CRMS 0258	-0.2	-0.2	-1.2	-0.8	-0.6	-0.3	-0.1	-0.2	0.0	-0.1	-0.2	-1.8
CRMS 0224	-0.2	-0.3	-2.3	-1.5	-1.1	-0.7	-0.3	-0.1	-0.1	-0.2	-0.2	-3.0
CRMS 0163	0.2	1.5	0.3	0.7	0.2	0.2	0.0	0.0	0.5	1.1	0.2	0.4
CRMS 0162	1.0	0.3	0.7	0.4	0.6	0.2	0.1	0.4	0.2	0.3	0.2	1.7

Figure WQ TEMP 220 - Monthly Average Temperature (°C) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.9	15.8	19.9	24.0	27.7	28.5	28.9	27.8	23.0	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	12.0	14.2	15.5	19.5	24.2	28.3	29.4	29.9	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.1	10.9	12.5	16.5	22.3	27.3	29.2	29.5	28.1	23.3	16.4	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.1	27.8	28.6	29.0	27.8	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.3	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.0	15.3	16.6	20.0	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.6	16.1	20.1	24.3	27.8	28.7	29.0	28.1	23.3	15.5	16.2
CRMS 0258	10.0	14.1	15.7	19.8	23.5	27.0	27.8	28.3	27.2	23.0	15.4	16.5
CRMS 0224	11.0	14.7	16.6	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.6	8.8	11.0	15.6	21.4	26.7	28.8	28.8	27.3	22.3	16.0	12.9
CRMS 0162	9.7	10.5	12.6	16.5	22.2	26.8	29.0	28.9	27.9	23.5	18.5	15.9

V3PR6 HYST - cy 5 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.4	10.1	14.5	20.6	26.1	28.8	28.1	26.2	19.9	15.1	11.1
CRMS0276 - Just east of Wilkinson Canal	11.9	14.3	16.1	19.9	24.3	28.2	29.3	29.8	28.5	24.1	17.3	17.7
Barataria Waterway at Lafitte (USACE82875)	10.0	11.0	12.9	16.9	22.5	27.6	29.2	29.6	28.1	23.3	16.4	14.7
USGS2928590900040000 Barataria Waterway South of Lafitte	7.1	9.2	10.3	14.9	20.9	26.2	28.6	28.1	26.7	21.6	13.9	14.2
USGS7380251 Barataria Bay North of Grand Isle	8.4	10.8	11.6	16.2	21.8	26.7	28.4	28.7	27.5	22.6	14.6	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.6	10.5	11.1	16.0	21.6	26.5	28.6	28.8	27.6	22.7	15.8	16.0
USGS 07380335 - Little Lake Near Cutoff	11.0	12.4	12.6	17.7	22.6	27.3	29.0	29.8	28.5	23.9	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	14.0	13.9	19.3	24.0	27.9	29.1	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.3	13.6	15.1	19.6	24.1	28.0	29.1	29.7	28.4	23.6	15.8	16.7
HWQ16 - Bayou Grand Liard	14.5	15.0	15.9	19.8	24.4	28.2	29.6	30.2	28.8	24.9	18.7	18.5
CRMS 3985	9.5	12.8	14.0	18.7	23.4	27.5	28.5	28.9	28.1	23.1	15.2	16.1
CRMS 0258	9.0	11.8	12.6	17.3	22.3	26.6	27.9	28.1	27.0	22.7	15.3	16.3
CRMS 0224	9.1	11.2	12.0	16.8	22.1	26.6	28.2	28.9	27.7	23.0	15.8	16.5
CRMS 0163	8.9	9.3	11.3	15.9	21.7	27.0	28.9	28.9	27.3	22.7	16.1	13.2
CRMS 0162	11.0	12.2	13.1	16.8	22.4	26.9	29.1	29.2	28.2	24.0	18.5	16.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-6.4	-5.7	-5.4	-3.4	-1.6	0.3	-0.8	-1.6	-3.1	0.4	-4.9
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.1	0.6	0.4	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.4	0.4	0.3	0.3	0.1	0.1	0.0	0.1	0.0	-0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-4.9	-5.7	-5.2	-3.2	-1.6	-0.1	-0.9	-1.1	-1.6	-0.9	-2.0
USGS7380251 Barataria Bay North of Grand Isle	-1.4	-3.0	-4.5	-3.9	-2.5	-1.2	-0.4	-0.4	-0.4	-0.5	-0.5	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.2	-4.4	-6.0	-4.5	-3.0	-1.6	-0.6	-0.8	-0.7	-1.2	-0.9	-1.3
USGS 07380335 - Little Lake Near Cutoff	-1.5	-2.6	-4.7	-3.0	-2.2	-1.0	-0.5	-0.1	-0.1	-0.3	-0.4	-0.3
USGS073802516 Barataria Pass at Grand Isle	-1.1	-1.3	-3.4	-1.6	-0.8	-0.3	-0.2	-0.1	-0.1	-0.1	-0.2	-0.1
HWQ14 - Lake Washington	-0.6	-0.9	-1.8	-1.0	-0.6	-0.3	-0.3	-0.1	0.0	-0.1	-0.2	-0.2
HWQ16 - Bayou Grand Liard	-0.5	-0.3	-0.7	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1
CRMS 3985	-0.5	-0.8	-2.1	-1.4	-0.9	-0.3	-0.2	-0.1	-0.1	-0.1	-0.2	-0.1
CRMS 0258	-1.0	-2.3	-3.1	-2.5	-1.2	-0.4	0.1	-0.2	-0.2	-0.3	-0.2	-0.3
CRMS 0224	-1.9	-3.5	-4.7	-3.5	-2.2	-1.3	-0.6	-0.5	-0.4	-0.6	-0.3	-0.5
CRMS 0163	0.3	0.5	0.2	0.4	0.3	0.3	0.0	0.1	0.0	0.3	0.2	0.3
CRMS 0162	1.3	1.7	0.5	0.3	0.2	0.1	0.0	0.3	0.4	0.5	0.0	0.4

Figure WQ TEMP 221 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	13.8	15.8	19.9	24.0	27.7	28.5	29.0	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	13.4	15.4	19.8	24.3	28.3	29.4	29.9	28.6	24.2	17.3	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	10.0	12.3	17.0	22.4	27.7	29.2	29.6	28.4	23.6	16.4	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.1	16.1	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.1	20.1	24.2	27.8	28.7	29.1	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.5	15.0	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.0	14.7	16.3	20.1	24.5	28.1	29.6	30.2	28.9	25.0	18.8	18.4
CRMS 3985	10.0	13.6	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	14.0	15.7	19.8	23.5	27.2	28.2	29.0	27.9	23.3	15.5	16.1
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	16.9
CRMS 0163	8.5	8.1	10.9	15.9	21.4	27.2	28.8	29.0	27.8	23.0	15.8	11.4
CRMS 0162	9.8	9.4	12.4	17.0	22.1	27.1	29.1	29.2	28.4	24.3	18.2	13.3

V3PR6 HYST - cy 5 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.8	10.1	14.5	20.6	25.8	28.1	27.8	26.5	20.3	15.0	10.1
CRMS0276 - Just east of Wilkinson Canal	11.9	13.2	16.0	20.1	24.3	28.3	29.4	29.9	28.6	24.2	17.2	17.2
Barataria Waterway at Lafitte (USACE82875)	10.0	10.8	12.7	17.6	22.7	27.7	29.2	29.6	28.4	23.8	16.4	13.8
USGS2928590900040000 Barataria Waterway South of Lafitte	7.0	7.1	10.3	14.9	20.9	26.4	27.4	27.7	26.9	21.8	13.9	11.5
USGS7380251 Barataria Bay North of Grand Isle	8.3	8.9	11.3	16.3	21.8	27.3	28.4	28.8	27.6	22.8	14.6	13.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.6	8.1	11.1	16.1	21.6	27.5	28.7	29.1	27.8	23.1	15.7	13.1
USGS 07380335 - Little Lake Near Cutoff	10.9	10.1	12.4	17.8	22.6	28.1	29.4	29.9	28.5	24.1	16.7	15.4
USGS073802516 Barataria Pass at Grand Isle	11.0	12.0	13.7	19.4	24.0	28.1	29.2	29.8	28.4	24.0	16.7	16.2
HWQ14 - Lake Washington	10.3	12.6	14.9	19.6	24.1	28.2	29.3	29.7	28.4	23.6	15.8	16.4
HWQ16 - Bayou Grand Liard	14.5	14.0	15.6	19.9	24.5	28.1	29.6	30.2	28.9	25.0	18.6	18.1
CRMS 3985	9.5	12.0	13.6	18.8	23.4	27.7	28.6	28.9	28.1	23.2	15.2	15.4
CRMS 0258	8.9	10.4	12.4	17.3	22.3	26.9	27.9	28.9	27.8	23.1	15.3	14.2
CRMS 0224	9.0	9.3	11.8	16.9	22.1	27.4	28.4	29.0	27.8	23.2	15.8	13.9
CRMS 0163	8.8	9.0	11.2	16.5	21.7	27.3	28.8	29.1	28.2	23.6	15.9	11.9
CRMS 0162	11.1	10.4	12.9	17.4	22.4	27.3	29.1	29.4	28.5	24.5	18.4	15.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-7.0	-5.7	-5.4	-3.4	-1.9	-0.4	-1.2	-1.4	-2.8	0.3	-5.7
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.6	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.0	0.8	0.4	0.5	0.3	0.0	0.0	0.0	0.1	0.2	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.5	-7.1	-5.7	-5.2	-3.2	-1.4	-1.2	-1.3	-1.1	-1.3	-0.9	-4.7
USGS7380251 Barataria Bay North of Grand Isle	-1.5	-4.9	-4.8	-3.8	-2.5	-0.5	-0.3	-0.3	-0.3	-0.4	-0.5	-2.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.2	-6.7	-6.0	-4.5	-3.0	-0.6	-0.5	-0.6	-0.5	-0.8	-0.9	-4.1
USGS 07380335 - Little Lake Near Cutoff	-1.6	-4.8	-4.9	-2.9	-2.2	-0.2	-0.1	-0.1	-0.1	-0.1	-0.4	-2.2
USGS073802516 Barataria Pass at Grand Isle	-1.1	-3.2	-3.7	-1.5	-0.8	-0.1	0.0	0.0	-0.1	-0.1	-0.2	-1.3
HWQ14 - Lake Washington	-0.6	-1.9	-2.0	-0.9	-0.6	-0.1	0.0	0.0	0.0	-0.1	-0.2	-0.6
HWQ16 - Bayou Grand Liard	-0.4	-0.8	-0.7	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.4
CRMS 3985	-0.6	-1.7	-2.6	-1.3	-0.9	-0.1	-0.1	-0.1	0.0	0.0	-0.2	-0.7
CRMS 0258	-1.1	-3.6	-3.4	-2.4	-1.3	-0.3	-0.3	-0.1	-0.1	-0.2	-0.2	-1.9
CRMS 0224	-2.0	-5.3	-4.9	-3.5	-2.2	-0.5	-0.4	-0.3	-0.3	-0.4	-0.3	-3.0
CRMS 0163	0.3	0.9	0.2	0.5	0.3	0.1	0.0	0.1	0.4	0.6	0.1	0.4
CRMS 0162	1.3	1.0	0.5	0.4	0.2	0.2	0.1	0.2	0.1	0.2	0.2	1.9

Figure WQ TEMP 222 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	13.8	15.9	20.0	23.9	27.7	28.5	29.0	27.9	23.1	14.4	15.9
CRMS0276 - Just east of Wilkinson Canal	12.4	14.3	16.6	20.3	24.6	28.4	29.4	29.9	28.6	24.2	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	11.2	13.7	18.4	23.2	27.7	29.3	29.7	28.4	23.2	16.3	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.1	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.7	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.8	15.1	17.4	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.3	15.2	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	10.0	13.6	16.0	20.0	24.2	27.8	28.5	28.9	27.9	23.1	15.2	15.8
CRMS 0258	10.1	14.2	16.1	19.9	23.5	27.7	28.5	29.0	27.9	23.3	15.2	16.2
CRMS 0224	11.1	14.7	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	9.5	9.3	11.7	17.4	21.9	27.1	28.8	29.2	28.1	22.2	15.5	12.1
CRMS 0162	12.2	11.2	15.1	18.5	22.9	27.5	29.1	29.6	28.5	24.0	17.5	14.4

V3PR6 HYST - cy 5 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	7.4	10.7	15.3	20.4	25.7	28.1	27.9	26.6	20.0	14.8	11.0
CRMS0276 - Just east of Wilkinson Canal	12.3	14.3	16.7	20.4	24.6	28.4	29.4	29.9	28.6	24.1	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.6	13.4	18.3	23.2	27.7	29.2	29.8	28.3	23.3	16.2	14.2
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	9.1	13.3	17.9	21.6	26.4	27.3	27.7	26.9	21.8	13.9	14.5
USGS7380251 Barataria Bay North of Grand Isle	9.2	11.6	14.6	19.2	23.1	27.4	28.4	28.7	27.6	22.8	14.5	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	10.7	15.0	19.5	22.8	27.7	28.7	29.1	27.8	23.1	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	12.2	13.0	16.6	20.3	23.9	28.3	29.4	29.9	28.5	24.1	16.6	17.5
USGS073802516 Barataria Pass at Grand Isle	11.9	13.8	16.8	20.5	24.6	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.7	13.5	16.5	20.3	24.6	28.2	29.3	29.7	28.4	23.6	15.8	16.7
HWQ16 - Bayou Grand Liard	15.2	14.8	17.4	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	9.8	13.3	15.8	19.9	24.0	27.7	28.5	28.9	28.0	23.1	15.1	15.8
CRMS 0258	9.9	12.5	15.6	19.4	23.0	27.6	28.3	28.9	27.8	23.1	14.8	15.8
CRMS 0224	10.5	11.9	15.5	19.7	23.2	27.5	28.4	29.0	27.8	23.2	15.8	16.5
CRMS 0163	9.6	10.1	11.8	17.5	21.9	27.0	28.9	29.4	27.8	22.2	15.6	12.2
CRMS 0162	13.0	13.1	15.5	19.4	23.3	27.8	29.2	29.7	28.5	23.7	18.0	16.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.5	-5.2	-4.7	-3.6	-2.0	-0.5	-1.1	-1.3	-3.0	0.4	-4.9
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.4	-0.3	-0.1	0.0	-0.1	0.0	0.0	-0.1	0.1	-0.1	-0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-5.1	-2.7	-2.1	-2.4	-1.4	-1.3	-1.3	-1.0	-1.3	-0.8	-1.7
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-2.2	-1.4	-0.9	-1.1	-0.3	-0.3	-0.3	-0.3	-0.3	-0.5	-0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.4	-4.1	-2.0	-1.0	-1.8	-0.4	-0.5	-0.6	-0.5	-0.7	-0.9	-1.0
USGS 07380335 - Little Lake Near Cutoff	-0.6	-2.0	-0.8	-0.4	-0.9	0.0	-0.1	-0.1	-0.1	-0.1	-0.4	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.2	-1.5	-0.6	-0.4	-0.2	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.1
HWQ14 - Lake Washington	-0.2	-1.0	-0.3	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.2
HWQ16 - Bayou Grand Liard	-0.1	-0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 3985	-0.2	-0.3	-0.2	-0.2	-0.2	-0.1	0.0	0.0	0.1	0.0	-0.1	0.0
CRMS 0258	-0.2	-1.7	-0.6	-0.5	-0.6	-0.2	-0.2	-0.1	-0.1	-0.1	-0.4	-0.4
CRMS 0224	-0.6	-2.8	-1.2	-0.7	-1.0	-0.4	-0.4	-0.3	-0.3	-0.4	-0.3	-0.5
CRMS 0163	0.2	0.8	0.1	0.2	0.0	0.0	0.1	0.3	-0.4	0.1	0.1	0.2
CRMS 0162	0.9	1.8	0.4	0.8	0.4	0.3	0.1	0.1	0.0	-0.3	0.4	1.6

Figure WQ TEMP 223 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.8	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	11.8	13.0	15.8	19.9	24.4	28.3	29.4	29.8	28.5	24.1	17.3	17.7
Barataria Waterway at Lafitte (USACE82875)	9.6	9.6	12.9	17.5	22.8	27.4	29.2	29.4	28.2	23.2	16.4	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.4	14.9	17.4	20.7	24.9	28.3	29.4	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.6	14.4	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.7	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	13.9	15.7	19.8	23.5	26.9	27.8	28.2	27.7	23.3	15.4	16.4
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.0	7.9	11.2	16.4	21.6	26.8	28.8	28.8	27.5	22.2	15.9	12.4
CRMS 0162	8.6	9.1	13.1	17.3	22.4	26.9	29.0	28.8	28.2	23.8	18.4	15.7

V3PR6 HYST - cy 5 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.5	20.5	26.0	28.6	27.9	26.4	20.0	14.8	11.1
CRMS0276 - Just east of Wilkinson Canal	11.2	12.9	16.4	20.2	24.5	28.2	29.3	29.8	28.5	24.2	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	9.8	10.4	13.2	18.0	23.1	27.6	29.2	29.6	28.3	23.4	16.4	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.0	10.3	15.0	20.9	26.1	28.5	28.0	26.8	21.8	13.9	14.5
USGS7380251 Barataria Bay North of Grand Isle	7.6	8.4	12.1	16.9	22.2	26.8	28.3	28.6	27.6	22.8	14.6	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.0	8.0	11.3	16.4	21.8	26.5	28.6	28.7	27.8	23.1	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	9.5	9.7	13.2	18.2	23.1	27.5	29.0	29.6	28.6	24.1	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	9.9	11.6	14.4	19.5	24.3	28.0	29.1	29.6	28.4	24.0	16.7	17.5
HWQ14 - Lake Washington	9.8	12.3	15.4	19.8	24.4	28.0	29.2	29.6	28.4	23.6	15.8	16.7
HWQ16 - Bayou Grand Liard	13.3	13.5	16.2	20.1	24.6	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	8.9	11.5	14.6	19.1	23.7	27.6	28.5	28.8	28.1	23.2	15.3	16.1
CRMS 0258	7.9	9.9	13.1	17.8	22.5	26.5	27.8	27.9	27.6	23.1	15.3	16.2
CRMS 0224	7.6	9.0	12.4	17.4	22.4	26.7	28.2	28.7	27.8	23.2	15.8	16.6
CRMS 0163	8.7	8.6	11.5	17.1	21.8	27.1	28.9	28.9	27.7	22.8	16.0	13.4
CRMS 0162	9.5	9.7	13.7	17.8	22.7	27.0	29.1	29.1	28.4	24.2	18.5	16.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.1	-7.1	-5.7	-5.4	-3.5	-1.7	0.2	-0.9	-1.5	-3.1	0.2	-4.9
CRMS0276 - Just east of Wilkinson Canal	-0.6	0.0	0.6	0.2	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.8	0.3	0.5	0.2	0.2	0.1	0.1	0.0	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.2	-7.2	-5.7	-5.0	-3.1	-1.7	-0.1	-1.0	-1.1	-1.3	-0.9	-1.8
USGS7380251 Barataria Bay North of Grand Isle	-2.1	-5.4	-4.0	-3.2	-2.0	-1.0	-0.4	-0.4	-0.3	-0.4	-0.5	-0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.7	-6.8	-5.8	-4.2	-2.8	-1.6	-0.6	-1.0	-0.5	-0.8	-0.9	-1.0
USGS 07380335 - Little Lake Near Cutoff	-2.9	-5.2	-4.2	-2.5	-1.8	-0.8	-0.4	-0.3	0.0	-0.1	-0.4	-0.2
USGS073802516 Barataria Pass at Grand Isle	-2.2	-3.6	-3.0	-1.3	-0.5	-0.2	-0.2	-0.2	-0.1	-0.1	-0.2	-0.1
HWQ14 - Lake Washington	-1.1	-2.2	-1.5	-0.7	-0.4	-0.2	-0.2	-0.1	0.0	-0.1	-0.2	-0.2
HWQ16 - Bayou Grand Liard	-1.3	-0.9	-0.4	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0
CRMS 3985	-1.0	-2.2	-1.7	-1.0	-0.6	-0.3	-0.3	-0.2	0.0	-0.1	-0.2	-0.1
CRMS 0258	-2.1	-4.0	-2.6	-2.0	-1.0	-0.4	0.0	-0.3	-0.1	-0.2	-0.2	-0.3
CRMS 0224	-3.4	-5.6	-4.2	-3.0	-1.8	-1.2	-0.6	-0.6	-0.3	-0.4	-0.3	-0.4
CRMS 0163	0.7	0.7	0.3	0.6	0.2	0.3	0.0	0.1	0.2	0.6	0.1	0.9
CRMS 0162	0.9	0.6	0.6	0.5	0.2	0.1	0.1	0.3	0.2	0.3	0.1	1.0

Figure WQ TEMP 224 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	14.0	15.7	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.3	15.0	16.0	19.9	24.2	28.3	29.4	29.8	28.6	24.2	17.3	16.9
Barataria Waterway at Lafitte (USACE82875)	10.5	12.0	12.8	17.3	22.2	27.1	29.2	29.5	28.2	23.4	16.4	12.8
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.3	16.0	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.7	15.2	17.3	20.7	24.8	28.3	29.4	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.4	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.2	15.7	16.9	20.2	24.5	28.2	29.6	30.2	28.9	25.0	18.8	18.1
CRMS 3985	10.0	13.6	16.0	20.1	24.3	27.9	28.8	29.0	28.1	23.3	15.5	16.1
CRMS 0258	10.2	14.7	15.8	19.8	23.5	27.0	27.8	28.3	27.9	23.3	15.4	16.0
CRMS 0224	11.1	14.9	16.6	20.4	24.3	27.9	28.8	29.3	28.2	23.6	16.1	16.9
CRMS 0163	9.4	10.4	11.1	16.1	21.2	26.5	28.8	28.9	27.6	22.7	15.8	10.7
CRMS 0162	11.7	13.9	13.3	17.2	22.0	26.8	29.1	28.9	28.3	24.2	18.3	11.8

V3PR6 HYST - cy 5 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.3	10.2	14.5	20.6	26.1	28.7	28.0	26.5	20.2	14.9	9.2
CRMS0276 - Just east of Wilkinson Canal	12.3	14.8	16.2	20.2	24.3	28.1	29.3	29.8	28.5	24.2	17.2	16.4
Barataria Waterway at Lafitte (USACE82875)	10.4	12.2	13.0	17.9	22.5	27.3	29.2	29.5	28.3	23.8	16.4	13.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	12.4	10.6	14.9	20.9	26.2	28.5	28.0	26.9	21.8	13.9	9.4
USGS7380251 Barataria Bay North of Grand Isle	9.2	13.4	12.2	16.6	21.7	26.5	28.4	28.7	27.6	22.8	14.6	11.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.1	11.6	16.2	21.6	26.5	28.6	29.1	27.8	23.1	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	12.1	15.0	13.5	18.0	22.6	27.3	29.0	29.9	28.5	24.1	16.7	12.7
USGS073802516 Barataria Pass at Grand Isle	11.9	15.2	14.8	19.5	24.0	27.9	29.1	29.8	28.4	24.0	16.7	14.0
HWQ14 - Lake Washington	10.7	14.4	15.6	19.7	24.1	27.9	29.2	29.7	28.4	23.6	15.8	15.6
HWQ16 - Bayou Grand Liard	15.1	15.5	16.6	20.0	24.5	28.2	29.6	30.2	28.9	25.0	18.6	17.1
CRMS 3985	9.8	13.5	14.3	19.0	23.4	27.4	28.5	28.9	28.1	23.2	15.3	13.9
CRMS 0258	9.9	14.4	13.2	17.6	22.3	26.6	27.8	28.1	27.8	23.1	15.2	12.6
CRMS 0224	10.6	14.4	12.7	17.1	22.1	26.6	28.2	29.0	27.8	23.2	15.8	11.7
CRMS 0163	9.5	11.1	11.4	16.9	21.5	26.8	28.9	28.9	27.8	23.5	15.9	11.3
CRMS 0162	12.4	14.4	13.8	17.4	22.3	26.8	29.1	29.2	28.5	24.4	18.4	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-5.7	-5.5	-5.4	-3.4	-1.6	0.3	-0.9	-1.5	-2.8	0.2	-6.7
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.3	0.3	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.5
Barataria Waterway at Lafitte (USACE82875)	-0.2	0.1	0.2	0.6	0.3	0.2	0.1	0.0	0.1	0.4	0.0	0.6
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.4	-1.9	-5.4	-5.1	-3.2	-1.7	-0.1	-1.1	-1.1	-1.3	-0.9	-6.8
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-0.4	-3.8	-3.5	-2.5	-1.3	-0.3	-0.3	-0.3	-0.4	-0.5	-4.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.2	-0.8	-5.4	-4.4	-3.0	-1.6	-0.6	-0.6	-0.5	-0.8	-0.9	-6.7
USGS 07380335 - Little Lake Near Cutoff	-0.6	-0.2	-3.9	-2.7	-2.3	-1.0	-0.4	0.0	-0.1	-0.1	-0.4	-4.8
USGS073802516 Barataria Pass at Grand Isle	-0.2	-0.1	-2.5	-1.3	-0.8	-0.3	-0.2	0.0	-0.1	-0.1	-0.2	-3.6
HWQ14 - Lake Washington	-0.2	-0.2	-1.2	-0.8	-0.6	-0.3	-0.2	0.0	0.0	-0.1	-0.2	-1.4
HWQ16 - Bayou Grand Liard	-0.1	-0.2	-0.3	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-1.0
CRMS 3985	-0.2	-0.1	-1.7	-1.1	-0.9	-0.4	-0.3	-0.1	0.0	-0.1	-0.2	-2.2
CRMS 0258	-0.2	-0.3	-2.5	-2.2	-1.3	-0.4	0.0	-0.3	-0.1	-0.2	-0.2	-3.4
CRMS 0224	-0.5	-0.5	-4.0	-3.2	-2.2	-1.3	-0.6	-0.3	-0.3	-0.4	-0.3	-5.2
CRMS 0163	0.1	0.7	0.3	0.8	0.2	0.3	0.0	0.0	0.3	0.8	0.1	0.6
CRMS 0162	0.7	0.5	0.5	0.3	0.3	0.1	0.0	0.3	0.2	0.2	0.1	1.2

Figure WQ TEMP 225 - Monthly Average Temperature (°C) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.9	15.8	19.9	24.0	27.7	28.5	28.9	27.8	23.0	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	12.0	14.2	15.5	19.5	24.2	28.3	29.4	29.9	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.1	10.9	12.5	16.5	22.3	27.3	29.2	29.5	28.1	23.3	16.4	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.1	27.8	28.6	29.0	27.8	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.3	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.0	15.3	16.6	20.0	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.6	16.1	20.1	24.3	27.8	28.7	29.0	28.1	23.3	15.5	16.2
CRMS 0258	10.0	14.1	15.7	19.8	23.5	27.0	27.8	28.3	27.2	23.0	15.4	16.5
CRMS 0224	11.0	14.7	16.6	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.6	8.8	11.0	15.6	21.4	26.7	28.8	28.8	27.3	22.3	16.0	12.9
CRMS 0162	9.7	10.5	12.6	16.5	22.2	26.8	29.0	28.9	27.9	23.5	18.5	15.9

V3PR7 HYST - cy 5 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.4	10.1	14.5	20.7	26.1	28.8	28.1	26.2	19.9	15.0	11.0
CRMS0276 - Just east of Wilkinson Canal	11.9	14.2	16.1	19.8	24.3	28.2	29.2	29.8	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.0	11.0	12.9	16.9	22.5	27.5	29.2	29.6	28.1	23.3	16.5	15.0
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	9.3	10.3	14.9	20.9	26.1	28.5	28.0	26.7	21.7	14.0	14.2
USGS7380251 Barataria Bay North of Grand Isle	8.4	10.9	11.7	16.4	21.8	26.7	28.3	28.7	27.5	22.6	14.6	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.7	10.5	11.1	16.0	21.6	26.5	28.6	28.9	27.6	22.7	15.7	16.0
USGS 07380335 - Little Lake Near Cutoff	11.0	12.4	12.6	17.6	22.6	27.3	29.0	29.8	28.5	23.9	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	14.0	14.0	19.3	24.0	27.9	29.1	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.3	13.7	15.2	19.6	24.2	28.0	29.2	29.6	28.4	23.6	15.8	16.8
HWQ16 - Bayou Grand Liard	14.5	15.0	15.8	19.8	24.4	28.2	29.6	30.2	28.8	24.9	18.7	18.5
CRMS 3985	9.5	12.9	14.2	18.9	23.5	27.5	28.5	28.9	28.1	23.1	15.2	16.1
CRMS 0258	8.9	11.6	12.4	17.1	22.2	26.6	28.0	28.1	27.0	22.7	15.3	16.2
CRMS 0224	9.0	11.0	11.7	16.6	21.9	26.6	28.3	28.9	27.7	22.9	15.8	16.4
CRMS 0163	8.9	9.3	11.2	15.9	21.7	27.0	28.9	28.9	27.2	22.6	16.1	13.4
CRMS 0162	11.0	12.2	13.2	16.7	22.4	27.0	29.1	29.1	28.2	24.0	18.6	17.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.5	-5.7	-5.4	-3.4	-1.6	0.3	-0.8	-1.6	-3.1	0.4	-5.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.1	0.5	0.4	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.2	0.4	0.4	0.3	0.2	0.1	0.1	0.0	0.1	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.2	-4.9	-5.7	-5.2	-3.2	-1.6	-0.1	-1.0	-1.1	-1.5	-0.7	-2.0
USGS7380251 Barataria Bay North of Grand Isle	-1.4	-2.9	-4.4	-3.7	-2.4	-1.1	-0.4	-0.4	-0.4	-0.5	-0.5	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.1	-4.4	-6.0	-4.6	-3.0	-1.6	-0.7	-0.8	-0.7	-1.2	-0.9	-1.3
USGS 07380335 - Little Lake Near Cutoff	-1.5	-2.7	-4.8	-3.1	-2.3	-1.0	-0.5	-0.2	-0.1	-0.3	-0.4	-0.3
USGS073802516 Barataria Pass at Grand Isle	-1.1	-1.2	-3.4	-1.6	-0.9	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1
HWQ14 - Lake Washington	-0.6	-0.8	-1.7	-0.9	-0.6	-0.3	-0.2	-0.1	0.0	-0.2	-0.2	-0.2
HWQ16 - Bayou Grand Liard	-0.5	-0.3	-0.8	-0.2	0.0	0.0	-0.1	0.0	0.0	0.0	-0.2	-0.1
CRMS 3985	-0.5	-0.6	-1.9	-1.2	-0.8	-0.3	-0.2	-0.1	-0.1	-0.1	-0.2	-0.1
CRMS 0258	-1.0	-2.5	-3.3	-2.6	-1.3	-0.4	0.2	-0.2	-0.2	-0.4	-0.2	-0.3
CRMS 0224	-2.0	-3.7	-5.0	-3.8	-2.3	-1.3	-0.5	-0.5	-0.4	-0.7	-0.3	-0.6
CRMS 0163	0.3	0.4	0.2	0.4	0.3	0.3	0.0	0.1	0.0	0.3	0.2	0.5
CRMS 0162	1.3	1.7	0.6	0.2	0.2	0.1	0.0	0.3	0.4	0.5	0.1	1.2

Figure WQ TEMP 226 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	13.8	15.8	19.9	24.0	27.7	28.5	29.0	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	13.4	15.4	19.8	24.3	28.3	29.4	29.9	28.6	24.2	17.3	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	10.0	12.3	17.0	22.4	27.7	29.2	29.6	28.4	23.6	16.4	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.1	16.1	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.1	20.1	24.2	27.8	28.7	29.1	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.5	15.0	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.0	14.7	16.3	20.1	24.5	28.1	29.6	30.2	28.9	25.0	18.8	18.4
CRMS 3985	10.0	13.6	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	14.0	15.7	19.8	23.5	27.2	28.2	29.0	27.9	23.3	15.5	16.1
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	16.9
CRMS 0163	8.5	8.1	10.9	15.9	21.4	27.2	28.8	29.0	27.8	23.0	15.8	11.4
CRMS 0162	9.8	9.4	12.4	17.0	22.1	27.1	29.1	29.2	28.4	24.3	18.2	13.3

V3PR7 HYST - cy 5 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.8	10.1	14.6	20.6	25.9	28.1	27.8	26.5	20.3	14.8	10.0
CRMS0276 - Just east of Wilkinson Canal	11.9	13.2	15.9	20.1	24.3	28.3	29.4	29.9	28.6	24.2	17.2	17.1
Barataria Waterway at Lafitte (USACE82875)	10.0	10.8	12.7	17.6	22.7	27.7	29.2	29.6	28.4	23.8	16.4	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	7.1	7.1	10.3	14.9	20.9	26.4	27.4	27.7	26.9	22.0	14.0	11.7
USGS7380251 Barataria Bay North of Grand Isle	8.3	9.0	11.4	16.5	21.9	27.3	28.4	28.7	27.6	22.8	14.6	13.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.6	8.1	11.0	16.1	21.6	27.6	28.7	29.1	27.8	23.1	15.7	13.2
USGS 07380335 - Little Lake Near Cutoff	10.9	10.0	12.3	17.7	22.6	28.1	29.4	29.9	28.5	24.1	16.7	15.4
USGS073802516 Barataria Pass at Grand Isle	11.0	12.1	13.7	19.4	24.0	28.1	29.2	29.8	28.4	24.0	16.7	16.3
HWQ14 - Lake Washington	10.4	12.7	15.0	19.7	24.2	28.2	29.3	29.7	28.4	23.6	15.8	16.5
HWQ16 - Bayou Grand Liard	14.5	13.9	15.5	19.9	24.4	28.1	29.6	30.2	28.9	25.0	18.6	18.1
CRMS 3985	9.5	12.2	13.9	19.0	23.5	27.7	28.6	28.9	28.1	23.2	15.2	15.5
CRMS 0258	8.9	10.1	12.2	17.2	22.2	26.9	27.9	28.9	27.8	23.1	15.2	14.0
CRMS 0224	8.9	9.0	11.5	16.7	21.9	27.3	28.4	29.0	27.8	23.2	15.8	13.7
CRMS 0163	8.8	8.9	11.1	16.5	21.7	27.3	28.8	29.1	28.1	23.6	15.9	11.8
CRMS 0162	11.1	10.4	12.9	17.3	22.4	27.3	29.1	29.4	28.5	24.5	18.4	15.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-7.0	-5.7	-5.4	-3.4	-1.8	-0.4	-1.2	-1.4	-2.8	0.2	-5.9
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.5	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.0	0.8	0.5	0.6	0.4	0.1	0.0	0.0	0.1	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-7.0	-5.7	-5.1	-3.2	-1.4	-1.3	-1.3	-1.0	-1.2	-0.8	-4.5
USGS7380251 Barataria Bay North of Grand Isle	-1.5	-4.8	-4.7	-3.6	-2.4	-0.5	-0.3	-0.3	-0.3	-0.4	-0.5	-2.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.2	-6.7	-6.1	-4.5	-3.0	-0.5	-0.5	-0.5	-0.5	-0.8	-0.9	-4.1
USGS 07380335 - Little Lake Near Cutoff	-1.7	-4.9	-5.0	-3.0	-2.3	-0.2	-0.1	-0.1	-0.1	-0.1	-0.4	-2.3
USGS073802516 Barataria Pass at Grand Isle	-1.1	-3.2	-3.7	-1.5	-0.8	-0.1	0.0	0.0	-0.1	-0.1	-0.1	-1.3
HWQ14 - Lake Washington	-0.5	-1.9	-1.9	-0.9	-0.5	-0.1	0.0	0.0	0.0	-0.1	-0.2	-0.5
HWQ16 - Bayou Grand Liard	-0.4	-0.8	-0.8	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	-0.4
CRMS 3985	-0.5	-1.4	-2.3	-1.1	-0.8	-0.1	-0.1	-0.1	0.0	0.0	-0.2	-0.6
CRMS 0258	-1.2	-3.9	-3.6	-2.6	-1.3	-0.3	-0.3	-0.1	-0.1	-0.2	-0.2	-2.1
CRMS 0224	-2.1	-5.7	-5.1	-3.7	-2.3	-0.6	-0.4	-0.3	-0.3	-0.4	-0.3	-3.3
CRMS 0163	0.3	0.9	0.2	0.6	0.3	0.1	0.0	0.1	0.4	0.6	0.1	0.4
CRMS 0162	1.3	1.0	0.5	0.3	0.3	0.2	0.1	0.2	0.1	0.2	0.2	1.8

Figure WQ TEMP 227 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	13.8	15.9	20.0	23.9	27.7	28.5	29.0	27.9	23.1	14.4	15.9
CRMS0276 - Just east of Wilkinson Canal	12.4	14.3	16.6	20.3	24.6	28.4	29.4	29.9	28.6	24.2	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	11.2	13.7	18.4	23.2	27.7	29.3	29.7	28.4	23.2	16.3	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.1	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.7	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.8	15.1	17.4	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.3	15.2	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	10.0	13.6	16.0	20.0	24.2	27.8	28.5	28.9	27.9	23.1	15.2	15.8
CRMS 0258	10.1	14.2	16.1	19.9	23.5	27.7	28.5	29.0	27.9	23.3	15.2	16.2
CRMS 0224	11.1	14.7	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	9.5	9.3	11.7	17.4	21.9	27.1	28.8	29.2	28.1	22.2	15.5	12.1
CRMS 0162	12.2	11.2	15.1	18.5	22.9	27.5	29.1	29.6	28.5	24.0	17.5	14.4

V3PR7 HYST - cy 5 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	7.3	10.6	15.3	20.4	25.7	28.0	27.8	26.6	20.1	14.7	11.0
CRMS0276 - Just east of Wilkinson Canal	12.3	14.2	16.6	20.4	24.6	28.4	29.4	29.9	28.6	24.2	17.1	17.6
Barataria Waterway at Lafitte (USACE82875)	10.4	11.4	13.4	18.4	23.2	27.6	29.2	29.7	28.5	23.5	16.1	14.0
USGS2928590900040000 Barataria Waterway South of Lafitte	8.2	9.1	13.4	17.9	21.7	26.4	27.3	27.7	26.9	21.9	14.0	14.5
USGS7380251 Barataria Bay North of Grand Isle	9.2	11.7	14.7	19.2	23.1	27.4	28.4	28.7	27.6	22.7	14.5	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	10.8	15.0	19.6	22.8	27.7	28.7	29.1	27.8	23.1	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	12.1	13.0	16.5	20.3	23.9	28.3	29.4	29.9	28.5	24.1	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.9	13.8	16.7	20.5	24.6	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.7	13.6	16.5	20.4	24.6	28.2	29.3	29.7	28.4	23.6	15.8	16.7
HWQ16 - Bayou Grand Liard	15.2	14.8	17.4	20.3	24.7	28.1	29.6	30.2	28.9	24.9	18.5	18.5
CRMS 3985	9.8	13.3	15.8	19.9	24.0	27.7	28.5	28.9	28.0	23.1	15.1	15.8
CRMS 0258	9.9	12.3	15.5	19.4	23.0	27.6	28.3	28.8	27.8	23.1	14.8	15.8
CRMS 0224	10.4	11.6	15.3	19.6	23.1	27.5	28.4	29.0	27.8	23.2	15.7	16.4
CRMS 0163	9.6	9.9	11.8	17.6	21.9	27.0	28.8	29.4	28.3	22.9	15.5	12.2
CRMS 0162	13.0	13.0	15.5	19.1	23.2	27.8	29.2	29.6	28.5	24.3	18.0	15.9

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.5	-5.2	-4.7	-3.5	-2.1	-0.6	-1.1	-1.3	-3.0	0.3	-4.9
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.2	-0.2	-0.1	0.0	-0.1	0.0	0.0	0.1	0.3	-0.1	-0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-5.0	-2.6	-2.1	-2.3	-1.3	-1.3	-1.3	-1.0	-1.2	-0.7	-1.7
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-2.1	-1.4	-0.9	-1.1	-0.3	-0.3	-0.3	-0.3	-0.4	-0.5	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.4	-4.1	-2.1	-1.0	-1.8	-0.4	-0.5	-0.5	-0.5	-0.8	-0.9	-1.0
USGS 07380335 - Little Lake Near Cutoff	-0.6	-2.1	-0.9	-0.5	-0.9	0.0	-0.1	-0.1	-0.1	-0.1	-0.4	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.2	-1.5	-0.6	-0.4	-0.2	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.1
HWQ14 - Lake Washington	-0.2	-0.9	-0.3	-0.2	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.3	-0.2
HWQ16 - Bayou Grand Liard	-0.1	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1
CRMS 3985	-0.2	-0.3	-0.2	-0.2	-0.2	-0.1	0.0	0.0	0.1	0.0	-0.1	0.0
CRMS 0258	-0.2	-1.9	-0.7	-0.5	-0.6	-0.2	-0.2	-0.1	-0.1	-0.2	-0.4	-0.4
CRMS 0224	-0.6	-3.1	-1.4	-0.7	-1.1	-0.4	-0.4	-0.3	-0.3	-0.4	-0.3	-0.5
CRMS 0163	0.2	0.6	0.1	0.2	0.0	-0.1	0.0	0.3	0.2	0.7	0.0	0.1
CRMS 0162	0.8	1.7	0.4	0.6	0.3	0.3	0.1	0.1	0.0	0.4	0.4	1.5

Figure WQ TEMP 228 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.8	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	11.8	13.0	15.8	19.9	24.4	28.3	29.4	29.8	28.5	24.1	17.3	17.7
Barataria Waterway at Lafitte (USACE82875)	9.6	9.6	12.9	17.5	22.8	27.4	29.2	29.4	28.2	23.2	16.4	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.4	14.9	17.4	20.7	24.9	28.3	29.4	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.6	14.4	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.7	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	13.9	15.7	19.8	23.5	26.9	27.8	28.2	27.7	23.3	15.4	16.4
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.0	7.9	11.2	16.4	21.6	26.8	28.8	28.8	27.5	22.2	15.9	12.4
CRMS 0162	8.6	9.1	13.1	17.3	22.4	26.9	29.0	28.8	28.2	23.8	18.4	15.7

V3PR7 HYST - cy 5 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.5	20.6	26.0	28.6	28.0	26.4	20.1	14.9	11.2
CRMS0276 - Just east of Wilkinson Canal	11.1	12.9	16.4	20.2	24.5	28.2	29.3	29.8	28.5	24.2	17.2	17.7
Barataria Waterway at Lafitte (USACE82875)	9.8	10.4	13.2	18.0	23.0	27.6	29.3	29.6	28.3	23.5	16.4	14.4
USGS2928590900040000 Barataria Waterway South of Lafitte	6.2	7.0	10.4	15.0	20.9	26.1	28.3	27.7	26.9	22.0	14.0	14.5
USGS7380251 Barataria Bay North of Grand Isle	7.7	8.6	12.2	17.0	22.3	26.8	28.3	28.6	27.6	22.8	14.6	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.9	8.0	11.3	16.4	21.9	26.6	28.4	28.6	27.8	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	9.4	9.6	13.2	18.2	23.1	27.5	29.0	29.6	28.5	24.1	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	9.9	11.5	14.4	19.5	24.3	28.0	29.1	29.6	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	9.8	12.4	15.5	19.9	24.4	28.0	29.2	29.6	28.4	23.6	15.8	16.7
HWQ16 - Bayou Grand Liard	13.3	13.4	16.2	20.0	24.6	28.2	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	9.0	11.8	14.7	19.2	23.7	27.6	28.5	28.8	28.1	23.2	15.2	16.1
CRMS 0258	7.8	9.7	12.9	17.6	22.5	26.5	27.8	27.9	27.6	23.1	15.3	16.2
CRMS 0224	7.4	8.7	12.1	17.1	22.3	26.6	28.2	28.7	27.8	23.2	15.8	16.5
CRMS 0163	8.7	8.5	11.5	17.1	21.8	27.1	28.9	28.9	27.7	22.9	16.0	13.2
CRMS 0162	9.5	9.6	13.7	17.7	22.6	26.9	29.1	29.1	28.4	24.2	18.5	16.7

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.1	-7.1	-5.7	-5.4	-3.4	-1.7	0.2	-0.9	-1.5	-3.0	0.2	-4.9
CRMS0276 - Just east of Wilkinson Canal	-0.6	-0.1	0.6	0.2	0.1	-0.1	-0.1	-0.1	0.0	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.2	0.9	0.3	0.5	0.2	0.2	0.1	0.1	0.0	0.2	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.2	-7.1	-5.6	-5.0	-3.1	-1.7	-0.4	-1.2	-1.0	-1.2	-0.8	-1.8
USGS7380251 Barataria Bay North of Grand Isle	-2.1	-5.2	-3.9	-3.1	-1.9	-1.0	-0.4	-0.4	-0.3	-0.4	-0.5	-0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.8	-6.9	-5.7	-4.1	-2.7	-1.5	-0.8	-1.1	-0.5	-0.8	-0.9	-1.0
USGS 07380335 - Little Lake Near Cutoff	-2.9	-5.2	-4.2	-2.6	-1.8	-0.8	-0.5	-0.4	-0.1	-0.1	-0.4	-0.2
USGS073802516 Barataria Pass at Grand Isle	-2.2	-3.6	-2.9	-1.3	-0.5	-0.2	-0.2	-0.2	-0.1	-0.1	-0.2	-0.1
HWQ14 - Lake Washington	-1.1	-2.1	-1.4	-0.7	-0.3	-0.2	-0.2	-0.1	0.0	-0.1	-0.2	-0.2
HWQ16 - Bayou Grand Liard	-1.3	-0.9	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0
CRMS 3985	-1.0	-1.8	-1.5	-0.9	-0.5	-0.2	-0.2	-0.2	0.0	0.0	-0.2	-0.1
CRMS 0258	-2.2	-4.2	-2.9	-2.1	-1.0	-0.4	0.1	-0.3	-0.1	-0.2	-0.2	-0.3
CRMS 0224	-3.6	-5.9	-4.6	-3.2	-2.0	-1.2	-0.6	-0.6	-0.3	-0.4	-0.3	-0.5
CRMS 0163	0.7	0.6	0.3	0.7	0.2	0.3	0.1	0.1	0.2	0.7	0.1	0.7
CRMS 0162	0.9	0.5	0.6	0.4	0.2	0.1	0.1	0.3	0.2	0.4	0.1	1.1

Figure WQ TEMP 229 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	14.0	15.7	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.3	15.0	16.0	19.9	24.2	28.3	29.4	29.8	28.6	24.2	17.3	16.9
Barataria Waterway at Lafitte (USACE82875)	10.5	12.0	12.8	17.3	22.2	27.1	29.2	29.5	28.2	23.4	16.4	12.8
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.3	16.0	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.7	15.2	17.3	20.7	24.8	28.3	29.4	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.4	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.2	15.7	16.9	20.2	24.5	28.2	29.6	30.2	28.9	25.0	18.8	18.1
CRMS 3985	10.0	13.6	16.0	20.1	24.3	27.9	28.8	29.0	28.1	23.3	15.5	16.1
CRMS 0258	10.2	14.7	15.8	19.8	23.5	27.0	27.8	28.3	27.9	23.3	15.4	16.0
CRMS 0224	11.1	14.9	16.6	20.4	24.3	27.9	28.8	29.3	28.2	23.6	16.1	16.9
CRMS 0163	9.4	10.4	11.1	16.1	21.2	26.5	28.8	28.9	27.6	22.7	15.8	10.7
CRMS 0162	11.7	13.9	13.3	17.2	22.0	26.8	29.1	28.9	28.3	24.2	18.3	11.8

V3PR7 HYST - cy 5 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.3	10.1	14.6	20.7	26.1	28.7	28.0	26.5	20.2	14.8	9.1
CRMS0276 - Just east of Wilkinson Canal	12.3	14.9	16.2	20.1	24.3	28.1	29.3	29.8	28.5	24.2	17.2	16.3
Barataria Waterway at Lafitte (USACE82875)	10.4	12.0	12.9	17.9	22.5	27.3	29.2	29.5	28.3	23.8	16.4	13.4
USGS2928590900040000 Barataria Waterway South of Lafitte	8.2	12.4	10.7	14.9	20.9	26.2	28.4	27.8	26.9	22.0	14.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	9.2	13.4	12.3	16.7	21.8	26.6	28.4	28.7	27.6	22.8	14.6	11.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	14.2	11.6	16.2	21.6	26.5	28.5	29.1	27.8	23.1	15.7	10.5
USGS 07380335 - Little Lake Near Cutoff	12.1	15.0	13.4	18.0	22.6	27.2	29.0	29.9	28.5	24.1	16.7	12.6
USGS073802516 Barataria Pass at Grand Isle	11.9	15.2	14.8	19.5	24.0	27.9	29.1	29.8	28.4	24.0	16.7	14.0
HWQ14 - Lake Washington	10.7	14.4	15.7	19.8	24.2	27.9	29.2	29.7	28.4	23.6	15.8	15.7
HWQ16 - Bayou Grand Liard	15.1	15.6	16.5	20.0	24.4	28.2	29.6	30.2	28.9	25.0	18.6	17.1
CRMS 3985	9.8	13.5	14.5	19.1	23.5	27.5	28.5	28.9	28.1	23.2	15.3	14.1
CRMS 0258	9.9	14.4	13.1	17.4	22.2	26.6	27.9	28.1	27.8	23.1	15.2	12.4
CRMS 0224	10.5	14.4	12.4	16.9	21.9	26.5	28.3	29.0	27.8	23.2	15.8	11.4
CRMS 0163	9.5	11.1	11.3	16.8	21.4	26.8	28.9	28.9	27.8	23.5	15.9	11.2
CRMS 0162	12.6	14.8	13.8	17.5	22.3	26.9	29.1	29.2	28.4	24.5	18.5	13.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-5.8	-5.6	-5.4	-3.4	-1.6	0.3	-0.9	-1.4	-2.9	0.1	-6.7
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.2	0.2	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.6
Barataria Waterway at Lafitte (USACE82875)	-0.2	0.0	0.1	0.5	0.3	0.2	0.1	0.0	0.1	0.4	0.0	0.6
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-1.9	-5.3	-5.1	-3.2	-1.6	-0.3	-1.2	-1.1	-1.2	-0.8	-6.7
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-0.4	-3.7	-3.4	-2.4	-1.2	-0.3	-0.3	-0.3	-0.4	-0.6	-4.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.2	-0.8	-5.4	-4.4	-3.1	-1.6	-0.7	-0.6	-0.5	-0.8	-1.0	-6.7
USGS 07380335 - Little Lake Near Cutoff	-0.6	-0.2	-3.9	-2.8	-2.3	-1.1	-0.4	0.0	-0.1	-0.1	-0.4	-5.0
USGS073802516 Barataria Pass at Grand Isle	-0.2	-0.1	-2.5	-1.3	-0.8	-0.3	-0.2	0.0	-0.1	-0.1	-0.2	-3.5
HWQ14 - Lake Washington	-0.2	-0.2	-1.2	-0.7	-0.5	-0.3	-0.2	0.0	0.0	-0.1	-0.2	-1.3
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.4	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0	-0.2	-1.1
CRMS 3985	-0.2	-0.1	-1.5	-1.0	-0.8	-0.4	-0.3	-0.1	0.0	0.0	-0.2	-2.0
CRMS 0258	-0.2	-0.3	-2.7	-2.4	-1.3	-0.4	0.1	-0.3	-0.1	-0.2	-0.3	-3.6
CRMS 0224	-0.5	-0.5	-4.3	-3.5	-2.3	-1.4	-0.5	-0.3	-0.3	-0.4	-0.3	-5.5
CRMS 0163	0.1	0.7	0.2	0.7	0.2	0.3	0.0	0.0	0.2	0.8	0.1	0.5
CRMS 0162	0.9	0.9	0.5	0.3	0.2	0.1	0.0	0.3	0.1	0.2	0.2	1.3

Figure WQ TEMP 230 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.9	15.8	19.9	24.0	27.7	28.5	28.9	27.8	23.0	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	12.0	14.2	15.5	19.5	24.2	28.3	29.4	29.9	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.1	10.9	12.5	16.5	22.3	27.3	29.2	29.5	28.1	23.3	16.4	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.1	27.8	28.6	29.0	27.8	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.3	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.0	15.3	16.6	20.0	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.6	16.1	20.1	24.3	27.8	28.7	29.0	28.1	23.3	15.5	16.2
CRMS 0258	10.0	14.1	15.7	19.8	23.5	27.0	27.8	28.3	27.2	23.0	15.4	16.5
CRMS 0224	11.0	14.7	16.6	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.6	8.8	11.0	15.6	21.4	26.7	28.8	28.8	27.3	22.3	16.0	12.9
CRMS 0162	9.7	10.5	12.6	16.5	22.2	26.8	29.0	28.9	27.9	23.5	18.5	15.9

V3PR8 HYST - cy 5 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.6	7.4	10.1	14.5	20.7	26.1	28.8	28.1	26.2	20.0	15.1	11.1
CRMS0276 - Just east of Wilkinson Canal	12.0	14.4	16.2	19.9	24.3	28.2	29.3	29.8	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.1	11.3	13.2	17.2	22.8	27.8	29.3	29.7	28.2	23.5	16.4	15.2
USGS2928590900040000 Barataria Waterway South of Lafitte	7.2	9.3	10.4	14.9	20.9	26.2	28.5	28.2	26.8	21.7	14.0	14.2
USGS7380251 Barataria Bay North of Grand Isle	8.3	10.6	11.4	16.1	21.7	26.6	28.4	28.6	27.5	22.6	14.6	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.6	10.5	11.1	16.0	21.6	26.5	28.6	28.9	27.7	22.7	15.7	16.0
USGS 07380335 - Little Lake Near Cutoff	11.0	12.5	12.7	17.7	22.6	27.3	29.0	29.8	28.5	23.9	16.7	17.4
USGS073802516 Barataria Pass at Grand Isle	11.0	14.1	14.1	19.3	24.0	28.0	29.1	29.8	28.4	23.9	16.7	17.4
HWQ14 - Lake Washington	10.2	13.5	14.9	19.4	24.0	27.9	29.1	29.6	28.4	23.6	15.8	16.7
HWQ16 - Bayou Grand Liard	14.4	15.0	15.9	19.8	24.4	28.2	29.6	30.2	28.8	24.9	18.7	18.5
CRMS 3985	9.4	12.6	13.6	18.5	23.2	27.4	28.5	28.9	28.1	23.1	15.2	16.1
CRMS 0258	9.1	12.0	12.9	17.5	22.4	26.6	27.8	28.1	27.0	22.8	15.3	16.3
CRMS 0224	9.1	11.3	12.0	16.9	22.1	26.6	28.2	28.9	27.7	23.0	15.8	16.5
CRMS 0163	8.8	9.0	11.2	15.8	21.6	26.9	28.9	28.9	27.3	22.5	16.0	12.8
CRMS 0162	10.3	11.1	12.8	16.5	22.1	26.8	29.1	28.9	28.0	23.7	18.6	16.2

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-6.4	-5.7	-5.4	-3.4	-1.6	0.4	-0.8	-1.6	-3.0	0.5	-4.9
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.7	0.4	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.4	0.6	0.6	0.5	0.5	0.2	0.2	0.1	0.3	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.2	-4.8	-5.6	-5.1	-3.2	-1.6	-0.1	-0.9	-1.1	-1.5	-0.7	-2.0
USGS7380251 Barataria Bay North of Grand Isle	-1.5	-3.2	-4.7	-4.0	-2.6	-1.3	-0.3	-0.4	-0.4	-0.6	-0.5	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.2	-4.4	-6.0	-4.5	-3.0	-1.6	-0.6	-0.8	-0.6	-1.2	-0.9	-1.3
USGS 07380335 - Little Lake Near Cutoff	-1.5	-2.6	-4.7	-3.0	-2.2	-1.0	-0.5	-0.2	-0.1	-0.3	-0.4	-0.3
USGS073802516 Barataria Pass at Grand Isle	-1.1	-1.2	-3.2	-1.5	-0.8	-0.3	-0.2	-0.1	-0.1	-0.1	-0.2	-0.1
HWQ14 - Lake Washington	-0.7	-1.0	-2.0	-1.1	-0.7	-0.4	-0.3	-0.1	0.0	-0.2	-0.2	-0.3
HWQ16 - Bayou Grand Liard	-0.6	-0.3	-0.7	-0.1	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.2	-0.1
CRMS 3985	-0.6	-1.0	-2.6	-1.6	-1.1	-0.4	-0.2	-0.1	-0.1	-0.1	-0.2	-0.1
CRMS 0258	-0.9	-2.1	-2.8	-2.3	-1.2	-0.4	0.1	-0.2	-0.2	-0.3	-0.2	-0.3
CRMS 0224	-1.9	-3.4	-4.6	-3.4	-2.1	-1.3	-0.6	-0.5	-0.4	-0.6	-0.3	-0.6
CRMS 0163	0.2	0.2	0.2	0.3	0.2	0.2	0.0	0.1	0.0	0.1	0.0	-0.1
CRMS 0162	0.6	0.6	0.2	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.1	0.3

Figure WQ TEMP 231 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	13.8	15.8	19.9	24.0	27.7	28.5	29.0	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	13.4	15.4	19.8	24.3	28.3	29.4	29.9	28.6	24.2	17.3	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	10.0	12.3	17.0	22.4	27.7	29.2	29.6	28.4	23.6	16.4	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.1	16.1	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.1	20.1	24.2	27.8	28.7	29.1	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.5	15.0	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.0	14.7	16.3	20.1	24.5	28.1	29.6	30.2	28.9	25.0	18.8	18.4
CRMS 3985	10.0	13.6	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	14.0	15.7	19.8	23.5	27.2	28.2	29.0	27.9	23.3	15.5	16.1
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	16.9
CRMS 0163	8.5	8.1	10.9	15.9	21.4	27.2	28.8	29.0	27.8	23.0	15.8	11.4
CRMS 0162	9.8	9.4	12.4	17.0	22.1	27.1	29.1	29.2	28.4	24.3	18.2	13.3

V3PR8 HYST - cy 5 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.5	6.8	10.1	14.6	20.6	25.9	28.1	27.8	26.5	20.3	14.9	10.0
CRMS0276 - Just east of Wilkinson Canal	12.0	13.4	16.1	20.1	24.3	28.4	29.4	29.9	28.6	24.2	17.3	17.3
Barataria Waterway at Lafitte (USACE82875)	10.1	10.8	12.9	17.9	22.9	28.0	29.3	29.7	28.4	23.7	16.4	14.2
USGS2928590900040000 Barataria Waterway South of Lafitte	7.1	7.2	10.4	15.0	20.9	26.5	27.5	27.8	26.9	22.0	14.0	11.8
USGS7380251 Barataria Bay North of Grand Isle	8.2	8.5	11.2	16.2	21.7	27.3	28.4	28.8	27.6	22.7	14.6	13.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.6	8.2	11.0	16.1	21.6	27.5	28.7	29.1	27.8	23.1	15.7	13.2
USGS 07380335 - Little Lake Near Cutoff	10.9	10.2	12.5	17.8	22.6	28.1	29.4	29.9	28.5	24.1	16.7	15.5
USGS073802516 Barataria Pass at Grand Isle	11.0	12.2	13.8	19.4	24.0	28.1	29.2	29.8	28.4	24.0	16.7	16.3
HWQ14 - Lake Washington	10.3	12.4	14.6	19.5	24.0	28.1	29.3	29.7	28.3	23.6	15.8	16.3
HWQ16 - Bayou Grand Liard	14.4	13.9	15.5	19.9	24.5	28.1	29.6	30.2	28.9	24.9	18.6	18.1
CRMS 3985	9.4	11.5	13.3	18.6	23.2	27.7	28.6	28.9	28.1	23.2	15.3	15.2
CRMS 0258	9.0	10.7	12.6	17.6	22.3	26.9	27.9	28.9	27.9	23.1	15.3	14.3
CRMS 0224	9.0	9.4	11.8	17.0	22.1	27.4	28.4	29.0	27.8	23.2	15.8	13.9
CRMS 0163	8.7	8.5	11.1	16.3	21.6	27.2	28.8	29.0	27.9	22.9	15.8	11.7
CRMS 0162	10.3	9.7	12.5	16.9	22.1	27.1	29.1	29.3	28.5	24.3	18.2	13.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.7	-7.0	-5.7	-5.4	-3.4	-1.8	-0.4	-1.2	-1.4	-2.8	0.3	-5.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2
Barataria Waterway at Lafitte (USACE82875)	0.1	0.8	0.7	0.9	0.6	0.3	0.1	0.1	0.1	0.1	0.0	0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.3	-6.9	-5.7	-5.0	-3.2	-1.3	-1.1	-1.2	-1.0	-1.2	-0.7	-4.4
USGS7380251 Barataria Bay North of Grand Isle	-1.6	-5.3	-4.9	-3.9	-2.6	-0.5	-0.3	-0.3	-0.3	-0.4	-0.5	-2.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.2	-6.7	-6.0	-4.5	-3.0	-0.6	-0.5	-0.6	-0.5	-0.8	-0.9	-4.1
USGS 07380335 - Little Lake Near Cutoff	-1.6	-4.7	-4.9	-2.9	-2.2	-0.2	-0.1	-0.1	-0.1	-0.2	-0.4	-2.2
USGS073802516 Barataria Pass at Grand Isle	-1.1	-3.1	-3.5	-1.4	-0.8	-0.1	0.0	0.0	-0.1	-0.1	-0.2	-1.3
HWQ14 - Lake Washington	-0.6	-2.1	-2.2	-1.0	-0.7	-0.1	-0.1	-0.1	0.0	-0.1	-0.3	-0.7
HWQ16 - Bayou Grand Liard	-0.5	-0.8	-0.8	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.4
CRMS 3985	-0.7	-2.1	-2.9	-1.5	-1.1	-0.1	-0.1	-0.1	0.0	0.0	-0.2	-0.9
CRMS 0258	-1.0	-3.3	-3.1	-2.2	-1.2	-0.3	-0.3	-0.1	-0.1	-0.2	-0.2	-1.7
CRMS 0224	-2.0	-5.2	-4.8	-3.3	-2.1	-0.5	-0.4	-0.3	-0.3	-0.4	-0.3	-3.0
CRMS 0163	0.2	0.5	0.2	0.4	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.2
CRMS 0162	0.5	0.3	0.1	-0.1	-0.1	0.0	0.1	0.1	0.1	0.0	0.1	0.5

Figure WQ TEMP 232 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	13.8	15.9	20.0	23.9	27.7	28.5	29.0	27.9	23.1	14.4	15.9
CRMS0276 - Just east of Wilkinson Canal	12.4	14.3	16.6	20.3	24.6	28.4	29.4	29.9	28.6	24.2	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	11.2	13.7	18.4	23.2	27.7	29.3	29.7	28.4	23.2	16.3	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.1	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.7	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.8	15.1	17.4	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.3	15.2	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	10.0	13.6	16.0	20.0	24.2	27.8	28.5	28.9	27.9	23.1	15.2	15.8
CRMS 0258	10.1	14.2	16.1	19.9	23.5	27.7	28.5	29.0	27.9	23.3	15.2	16.2
CRMS 0224	11.1	14.7	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	9.5	9.3	11.7	17.4	21.9	27.1	28.8	29.2	28.1	22.2	15.5	12.1
CRMS 0162	12.2	11.2	15.1	18.5	22.9	27.5	29.1	29.6	28.5	24.0	17.5	14.4

V3PR8 HYST - cy 5 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	7.3	10.7	15.3	20.4	25.6	28.0	27.8	26.6	20.0	14.7	10.9
CRMS0276 - Just east of Wilkinson Canal	12.4	14.4	16.8	20.4	24.6	28.4	29.4	29.9	28.6	24.2	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.6	11.6	13.9	18.7	23.5	28.0	29.4	29.8	28.5	23.5	16.2	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	9.3	13.3	18.0	21.8	26.5	27.5	27.7	26.9	21.9	14.0	14.4
USGS7380251 Barataria Bay North of Grand Isle	9.2	11.3	14.5	19.1	23.0	27.4	28.4	28.7	27.6	22.7	14.5	15.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	10.7	14.9	19.5	22.8	27.7	28.7	29.1	27.8	23.1	15.7	16.2
USGS 07380335 - Little Lake Near Cutoff	12.1	13.1	16.6	20.3	24.0	28.3	29.4	29.9	28.5	24.1	16.6	17.4
USGS073802516 Barataria Pass at Grand Isle	11.9	13.8	16.8	20.5	24.6	28.2	29.2	29.8	28.4	24.0	16.7	17.4
HWQ14 - Lake Washington	10.7	13.5	16.4	20.3	24.5	28.2	29.3	29.6	28.3	23.6	15.8	16.7
HWQ16 - Bayou Grand Liard	15.1	14.8	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.5	18.5
CRMS 3985	9.8	13.2	15.7	19.8	23.9	27.7	28.6	28.9	28.0	23.1	15.1	15.9
CRMS 0258	9.9	12.6	15.7	19.4	23.0	27.6	28.3	28.9	27.8	23.1	14.8	15.9
CRMS 0224	10.5	11.9	15.5	19.7	23.2	27.5	28.4	29.0	27.8	23.2	15.7	16.5
CRMS 0163	9.5	9.5	11.6	17.3	21.9	27.0	28.8	29.2	28.1	22.3	15.5	12.0
CRMS 0162	12.4	11.9	15.1	18.5	22.9	27.5	29.2	29.6	28.5	24.1	17.7	14.6

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-6.5	-5.1	-4.7	-3.6	-2.2	-0.6	-1.2	-1.3	-3.0	0.3	-5.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.4	0.2	0.3	0.3	0.2	0.1	0.1	0.1	0.3	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-4.8	-2.7	-2.0	-2.2	-1.3	-1.1	-1.3	-1.0	-1.2	-0.7	-1.8
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-2.5	-1.5	-0.9	-1.2	-0.4	-0.3	-0.3	-0.3	-0.4	-0.5	-0.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.5	-4.2	-2.1	-1.1	-1.8	-0.4	-0.5	-0.6	-0.5	-0.8	-0.9	-1.0
USGS 07380335 - Little Lake Near Cutoff	-0.6	-2.0	-0.8	-0.5	-0.9	0.0	-0.1	-0.1	-0.1	-0.1	-0.4	-0.2
USGS073802516 Barataria Pass at Grand Isle	-0.2	-1.5	-0.6	-0.4	-0.2	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.2
HWQ14 - Lake Washington	-0.2	-1.0	-0.4	-0.2	-0.2	0.0	-0.1	-0.1	-0.1	-0.1	-0.3	-0.3
HWQ16 - Bayou Grand Liard	-0.2	-0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1
CRMS 3985	-0.2	-0.4	-0.3	-0.2	-0.3	-0.1	0.1	0.0	0.1	0.0	-0.1	0.1
CRMS 0258	-0.2	-1.5	-0.5	-0.4	-0.5	-0.2	-0.2	-0.1	-0.1	-0.2	-0.3	-0.3
CRMS 0224	-0.6	-2.8	-1.2	-0.7	-1.1	-0.4	-0.4	-0.3	-0.3	-0.4	-0.3	-0.5
CRMS 0163	0.0	0.2	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	-0.1
CRMS 0162	0.3	0.7	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.2	0.2

Figure WQ TEMP 233 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.8	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	11.8	13.0	15.8	19.9	24.4	28.3	29.4	29.8	28.5	24.1	17.3	17.7
Barataria Waterway at Lafitte (USACE82875)	9.6	9.6	12.9	17.5	22.8	27.4	29.2	29.4	28.2	23.2	16.4	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.4	14.9	17.4	20.7	24.9	28.3	29.4	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.6	14.4	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.7	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	13.9	15.7	19.8	23.5	26.9	27.8	28.2	27.7	23.3	15.4	16.4
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.0	7.9	11.2	16.4	21.6	26.8	28.8	28.8	27.5	22.2	15.9	12.4
CRMS 0162	8.6	9.1	13.1	17.3	22.4	26.9	29.0	28.8	28.2	23.8	18.4	15.7

V3PR8 HYST - cy 5 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.0	6.7	10.1	14.5	20.6	26.0	28.7	28.0	26.4	20.1	14.9	11.1
CRMS0276 - Just east of Wilkinson Canal	11.3	13.1	16.5	20.2	24.6	28.3	29.3	29.8	28.5	24.2	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	9.9	10.4	13.5	18.3	23.4	27.9	29.3	29.7	28.3	23.4	16.4	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	6.3	7.1	10.6	15.2	21.0	26.2	28.4	28.0	26.9	21.9	14.1	14.4
USGS7380251 Barataria Bay North of Grand Isle	7.4	8.2	11.8	16.7	22.0	26.7	28.3	28.6	27.6	22.8	14.6	15.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.9	8.0	11.3	16.3	21.9	26.6	28.5	28.8	27.8	23.1	15.7	16.3
USGS 07380335 - Little Lake Near Cutoff	9.5	9.8	13.3	18.2	23.1	27.5	29.0	29.6	28.5	24.1	16.7	17.5
USGS073802516 Barataria Pass at Grand Isle	9.9	11.7	14.5	19.6	24.3	28.0	29.1	29.7	28.5	24.0	16.7	17.4
HWQ14 - Lake Washington	9.7	12.1	15.2	19.7	24.3	27.9	29.1	29.6	28.4	23.6	15.8	16.7
HWQ16 - Bayou Grand Liard	13.3	13.5	16.2	20.1	24.6	28.2	29.6	30.2	28.9	24.9	18.6	18.5
CRMS 3985	8.7	11.1	14.2	18.9	23.5	27.5	28.5	28.8	28.1	23.2	15.3	16.1
CRMS 0258	8.0	10.3	13.4	18.0	22.6	26.5	27.7	27.9	27.6	23.2	15.3	16.2
CRMS 0224	7.6	9.1	12.5	17.5	22.4	26.7	28.2	28.7	27.8	23.2	15.8	16.5
CRMS 0163	8.6	8.3	11.4	17.0	21.8	27.0	28.9	28.9	27.5	22.2	15.9	12.3
CRMS 0162	9.1	9.2	13.3	17.3	22.4	26.8	29.1	28.9	28.3	23.9	18.5	16.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.1	-7.1	-5.7	-5.4	-3.4	-1.7	0.3	-0.9	-1.5	-3.0	0.3	-5.0
CRMS0276 - Just east of Wilkinson Canal	-0.5	0.2	0.7	0.3	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.3	0.9	0.6	0.8	0.5	0.5	0.2	0.2	0.1	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.1	-7.0	-5.5	-4.8	-3.0	-1.6	-0.2	-0.9	-1.0	-1.3	-0.7	-1.9
USGS7380251 Barataria Bay North of Grand Isle	-2.3	-5.6	-4.3	-3.4	-2.2	-1.1	-0.3	-0.4	-0.3	-0.4	-0.5	-0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.9	-6.8	-5.8	-4.3	-2.7	-1.5	-0.7	-0.9	-0.5	-0.8	-0.9	-1.0
USGS 07380335 - Little Lake Near Cutoff	-2.9	-5.1	-4.1	-2.5	-1.7	-0.8	-0.5	-0.3	-0.1	-0.1	-0.4	-0.2
USGS073802516 Barataria Pass at Grand Isle	-2.2	-3.5	-2.8	-1.3	-0.5	-0.2	-0.2	-0.2	-0.1	-0.1	-0.2	-0.1
HWQ14 - Lake Washington	-1.2	-2.4	-1.7	-0.8	-0.5	-0.3	-0.2	-0.1	0.0	-0.1	-0.3	-0.3
HWQ16 - Bayou Grand Liard	-1.4	-0.9	-0.5	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1
CRMS 3985	-1.2	-2.6	-2.0	-1.2	-0.7	-0.4	-0.3	-0.2	0.0	0.0	-0.2	-0.1
CRMS 0258	-2.0	-3.6	-2.3	-1.8	-0.9	-0.4	-0.1	-0.3	-0.1	-0.1	-0.1	-0.2
CRMS 0224	-3.4	-5.5	-4.2	-2.9	-1.8	-1.2	-0.6	-0.6	-0.3	-0.4	-0.3	-0.5
CRMS 0163	0.6	0.4	0.2	0.5	0.2	0.2	0.1	0.1	0.0	0.0	0.0	-0.1
CRMS 0162	0.5	0.1	0.1	0.0	0.0	-0.1	0.0	0.1	0.1	0.1	0.1	0.4

Figure WQ TEMP 234 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	14.0	15.7	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.3	15.0	16.0	19.9	24.2	28.3	29.4	29.8	28.6	24.2	17.3	16.9
Barataria Waterway at Lafitte (USACE82875)	10.5	12.0	12.8	17.3	22.2	27.1	29.2	29.5	28.2	23.4	16.4	12.8
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.3	16.0	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.7	15.2	17.3	20.7	24.8	28.3	29.4	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.4	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.2	15.7	16.9	20.2	24.5	28.2	29.6	30.2	28.9	25.0	18.8	18.1
CRMS 3985	10.0	13.6	16.0	20.1	24.3	27.9	28.8	29.0	28.1	23.3	15.5	16.1
CRMS 0258	10.2	14.7	15.8	19.8	23.5	27.0	27.8	28.3	27.9	23.3	15.4	16.0
CRMS 0224	11.1	14.9	16.6	20.4	24.3	27.9	28.8	29.3	28.2	23.6	16.1	16.9
CRMS 0163	9.4	10.4	11.1	16.1	21.2	26.5	28.8	28.9	27.6	22.7	15.8	10.7
CRMS 0162	11.7	13.9	13.3	17.2	22.0	26.8	29.1	28.9	28.3	24.2	18.3	11.8

V3PR8 HYST - cy 5 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.0	8.3	10.2	14.6	20.6	26.1	28.8	28.0	26.5	20.2	14.9	9.1
CRMS0276 - Just east of Wilkinson Canal	12.4	15.0	16.3	20.2	24.3	28.2	29.3	29.8	28.5	24.2	17.3	16.5
Barataria Waterway at Lafitte (USACE82875)	10.6	12.0	13.3	18.2	22.7	27.5	29.3	29.7	28.3	23.7	16.4	13.8
USGS2928590900040000 Barataria Waterway South of Lafitte	8.1	12.3	10.8	15.0	20.9	26.2	28.4	28.1	26.9	22.0	14.0	9.6
USGS7380251 Barataria Bay North of Grand Isle	9.3	13.4	12.0	16.4	21.6	26.5	28.4	28.7	27.6	22.8	14.6	11.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	14.2	11.6	16.2	21.6	26.5	28.6	29.1	27.8	23.1	15.6	10.6
USGS 07380335 - Little Lake Near Cutoff	12.1	15.1	13.5	18.1	22.6	27.3	29.0	29.9	28.5	24.1	16.7	12.8
USGS073802516 Barataria Pass at Grand Isle	11.9	15.2	14.9	19.6	24.0	27.9	29.1	29.8	28.4	24.0	16.7	14.2
HWQ14 - Lake Washington	10.7	14.3	15.4	19.6	24.0	27.8	29.1	29.7	28.3	23.6	15.8	15.4
HWQ16 - Bayou Grand Liard	15.0	15.6	16.5	20.0	24.5	28.2	29.6	30.2	28.9	24.9	18.6	17.1
CRMS 3985	9.8	13.6	14.0	18.8	23.2	27.4	28.5	28.9	28.1	23.2	15.3	13.6
CRMS 0258	10.0	14.4	13.5	17.8	22.3	26.6	27.7	28.1	27.9	23.2	15.2	12.9
CRMS 0224	10.5	14.4	12.7	17.2	22.1	26.6	28.2	29.0	27.8	23.2	15.8	11.8
CRMS 0163	9.4	10.3	11.2	16.7	21.4	26.7	28.9	28.9	27.6	23.0	15.8	11.1
CRMS 0162	12.0	14.2	13.6	17.2	22.0	26.7	29.1	29.0	28.4	24.3	18.3	12.3

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-5.7	-5.5	-5.4	-3.4	-1.6	0.3	-0.9	-1.5	-2.9	0.2	-6.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.4	0.3	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.4
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.5	0.9	0.5	0.4	0.2	0.2	0.1	0.3	0.0	0.9
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-2.0	-5.2	-5.0	-3.2	-1.7	-0.2	-0.9	-1.0	-1.2	-0.8	-6.5
USGS7380251 Barataria Bay North of Grand Isle	-0.6	-0.4	-4.1	-3.7	-2.6	-1.3	-0.3	-0.3	-0.3	-0.4	-0.5	-5.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.3	-0.8	-5.4	-4.4	-3.0	-1.6	-0.6	-0.6	-0.5	-0.8	-1.0	-6.7
USGS 07380335 - Little Lake Near Cutoff	-0.6	-0.2	-3.8	-2.7	-2.2	-1.0	-0.4	0.0	-0.1	-0.1	-0.4	-4.7
USGS073802516 Barataria Pass at Grand Isle	-0.2	-0.1	-2.4	-1.3	-0.8	-0.3	-0.2	0.0	-0.1	-0.1	-0.2	-3.4
HWQ14 - Lake Washington	-0.2	-0.2	-1.5	-0.9	-0.7	-0.4	-0.2	0.0	0.0	-0.1	-0.3	-1.6
HWQ16 - Bayou Grand Liard	-0.2	-0.1	-0.4	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-1.0
CRMS 3985	-0.2	-0.1	-2.0	-1.3	-1.0	-0.5	-0.3	-0.1	0.0	-0.1	-0.2	-2.5
CRMS 0258	-0.2	-0.2	-2.3	-2.0	-1.2	-0.4	0.0	-0.2	-0.1	-0.1	-0.2	-3.1
CRMS 0224	-0.5	-0.5	-3.9	-3.1	-2.1	-1.3	-0.6	-0.3	-0.3	-0.4	-0.4	-5.1
CRMS 0163	0.0	-0.1	0.1	0.6	0.1	0.1	0.0	0.0	0.0	0.3	0.0	0.4
CRMS 0162	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.5

Figure WQ TEMP 235 - Monthly Average Temperature (°C) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.9	15.8	19.9	24.0	27.7	28.5	28.9	27.8	23.0	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	12.0	14.2	15.5	19.5	24.2	28.3	29.4	29.9	28.5	24.1	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.1	10.9	12.5	16.5	22.3	27.3	29.2	29.5	28.1	23.3	16.4	15.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.1	27.8	28.6	29.0	27.8	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.5	15.1	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.3	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.0	15.3	16.6	20.0	24.5	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.6	16.1	20.1	24.3	27.8	28.7	29.0	28.1	23.3	15.5	16.2
CRMS 0258	10.0	14.1	15.7	19.8	23.5	27.0	27.8	28.3	27.2	23.0	15.4	16.5
CRMS 0224	11.0	14.7	16.6	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.6	8.8	11.0	15.6	21.4	26.7	28.8	28.8	27.3	22.3	16.0	12.9
CRMS 0162	9.7	10.5	12.6	16.5	22.2	26.8	29.0	28.9	27.9	23.5	18.5	15.9

V3PR9 HYST - cy 5 - 2008 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.7	19.9	24.0	27.7	28.4	28.9	27.8	23.0	14.6	16.1
CRMS0276 - Just east of Wilkinson Canal	12.3	14.7	16.0	19.8	24.4	28.4	29.4	29.8	28.5	24.2	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.4	11.8	13.4	17.6	23.0	27.8	29.3	29.7	28.3	23.8	16.6	15.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.1	27.8	28.6	29.0	27.8	23.1	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.0	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.6	15.1	17.4	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.3	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.1	15.4	16.9	20.1	24.6	28.2	29.7	30.2	28.9	25.0	18.9	18.6
CRMS 3985	10.0	13.6	16.0	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.5	16.2
CRMS 0258	9.9	14.2	15.8	19.8	23.5	27.0	27.8	28.3	27.2	23.0	15.4	16.6
CRMS 0224	11.0	14.8	16.7	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	9.1	9.4	11.3	16.0	21.6	26.8	28.9	28.9	27.5	23.2	16.2	14.0
CRMS 0162	11.2	12.3	13.1	17.1	22.6	27.0	29.1	29.2	28.3	24.0	18.5	15.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.2	0.5	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.4	0.9	0.9	1.1	0.7	0.5	0.2	0.3	0.2	0.6	0.2	0.8
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 3985	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.4	0.5	0.2	0.4	0.2	0.1	0.1	0.1	0.2	0.9	0.2	1.1
CRMS 0162	1.4	1.8	0.5	0.5	0.4	0.2	0.0	0.3	0.4	0.6	0.0	-0.1

Figure WQ TEMP 236 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	13.8	15.8	19.9	24.0	27.7	28.5	29.0	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.0	13.4	15.4	19.8	24.3	28.3	29.4	29.9	28.6	24.2	17.3	17.5
Barataria Waterway at Lafitte (USACE82875)	10.0	10.0	12.3	17.0	22.4	27.7	29.2	29.6	28.4	23.6	16.4	13.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.1	16.1	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.1	20.1	24.2	27.8	28.7	29.1	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.5	15.0	17.3	20.7	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.0	14.7	16.3	20.1	24.5	28.1	29.6	30.2	28.9	25.0	18.8	18.4
CRMS 3985	10.0	13.6	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	14.0	15.7	19.8	23.5	27.2	28.2	29.0	27.9	23.3	15.5	16.1
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	16.9
CRMS 0163	8.5	8.1	10.9	15.9	21.4	27.2	28.8	29.0	27.8	23.0	15.8	11.4
CRMS 0162	9.8	9.4	12.4	17.0	22.1	27.1	29.1	29.2	28.4	24.3	18.2	13.3

V3PR9 HYST - cy 5 - 1994 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	13.8	15.7	19.9	24.0	27.7	28.5	29.0	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.3	14.2	15.9	20.1	24.4	28.4	29.4	29.9	28.6	24.3	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.5	11.1	13.2	18.2	23.1	28.0	29.4	29.8	28.5	24.0	16.5	14.9
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.1	16.0	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.7	16.1	20.1	24.2	27.8	28.7	29.0	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.6	15.1	17.3	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.3	29.7	28.4	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	15.1	15.1	16.7	20.2	24.6	28.1	29.6	30.2	28.9	25.0	18.8	18.5
CRMS 3985	10.0	13.6	16.1	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	14.1	15.8	19.8	23.5	27.2	28.2	29.0	27.9	23.3	15.4	16.0
CRMS 0224	11.0	14.7	16.7	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	16.9
CRMS 0163	9.0	8.7	11.2	16.4	21.6	27.2	28.9	29.2	28.3	23.8	16.0	12.0
CRMS 0162	11.1	10.3	13.0	17.6	22.7	27.5	29.1	29.4	28.5	24.4	18.3	15.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.3	0.8	0.5	0.3	0.2	0.0	0.0	0.0	0.0	0.1	0.1	0.3
Barataria Waterway at Lafitte (USACE82875)	0.5	1.1	0.9	1.1	0.8	0.4	0.1	0.2	0.2	0.4	0.1	1.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.4	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1
CRMS 3985	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.5	0.6	0.3	0.4	0.2	0.0	0.1	0.2	0.5	0.8	0.2	0.6
CRMS 0162	1.3	0.9	0.6	0.6	0.6	0.4	0.1	0.2	0.1	0.2	0.1	1.7

Figure WQ TEMP 237 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	13.8	15.9	20.0	23.9	27.7	28.5	29.0	27.9	23.1	14.4	15.9
CRMS0276 - Just east of Wilkinson Canal	12.4	14.3	16.6	20.3	24.6	28.4	29.4	29.9	28.6	24.2	17.2	17.6
Barataria Waterway at Lafitte (USACE82875)	10.5	11.2	13.7	18.4	23.2	27.7	29.3	29.7	28.4	23.2	16.3	14.5
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.1	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.7	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.8	15.1	17.4	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.3	15.2	17.3	20.4	24.7	28.1	29.6	30.2	28.9	24.9	18.7	18.5
CRMS 3985	10.0	13.6	16.0	20.0	24.2	27.8	28.5	28.9	27.9	23.1	15.2	15.8
CRMS 0258	10.1	14.2	16.1	19.9	23.5	27.7	28.5	29.0	27.9	23.3	15.2	16.2
CRMS 0224	11.1	14.7	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	9.5	9.3	11.7	17.4	21.9	27.1	28.8	29.2	28.1	22.2	15.5	12.1
CRMS 0162	12.2	11.2	15.1	18.5	22.9	27.5	29.1	29.6	28.5	24.0	17.5	14.4

V3PR9 HYST - cy 5 - 2006 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	13.8	15.9	20.0	23.9	27.7	28.5	29.0	27.9	23.1	14.4	15.9
CRMS0276 - Just east of Wilkinson Canal	12.6	14.7	16.8	20.5	24.7	28.4	29.4	29.9	28.6	24.3	17.3	17.8
Barataria Waterway at Lafitte (USACE82875)	10.9	12.3	14.5	19.2	23.7	28.1	29.4	29.9	28.5	23.9	16.4	15.4
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.1	16.0	20.1	24.0	27.8	28.6	29.0	27.9	23.1	14.6	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.0	24.1	27.8	28.7	29.0	27.9	23.1	15.0	15.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.0	20.6	24.5	28.1	29.2	29.6	28.3	23.9	16.5	17.2
USGS 07380335 - Little Lake Near Cutoff	12.8	15.1	17.4	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.0	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.0	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.3	29.7	28.4	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	15.5	15.4	17.4	20.4	24.7	28.1	29.6	30.1	28.9	24.9	18.7	18.5
CRMS 3985	10.0	13.6	16.0	20.0	24.1	27.7	28.5	28.9	27.9	23.0	15.2	15.8
CRMS 0258	10.1	14.2	16.2	19.9	23.5	27.7	28.5	29.0	27.9	23.3	15.1	16.2
CRMS 0224	11.1	14.8	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.0	17.0
CRMS 0163	9.9	10.2	11.9	17.6	22.0	27.0	28.9	29.5	28.3	23.4	15.7	12.7
CRMS 0162	13.2	12.9	15.7	19.4	23.5	27.9	29.2	29.7	28.5	24.3	17.9	16.1

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.2	0.4	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.4	1.0	0.8	0.8	0.5	0.4	0.1	0.2	0.1	0.7	0.1	0.9
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
USGS 07380335 - Little Lake Near Cutoff	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.2	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0258	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.5	0.9	0.3	0.3	0.0	0.0	0.2	0.4	0.2	1.2	0.1	0.6
CRMS 0162	1.0	1.7	0.6	0.9	0.5	0.4	0.1	0.2	0.0	0.4	0.4	1.7

Figure WQ TEMP 238 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.8	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	11.8	13.0	15.8	19.9	24.4	28.3	29.4	29.8	28.5	24.1	17.3	17.7
Barataria Waterway at Lafitte (USACE82875)	9.6	9.6	12.9	17.5	22.8	27.4	29.2	29.4	28.2	23.2	16.4	14.6
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.8	17.1	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.3
USGS 07380335 - Little Lake Near Cutoff	12.4	14.9	17.4	20.7	24.9	28.3	29.4	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.9	17.6
HWQ14 - Lake Washington	10.9	14.5	16.9	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	14.6	14.4	16.6	20.2	24.6	28.2	29.6	30.2	28.9	24.9	18.8	18.6
CRMS 3985	10.0	13.7	16.2	20.1	24.3	27.8	28.7	29.0	28.1	23.2	15.4	16.1
CRMS 0258	10.0	13.9	15.7	19.8	23.5	26.9	27.8	28.2	27.7	23.3	15.4	16.4
CRMS 0224	11.0	14.6	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.0	7.9	11.2	16.4	21.6	26.8	28.8	28.8	27.5	22.2	15.9	12.4
CRMS 0162	8.6	9.1	13.1	17.3	22.4	26.9	29.0	28.8	28.2	23.8	18.4	15.7

V3PR9 HYST - cy 5 - 2010 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	13.8	15.7	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	16.0
CRMS0276 - Just east of Wilkinson Canal	12.1	13.8	16.2	20.2	24.6	28.4	29.4	29.9	28.6	24.2	17.3	17.9
Barataria Waterway at Lafitte (USACE82875)	10.2	10.7	13.7	18.6	23.5	27.9	29.3	29.7	28.4	23.9	16.5	16.1
USGS2928590900040000 Barataria Waterway South of Lafitte	9.4	14.2	16.0	20.0	24.0	27.8	28.6	29.0	27.9	23.2	14.8	16.3
USGS7380251 Barataria Bay North of Grand Isle	9.7	13.8	16.1	20.1	24.2	27.8	28.7	29.0	27.9	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.7	14.8	17.1	20.6	24.6	28.1	29.2	29.6	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.5	15.0	17.4	20.8	24.9	28.3	29.5	30.0	28.6	24.2	17.1	17.7
USGS073802516 Barataria Pass at Grand Isle	12.1	15.2	17.4	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.3	29.7	28.4	23.7	16.0	16.9
HWQ16 - Bayou Grand Liard	14.8	14.8	16.9	20.3	24.7	28.2	29.6	30.2	28.9	25.0	18.8	18.5
CRMS 3985	10.0	13.6	16.2	20.1	24.2	27.8	28.7	29.0	28.1	23.2	15.5	16.1
CRMS 0258	10.0	14.0	15.8	19.8	23.5	26.9	27.8	28.2	27.7	23.3	15.4	16.4
CRMS 0224	11.0	14.7	16.7	20.4	24.2	27.9	28.8	29.3	28.1	23.6	16.1	17.0
CRMS 0163	8.6	8.4	11.5	17.0	21.8	26.9	28.9	28.9	28.0	23.5	16.1	14.1
CRMS 0162	9.3	9.6	13.7	17.9	22.9	27.1	29.1	29.1	28.4	24.2	18.4	16.8

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.3	0.8	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.6	1.2	0.8	1.1	0.7	0.5	0.2	0.3	0.2	0.7	0.1	1.5
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.2	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1
CRMS 3985	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.6	0.5	0.3	0.5	0.2	0.1	0.1	0.1	0.5	1.3	0.2	1.7
CRMS 0162	0.7	0.5	0.5	0.6	0.5	0.2	0.1	0.3	0.2	0.4	0.0	1.1

Figure WQ TEMP 239 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	14.0	15.7	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.3	15.0	16.0	19.9	24.2	28.3	29.4	29.8	28.6	24.2	17.3	16.9
Barataria Waterway at Lafitte (USACE82875)	10.5	12.0	12.8	17.3	22.2	27.1	29.2	29.5	28.2	23.4	16.4	12.8
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.3	16.0	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.2
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.9	14.9	17.0	20.6	24.6	28.1	29.2	29.7	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.7	15.2	17.3	20.7	24.8	28.3	29.4	30.0	28.6	24.2	17.0	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.4	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.4	29.7	28.4	23.7	16.1	17.0
HWQ16 - Bayou Grand Liard	15.2	15.7	16.9	20.2	24.5	28.2	29.6	30.2	28.9	25.0	18.8	18.1
CRMS 3985	10.0	13.6	16.0	20.1	24.3	27.9	28.8	29.0	28.1	23.3	15.5	16.1
CRMS 0258	10.2	14.7	15.8	19.8	23.5	27.0	27.8	28.3	27.9	23.3	15.4	16.0
CRMS 0224	11.1	14.9	16.6	20.4	24.3	27.9	28.8	29.3	28.2	23.6	16.1	16.9
CRMS 0163	9.4	10.4	11.1	16.1	21.2	26.5	28.8	28.9	27.6	22.7	15.8	10.7
CRMS 0162	11.7	13.9	13.3	17.2	22.0	26.8	29.1	28.9	28.3	24.2	18.3	11.8

V3PR9 HYST - cy 5 - 2011 (FWP)												
	monthly average Temperature (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	14.1	15.7	19.9	24.0	27.7	28.4	28.9	27.9	23.1	14.6	15.8
CRMS0276 - Just east of Wilkinson Canal	12.5	14.9	16.5	20.2	24.4	28.3	29.4	29.8	28.6	24.2	17.3	17.5
Barataria Waterway at Lafitte (USACE82875)	10.8	12.8	14.0	18.4	22.9	27.6	29.3	29.7	28.5	24.0	16.6	14.0
USGS2928590900040000 Barataria Waterway South of Lafitte	9.5	14.3	16.0	20.0	24.1	27.8	28.6	29.0	27.9	23.2	14.8	16.1
USGS7380251 Barataria Bay North of Grand Isle	9.8	13.8	16.0	20.1	24.2	27.8	28.7	29.0	28.0	23.1	15.1	16.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.8	14.9	17.0	20.6	24.6	28.1	29.2	29.6	28.3	23.9	16.6	17.2
USGS 07380335 - Little Lake Near Cutoff	12.8	15.2	17.4	20.8	24.9	28.3	29.4	30.0	28.6	24.2	17.1	17.6
USGS073802516 Barataria Pass at Grand Isle	12.1	15.3	17.3	20.9	24.8	28.2	29.2	29.8	28.5	24.1	16.8	17.6
HWQ14 - Lake Washington	10.9	14.5	16.8	20.5	24.7	28.2	29.3	29.7	28.4	23.7	16.0	17.0
HWQ16 - Bayou Grand Liard	15.3	15.5	17.2	20.3	24.6	28.2	29.6	30.2	28.9	25.0	18.9	18.3
CRMS 3985	10.0	13.6	16.0	20.1	24.3	27.8	28.7	29.0	28.1	23.3	15.5	16.1
CRMS 0258	10.2	14.7	15.8	19.8	23.5	27.0	27.8	28.3	27.9	23.3	15.4	16.0
CRMS 0224	11.1	14.9	16.7	20.4	24.3	27.9	28.8	29.3	28.1	23.6	16.1	16.9
CRMS 0163	9.7	10.9	11.6	16.6	21.4	26.7	28.9	28.9	28.1	23.8	16.0	11.1
CRMS 0162	12.5	12.5	13.5	17.6	22.5	27.0	29.1	29.3	28.4	24.5	18.4	13.0

Difference (FWP-FWOP)												
	monthly average Temperature difference (oC)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.2	-0.1	0.5	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.6
Barataria Waterway at Lafitte (USACE82875)	0.3	0.8	1.2	1.1	0.7	0.5	0.2	0.2	0.2	0.6	0.2	1.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	-0.2	0.3	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.2
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0163	0.3	0.5	0.4	0.5	0.2	0.2	0.0	0.1	0.5	1.0	0.2	0.4
CRMS 0162	0.8	-1.4	0.2	0.4	0.5	0.3	0.1	0.3	0.1	0.3	0.1	1.2

Figure WQ TEMP 240 - Monthly Average Temperature (°C) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve Total Nitrogen Data Tables

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.23	0.99	0.66	0.63	0.60	0.61	0.66	0.64	0.67	0.88	0.98
CRMS0276 - Just east of Wilkinson Canal	1.28	1.51	1.45	1.33	1.40	1.29	0.91	0.84	1.06	1.07	1.15	1.29
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.82	1.69	1.68	1.58	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.13	0.79	0.59	0.63	0.61	0.60	0.63	0.63	0.65	0.87	0.90
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.40	1.19	0.72	0.60	0.61	0.71	0.74	0.82	0.82	1.00	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.28	1.05	0.68	0.61	0.58	0.61	0.60	0.70	0.70	0.87	1.08
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.07	0.76	0.69	0.61	0.62	0.61	0.73	0.71	0.85	1.03
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.72	0.66	0.62	0.61	0.59	0.69	0.69	0.83	1.04
HWQ14 - Lake Washington	1.38	1.35	1.12	0.68	0.57	0.57	0.65	0.63	0.74	0.75	0.92	1.20
HWQ16 - Bayou Grand Liard	1.09	1.23	1.18	0.99	1.03	0.91	0.78	0.72	0.80	0.74	0.81	0.95
CRMS 3985	1.54	1.52	1.33	0.81	0.63	0.70	0.95	0.96	0.98	0.98	1.19	1.49
CRMS 0258	1.24	1.26	1.18	0.89	0.95	1.05	0.91	0.79	0.73	0.77	1.08	1.07
CRMS 0224	1.18	1.18	0.87	0.68	0.69	0.67	0.60	0.58	0.69	0.69	0.89	0.99
CRMS 0163	1.84	1.89	1.78	1.72	1.73	1.57	1.40	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.91	1.90	1.90	1.88	1.93	1.90	1.79	1.92	1.88	1.97

V3PR2 HYST - cy 0 - 1970 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.97	1.97	1.98	1.98	1.99	1.91	1.91	1.87	1.84	1.90	1.95
CRMS0276 - Just east of Wilkinson Canal	1.42	1.51	1.40	1.31	1.34	1.23	0.96	0.87	1.08	1.09	1.18	1.32
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.81	1.66	1.67	1.57	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.93	1.91	1.91	1.91	1.93	1.96	1.65	1.63	1.52	1.57	1.86	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.54	1.52	1.55	1.36	1.36	1.00	0.81	0.83	0.84	0.85	1.12	1.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.57	1.59	1.66	1.55	1.63	1.46	0.95	0.81	0.89	0.91	1.11	1.36
USGS 07380335 - Little Lake Near Cutoff	1.48	1.52	1.60	1.42	1.50	1.30	0.91	0.74	0.84	0.84	1.04	1.25
USGS073802516 Barataria Pass at Grand Isle	1.42	1.42	1.36	1.07	1.04	0.88	0.77	0.68	0.76	0.78	0.96	1.17
HWQ14 - Lake Washington	1.41	1.40	1.24	0.89	0.84	0.72	0.67	0.67	0.73	0.77	0.95	1.21
HWQ16 - Bayou Grand Liard	1.19	1.30	1.30	1.11	1.16	1.02	0.85	0.74	0.83	0.77	0.85	1.01
CRMS 3985	1.49	1.48	1.28	0.90	0.87	0.76	0.76	0.81	0.84	0.85	1.06	1.39
CRMS 0258	1.60	1.55	1.57	1.30	1.36	1.26	1.08	0.98	0.87	0.88	1.32	1.27
CRMS 0224	1.60	1.54	1.53	1.27	1.26	1.14	0.91	0.83	0.87	0.92	1.25	1.34
CRMS 0163	1.84	1.88	1.78	1.70	1.72	1.57	1.41	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.90	1.89	1.89	1.88	1.92	1.89	1.77	1.92	1.89	1.97

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.75	0.99	1.32	1.35	1.39	1.30	1.25	1.23	1.17	1.02	0.96
CRMS0276 - Just east of Wilkinson Canal	0.13	0.00	-0.05	-0.02	-0.06	-0.06	0.05	0.03	0.02	0.01	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.78	1.12	1.31	1.30	1.35	1.05	1.00	0.88	0.92	0.99	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.11	0.36	0.64	0.76	0.39	0.10	0.08	0.01	0.03	0.12	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.32	0.61	0.86	1.02	0.88	0.35	0.21	0.19	0.21	0.25	0.28
USGS 07380335 - Little Lake Near Cutoff	0.26	0.26	0.53	0.66	0.81	0.69	0.29	0.12	0.11	0.12	0.18	0.22
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.31	0.35	0.38	0.26	0.16	0.09	0.07	0.09	0.13	0.14
HWQ14 - Lake Washington	0.02	0.04	0.12	0.21	0.27	0.15	0.02	0.04	-0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.10	0.06	0.12	0.12	0.13	0.10	0.06	0.02	0.02	0.03	0.04	0.06
CRMS 3985	-0.05	-0.04	-0.05	0.09	0.24	0.06	-0.18	-0.15	-0.14	-0.12	-0.13	-0.09
CRMS 0258	0.36	0.29	0.39	0.41	0.40	0.21	0.18	0.19	0.14	0.12	0.24	0.20
CRMS 0224	0.42	0.36	0.66	0.59	0.57	0.47	0.31	0.25	0.18	0.22	0.36	0.35
CRMS 0163	0.00	0.00	0.00	-0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00

Figure WQ TOTN 1 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.36	1.31	0.98	0.67	0.67	0.63	0.64	0.68	0.64	0.65	0.83	1.06
CRMS0276 - Just east of Wilkinson Canal	1.39	1.63	1.62	1.53	1.54	1.28	0.94	0.92	1.13	0.95	1.00	1.37
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.82	1.83	1.77	1.56	1.46	1.48	1.56	1.50	1.85	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.29	0.85	0.65	0.71	0.69	0.63	0.65	0.61	0.62	0.81	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.59	0.59	0.64	0.71	0.81	0.77	0.96	1.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.31	1.05	0.72	0.64	0.60	0.60	0.63	0.68	0.67	0.78	1.05
USGS 07380335 - Little Lake Near Cutoff	1.25	1.32	1.13	0.86	0.75	0.64	0.63	0.68	0.73	0.67	0.74	1.01
USGS073802516 Barataria Pass at Grand Isle	1.27	1.30	1.07	0.78	0.73	0.66	0.62	0.65	0.69	0.65	0.75	1.01
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.56	0.60	0.66	0.73	0.70	0.88	1.17
HWQ16 - Bayou Grand Liard	1.14	1.35	1.33	1.15	1.16	0.92	0.82	0.85	0.85	0.65	0.70	1.00
CRMS 3985	1.52	1.47	1.21	0.68	0.61	0.64	0.73	0.84	0.95	0.92	1.17	1.44
CRMS 0258	1.42	1.52	1.31	0.99	1.06	1.10	0.95	0.82	0.72	0.69	0.98	1.28
CRMS 0224	1.27	1.34	0.97	0.82	0.81	0.76	0.64	0.63	0.68	0.66	0.80	1.01
CRMS 0163	1.86	1.81	1.79	1.82	1.82	1.63	1.52	1.60	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.94	1.96	1.97	1.92	1.94	1.91	1.87	1.88	1.88	1.92

V3PR2 HYST - cy 0 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.01	0.01	0.01	0.00	0.03	0.07	0.05	0.05	0.06	0.09	0.02
CRMS0276 - Just east of Wilkinson Canal	1.14	1.41	1.23	1.36	1.31	1.13	0.75	0.80	1.11	0.90	0.97	1.28
Barataria Waterway at Lafitte (USACE82875)	1.99	1.95	1.90	1.91	1.83	1.59	1.46	1.47	1.55	1.49	1.88	1.92
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.01	0.01	0.01	0.01	0.04	0.06	0.07	0.10	0.10	0.16	0.07
USGS7380251 Barataria Bay North of Grand Isle	1.05	0.51	0.34	0.24	0.17	0.31	0.47	0.50	0.63	0.71	0.91	0.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.62	0.19	0.12	0.10	0.07	0.21	0.30	0.34	0.36	0.42	0.59	0.53
USGS 07380335 - Little Lake Near Cutoff	0.70	0.30	0.16	0.16	0.12	0.23	0.34	0.43	0.48	0.46	0.57	0.60
USGS073802516 Barataria Pass at Grand Isle	0.93	0.66	0.43	0.30	0.27	0.31	0.37	0.43	0.44	0.46	0.61	0.82
HWQ14 - Lake Washington	1.25	0.99	0.74	0.46	0.37	0.36	0.42	0.44	0.53	0.59	0.83	1.11
HWQ16 - Bayou Grand Liard	1.02	0.95	0.74	0.64	0.58	0.58	0.68	0.77	0.76	0.58	0.65	0.89
CRMS 3985	1.55	1.23	1.07	0.68	0.42	0.44	0.60	0.71	0.91	1.01	1.31	1.40
CRMS 0258	0.55	0.46	0.32	0.38	0.36	0.67	0.80	0.53	0.51	0.60	0.82	0.45
CRMS 0224	0.40	0.23	0.11	0.14	0.15	0.20	0.22	0.25	0.37	0.41	0.46	0.40
CRMS 0163	1.95	1.93	1.90	1.92	1.89	1.55	1.43	1.48	1.68	1.76	1.97	1.97
CRMS 0162	1.99	2.02	2.04	2.06	2.02	1.97	1.98	1.96	1.89	1.88	1.88	1.99

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.27	-1.30	-0.97	-0.66	-0.66	-0.60	-0.57	-0.63	-0.59	-0.58	-0.74	-1.03
CRMS0276 - Just east of Wilkinson Canal	-0.24	-0.22	-0.39	-0.17	-0.23	-0.16	-0.18	-0.12	-0.02	-0.04	-0.03	-0.09
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.08	0.08	0.06	0.03	0.00	-0.01	-0.01	-0.01	0.03	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.19	-1.28	-0.84	-0.64	-0.70	-0.65	-0.57	-0.58	-0.52	-0.52	-0.65	-0.86
USGS7380251 Barataria Bay North of Grand Isle	-0.38	-0.87	-0.77	-0.42	-0.43	-0.28	-0.18	-0.21	-0.18	-0.05	-0.05	-0.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.67	-1.12	-0.93	-0.63	-0.57	-0.40	-0.29	-0.29	-0.33	-0.25	-0.19	-0.52
USGS 07380335 - Little Lake Near Cutoff	-0.56	-1.03	-0.98	-0.70	-0.63	-0.41	-0.29	-0.25	-0.25	-0.21	-0.17	-0.41
USGS073802516 Barataria Pass at Grand Isle	-0.35	-0.64	-0.63	-0.48	-0.45	-0.35	-0.25	-0.22	-0.26	-0.19	-0.14	-0.19
HWQ14 - Lake Washington	-0.11	-0.34	-0.30	-0.17	-0.20	-0.21	-0.18	-0.22	-0.20	-0.11	-0.06	-0.05
HWQ16 - Bayou Grand Liard	-0.12	-0.40	-0.59	-0.51	-0.58	-0.34	-0.14	-0.08	-0.08	-0.07	-0.05	-0.11
CRMS 3985	0.03	-0.24	-0.14	0.00	-0.20	-0.19	-0.13	-0.13	-0.04	0.09	0.14	-0.04
CRMS 0258	-0.87	-1.06	-0.99	-0.62	-0.70	-0.43	-0.16	-0.29	-0.20	-0.09	-0.16	-0.84
CRMS 0224	-0.87	-1.11	-0.86	-0.67	-0.65	-0.55	-0.43	-0.38	-0.31	-0.26	-0.34	-0.61
CRMS 0163	0.09	0.11	0.10	0.10	0.07	-0.08	-0.09	-0.12	-0.13	-0.06	0.02	0.08
CRMS 0162	0.06	0.10	0.10	0.09	0.05	0.05	0.04	0.05	0.03	0.00	0.00	0.06

Figure WQ TOTN 2 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.22	0.87	0.62	0.63	0.56	0.60	0.65	0.63	0.67	0.91	1.08
CRMS0276 - Just east of Wilkinson Canal	1.25	1.54	1.37	1.23	1.16	1.07	0.75	0.73	0.96	0.99	1.13	1.37
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.58	1.57	1.49	1.29	1.30	1.42	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.10	0.74	0.57	0.59	0.56	0.58	0.63	0.63	0.64	0.85	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.41	1.19	0.73	0.65	0.62	0.70	0.75	0.87	0.86	1.03	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.27	1.05	0.68	0.61	0.57	0.59	0.58	0.68	0.70	0.86	1.11
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.05	0.74	0.63	0.57	0.58	0.57	0.68	0.69	0.83	1.07
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.71	0.62	0.57	0.57	0.55	0.66	0.68	0.83	1.07
HWQ14 - Lake Washington	1.39	1.36	1.14	0.70	0.62	0.57	0.64	0.64	0.76	0.77	0.94	1.22
HWQ16 - Bayou Grand Liard	1.06	1.26	1.13	0.92	0.84	0.74	0.61	0.64	0.70	0.68	0.81	1.03
CRMS 3985	1.58	1.51	1.38	0.86	0.78	0.73	0.93	0.98	1.04	1.04	1.22	1.49
CRMS 0258	1.15	1.24	0.87	0.79	0.89	0.71	0.65	0.66	0.65	0.68	1.09	1.21
CRMS 0224	1.18	1.16	0.82	0.65	0.61	0.56	0.54	0.56	0.65	0.66	0.85	1.01
CRMS 0163	1.86	1.84	1.80	1.66	1.59	1.56	1.41	1.46	1.73	1.82	1.94	1.90
CRMS 0162	1.93	1.92	1.93	1.87	1.82	1.83	1.91	1.82	1.66	1.92	1.88	1.94

V3PR2 HYST - cy 0 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	1.96	1.97	1.90	1.94	1.86	1.88	1.91	1.86	1.84	1.87	1.90
CRMS0276 - Just east of Wilkinson Canal	1.31	1.56	1.33	1.25	1.14	1.06	0.77	0.76	0.99	1.00	1.15	1.37
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.58	1.56	1.50	1.30	1.31	1.43	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.84	1.88	1.88	1.64	1.75	1.32	1.59	1.60	1.49	1.56	1.81	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.48	1.54	1.33	0.98	0.99	0.68	0.72	0.77	0.81	0.81	1.09	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.42	1.61	1.37	1.05	1.28	0.75	0.72	0.73	0.83	0.85	1.06	1.35
USGS 07380335 - Little Lake Near Cutoff	1.33	1.54	1.29	1.02	1.13	0.72	0.66	0.65	0.77	0.77	0.98	1.25
USGS073802516 Barataria Pass at Grand Isle	1.33	1.44	1.14	0.88	0.80	0.66	0.61	0.60	0.71	0.72	0.91	1.17
HWQ14 - Lake Washington	1.38	1.41	1.12	0.78	0.69	0.60	0.62	0.65	0.72	0.72	0.91	1.20
HWQ16 - Bayou Grand Liard	1.11	1.34	1.15	0.98	0.88	0.78	0.64	0.66	0.73	0.69	0.83	1.07
CRMS 3985	1.53	1.47	1.18	0.80	0.74	0.66	0.74	0.80	0.87	0.84	1.06	1.38
CRMS 0258	1.47	1.51	1.15	0.92	1.11	0.78	0.74	0.78	0.72	0.75	1.23	1.36
CRMS 0224	1.47	1.52	1.18	0.96	0.98	0.72	0.71	0.73	0.78	0.82	1.16	1.30
CRMS 0163	1.86	1.83	1.80	1.66	1.58	1.57	1.42	1.46	1.73	1.83	1.94	1.90
CRMS 0162	1.93	1.92	1.93	1.87	1.81	1.84	1.91	1.81	1.65	1.92	1.88	1.94

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.64	0.74	1.10	1.28	1.32	1.30	1.28	1.26	1.23	1.17	0.97	0.82
CRMS0276 - Just east of Wilkinson Canal	0.06	0.02	-0.04	0.02	-0.02	-0.01	0.02	0.02	0.03	0.01	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.65	0.78	1.14	1.07	1.15	0.76	1.01	0.97	0.86	0.92	0.95	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.14	0.14	0.25	0.34	0.06	0.02	0.02	-0.07	-0.05	0.06	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.34	0.33	0.37	0.67	0.19	0.13	0.15	0.15	0.15	0.20	0.24
USGS 07380335 - Little Lake Near Cutoff	0.11	0.29	0.24	0.29	0.50	0.14	0.08	0.08	0.09	0.07	0.15	0.18
USGS073802516 Barataria Pass at Grand Isle	0.06	0.18	0.09	0.17	0.18	0.09	0.04	0.05	0.04	0.04	0.08	0.10
HWQ14 - Lake Washington	-0.02	0.06	-0.02	0.08	0.07	0.03	-0.02	0.00	-0.04	-0.05	-0.03	-0.03
HWQ16 - Bayou Grand Liard	0.05	0.07	0.02	0.06	0.05	0.04	0.03	0.03	0.03	0.02	0.02	0.04
CRMS 3985	-0.05	-0.04	-0.19	-0.06	-0.04	-0.06	-0.19	-0.17	-0.16	-0.20	-0.16	-0.11
CRMS 0258	0.33	0.27	0.28	0.13	0.21	0.07	0.09	0.11	0.08	0.08	0.14	0.15
CRMS 0224	0.29	0.37	0.37	0.30	0.37	0.16	0.16	0.17	0.12	0.16	0.30	0.29
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00

Figure WQ TOTN 3 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.37	1.34	1.02	0.67	0.67	0.63	0.66	0.72	0.65	0.68	0.89	1.06
CRMS0276 - Just east of Wilkinson Canal	1.37	1.67	1.59	1.47	1.38	1.38	1.04	1.07	1.33	1.15	1.07	1.21
Barataria Waterway at Lafitte (USACE82875)	1.88	1.85	1.88	1.79	1.67	1.65	1.56	1.55	1.59	1.56	1.84	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.29	1.34	0.89	0.64	0.70	0.66	0.62	0.66	0.67	0.67	0.90	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.60	0.61	0.72	0.69	0.78	0.75	0.97	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.33	1.05	0.70	0.62	0.59	0.62	0.63	0.70	0.70	0.84	1.06
USGS 07380335 - Little Lake Near Cutoff	1.24	1.36	1.13	0.82	0.69	0.63	0.64	0.73	0.78	0.74	0.82	0.99
USGS073802516 Barataria Pass at Grand Isle	1.27	1.33	1.06	0.75	0.67	0.63	0.63	0.69	0.71	0.70	0.80	1.00
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.57	0.67	0.60	0.72	0.70	0.89	1.18
HWQ16 - Bayou Grand Liard	1.15	1.40	1.29	1.09	1.00	0.97	0.92	1.03	0.96	0.80	0.74	0.92
CRMS 3985	1.51	1.45	1.19	0.69	0.62	0.68	0.96	0.86	0.91	0.86	1.15	1.45
CRMS 0258	1.38	1.55	1.37	0.97	1.05	1.10	1.10	1.16	0.99	0.83	1.18	1.29
CRMS 0224	1.25	1.38	0.99	0.78	0.75	0.73	0.65	0.65	0.73	0.74	0.92	1.03
CRMS 0163	1.83	1.80	1.86	1.80	1.73	1.65	1.55	1.63	1.83	1.85	1.95	1.90
CRMS 0162	1.91	1.92	1.96	1.95	1.94	1.90	1.93	1.93	1.93	1.94	1.88	1.95

V3PR2 HYST - cy 0 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	1.99	1.99	1.99	1.99	1.93	1.87	1.89	1.98	1.94
CRMS0276 - Just east of Wilkinson Canal	1.51	1.69	1.58	1.46	1.33	1.31	1.14	1.16	1.34	1.16	1.11	1.22
Barataria Waterway at Lafitte (USACE82875)	1.88	1.85	1.88	1.77	1.66	1.65	1.54	1.53	1.59	1.55	1.83	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.91	1.95	1.93	1.96	1.97	1.96	1.71	1.47	1.59	1.95	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.63	1.64	1.47	1.35	1.11	1.07	1.04	0.87	0.90	1.19	1.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.67	1.74	1.77	1.67	1.59	1.59	1.57	1.32	0.97	0.97	1.17	1.40
USGS 07380335 - Little Lake Near Cutoff	1.59	1.70	1.72	1.56	1.45	1.44	1.40	1.23	0.97	0.90	1.07	1.26
USGS073802516 Barataria Pass at Grand Isle	1.50	1.56	1.46	1.19	1.03	0.93	0.94	0.96	0.86	0.84	0.99	1.20
HWQ14 - Lake Washington	1.42	1.45	1.29	1.00	0.84	0.74	0.73	0.75	0.74	0.78	0.98	1.24
HWQ16 - Bayou Grand Liard	1.30	1.52	1.44	1.24	1.13	1.12	1.04	1.07	1.02	0.83	0.80	0.99
CRMS 3985	1.46	1.43	1.30	1.00	0.86	0.79	0.82	0.87	0.80	0.82	1.05	1.39
CRMS 0258	1.70	1.71	1.74	1.46	1.36	1.37	1.44	1.46	1.30	1.04	1.52	1.51
CRMS 0224	1.68	1.70	1.70	1.45	1.28	1.33	1.39	1.28	1.07	1.02	1.37	1.42
CRMS 0163	1.83	1.80	1.86	1.79	1.72	1.65	1.55	1.63	1.84	1.85	1.94	1.90
CRMS 0162	1.91	1.92	1.96	1.95	1.93	1.90	1.93	1.93	1.93	1.94	1.88	1.95

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.64	0.97	1.32	1.32	1.37	1.33	1.21	1.21	1.21	1.09	0.88
CRMS0276 - Just east of Wilkinson Canal	0.15	0.02	-0.01	-0.01	-0.05	-0.07	0.11	0.08	0.01	0.01	0.04	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.60	0.56	1.06	1.29	1.26	1.31	1.34	1.05	0.80	0.92	1.05	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.25	0.53	0.81	0.76	0.50	0.35	0.36	0.09	0.15	0.22	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.38	0.41	0.72	0.97	0.97	1.00	0.95	0.69	0.27	0.27	0.33	0.35
USGS 07380335 - Little Lake Near Cutoff	0.36	0.34	0.60	0.73	0.75	0.81	0.77	0.51	0.19	0.16	0.24	0.28
USGS073802516 Barataria Pass at Grand Isle	0.23	0.24	0.40	0.43	0.36	0.30	0.31	0.28	0.15	0.14	0.19	0.20
HWQ14 - Lake Washington	0.06	0.12	0.25	0.37	0.27	0.18	0.06	0.15	0.03	0.08	0.09	0.06
HWQ16 - Bayou Grand Liard	0.15	0.12	0.15	0.15	0.13	0.15	0.12	0.04	0.06	0.03	0.06	0.07
CRMS 3985	-0.05	-0.02	0.11	0.31	0.24	0.11	-0.14	0.01	-0.11	-0.04	-0.09	-0.06
CRMS 0258	0.32	0.16	0.36	0.49	0.30	0.27	0.34	0.30	0.30	0.21	0.34	0.22
CRMS 0224	0.44	0.31	0.71	0.67	0.53	0.60	0.74	0.63	0.34	0.28	0.46	0.38
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTN 4 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.30	1.03	0.67	0.66	0.62	0.66	0.72	0.65	0.67	0.86	1.09
CRMS0276 - Just east of Wilkinson Canal	1.42	1.52	1.48	1.49	1.55	1.51	1.10	1.05	1.28	1.06	1.01	1.46
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.82	1.79	1.77	1.74	1.56	1.50	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.33	0.91	0.65	0.70	0.68	0.64	0.66	0.65	0.65	0.86	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.41	1.41	1.21	0.68	0.59	0.59	0.64	0.68	0.79	0.76	0.94	1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.30	1.09	0.72	0.63	0.61	0.61	0.63	0.69	0.69	0.79	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.28	1.11	0.85	0.74	0.68	0.67	0.73	0.76	0.71	0.76	1.04
USGS073802516 Barataria Pass at Grand Isle	1.28	1.27	1.08	0.77	0.71	0.69	0.66	0.70	0.71	0.68	0.75	1.03
HWQ14 - Lake Washington	1.34	1.35	1.15	0.65	0.56	0.56	0.60	0.62	0.72	0.70	0.86	1.16
HWQ16 - Bayou Grand Liard	1.17	1.22	1.21	1.12	1.15	1.13	1.01	1.01	0.93	0.72	0.70	1.09
CRMS 3985	1.52	1.53	1.36	0.72	0.61	0.63	0.72	0.78	0.92	0.89	1.12	1.40
CRMS 0258	1.45	1.49	1.32	0.98	1.03	1.10	1.12	1.15	0.92	0.79	1.12	1.40
CRMS 0224	1.31	1.33	0.98	0.80	0.78	0.77	0.67	0.66	0.72	0.71	0.86	1.08
CRMS 0163	1.93	1.93	1.76	1.78	1.80	1.79	1.51	1.60	1.83	1.83	1.96	1.84
CRMS 0162	1.96	1.95	1.91	1.94	1.97	1.95	1.95	1.94	1.93	1.94	1.89	1.91

V3PR2 HYST - cy 0 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.02	1.98	1.97	1.98	2.04	2.01	1.99	1.91	1.88	1.91	1.96	1.97
CRMS0276 - Just east of Wilkinson Canal	1.55	1.55	1.48	1.45	1.45	1.42	1.18	1.12	1.30	1.07	1.05	1.46
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.82	1.77	1.76	1.73	1.53	1.49	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	2.14	1.99	1.89	1.93	1.98	1.99	1.98	1.62	1.52	1.63	1.95	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.53	1.51	1.55	1.45	1.44	1.24	1.09	0.92	0.86	0.90	1.18	1.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.58	1.53	1.66	1.65	1.70	1.69	1.59	1.00	0.95	0.96	1.14	1.72
USGS 07380335 - Little Lake Near Cutoff	1.52	1.48	1.61	1.55	1.57	1.55	1.43	0.99	0.93	0.87	1.02	1.65
USGS073802516 Barataria Pass at Grand Isle	1.46	1.41	1.37	1.17	1.11	0.99	0.96	0.88	0.84	0.82	0.96	1.43
HWQ14 - Lake Washington	1.40	1.40	1.28	0.97	0.88	0.78	0.76	0.73	0.74	0.79	0.98	1.31
HWQ16 - Bayou Grand Liard	1.28	1.28	1.34	1.24	1.26	1.24	1.08	1.04	1.00	0.77	0.75	1.26
CRMS 3985	1.47	1.51	1.37	0.99	0.93	0.86	0.85	0.85	0.80	0.86	1.07	1.39
CRMS 0258	1.87	1.75	1.60	1.45	1.42	1.45	1.45	1.41	1.19	0.96	1.45	1.70
CRMS 0224	1.76	1.62	1.56	1.44	1.38	1.43	1.41	1.11	1.00	0.97	1.32	1.67
CRMS 0163	1.93	1.93	1.76	1.77	1.79	1.77	1.50	1.60	1.83	1.83	1.95	1.84
CRMS 0162	1.95	1.95	1.90	1.93	1.97	1.94	1.95	1.93	1.93	1.93	1.89	1.91

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.68	0.94	1.32	1.38	1.39	1.33	1.19	1.22	1.24	1.10	0.88
CRMS0276 - Just east of Wilkinson Canal	0.13	0.03	0.00	-0.04	-0.09	-0.09	0.08	0.07	0.02	0.02	0.04	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.02	-0.01	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.82	0.66	0.98	1.28	1.28	1.31	1.34	0.96	0.88	0.98	1.08	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.10	0.34	0.78	0.86	0.66	0.45	0.23	0.07	0.14	0.25	0.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.28	0.24	0.57	0.93	1.06	1.08	0.98	0.37	0.25	0.27	0.35	0.65
USGS 07380335 - Little Lake Near Cutoff	0.25	0.19	0.50	0.70	0.83	0.88	0.76	0.26	0.18	0.16	0.26	0.60
USGS073802516 Barataria Pass at Grand Isle	0.18	0.14	0.29	0.39	0.40	0.30	0.30	0.18	0.13	0.14	0.20	0.40
HWQ14 - Lake Washington	0.05	0.05	0.13	0.32	0.32	0.23	0.16	0.11	0.02	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.06	0.14	0.12	0.11	0.10	0.08	0.03	0.06	0.05	0.05	0.18
CRMS 3985	-0.05	-0.02	0.02	0.27	0.32	0.23	0.12	0.07	-0.11	-0.03	-0.06	-0.01
CRMS 0258	0.43	0.25	0.28	0.46	0.38	0.35	0.33	0.26	0.28	0.18	0.33	0.30
CRMS 0224	0.45	0.29	0.59	0.64	0.60	0.66	0.74	0.45	0.28	0.26	0.46	0.60
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.02	-0.01	0.00	0.00	0.00	-0.01	0.00
CRMS 0162	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	-0.01	0.00

Figure WQ TOTN 5 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.23	0.99	0.66	0.63	0.60	0.61	0.66	0.64	0.67	0.88	0.98
CRMS0276 - Just east of Wilkinson Canal	1.28	1.51	1.45	1.33	1.40	1.29	0.91	0.84	1.06	1.07	1.15	1.29
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.82	1.69	1.68	1.58	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.13	0.79	0.59	0.63	0.61	0.60	0.63	0.63	0.65	0.87	0.90
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.40	1.19	0.72	0.60	0.61	0.71	0.74	0.82	0.82	1.00	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.28	1.05	0.68	0.61	0.58	0.61	0.60	0.70	0.70	0.87	1.08
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.07	0.76	0.69	0.61	0.62	0.61	0.73	0.71	0.85	1.03
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.72	0.66	0.62	0.61	0.59	0.69	0.69	0.83	1.04
HWQ14 - Lake Washington	1.38	1.35	1.12	0.68	0.57	0.57	0.65	0.63	0.74	0.75	0.92	1.20
HWQ16 - Bayou Grand Liard	1.09	1.23	1.18	0.99	1.03	0.91	0.78	0.72	0.80	0.74	0.81	0.95
CRMS 3985	1.54	1.52	1.33	0.81	0.63	0.70	0.95	0.96	0.98	0.98	1.19	1.49
CRMS 0258	1.24	1.26	1.18	0.89	0.95	1.05	0.91	0.79	0.73	0.77	1.08	1.07
CRMS 0224	1.18	1.18	0.87	0.68	0.69	0.67	0.60	0.58	0.69	0.69	0.89	0.99
CRMS 0163	1.84	1.89	1.78	1.72	1.73	1.57	1.40	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.91	1.90	1.90	1.88	1.93	1.90	1.79	1.92	1.88	1.97

V3PR3 HYST - cy 0 - 1970 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.97	1.97	1.98	1.98	1.99	1.92	1.91	1.87	1.83	1.90	1.95
CRMS0276 - Just east of Wilkinson Canal	1.41	1.51	1.40	1.30	1.34	1.23	0.96	0.88	1.07	1.08	1.19	1.32
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.81	1.67	1.67	1.57	1.35	1.36	1.49	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.91	1.89	1.89	1.88	1.91	1.94	1.59	1.58	1.44	1.50	1.85	1.88
USGS7380251 Barataria Bay North of Grand Isle	1.54	1.52	1.56	1.36	1.38	1.02	0.81	0.83	0.84	0.85	1.12	1.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.58	1.59	1.66	1.55	1.63	1.46	0.96	0.81	0.89	0.91	1.12	1.37
USGS 07380335 - Little Lake Near Cutoff	1.48	1.52	1.60	1.42	1.50	1.30	0.91	0.74	0.84	0.84	1.04	1.25
USGS073802516 Barataria Pass at Grand Isle	1.42	1.42	1.36	1.07	1.04	0.88	0.77	0.68	0.76	0.78	0.96	1.18
HWQ14 - Lake Washington	1.41	1.40	1.25	0.89	0.84	0.72	0.67	0.67	0.74	0.76	0.95	1.21
HWQ16 - Bayou Grand Liard	1.19	1.30	1.30	1.10	1.16	1.02	0.85	0.75	0.82	0.77	0.86	1.01
CRMS 3985	1.49	1.49	1.28	0.91	0.88	0.76	0.76	0.81	0.85	0.85	1.06	1.40
CRMS 0258	1.60	1.55	1.56	1.28	1.34	1.24	1.07	0.98	0.87	0.88	1.32	1.26
CRMS 0224	1.60	1.54	1.52	1.27	1.25	1.13	0.91	0.83	0.88	0.92	1.26	1.33
CRMS 0163	1.84	1.88	1.78	1.71	1.72	1.57	1.40	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.90	1.89	1.90	1.88	1.92	1.90	1.78	1.92	1.89	1.97

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.75	0.99	1.32	1.35	1.39	1.30	1.25	1.23	1.16	1.02	0.96
CRMS0276 - Just east of Wilkinson Canal	0.13	0.01	-0.05	-0.03	-0.06	-0.06	0.05	0.04	0.01	0.01	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.02	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.70	0.76	1.11	1.29	1.28	1.32	0.99	0.95	0.81	0.85	0.98	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.36	0.64	0.79	0.41	0.10	0.08	0.02	0.03	0.12	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.32	0.61	0.87	1.02	0.88	0.35	0.22	0.19	0.21	0.25	0.28
USGS 07380335 - Little Lake Near Cutoff	0.26	0.26	0.53	0.66	0.81	0.69	0.29	0.13	0.11	0.12	0.19	0.22
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.31	0.35	0.38	0.26	0.15	0.10	0.07	0.09	0.13	0.14
HWQ14 - Lake Washington	0.03	0.05	0.13	0.21	0.27	0.15	0.02	0.05	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.09	0.07	0.12	0.11	0.12	0.10	0.07	0.04	0.02	0.03	0.05	0.06
CRMS 3985	-0.05	-0.04	-0.05	0.09	0.25	0.07	-0.18	-0.15	-0.13	-0.12	-0.13	-0.09
CRMS 0258	0.36	0.29	0.38	0.39	0.39	0.19	0.16	0.18	0.14	0.11	0.24	0.20
CRMS 0224	0.41	0.37	0.66	0.59	0.56	0.46	0.31	0.25	0.19	0.22	0.37	0.34
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00

Figure WQ TOTN 6 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.36	1.31	0.98	0.67	0.67	0.63	0.64	0.68	0.64	0.65	0.83	1.06
CRMS0276 - Just east of Wilkinson Canal	1.39	1.63	1.62	1.53	1.54	1.28	0.94	0.92	1.13	0.95	1.00	1.37
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.82	1.83	1.77	1.56	1.46	1.48	1.56	1.50	1.85	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.29	0.85	0.65	0.71	0.69	0.63	0.65	0.61	0.62	0.81	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.59	0.59	0.64	0.71	0.81	0.77	0.96	1.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.31	1.05	0.72	0.64	0.60	0.60	0.63	0.68	0.67	0.78	1.05
USGS 07380335 - Little Lake Near Cutoff	1.25	1.32	1.13	0.86	0.75	0.64	0.63	0.68	0.73	0.67	0.74	1.01
USGS073802516 Barataria Pass at Grand Isle	1.27	1.30	1.07	0.78	0.73	0.66	0.62	0.65	0.69	0.65	0.75	1.01
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.56	0.60	0.66	0.73	0.70	0.88	1.17
HWQ16 - Bayou Grand Liard	1.14	1.35	1.33	1.15	1.16	0.92	0.82	0.85	0.85	0.65	0.70	1.00
CRMS 3985	1.52	1.47	1.21	0.68	0.61	0.64	0.73	0.84	0.95	0.92	1.17	1.44
CRMS 0258	1.42	1.52	1.31	0.99	1.06	1.10	0.95	0.82	0.72	0.69	0.98	1.28
CRMS 0224	1.27	1.34	0.97	0.82	0.81	0.76	0.64	0.63	0.68	0.66	0.80	1.01
CRMS 0163	1.86	1.81	1.79	1.82	1.82	1.63	1.52	1.60	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.94	1.96	1.97	1.92	1.94	1.91	1.87	1.88	1.88	1.92

V3PR3 HYST - cy 0 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.97	1.99	1.99	2.00	1.99	1.89	1.92	1.88	1.91	1.93	1.94
CRMS0276 - Just east of Wilkinson Canal	1.49	1.64	1.58	1.50	1.46	1.25	0.95	0.95	1.13	0.98	1.04	1.38
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.82	1.82	1.76	1.56	1.45	1.48	1.55	1.50	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.91	1.88	1.92	1.94	1.95	1.70	1.69	1.66	1.50	1.60	1.93	1.87
USGS7380251 Barataria Bay North of Grand Isle	1.54	1.61	1.63	1.50	1.45	0.84	0.77	0.81	0.82	0.85	1.11	1.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.61	1.73	1.75	1.70	1.72	1.06	0.82	0.82	0.90	0.92	1.08	1.51
USGS 07380335 - Little Lake Near Cutoff	1.55	1.68	1.71	1.60	1.60	1.02	0.76	0.77	0.86	0.81	0.97	1.39
USGS073802516 Barataria Pass at Grand Isle	1.47	1.54	1.45	1.21	1.13	0.86	0.70	0.71	0.77	0.76	0.92	1.25
HWQ14 - Lake Washington	1.40	1.44	1.30	1.00	0.90	0.72	0.65	0.68	0.73	0.76	0.94	1.23
HWQ16 - Bayou Grand Liard	1.24	1.47	1.48	1.30	1.29	1.00	0.83	0.87	0.87	0.69	0.75	1.09
CRMS 3985	1.49	1.47	1.33	1.02	0.94	0.74	0.76	0.81	0.82	0.85	1.06	1.38
CRMS 0258	1.71	1.67	1.65	1.46	1.42	1.20	1.05	0.99	0.87	0.84	1.27	1.52
CRMS 0224	1.67	1.66	1.65	1.48	1.39	1.03	0.87	0.85	0.87	0.90	1.23	1.46
CRMS 0163	1.86	1.81	1.79	1.81	1.82	1.62	1.51	1.60	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.93	1.96	1.97	1.92	1.94	1.91	1.87	1.89	1.88	1.92

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.66	1.01	1.33	1.34	1.36	1.25	1.24	1.24	1.26	1.10	0.88
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	-0.04	-0.03	-0.08	-0.03	0.01	0.03	0.00	0.03	0.04	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.59	1.06	1.28	1.24	1.02	1.05	1.01	0.89	0.98	1.11	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.23	0.51	0.84	0.86	0.25	0.13	0.10	0.01	0.09	0.16	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.42	0.70	0.98	1.07	0.46	0.22	0.19	0.22	0.25	0.30	0.46
USGS 07380335 - Little Lake Near Cutoff	0.30	0.36	0.57	0.74	0.85	0.37	0.14	0.09	0.13	0.14	0.23	0.38
USGS073802516 Barataria Pass at Grand Isle	0.19	0.24	0.39	0.43	0.41	0.20	0.08	0.07	0.08	0.11	0.16	0.23
HWQ14 - Lake Washington	0.04	0.11	0.25	0.37	0.33	0.15	0.06	0.02	0.00	0.06	0.06	0.07
HWQ16 - Bayou Grand Liard	0.11	0.12	0.15	0.15	0.13	0.08	0.01	0.03	0.03	0.04	0.05	0.09
CRMS 3985	-0.03	0.00	0.12	0.34	0.33	0.11	0.02	-0.03	-0.13	-0.06	-0.11	-0.05
CRMS 0258	0.29	0.15	0.34	0.47	0.36	0.09	0.09	0.17	0.15	0.14	0.29	0.24
CRMS 0224	0.41	0.33	0.68	0.66	0.59	0.28	0.23	0.22	0.19	0.24	0.43	0.45
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTN 7 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.22	0.87	0.62	0.63	0.56	0.60	0.65	0.63	0.67	0.91	1.08
CRMS0276 - Just east of Wilkinson Canal	1.25	1.54	1.37	1.23	1.16	1.07	0.75	0.73	0.96	0.99	1.13	1.37
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.58	1.57	1.49	1.29	1.30	1.42	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.10	0.74	0.57	0.59	0.56	0.58	0.63	0.63	0.64	0.85	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.41	1.19	0.73	0.65	0.62	0.70	0.75	0.87	0.86	1.03	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.27	1.05	0.68	0.61	0.57	0.59	0.58	0.68	0.70	0.86	1.11
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.05	0.74	0.63	0.57	0.58	0.57	0.68	0.69	0.83	1.07
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.71	0.62	0.57	0.57	0.55	0.66	0.68	0.83	1.07
HWQ14 - Lake Washington	1.39	1.36	1.14	0.70	0.62	0.57	0.64	0.64	0.76	0.77	0.94	1.22
HWQ16 - Bayou Grand Liard	1.06	1.26	1.13	0.92	0.84	0.74	0.61	0.64	0.70	0.68	0.81	1.03
CRMS 3985	1.58	1.51	1.38	0.86	0.78	0.73	0.93	0.98	1.04	1.04	1.22	1.49
CRMS 0258	1.15	1.24	0.87	0.79	0.89	0.71	0.65	0.66	0.65	0.68	1.09	1.21
CRMS 0224	1.18	1.16	0.82	0.65	0.61	0.56	0.54	0.56	0.65	0.66	0.85	1.01
CRMS 0163	1.86	1.84	1.80	1.66	1.59	1.56	1.41	1.46	1.73	1.82	1.94	1.90
CRMS 0162	1.93	1.92	1.93	1.87	1.82	1.83	1.91	1.82	1.66	1.92	1.88	1.94

V3PR3 HYST - cy 0 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.96	1.97	1.91	1.94	1.86	1.88	1.91	1.86	1.83	1.88	1.90
CRMS0276 - Just east of Wilkinson Canal	1.31	1.56	1.33	1.25	1.15	1.07	0.78	0.75	0.97	0.99	1.14	1.37
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.58	1.56	1.49	1.30	1.31	1.42	1.52	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.82	1.86	1.85	1.59	1.71	1.24	1.53	1.55	1.41	1.48	1.79	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.48	1.54	1.34	0.98	0.99	0.68	0.72	0.77	0.81	0.81	1.09	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.43	1.61	1.37	1.06	1.28	0.75	0.72	0.73	0.83	0.85	1.06	1.36
USGS 07380335 - Little Lake Near Cutoff	1.33	1.54	1.29	1.03	1.13	0.71	0.66	0.65	0.77	0.76	0.98	1.25
USGS073802516 Barataria Pass at Grand Isle	1.33	1.44	1.14	0.88	0.79	0.66	0.61	0.60	0.71	0.71	0.91	1.18
HWQ14 - Lake Washington	1.38	1.42	1.12	0.78	0.69	0.60	0.62	0.65	0.72	0.72	0.91	1.20
HWQ16 - Bayou Grand Liard	1.09	1.33	1.15	0.98	0.88	0.79	0.64	0.66	0.72	0.68	0.82	1.06
CRMS 3985	1.53	1.47	1.18	0.79	0.74	0.67	0.74	0.80	0.88	0.84	1.06	1.38
CRMS 0258	1.47	1.51	1.14	0.92	1.09	0.78	0.73	0.77	0.72	0.75	1.23	1.36
CRMS 0224	1.47	1.52	1.18	0.96	0.98	0.72	0.71	0.73	0.77	0.82	1.15	1.30
CRMS 0163	1.86	1.83	1.80	1.65	1.58	1.56	1.41	1.46	1.74	1.83	1.94	1.90
CRMS 0162	1.93	1.92	1.93	1.87	1.81	1.83	1.91	1.81	1.66	1.92	1.88	1.94

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.64	0.74	1.10	1.28	1.32	1.30	1.28	1.26	1.23	1.16	0.97	0.82
CRMS0276 - Just east of Wilkinson Canal	0.05	0.01	-0.03	0.01	-0.01	0.00	0.03	0.02	0.01	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.01	0.00	0.01	0.01	0.00	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.76	1.12	1.02	1.12	0.69	0.95	0.92	0.78	0.84	0.94	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.14	0.15	0.26	0.35	0.07	0.02	0.03	-0.06	-0.05	0.06	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.35	0.33	0.38	0.67	0.18	0.13	0.15	0.15	0.14	0.20	0.25
USGS 07380335 - Little Lake Near Cutoff	0.11	0.28	0.24	0.29	0.50	0.14	0.08	0.08	0.09	0.07	0.14	0.18
USGS073802516 Barataria Pass at Grand Isle	0.06	0.18	0.10	0.17	0.17	0.09	0.04	0.05	0.04	0.04	0.08	0.11
HWQ14 - Lake Washington	-0.01	0.06	-0.02	0.08	0.07	0.03	-0.02	0.00	-0.04	-0.05	-0.03	-0.02
HWQ16 - Bayou Grand Liard	0.03	0.07	0.02	0.06	0.05	0.05	0.03	0.02	0.02	0.01	0.02	0.04
CRMS 3985	-0.05	-0.04	-0.19	-0.07	-0.04	-0.06	-0.19	-0.17	-0.16	-0.19	-0.16	-0.11
CRMS 0258	0.33	0.27	0.27	0.13	0.19	0.07	0.08	0.11	0.07	0.07	0.14	0.15
CRMS 0224	0.29	0.36	0.36	0.30	0.36	0.16	0.16	0.17	0.12	0.16	0.30	0.29
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00

Figure WQ TOTN 8 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.37	1.34	1.02	0.67	0.67	0.63	0.66	0.72	0.65	0.68	0.89	1.06
CRMS0276 - Just east of Wilkinson Canal	1.37	1.67	1.59	1.47	1.38	1.38	1.04	1.07	1.33	1.15	1.07	1.21
Barataria Waterway at Lafitte (USACE82875)	1.88	1.85	1.88	1.79	1.67	1.65	1.56	1.55	1.59	1.56	1.84	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.29	1.34	0.89	0.64	0.70	0.66	0.62	0.66	0.67	0.67	0.90	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.60	0.61	0.72	0.69	0.78	0.75	0.97	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.33	1.05	0.70	0.62	0.59	0.62	0.63	0.70	0.70	0.84	1.06
USGS 07380335 - Little Lake Near Cutoff	1.24	1.36	1.13	0.82	0.69	0.63	0.64	0.73	0.78	0.74	0.82	0.99
USGS073802516 Barataria Pass at Grand Isle	1.27	1.33	1.06	0.75	0.67	0.63	0.63	0.69	0.71	0.70	0.80	1.00
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.57	0.67	0.60	0.72	0.70	0.89	1.18
HWQ16 - Bayou Grand Liard	1.15	1.40	1.29	1.09	1.00	0.97	0.92	1.03	0.96	0.80	0.74	0.92
CRMS 3985	1.51	1.45	1.19	0.69	0.62	0.68	0.96	0.86	0.91	0.86	1.15	1.45
CRMS 0258	1.38	1.55	1.37	0.97	1.05	1.10	1.10	1.16	0.99	0.83	1.18	1.29
CRMS 0224	1.25	1.38	0.99	0.78	0.75	0.73	0.65	0.65	0.73	0.74	0.92	1.03
CRMS 0163	1.83	1.80	1.86	1.80	1.73	1.65	1.55	1.63	1.83	1.85	1.95	1.90
CRMS 0162	1.91	1.92	1.96	1.95	1.94	1.90	1.93	1.93	1.93	1.94	1.88	1.95

V3PR3 HYST - cy 0 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	1.99	1.99	1.99	1.99	1.93	1.87	1.89	1.97	1.94
CRMS0276 - Just east of Wilkinson Canal	1.49	1.68	1.58	1.46	1.33	1.31	1.14	1.15	1.34	1.17	1.12	1.22
Barataria Waterway at Lafitte (USACE82875)	1.88	1.84	1.88	1.77	1.66	1.65	1.55	1.53	1.59	1.55	1.83	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.87	1.89	1.94	1.92	1.93	1.96	1.95	1.68	1.39	1.52	1.93	1.88
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.63	1.65	1.47	1.37	1.13	1.09	1.05	0.87	0.90	1.18	1.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.67	1.74	1.77	1.68	1.59	1.60	1.57	1.33	0.98	0.97	1.16	1.40
USGS 07380335 - Little Lake Near Cutoff	1.59	1.70	1.72	1.56	1.44	1.44	1.41	1.23	0.97	0.91	1.06	1.26
USGS073802516 Barataria Pass at Grand Isle	1.50	1.56	1.46	1.19	1.02	0.93	0.94	0.96	0.86	0.84	0.99	1.20
HWQ14 - Lake Washington	1.42	1.45	1.29	1.00	0.84	0.75	0.74	0.76	0.75	0.78	0.98	1.24
HWQ16 - Bayou Grand Liard	1.27	1.51	1.44	1.24	1.12	1.11	1.04	1.06	1.02	0.83	0.79	0.99
CRMS 3985	1.47	1.44	1.30	1.00	0.87	0.80	0.83	0.88	0.80	0.82	1.05	1.39
CRMS 0258	1.70	1.71	1.72	1.44	1.35	1.35	1.41	1.45	1.29	1.04	1.52	1.50
CRMS 0224	1.68	1.69	1.70	1.44	1.27	1.32	1.38	1.27	1.07	1.02	1.37	1.42
CRMS 0163	1.83	1.80	1.86	1.79	1.73	1.64	1.54	1.62	1.83	1.84	1.94	1.90
CRMS 0162	1.91	1.92	1.96	1.95	1.94	1.90	1.93	1.93	1.92	1.94	1.88	1.95

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.64	0.97	1.32	1.32	1.37	1.33	1.21	1.21	1.21	1.09	0.88
CRMS0276 - Just east of Wilkinson Canal	0.13	0.01	-0.01	-0.01	-0.05	-0.07	0.11	0.08	0.01	0.01	0.05	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.54	1.04	1.27	1.23	1.30	1.33	1.02	0.73	0.85	1.03	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.25	0.54	0.81	0.77	0.52	0.37	0.37	0.09	0.15	0.22	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.42	0.72	0.97	0.97	1.01	0.95	0.70	0.28	0.27	0.32	0.34
USGS 07380335 - Little Lake Near Cutoff	0.36	0.34	0.59	0.74	0.75	0.81	0.77	0.51	0.19	0.17	0.24	0.28
USGS073802516 Barataria Pass at Grand Isle	0.23	0.24	0.40	0.43	0.36	0.30	0.30	0.28	0.15	0.15	0.19	0.19
HWQ14 - Lake Washington	0.06	0.12	0.26	0.37	0.28	0.18	0.07	0.15	0.03	0.08	0.09	0.06
HWQ16 - Bayou Grand Liard	0.11	0.11	0.15	0.15	0.12	0.14	0.12	0.03	0.06	0.03	0.05	0.07
CRMS 3985	-0.05	-0.02	0.12	0.31	0.25	0.12	-0.13	0.02	-0.11	-0.05	-0.09	-0.07
CRMS 0258	0.32	0.16	0.35	0.46	0.29	0.25	0.31	0.29	0.30	0.21	0.33	0.22
CRMS 0224	0.43	0.31	0.70	0.66	0.52	0.59	0.73	0.63	0.35	0.28	0.45	0.38
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01	-0.01	0.00	0.00	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTN 9 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.30	1.03	0.67	0.66	0.62	0.66	0.72	0.65	0.67	0.86	1.09
CRMS0276 - Just east of Wilkinson Canal	1.42	1.52	1.48	1.49	1.55	1.51	1.10	1.05	1.28	1.06	1.01	1.46
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.82	1.79	1.77	1.74	1.56	1.50	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.33	0.91	0.65	0.70	0.68	0.64	0.66	0.65	0.65	0.86	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.41	1.41	1.21	0.68	0.59	0.59	0.64	0.68	0.79	0.76	0.94	1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.30	1.09	0.72	0.63	0.61	0.61	0.63	0.69	0.69	0.79	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.28	1.11	0.85	0.74	0.68	0.67	0.73	0.76	0.71	0.76	1.04
USGS073802516 Barataria Pass at Grand Isle	1.28	1.27	1.08	0.77	0.71	0.69	0.66	0.70	0.71	0.68	0.75	1.03
HWQ14 - Lake Washington	1.34	1.35	1.15	0.65	0.56	0.56	0.60	0.62	0.72	0.70	0.86	1.16
HWQ16 - Bayou Grand Liard	1.17	1.22	1.21	1.12	1.15	1.13	1.01	1.01	0.93	0.72	0.70	1.09
CRMS 3985	1.52	1.53	1.36	0.72	0.61	0.63	0.72	0.78	0.92	0.89	1.12	1.40
CRMS 0258	1.45	1.49	1.32	0.98	1.03	1.10	1.12	1.15	0.92	0.79	1.12	1.40
CRMS 0224	1.31	1.33	0.98	0.80	0.78	0.77	0.67	0.66	0.72	0.71	0.86	1.08
CRMS 0163	1.93	1.93	1.76	1.78	1.80	1.79	1.51	1.60	1.83	1.83	1.96	1.84
CRMS 0162	1.96	1.95	1.91	1.94	1.97	1.95	1.95	1.94	1.93	1.94	1.89	1.91

V3PR3 HYST - cy 0 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.02	1.98	1.97	1.98	2.03	2.01	1.99	1.91	1.88	1.91	1.96	1.97
CRMS0276 - Just east of Wilkinson Canal	1.53	1.54	1.48	1.45	1.46	1.42	1.18	1.12	1.30	1.07	1.05	1.47
Barataria Waterway at Lafitte (USACE82875)	1.93	1.98	1.82	1.77	1.76	1.74	1.54	1.49	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	2.13	1.97	1.87	1.91	1.96	1.97	1.97	1.56	1.45	1.56	1.93	1.87
USGS7380251 Barataria Bay North of Grand Isle	1.54	1.51	1.55	1.47	1.45	1.25	1.10	0.92	0.86	0.90	1.18	1.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.58	1.53	1.66	1.66	1.70	1.69	1.59	1.00	0.95	0.96	1.14	1.72
USGS 07380335 - Little Lake Near Cutoff	1.51	1.47	1.61	1.54	1.57	1.55	1.42	0.98	0.93	0.88	1.01	1.65
USGS073802516 Barataria Pass at Grand Isle	1.45	1.40	1.38	1.17	1.10	0.99	0.96	0.87	0.83	0.82	0.96	1.43
HWQ14 - Lake Washington	1.40	1.40	1.28	0.98	0.89	0.79	0.76	0.73	0.74	0.79	0.98	1.31
HWQ16 - Bayou Grand Liard	1.23	1.26	1.35	1.24	1.27	1.24	1.08	1.02	0.99	0.77	0.75	1.26
CRMS 3985	1.47	1.51	1.38	1.00	0.93	0.87	0.85	0.85	0.80	0.86	1.07	1.40
CRMS 0258	1.87	1.73	1.60	1.43	1.40	1.44	1.43	1.41	1.19	0.97	1.45	1.70
CRMS 0224	1.76	1.61	1.56	1.43	1.37	1.43	1.40	1.11	1.00	0.98	1.32	1.67
CRMS 0163	1.93	1.93	1.76	1.77	1.80	1.77	1.50	1.60	1.82	1.83	1.96	1.84
CRMS 0162	1.95	1.95	1.90	1.93	1.97	1.95	1.95	1.93	1.93	1.93	1.89	1.91

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.68	0.94	1.32	1.38	1.39	1.33	1.19	1.23	1.24	1.10	0.88
CRMS0276 - Just east of Wilkinson Canal	0.11	0.02	0.00	-0.04	-0.09	-0.09	0.08	0.07	0.02	0.02	0.04	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.01	0.00	-0.02	0.00	0.00	0.00	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.65	0.96	1.26	1.26	1.30	1.33	0.90	0.80	0.91	1.07	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.10	0.34	0.79	0.86	0.66	0.46	0.23	0.07	0.14	0.24	0.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.28	0.23	0.57	0.93	1.07	1.09	0.98	0.36	0.26	0.27	0.35	0.65
USGS 07380335 - Little Lake Near Cutoff	0.24	0.18	0.50	0.69	0.83	0.88	0.75	0.25	0.17	0.16	0.26	0.60
USGS073802516 Barataria Pass at Grand Isle	0.17	0.12	0.30	0.39	0.39	0.30	0.29	0.17	0.12	0.14	0.20	0.40
HWQ14 - Lake Washington	0.05	0.05	0.14	0.33	0.32	0.23	0.16	0.11	0.02	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.07	0.05	0.14	0.12	0.12	0.11	0.08	0.02	0.05	0.05	0.05	0.18
CRMS 3985	-0.05	-0.02	0.02	0.28	0.32	0.23	0.13	0.08	-0.11	-0.03	-0.06	-0.01
CRMS 0258	0.42	0.24	0.27	0.45	0.37	0.34	0.31	0.26	0.27	0.18	0.33	0.30
CRMS 0224	0.44	0.28	0.58	0.63	0.59	0.66	0.73	0.45	0.28	0.26	0.46	0.59
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00

Figure WQ TOTN 10 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.23	0.99	0.66	0.63	0.60	0.61	0.66	0.64	0.67	0.88	0.98
CRMS0276 - Just east of Wilkinson Canal	1.28	1.51	1.45	1.33	1.40	1.29	0.91	0.84	1.06	1.07	1.15	1.29
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.82	1.69	1.68	1.58	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.13	0.79	0.59	0.63	0.61	0.60	0.63	0.63	0.65	0.87	0.90
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.40	1.19	0.72	0.60	0.61	0.71	0.74	0.82	0.82	1.00	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.28	1.05	0.68	0.61	0.58	0.61	0.60	0.70	0.70	0.87	1.08
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.07	0.76	0.69	0.61	0.62	0.61	0.73	0.71	0.85	1.03
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.72	0.66	0.62	0.61	0.59	0.69	0.69	0.83	1.04
HWQ14 - Lake Washington	1.38	1.35	1.12	0.68	0.57	0.57	0.65	0.63	0.74	0.75	0.92	1.20
HWQ16 - Bayou Grand Liard	1.09	1.23	1.18	0.99	1.03	0.91	0.78	0.72	0.80	0.74	0.81	0.95
CRMS 3985	1.54	1.52	1.33	0.81	0.63	0.70	0.95	0.96	0.98	0.98	1.19	1.49
CRMS 0258	1.24	1.26	1.18	0.89	0.95	1.05	0.91	0.79	0.73	0.77	1.08	1.07
CRMS 0224	1.18	1.18	0.87	0.68	0.69	0.67	0.60	0.58	0.69	0.69	0.89	0.99
CRMS 0163	1.84	1.89	1.78	1.72	1.73	1.57	1.40	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.91	1.90	1.90	1.88	1.93	1.90	1.79	1.92	1.88	1.97

V3PR4 HYST - cy 0 - 1970 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.98	1.98	1.98	1.99	1.99	1.92	1.91	1.87	1.84	1.90	1.95
CRMS0276 - Just east of Wilkinson Canal	1.44	1.52	1.41	1.31	1.36	1.25	0.98	0.89	1.08	1.09	1.19	1.33
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.81	1.66	1.67	1.57	1.36	1.36	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.96	1.94	1.93	1.94	1.96	1.98	1.68	1.64	1.52	1.57	1.86	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.53	1.60	1.49	1.55	1.12	0.82	0.83	0.84	0.85	1.12	1.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.62	1.62	1.71	1.67	1.75	1.60	0.97	0.81	0.89	0.91	1.11	1.37
USGS 07380335 - Little Lake Near Cutoff	1.52	1.55	1.66	1.56	1.65	1.45	0.94	0.74	0.84	0.84	1.04	1.25
USGS073802516 Barataria Pass at Grand Isle	1.45	1.44	1.40	1.15	1.14	0.94	0.79	0.69	0.76	0.78	0.96	1.18
HWQ14 - Lake Washington	1.42	1.40	1.27	0.96	0.93	0.77	0.69	0.68	0.74	0.77	0.95	1.21
HWQ16 - Bayou Grand Liard	1.22	1.32	1.34	1.18	1.28	1.08	0.86	0.76	0.83	0.77	0.86	1.01
CRMS 3985	1.48	1.47	1.31	1.00	1.04	0.83	0.79	0.83	0.85	0.86	1.06	1.40
CRMS 0258	1.63	1.58	1.62	1.43	1.49	1.35	1.09	0.99	0.87	0.88	1.31	1.28
CRMS 0224	1.63	1.58	1.59	1.41	1.43	1.27	0.93	0.83	0.87	0.91	1.25	1.35
CRMS 0163	1.84	1.88	1.78	1.70	1.72	1.57	1.42	1.53	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.90	1.89	1.89	1.87	1.92	1.89	1.78	1.92	1.89	1.97

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.64	0.76	0.99	1.33	1.36	1.39	1.30	1.26	1.23	1.17	1.02	0.97
CRMS0276 - Just east of Wilkinson Canal	0.16	0.01	-0.04	-0.01	-0.05	-0.03	0.08	0.05	0.02	0.01	0.04	0.04
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.03	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.74	0.81	1.14	1.34	1.33	1.37	1.08	1.02	0.89	0.92	0.99	1.00
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.41	0.76	0.96	0.51	0.11	0.09	0.02	0.04	0.12	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.35	0.67	0.99	1.15	1.02	0.36	0.21	0.19	0.21	0.25	0.29
USGS 07380335 - Little Lake Near Cutoff	0.30	0.29	0.59	0.80	0.96	0.84	0.32	0.13	0.11	0.12	0.19	0.22
USGS073802516 Barataria Pass at Grand Isle	0.18	0.17	0.35	0.43	0.48	0.32	0.17	0.10	0.07	0.09	0.13	0.14
HWQ14 - Lake Washington	0.04	0.05	0.15	0.28	0.36	0.20	0.04	0.05	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.13	0.09	0.17	0.19	0.24	0.17	0.08	0.04	0.02	0.03	0.05	0.07
CRMS 3985	-0.06	-0.05	-0.02	0.18	0.40	0.13	-0.16	-0.14	-0.13	-0.11	-0.13	-0.09
CRMS 0258	0.39	0.32	0.44	0.54	0.53	0.30	0.19	0.20	0.14	0.12	0.23	0.22
CRMS 0224	0.45	0.40	0.73	0.73	0.74	0.60	0.33	0.25	0.18	0.22	0.36	0.36
CRMS 0163	0.00	0.00	0.00	-0.02	-0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00

Figure WQ TOTN 11 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.36	1.31	0.98	0.67	0.67	0.63	0.64	0.68	0.64	0.65	0.83	1.06
CRMS0276 - Just east of Wilkinson Canal	1.39	1.63	1.62	1.53	1.54	1.28	0.94	0.92	1.13	0.95	1.00	1.37
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.82	1.83	1.77	1.56	1.46	1.48	1.56	1.50	1.85	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.29	0.85	0.65	0.71	0.69	0.63	0.65	0.61	0.62	0.81	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.59	0.59	0.64	0.71	0.81	0.77	0.96	1.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.31	1.05	0.72	0.64	0.60	0.60	0.63	0.68	0.67	0.78	1.05
USGS 07380335 - Little Lake Near Cutoff	1.25	1.32	1.13	0.86	0.75	0.64	0.63	0.68	0.73	0.67	0.74	1.01
USGS073802516 Barataria Pass at Grand Isle	1.27	1.30	1.07	0.78	0.73	0.66	0.62	0.65	0.69	0.65	0.75	1.01
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.56	0.60	0.66	0.73	0.70	0.88	1.17
HWQ16 - Bayou Grand Liard	1.14	1.35	1.33	1.15	1.16	0.92	0.82	0.85	0.85	0.65	0.70	1.00
CRMS 3985	1.52	1.47	1.21	0.68	0.61	0.64	0.73	0.84	0.95	0.92	1.17	1.44
CRMS 0258	1.42	1.52	1.31	0.99	1.06	1.10	0.95	0.82	0.72	0.69	0.98	1.28
CRMS 0224	1.27	1.34	0.97	0.82	0.81	0.76	0.64	0.63	0.68	0.66	0.80	1.01
CRMS 0163	1.86	1.81	1.79	1.82	1.82	1.63	1.52	1.60	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.94	1.96	1.97	1.92	1.94	1.91	1.87	1.88	1.88	1.92

V3PR4 HYST - cy 0 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	2.00	2.01	2.00	1.90	1.92	1.88	1.91	1.93	1.95
CRMS0276 - Just east of Wilkinson Canal	1.50	1.65	1.61	1.51	1.47	1.26	0.96	0.96	1.14	0.97	1.04	1.39
Barataria Waterway at Lafitte (USACE82875)	1.89	1.85	1.82	1.81	1.76	1.55	1.46	1.48	1.56	1.50	1.84	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.95	1.93	1.95	1.97	1.99	1.86	1.79	1.73	1.59	1.68	1.95	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.67	1.70	1.63	1.63	0.90	0.78	0.83	0.83	0.86	1.12	1.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.65	1.78	1.82	1.81	1.84	1.15	0.85	0.85	0.92	0.93	1.09	1.54
USGS 07380335 - Little Lake Near Cutoff	1.59	1.74	1.78	1.73	1.75	1.10	0.79	0.79	0.88	0.82	0.98	1.43
USGS073802516 Barataria Pass at Grand Isle	1.49	1.58	1.52	1.31	1.24	0.92	0.71	0.73	0.78	0.77	0.92	1.27
HWQ14 - Lake Washington	1.41	1.47	1.35	1.09	1.01	0.77	0.67	0.69	0.74	0.78	0.95	1.25
HWQ16 - Bayou Grand Liard	1.25	1.52	1.55	1.41	1.41	1.04	0.83	0.88	0.88	0.68	0.76	1.11
CRMS 3985	1.49	1.49	1.43	1.17	1.13	0.81	0.77	0.82	0.83	0.86	1.07	1.39
CRMS 0258	1.72	1.70	1.71	1.66	1.57	1.20	1.05	0.99	0.87	0.85	1.28	1.54
CRMS 0224	1.70	1.70	1.71	1.64	1.57	1.09	0.90	0.88	0.89	0.92	1.25	1.49
CRMS 0163	1.86	1.81	1.79	1.81	1.81	1.62	1.52	1.60	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.93	1.96	1.97	1.92	1.94	1.90	1.87	1.88	1.88	1.92

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.67	1.01	1.33	1.35	1.37	1.26	1.24	1.25	1.26	1.11	0.89
CRMS0276 - Just east of Wilkinson Canal	0.11	0.02	-0.02	-0.01	-0.07	-0.03	0.02	0.04	0.01	0.02	0.05	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.01	-0.01	0.00	0.00	0.00	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.67	0.64	1.10	1.32	1.28	1.17	1.15	1.08	0.98	1.06	1.14	0.97
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.28	0.59	0.97	1.04	0.31	0.14	0.12	0.02	0.10	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.48	0.77	1.09	1.19	0.55	0.26	0.22	0.24	0.26	0.31	0.49
USGS 07380335 - Little Lake Near Cutoff	0.34	0.41	0.64	0.87	0.99	0.46	0.16	0.11	0.14	0.16	0.24	0.42
USGS073802516 Barataria Pass at Grand Isle	0.22	0.28	0.45	0.53	0.51	0.26	0.09	0.08	0.09	0.13	0.17	0.26
HWQ14 - Lake Washington	0.05	0.14	0.31	0.46	0.44	0.20	0.07	0.04	0.01	0.08	0.07	0.08
HWQ16 - Bayou Grand Liard	0.11	0.17	0.22	0.26	0.25	0.12	0.02	0.04	0.04	0.04	0.06	0.11
CRMS 3985	-0.03	0.02	0.22	0.49	0.52	0.17	0.04	-0.02	-0.12	-0.05	-0.10	-0.05
CRMS 0258	0.30	0.18	0.40	0.67	0.51	0.10	0.09	0.17	0.16	0.15	0.30	0.26
CRMS 0224	0.44	0.36	0.74	0.82	0.76	0.33	0.26	0.25	0.21	0.26	0.45	0.48
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTN 12 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.22	0.87	0.62	0.63	0.56	0.60	0.65	0.63	0.67	0.91	1.08
CRMS0276 - Just east of Wilkinson Canal	1.25	1.54	1.37	1.23	1.16	1.07	0.75	0.73	0.96	0.99	1.13	1.37
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.58	1.57	1.49	1.29	1.30	1.42	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.10	0.74	0.57	0.59	0.56	0.58	0.63	0.63	0.64	0.85	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.41	1.19	0.73	0.65	0.62	0.70	0.75	0.87	0.86	1.03	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.27	1.05	0.68	0.61	0.57	0.59	0.58	0.68	0.70	0.86	1.11
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.05	0.74	0.63	0.57	0.58	0.57	0.68	0.69	0.83	1.07
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.71	0.62	0.57	0.57	0.55	0.66	0.68	0.83	1.07
HWQ14 - Lake Washington	1.39	1.36	1.14	0.70	0.62	0.57	0.64	0.64	0.76	0.77	0.94	1.22
HWQ16 - Bayou Grand Liard	1.06	1.26	1.13	0.92	0.84	0.74	0.61	0.64	0.70	0.68	0.81	1.03
CRMS 3985	1.58	1.51	1.38	0.86	0.78	0.73	0.93	0.98	1.04	1.04	1.22	1.49
CRMS 0258	1.15	1.24	0.87	0.79	0.89	0.71	0.65	0.66	0.65	0.68	1.09	1.21
CRMS 0224	1.18	1.16	0.82	0.65	0.61	0.56	0.54	0.56	0.65	0.66	0.85	1.01
CRMS 0163	1.86	1.84	1.80	1.66	1.59	1.56	1.41	1.46	1.73	1.82	1.94	1.90
CRMS 0162	1.93	1.92	1.93	1.87	1.82	1.83	1.91	1.82	1.66	1.92	1.88	1.94

V3PR4 HYST - cy 0 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.97	1.98	1.92	1.95	1.86	1.88	1.91	1.86	1.83	1.87	1.90
CRMS0276 - Just east of Wilkinson Canal	1.30	1.56	1.32	1.25	1.15	1.06	0.78	0.76	0.99	1.01	1.16	1.36
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.57	1.55	1.49	1.30	1.31	1.43	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.84	1.91	1.91	1.70	1.79	1.33	1.59	1.60	1.49	1.56	1.80	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.48	1.57	1.38	1.03	1.07	0.69	0.72	0.77	0.80	0.81	1.09	1.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.43	1.66	1.43	1.11	1.39	0.76	0.73	0.73	0.83	0.85	1.06	1.35
USGS 07380335 - Little Lake Near Cutoff	1.33	1.59	1.35	1.09	1.24	0.72	0.66	0.65	0.77	0.77	0.98	1.24
USGS073802516 Barataria Pass at Grand Isle	1.33	1.47	1.17	0.93	0.84	0.67	0.61	0.60	0.71	0.72	0.91	1.17
HWQ14 - Lake Washington	1.38	1.43	1.14	0.82	0.71	0.60	0.62	0.65	0.72	0.72	0.91	1.19
HWQ16 - Bayou Grand Liard	1.09	1.35	1.16	1.01	0.91	0.80	0.64	0.65	0.74	0.70	0.84	1.05
CRMS 3985	1.53	1.47	1.19	0.82	0.74	0.66	0.73	0.80	0.87	0.84	1.05	1.38
CRMS 0258	1.48	1.55	1.21	0.98	1.17	0.79	0.74	0.78	0.72	0.75	1.23	1.37
CRMS 0224	1.47	1.56	1.24	1.02	1.04	0.74	0.71	0.73	0.77	0.82	1.15	1.30
CRMS 0163	1.86	1.83	1.80	1.65	1.58	1.57	1.42	1.48	1.74	1.83	1.94	1.90
CRMS 0162	1.93	1.91	1.92	1.87	1.81	1.83	1.91	1.80	1.64	1.92	1.88	1.94

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.65	0.75	1.11	1.29	1.33	1.30	1.28	1.26	1.23	1.16	0.97	0.82
CRMS0276 - Just east of Wilkinson Canal	0.05	0.02	-0.04	0.02	-0.02	-0.01	0.03	0.02	0.03	0.02	0.03	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.02	0.00	0.01	0.02	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.65	0.81	1.17	1.12	1.20	0.77	1.01	0.97	0.86	0.91	0.95	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.17	0.19	0.30	0.42	0.07	0.02	0.02	-0.07	-0.05	0.05	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.39	0.38	0.43	0.78	0.19	0.13	0.15	0.15	0.14	0.20	0.24
USGS 07380335 - Little Lake Near Cutoff	0.11	0.33	0.30	0.35	0.61	0.15	0.09	0.08	0.09	0.08	0.15	0.18
USGS073802516 Barataria Pass at Grand Isle	0.06	0.20	0.12	0.22	0.22	0.10	0.04	0.05	0.04	0.04	0.08	0.10
HWQ14 - Lake Washington	-0.02	0.07	0.00	0.12	0.09	0.03	-0.02	0.00	-0.05	-0.05	-0.04	-0.03
HWQ16 - Bayou Grand Liard	0.03	0.09	0.03	0.09	0.07	0.05	0.03	0.02	0.04	0.03	0.03	0.02
CRMS 3985	-0.05	-0.04	-0.18	-0.04	-0.04	-0.07	-0.20	-0.18	-0.17	-0.20	-0.16	-0.11
CRMS 0258	0.33	0.31	0.34	0.19	0.28	0.08	0.09	0.12	0.08	0.07	0.13	0.16
CRMS 0224	0.29	0.40	0.42	0.37	0.43	0.17	0.17	0.18	0.12	0.16	0.30	0.29
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.00
CRMS 0162	-0.01	0.00	-0.01	0.00	-0.01	0.00	0.00	-0.02	-0.01	0.00	0.00	0.00

Figure WQ TOTN 13 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.37	1.34	1.02	0.67	0.67	0.63	0.66	0.72	0.65	0.68	0.89	1.06
CRMS0276 - Just east of Wilkinson Canal	1.37	1.67	1.59	1.47	1.38	1.38	1.04	1.07	1.33	1.15	1.07	1.21
Barataria Waterway at Lafitte (USACE82875)	1.88	1.85	1.88	1.79	1.67	1.65	1.56	1.55	1.59	1.56	1.84	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.29	1.34	0.89	0.64	0.70	0.66	0.62	0.66	0.67	0.67	0.90	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.60	0.61	0.72	0.69	0.78	0.75	0.97	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.33	1.05	0.70	0.62	0.59	0.62	0.63	0.70	0.70	0.84	1.06
USGS 07380335 - Little Lake Near Cutoff	1.24	1.36	1.13	0.82	0.69	0.63	0.64	0.73	0.78	0.74	0.82	0.99
USGS073802516 Barataria Pass at Grand Isle	1.27	1.33	1.06	0.75	0.67	0.63	0.63	0.69	0.71	0.70	0.80	1.00
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.57	0.67	0.60	0.72	0.70	0.89	1.18
HWQ16 - Bayou Grand Liard	1.15	1.40	1.29	1.09	1.00	0.97	0.92	1.03	0.96	0.80	0.74	0.92
CRMS 3985	1.51	1.45	1.19	0.69	0.62	0.68	0.96	0.86	0.91	0.86	1.15	1.45
CRMS 0258	1.38	1.55	1.37	0.97	1.05	1.10	1.10	1.16	0.99	0.83	1.18	1.29
CRMS 0224	1.25	1.38	0.99	0.78	0.75	0.73	0.65	0.65	0.73	0.74	0.92	1.03
CRMS 0163	1.83	1.80	1.86	1.80	1.73	1.65	1.55	1.63	1.83	1.85	1.95	1.90
CRMS 0162	1.91	1.92	1.96	1.95	1.94	1.90	1.93	1.93	1.93	1.94	1.88	1.95

V3PR4 HYST - cy 0 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	1.99	1.99	2.00	2.00	1.99	1.93	1.87	1.89	1.98	1.94
CRMS0276 - Just east of Wilkinson Canal	1.53	1.69	1.60	1.48	1.34	1.35	1.26	1.22	1.35	1.17	1.11	1.23
Barataria Waterway at Lafitte (USACE82875)	1.88	1.84	1.88	1.76	1.65	1.64	1.54	1.53	1.59	1.55	1.83	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.91	1.93	1.96	1.96	1.99	1.99	1.98	1.73	1.48	1.59	1.95	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.65	1.69	1.73	1.60	1.52	1.32	1.23	1.12	0.89	0.92	1.20	1.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.73	1.80	1.84	1.78	1.73	1.74	1.71	1.38	0.97	0.97	1.17	1.41
USGS 07380335 - Little Lake Near Cutoff	1.66	1.76	1.80	1.69	1.60	1.61	1.57	1.32	0.96	0.91	1.07	1.27
USGS073802516 Barataria Pass at Grand Isle	1.54	1.60	1.52	1.29	1.12	1.01	1.02	1.02	0.87	0.85	1.00	1.21
HWQ14 - Lake Washington	1.45	1.48	1.35	1.08	0.92	0.81	0.79	0.79	0.76	0.79	1.00	1.25
HWQ16 - Bayou Grand Liard	1.33	1.57	1.51	1.34	1.23	1.20	1.12	1.11	1.03	0.84	0.79	0.99
CRMS 3985	1.49	1.49	1.39	1.12	1.00	0.92	0.91	0.93	0.83	0.83	1.07	1.40
CRMS 0258	1.72	1.73	1.79	1.63	1.44	1.48	1.56	1.47	1.32	1.05	1.54	1.52
CRMS 0224	1.71	1.73	1.77	1.59	1.42	1.46	1.51	1.31	1.06	1.01	1.37	1.43
CRMS 0163	1.83	1.80	1.86	1.78	1.72	1.64	1.55	1.63	1.83	1.84	1.94	1.90
CRMS 0162	1.91	1.92	1.96	1.94	1.93	1.90	1.93	1.93	1.93	1.94	1.88	1.95

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.61	0.65	0.97	1.32	1.33	1.37	1.33	1.21	1.22	1.21	1.09	0.88
CRMS0276 - Just east of Wilkinson Canal	0.16	0.02	0.01	0.01	-0.04	-0.03	0.22	0.15	0.02	0.02	0.04	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.03	-0.02	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.62	0.59	1.07	1.32	1.29	1.33	1.35	1.07	0.82	0.92	1.06	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.31	0.62	0.94	0.92	0.72	0.51	0.44	0.12	0.16	0.24	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.47	0.79	1.08	1.11	1.15	1.09	0.75	0.27	0.27	0.33	0.36
USGS 07380335 - Little Lake Near Cutoff	0.42	0.40	0.67	0.87	0.90	0.97	0.94	0.59	0.19	0.17	0.25	0.29
USGS073802516 Barataria Pass at Grand Isle	0.28	0.27	0.46	0.54	0.46	0.38	0.39	0.33	0.15	0.15	0.20	0.21
HWQ14 - Lake Washington	0.08	0.15	0.31	0.45	0.35	0.25	0.12	0.18	0.05	0.09	0.11	0.07
HWQ16 - Bayou Grand Liard	0.18	0.17	0.22	0.25	0.23	0.23	0.20	0.08	0.08	0.04	0.05	0.07
CRMS 3985	-0.03	0.04	0.21	0.44	0.38	0.24	-0.05	0.07	-0.08	-0.03	-0.08	-0.06
CRMS 0258	0.34	0.18	0.41	0.66	0.39	0.38	0.45	0.31	0.32	0.22	0.35	0.23
CRMS 0224	0.46	0.34	0.78	0.81	0.67	0.73	0.86	0.66	0.33	0.27	0.45	0.40
CRMS 0163	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTN 14 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.30	1.03	0.67	0.66	0.62	0.66	0.72	0.65	0.67	0.86	1.09
CRMS0276 - Just east of Wilkinson Canal	1.42	1.52	1.48	1.49	1.55	1.51	1.10	1.05	1.28	1.06	1.01	1.46
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.82	1.79	1.77	1.74	1.56	1.50	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.33	0.91	0.65	0.70	0.68	0.64	0.66	0.65	0.65	0.86	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.41	1.41	1.21	0.68	0.59	0.59	0.64	0.68	0.79	0.76	0.94	1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.30	1.09	0.72	0.63	0.61	0.61	0.63	0.69	0.69	0.79	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.28	1.11	0.85	0.74	0.68	0.67	0.73	0.76	0.71	0.76	1.04
USGS073802516 Barataria Pass at Grand Isle	1.28	1.27	1.08	0.77	0.71	0.69	0.66	0.70	0.71	0.68	0.75	1.03
HWQ14 - Lake Washington	1.34	1.35	1.15	0.65	0.56	0.56	0.60	0.62	0.72	0.70	0.86	1.16
HWQ16 - Bayou Grand Liard	1.17	1.22	1.21	1.12	1.15	1.13	1.01	1.01	0.93	0.72	0.70	1.09
CRMS 3985	1.52	1.53	1.36	0.72	0.61	0.63	0.72	0.78	0.92	0.89	1.12	1.40
CRMS 0258	1.45	1.49	1.32	0.98	1.03	1.10	1.12	1.15	0.92	0.79	1.12	1.40
CRMS 0224	1.31	1.33	0.98	0.80	0.78	0.77	0.67	0.66	0.72	0.71	0.86	1.08
CRMS 0163	1.93	1.93	1.76	1.78	1.80	1.79	1.51	1.60	1.83	1.83	1.96	1.84
CRMS 0162	1.96	1.95	1.91	1.94	1.97	1.95	1.95	1.94	1.93	1.94	1.89	1.91

V3PR4 HYST - cy 0 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.04	1.99	1.98	1.99	2.04	2.02	1.99	1.92	1.88	1.91	1.96	1.98
CRMS0276 - Just east of Wilkinson Canal	1.55	1.55	1.50	1.47	1.45	1.46	1.30	1.15	1.31	1.08	1.06	1.50
Barataria Waterway at Lafitte (USACE82875)	1.93	1.98	1.81	1.77	1.75	1.73	1.54	1.50	1.58	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	2.21	2.04	1.92	1.95	2.01	2.00	1.99	1.66	1.54	1.64	1.96	1.92
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.53	1.62	1.60	1.62	1.52	1.25	0.94	0.88	0.91	1.20	1.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.63	1.57	1.72	1.77	1.83	1.82	1.73	1.03	0.96	0.97	1.15	1.77
USGS 07380335 - Little Lake Near Cutoff	1.56	1.50	1.68	1.68	1.73	1.71	1.60	1.02	0.94	0.88	1.03	1.71
USGS073802516 Barataria Pass at Grand Isle	1.49	1.43	1.43	1.27	1.22	1.10	1.05	0.91	0.85	0.84	0.97	1.48
HWQ14 - Lake Washington	1.42	1.42	1.32	1.07	0.99	0.91	0.83	0.76	0.76	0.81	0.99	1.34
HWQ16 - Bayou Grand Liard	1.26	1.28	1.41	1.34	1.39	1.33	1.16	1.05	0.99	0.77	0.76	1.33
CRMS 3985	1.48	1.51	1.43	1.13	1.12	1.09	0.94	0.89	0.83	0.88	1.08	1.43
CRMS 0258	1.94	1.78	1.64	1.62	1.55	1.57	1.55	1.39	1.19	0.98	1.46	1.72
CRMS 0224	1.83	1.66	1.62	1.58	1.55	1.56	1.53	1.11	0.99	0.98	1.32	1.70
CRMS 0163	1.92	1.93	1.76	1.77	1.80	1.78	1.50	1.61	1.83	1.83	1.96	1.84
CRMS 0162	1.95	1.95	1.90	1.93	1.98	1.95	1.95	1.94	1.93	1.93	1.89	1.91

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.70	0.95	1.32	1.39	1.39	1.34	1.19	1.23	1.24	1.11	0.89
CRMS0276 - Just east of Wilkinson Canal	0.14	0.04	0.02	-0.02	-0.09	-0.05	0.20	0.10	0.03	0.02	0.05	0.04
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.02	0.00	-0.02	0.00	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.89	0.71	1.01	1.30	1.31	1.33	1.35	1.00	0.90	0.99	1.09	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.12	0.41	0.92	1.04	0.93	0.61	0.26	0.09	0.16	0.26	0.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.27	0.64	1.04	1.19	1.22	1.12	0.40	0.27	0.28	0.37	0.70
USGS 07380335 - Little Lake Near Cutoff	0.28	0.22	0.57	0.83	0.99	1.03	0.93	0.30	0.18	0.17	0.27	0.66
USGS073802516 Barataria Pass at Grand Isle	0.21	0.15	0.35	0.50	0.51	0.41	0.39	0.21	0.14	0.15	0.22	0.45
HWQ14 - Lake Washington	0.08	0.07	0.18	0.42	0.43	0.35	0.23	0.14	0.04	0.11	0.13	0.19
HWQ16 - Bayou Grand Liard	0.09	0.06	0.21	0.23	0.24	0.20	0.16	0.04	0.06	0.05	0.06	0.24
CRMS 3985	-0.04	-0.02	0.07	0.41	0.51	0.46	0.22	0.12	-0.09	-0.01	-0.04	0.03
CRMS 0258	0.49	0.28	0.32	0.63	0.52	0.47	0.43	0.24	0.27	0.19	0.34	0.31
CRMS 0224	0.51	0.33	0.64	0.78	0.77	0.79	0.85	0.45	0.27	0.26	0.47	0.63
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.01	0.00	0.00	0.00	0.00
CRMS 0162	-0.01	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00

Figure WQ TOTN 15 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.23	0.99	0.66	0.63	0.60	0.61	0.66	0.64	0.67	0.88	0.98
CRMS0276 - Just east of Wilkinson Canal	1.28	1.51	1.45	1.33	1.40	1.29	0.91	0.84	1.06	1.07	1.15	1.29
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.82	1.69	1.68	1.58	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.13	0.79	0.59	0.63	0.61	0.60	0.63	0.63	0.65	0.87	0.90
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.40	1.19	0.72	0.60	0.61	0.71	0.74	0.82	0.82	1.00	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.28	1.05	0.68	0.61	0.58	0.61	0.60	0.70	0.70	0.87	1.08
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.07	0.76	0.69	0.61	0.62	0.61	0.73	0.71	0.85	1.03
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.72	0.66	0.62	0.61	0.59	0.69	0.69	0.83	1.04
HWQ14 - Lake Washington	1.38	1.35	1.12	0.68	0.57	0.57	0.65	0.63	0.74	0.75	0.92	1.20
HWQ16 - Bayou Grand Liard	1.09	1.23	1.18	0.99	1.03	0.91	0.78	0.72	0.80	0.74	0.81	0.95
CRMS 3985	1.54	1.52	1.33	0.81	0.63	0.70	0.95	0.96	0.98	0.98	1.19	1.49
CRMS 0258	1.24	1.26	1.18	0.89	0.95	1.05	0.91	0.79	0.73	0.77	1.08	1.07
CRMS 0224	1.18	1.18	0.87	0.68	0.69	0.67	0.60	0.58	0.69	0.69	0.89	0.99
CRMS 0163	1.84	1.89	1.78	1.72	1.73	1.57	1.40	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.91	1.90	1.90	1.88	1.93	1.90	1.79	1.92	1.88	1.97

V3PR5 HYST - cy 0 - 1970 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.98	1.98	1.98	1.99	1.99	1.92	1.91	1.88	1.83	1.90	1.95
CRMS0276 - Just east of Wilkinson Canal	1.44	1.52	1.41	1.30	1.36	1.25	0.98	0.88	1.09	1.09	1.20	1.31
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.81	1.66	1.67	1.57	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.95	1.92	1.91	1.92	1.95	1.97	1.61	1.60	1.45	1.51	1.84	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.53	1.60	1.50	1.56	1.15	0.83	0.83	0.84	0.86	1.12	1.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.62	1.62	1.72	1.67	1.76	1.60	0.97	0.81	0.89	0.91	1.12	1.37
USGS 07380335 - Little Lake Near Cutoff	1.52	1.55	1.66	1.55	1.65	1.44	0.94	0.74	0.85	0.84	1.04	1.25
USGS073802516 Barataria Pass at Grand Isle	1.45	1.44	1.41	1.16	1.14	0.94	0.79	0.68	0.77	0.78	0.97	1.18
HWQ14 - Lake Washington	1.42	1.40	1.27	0.96	0.93	0.77	0.69	0.68	0.74	0.77	0.95	1.22
HWQ16 - Bayou Grand Liard	1.22	1.32	1.34	1.17	1.27	1.08	0.86	0.76	0.83	0.77	0.86	1.00
CRMS 3985	1.48	1.47	1.31	1.00	1.05	0.84	0.79	0.83	0.85	0.86	1.06	1.40
CRMS 0258	1.62	1.57	1.61	1.42	1.47	1.33	1.08	0.98	0.87	0.88	1.31	1.28
CRMS 0224	1.62	1.57	1.59	1.40	1.41	1.23	0.92	0.83	0.87	0.91	1.25	1.34
CRMS 0163	1.84	1.88	1.78	1.70	1.71	1.57	1.40	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.90	1.89	1.88	1.87	1.92	1.89	1.78	1.92	1.89	1.97

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.64	0.76	0.99	1.33	1.36	1.39	1.31	1.26	1.23	1.16	1.02	0.97
CRMS0276 - Just east of Wilkinson Canal	0.16	0.01	-0.04	-0.02	-0.05	-0.03	0.07	0.04	0.02	0.01	0.05	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.03	-0.02	-0.02	0.00	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.79	1.12	1.32	1.32	1.35	1.01	0.97	0.82	0.86	0.97	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.41	0.77	0.96	0.54	0.12	0.09	0.02	0.04	0.12	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.35	0.67	0.99	1.15	1.02	0.36	0.22	0.19	0.21	0.25	0.29
USGS 07380335 - Little Lake Near Cutoff	0.30	0.29	0.59	0.80	0.96	0.83	0.32	0.12	0.11	0.13	0.19	0.21
USGS073802516 Barataria Pass at Grand Isle	0.19	0.17	0.35	0.43	0.48	0.32	0.18	0.10	0.07	0.09	0.13	0.14
HWQ14 - Lake Washington	0.04	0.05	0.15	0.27	0.36	0.20	0.04	0.05	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.13	0.08	0.16	0.18	0.24	0.16	0.08	0.04	0.03	0.03	0.05	0.06
CRMS 3985	-0.06	-0.05	-0.02	0.19	0.42	0.14	-0.16	-0.13	-0.13	-0.11	-0.13	-0.09
CRMS 0258	0.38	0.31	0.43	0.53	0.52	0.28	0.18	0.19	0.14	0.11	0.23	0.21
CRMS 0224	0.44	0.39	0.72	0.72	0.72	0.57	0.32	0.25	0.18	0.22	0.36	0.35
CRMS 0163	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00

Figure WQ TOTN 16 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.36	1.31	0.98	0.67	0.67	0.63	0.64	0.68	0.64	0.65	0.83	1.06
CRMS0276 - Just east of Wilkinson Canal	1.39	1.63	1.62	1.53	1.54	1.28	0.94	0.92	1.13	0.95	1.00	1.37
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.82	1.83	1.77	1.56	1.46	1.48	1.56	1.50	1.85	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.29	0.85	0.65	0.71	0.69	0.63	0.65	0.61	0.62	0.81	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.59	0.59	0.64	0.71	0.81	0.77	0.96	1.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.31	1.05	0.72	0.64	0.60	0.60	0.63	0.68	0.67	0.78	1.05
USGS 07380335 - Little Lake Near Cutoff	1.25	1.32	1.13	0.86	0.75	0.64	0.63	0.68	0.73	0.67	0.74	1.01
USGS073802516 Barataria Pass at Grand Isle	1.27	1.30	1.07	0.78	0.73	0.66	0.62	0.65	0.69	0.65	0.75	1.01
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.56	0.60	0.66	0.73	0.70	0.88	1.17
HWQ16 - Bayou Grand Liard	1.14	1.35	1.33	1.15	1.16	0.92	0.82	0.85	0.85	0.65	0.70	1.00
CRMS 3985	1.52	1.47	1.21	0.68	0.61	0.64	0.73	0.84	0.95	0.92	1.17	1.44
CRMS 0258	1.42	1.52	1.31	0.99	1.06	1.10	0.95	0.82	0.72	0.69	0.98	1.28
CRMS 0224	1.27	1.34	0.97	0.82	0.81	0.76	0.64	0.63	0.68	0.66	0.80	1.01
CRMS 0163	1.86	1.81	1.79	1.82	1.82	1.63	1.52	1.60	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.94	1.96	1.97	1.92	1.94	1.91	1.87	1.88	1.88	1.92

V3PR5 HYST - cy 0 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	2.00	2.01	2.00	1.90	1.92	1.88	1.90	1.93	1.95
CRMS0276 - Just east of Wilkinson Canal	1.51	1.65	1.60	1.51	1.46	1.26	0.95	0.95	1.14	0.97	1.04	1.38
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.82	1.81	1.76	1.55	1.45	1.47	1.55	1.50	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.94	1.91	1.94	1.96	1.98	1.80	1.73	1.69	1.52	1.60	1.94	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.67	1.71	1.64	1.64	0.90	0.78	0.83	0.83	0.86	1.12	1.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.65	1.78	1.82	1.82	1.84	1.15	0.85	0.84	0.92	0.93	1.09	1.54
USGS 07380335 - Little Lake Near Cutoff	1.60	1.74	1.78	1.73	1.74	1.10	0.78	0.79	0.87	0.82	0.98	1.42
USGS073802516 Barataria Pass at Grand Isle	1.50	1.58	1.52	1.31	1.24	0.92	0.71	0.72	0.78	0.77	0.92	1.27
HWQ14 - Lake Washington	1.41	1.47	1.36	1.10	1.02	0.76	0.66	0.69	0.74	0.77	0.94	1.25
HWQ16 - Bayou Grand Liard	1.27	1.52	1.55	1.41	1.41	1.05	0.83	0.87	0.88	0.69	0.75	1.11
CRMS 3985	1.49	1.50	1.44	1.18	1.14	0.81	0.77	0.82	0.83	0.86	1.06	1.39
CRMS 0258	1.72	1.69	1.70	1.65	1.55	1.20	1.04	0.98	0.86	0.83	1.27	1.53
CRMS 0224	1.70	1.70	1.70	1.63	1.56	1.09	0.90	0.87	0.88	0.91	1.24	1.48
CRMS 0163	1.86	1.81	1.79	1.81	1.81	1.61	1.51	1.59	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.93	1.96	1.97	1.92	1.94	1.91	1.87	1.87	1.88	1.92

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.67	1.01	1.33	1.35	1.37	1.26	1.24	1.25	1.25	1.11	0.89
CRMS0276 - Just east of Wilkinson Canal	0.12	0.02	-0.02	-0.02	-0.08	-0.02	0.02	0.03	0.01	0.02	0.04	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.66	0.62	1.09	1.31	1.27	1.11	1.10	1.04	0.91	0.98	1.12	0.96
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.29	0.59	0.98	1.04	0.31	0.14	0.12	0.02	0.09	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.48	0.77	1.09	1.19	0.55	0.26	0.21	0.24	0.26	0.31	0.49
USGS 07380335 - Little Lake Near Cutoff	0.34	0.41	0.64	0.87	0.99	0.46	0.16	0.10	0.14	0.15	0.24	0.42
USGS073802516 Barataria Pass at Grand Isle	0.22	0.28	0.45	0.54	0.51	0.26	0.09	0.07	0.09	0.12	0.17	0.25
HWQ14 - Lake Washington	0.06	0.14	0.31	0.47	0.44	0.20	0.07	0.03	0.01	0.07	0.06	0.08
HWQ16 - Bayou Grand Liard	0.13	0.17	0.22	0.26	0.25	0.13	0.01	0.03	0.04	0.04	0.05	0.11
CRMS 3985	-0.03	0.03	0.23	0.50	0.53	0.17	0.04	-0.02	-0.12	-0.06	-0.10	-0.05
CRMS 0258	0.30	0.17	0.39	0.66	0.49	0.10	0.08	0.16	0.15	0.14	0.29	0.25
CRMS 0224	0.43	0.36	0.74	0.81	0.75	0.33	0.26	0.25	0.20	0.24	0.44	0.48
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00

Figure WQ TOTN 17 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.22	0.87	0.62	0.63	0.56	0.60	0.65	0.63	0.67	0.91	1.08
CRMS0276 - Just east of Wilkinson Canal	1.25	1.54	1.37	1.23	1.16	1.07	0.75	0.73	0.96	0.99	1.13	1.37
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.58	1.57	1.49	1.29	1.30	1.42	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.10	0.74	0.57	0.59	0.56	0.58	0.63	0.63	0.64	0.85	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.41	1.19	0.73	0.65	0.62	0.70	0.75	0.87	0.86	1.03	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.27	1.05	0.68	0.61	0.57	0.59	0.58	0.68	0.70	0.86	1.11
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.05	0.74	0.63	0.57	0.58	0.57	0.68	0.69	0.83	1.07
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.71	0.62	0.57	0.57	0.55	0.66	0.68	0.83	1.07
HWQ14 - Lake Washington	1.39	1.36	1.14	0.70	0.62	0.57	0.64	0.64	0.76	0.77	0.94	1.22
HWQ16 - Bayou Grand Liard	1.06	1.26	1.13	0.92	0.84	0.74	0.61	0.64	0.70	0.68	0.81	1.03
CRMS 3985	1.58	1.51	1.38	0.86	0.78	0.73	0.93	0.98	1.04	1.04	1.22	1.49
CRMS 0258	1.15	1.24	0.87	0.79	0.89	0.71	0.65	0.66	0.65	0.68	1.09	1.21
CRMS 0224	1.18	1.16	0.82	0.65	0.61	0.56	0.54	0.56	0.65	0.66	0.85	1.01
CRMS 0163	1.86	1.84	1.80	1.66	1.59	1.56	1.41	1.46	1.73	1.82	1.94	1.90
CRMS 0162	1.93	1.92	1.93	1.87	1.82	1.83	1.91	1.82	1.66	1.92	1.88	1.94

V3PR5 HYST - cy 0 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.97	1.98	1.92	1.95	1.86	1.88	1.91	1.86	1.83	1.87	1.90
CRMS0276 - Just east of Wilkinson Canal	1.30	1.56	1.32	1.25	1.15	1.06	0.78	0.76	0.99	1.00	1.15	1.36
Barataria Waterway at Lafitte (USACE82875)	1.86	1.86	1.81	1.57	1.56	1.49	1.29	1.31	1.43	1.52	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.83	1.89	1.89	1.65	1.76	1.26	1.53	1.55	1.41	1.48	1.78	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.47	1.57	1.39	1.02	1.07	0.69	0.72	0.77	0.80	0.81	1.08	1.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.42	1.66	1.43	1.11	1.39	0.76	0.73	0.73	0.83	0.85	1.05	1.35
USGS 07380335 - Little Lake Near Cutoff	1.32	1.59	1.35	1.09	1.24	0.72	0.66	0.65	0.77	0.76	0.97	1.24
USGS073802516 Barataria Pass at Grand Isle	1.32	1.47	1.17	0.93	0.84	0.67	0.61	0.60	0.70	0.72	0.90	1.16
HWQ14 - Lake Washington	1.37	1.43	1.13	0.82	0.71	0.60	0.62	0.64	0.71	0.73	0.90	1.19
HWQ16 - Bayou Grand Liard	1.09	1.35	1.16	1.01	0.91	0.79	0.65	0.68	0.74	0.68	0.83	1.06
CRMS 3985	1.52	1.47	1.19	0.81	0.76	0.67	0.74	0.79	0.85	0.84	1.04	1.37
CRMS 0258	1.47	1.55	1.20	0.97	1.15	0.79	0.74	0.78	0.72	0.75	1.22	1.36
CRMS 0224	1.46	1.56	1.23	1.02	1.04	0.74	0.71	0.73	0.77	0.81	1.14	1.30
CRMS 0163	1.86	1.83	1.80	1.65	1.58	1.57	1.42	1.47	1.73	1.83	1.94	1.90
CRMS 0162	1.93	1.91	1.92	1.87	1.81	1.83	1.91	1.81	1.67	1.92	1.88	1.94

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.65	0.75	1.11	1.30	1.33	1.30	1.28	1.26	1.23	1.16	0.97	0.82
CRMS0276 - Just east of Wilkinson Canal	0.04	0.02	-0.05	0.02	-0.01	-0.01	0.03	0.03	0.03	0.01	0.02	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.79	1.15	1.07	1.17	0.71	0.95	0.92	0.78	0.83	0.92	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.17	0.20	0.30	0.42	0.07	0.02	0.02	-0.07	-0.04	0.05	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.39	0.39	0.43	0.78	0.19	0.14	0.15	0.14	0.14	0.19	0.24
USGS 07380335 - Little Lake Near Cutoff	0.11	0.33	0.30	0.35	0.61	0.15	0.08	0.08	0.08	0.07	0.14	0.17
USGS073802516 Barataria Pass at Grand Isle	0.05	0.20	0.12	0.22	0.22	0.10	0.04	0.05	0.04	0.04	0.07	0.10
HWQ14 - Lake Washington	-0.02	0.07	0.00	0.11	0.09	0.03	-0.02	0.00	-0.05	-0.04	-0.04	-0.04
HWQ16 - Bayou Grand Liard	0.03	0.09	0.03	0.09	0.07	0.05	0.03	0.04	0.04	0.01	0.02	0.03
CRMS 3985	-0.06	-0.04	-0.18	-0.05	-0.02	-0.06	-0.19	-0.18	-0.19	-0.20	-0.18	-0.12
CRMS 0258	0.32	0.30	0.34	0.18	0.26	0.08	0.09	0.12	0.08	0.07	0.12	0.15
CRMS 0224	0.28	0.40	0.42	0.36	0.43	0.17	0.17	0.18	0.11	0.15	0.29	0.29
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00

Figure WQ TOTN 18 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.37	1.34	1.02	0.67	0.67	0.63	0.66	0.72	0.65	0.68	0.89	1.06
CRMS0276 - Just east of Wilkinson Canal	1.37	1.67	1.59	1.47	1.38	1.38	1.04	1.07	1.33	1.15	1.07	1.21
Barataria Waterway at Lafitte (USACE82875)	1.88	1.85	1.88	1.79	1.67	1.65	1.56	1.55	1.59	1.56	1.84	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.29	1.34	0.89	0.64	0.70	0.66	0.62	0.66	0.67	0.67	0.90	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.60	0.61	0.72	0.69	0.78	0.75	0.97	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.33	1.05	0.70	0.62	0.59	0.62	0.63	0.70	0.70	0.84	1.06
USGS 07380335 - Little Lake Near Cutoff	1.24	1.36	1.13	0.82	0.69	0.63	0.64	0.73	0.78	0.74	0.82	0.99
USGS073802516 Barataria Pass at Grand Isle	1.27	1.33	1.06	0.75	0.67	0.63	0.63	0.69	0.71	0.70	0.80	1.00
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.57	0.67	0.60	0.72	0.70	0.89	1.18
HWQ16 - Bayou Grand Liard	1.15	1.40	1.29	1.09	1.00	0.97	0.92	1.03	0.96	0.80	0.74	0.92
CRMS 3985	1.51	1.45	1.19	0.69	0.62	0.68	0.96	0.86	0.91	0.86	1.15	1.45
CRMS 0258	1.38	1.55	1.37	0.97	1.05	1.10	1.10	1.16	0.99	0.83	1.18	1.29
CRMS 0224	1.25	1.38	0.99	0.78	0.75	0.73	0.65	0.65	0.73	0.74	0.92	1.03
CRMS 0163	1.83	1.80	1.86	1.80	1.73	1.65	1.55	1.63	1.83	1.85	1.95	1.90
CRMS 0162	1.91	1.92	1.96	1.95	1.94	1.90	1.93	1.93	1.93	1.94	1.88	1.95

V3PR5 HYST - cy 0 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	1.99	1.99	2.00	2.00	1.99	1.94	1.87	1.89	1.98	1.94
CRMS0276 - Just east of Wilkinson Canal	1.53	1.69	1.60	1.48	1.34	1.35	1.25	1.22	1.34	1.17	1.11	1.22
Barataria Waterway at Lafitte (USACE82875)	1.88	1.84	1.88	1.76	1.65	1.64	1.54	1.53	1.59	1.55	1.84	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.92	1.96	1.95	1.97	1.98	1.97	1.70	1.40	1.53	1.93	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.65	1.69	1.73	1.61	1.53	1.34	1.26	1.13	0.90	0.92	1.21	1.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.73	1.80	1.84	1.78	1.73	1.75	1.71	1.38	0.97	0.97	1.17	1.41
USGS 07380335 - Little Lake Near Cutoff	1.66	1.76	1.80	1.69	1.60	1.61	1.57	1.32	0.97	0.91	1.07	1.27
USGS073802516 Barataria Pass at Grand Isle	1.54	1.60	1.52	1.29	1.12	1.01	1.02	1.02	0.87	0.85	1.01	1.21
HWQ14 - Lake Washington	1.45	1.48	1.35	1.08	0.92	0.82	0.80	0.80	0.77	0.79	1.00	1.25
HWQ16 - Bayou Grand Liard	1.33	1.57	1.51	1.34	1.23	1.20	1.11	1.10	1.02	0.84	0.80	0.98
CRMS 3985	1.49	1.50	1.40	1.13	1.02	0.94	0.92	0.94	0.83	0.84	1.07	1.40
CRMS 0258	1.72	1.72	1.78	1.62	1.43	1.47	1.54	1.46	1.31	1.05	1.53	1.52
CRMS 0224	1.71	1.72	1.77	1.58	1.41	1.45	1.50	1.31	1.06	1.01	1.37	1.42
CRMS 0163	1.83	1.80	1.86	1.78	1.72	1.65	1.54	1.63	1.84	1.85	1.94	1.90
CRMS 0162	1.91	1.92	1.96	1.94	1.93	1.90	1.93	1.93	1.93	1.94	1.88	1.95

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.61	0.65	0.97	1.32	1.33	1.37	1.33	1.21	1.22	1.21	1.09	0.88
CRMS0276 - Just east of Wilkinson Canal	0.16	0.02	0.01	0.01	-0.04	-0.03	0.22	0.15	0.01	0.01	0.04	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.03	-0.02	-0.01	-0.02	-0.02	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.60	0.57	1.06	1.31	1.28	1.32	1.35	1.05	0.74	0.85	1.04	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.31	0.62	0.95	0.93	0.73	0.54	0.45	0.12	0.17	0.24	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.47	0.79	1.08	1.12	1.15	1.09	0.75	0.27	0.28	0.33	0.36
USGS 07380335 - Little Lake Near Cutoff	0.42	0.40	0.67	0.87	0.91	0.98	0.94	0.59	0.19	0.17	0.25	0.28
USGS073802516 Barataria Pass at Grand Isle	0.28	0.27	0.46	0.53	0.46	0.38	0.39	0.33	0.16	0.16	0.20	0.20
HWQ14 - Lake Washington	0.09	0.16	0.32	0.46	0.35	0.25	0.13	0.19	0.05	0.10	0.11	0.07
HWQ16 - Bayou Grand Liard	0.18	0.17	0.21	0.25	0.23	0.22	0.19	0.07	0.06	0.04	0.06	0.06
CRMS 3985	-0.02	0.05	0.21	0.45	0.40	0.25	-0.04	0.08	-0.08	-0.02	-0.07	-0.05
CRMS 0258	0.34	0.18	0.41	0.64	0.38	0.36	0.43	0.31	0.32	0.22	0.35	0.23
CRMS 0224	0.46	0.34	0.78	0.81	0.66	0.72	0.86	0.66	0.33	0.28	0.45	0.39
CRMS 0163	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTN 19 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.30	1.03	0.67	0.66	0.62	0.66	0.72	0.65	0.67	0.86	1.09
CRMS0276 - Just east of Wilkinson Canal	1.42	1.52	1.48	1.49	1.55	1.51	1.10	1.05	1.28	1.06	1.01	1.46
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.82	1.79	1.77	1.74	1.56	1.50	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.33	0.91	0.65	0.70	0.68	0.64	0.66	0.65	0.65	0.86	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.41	1.41	1.21	0.68	0.59	0.59	0.64	0.68	0.79	0.76	0.94	1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.30	1.09	0.72	0.63	0.61	0.61	0.63	0.69	0.69	0.79	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.28	1.11	0.85	0.74	0.68	0.67	0.73	0.76	0.71	0.76	1.04
USGS073802516 Barataria Pass at Grand Isle	1.28	1.27	1.08	0.77	0.71	0.69	0.66	0.70	0.71	0.68	0.75	1.03
HWQ14 - Lake Washington	1.34	1.35	1.15	0.65	0.56	0.56	0.60	0.62	0.72	0.70	0.86	1.16
HWQ16 - Bayou Grand Liard	1.17	1.22	1.21	1.12	1.15	1.13	1.01	1.01	0.93	0.72	0.70	1.09
CRMS 3985	1.52	1.53	1.36	0.72	0.61	0.63	0.72	0.78	0.92	0.89	1.12	1.40
CRMS 0258	1.45	1.49	1.32	0.98	1.03	1.10	1.12	1.15	0.92	0.79	1.12	1.40
CRMS 0224	1.31	1.33	0.98	0.80	0.78	0.77	0.67	0.66	0.72	0.71	0.86	1.08
CRMS 0163	1.93	1.93	1.76	1.78	1.80	1.79	1.51	1.60	1.83	1.83	1.96	1.84
CRMS 0162	1.96	1.95	1.91	1.94	1.97	1.95	1.95	1.94	1.93	1.94	1.89	1.91

V3PR5 HYST - cy 0 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.04	1.99	1.98	1.99	2.04	2.02	2.00	1.92	1.88	1.91	1.96	1.98
CRMS0276 - Just east of Wilkinson Canal	1.56	1.55	1.50	1.46	1.46	1.46	1.30	1.15	1.31	1.08	1.06	1.50
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.81	1.77	1.76	1.73	1.53	1.50	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	2.21	2.03	1.90	1.94	2.00	2.00	1.99	1.60	1.47	1.57	1.94	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.53	1.62	1.61	1.63	1.53	1.27	0.94	0.88	0.91	1.20	1.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.64	1.57	1.73	1.77	1.83	1.83	1.73	1.03	0.96	0.97	1.15	1.77
USGS 07380335 - Little Lake Near Cutoff	1.56	1.50	1.68	1.68	1.73	1.71	1.60	1.02	0.94	0.88	1.02	1.71
USGS073802516 Barataria Pass at Grand Isle	1.50	1.43	1.43	1.27	1.21	1.10	1.06	0.91	0.85	0.83	0.97	1.48
HWQ14 - Lake Washington	1.43	1.42	1.33	1.07	1.00	0.91	0.83	0.76	0.76	0.80	0.99	1.34
HWQ16 - Bayou Grand Liard	1.27	1.28	1.41	1.34	1.39	1.33	1.17	1.04	0.99	0.77	0.75	1.33
CRMS 3985	1.48	1.51	1.43	1.14	1.14	1.11	0.95	0.90	0.83	0.86	1.07	1.44
CRMS 0258	1.93	1.77	1.64	1.59	1.54	1.56	1.54	1.39	1.19	0.97	1.46	1.71
CRMS 0224	1.82	1.66	1.62	1.57	1.54	1.55	1.52	1.11	0.99	0.97	1.32	1.70
CRMS 0163	1.93	1.93	1.76	1.77	1.80	1.77	1.50	1.60	1.83	1.83	1.95	1.84
CRMS 0162	1.95	1.95	1.90	1.93	1.97	1.94	1.95	1.93	1.93	1.93	1.89	1.91

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.70	0.95	1.32	1.39	1.39	1.34	1.19	1.23	1.24	1.11	0.89
CRMS0276 - Just east of Wilkinson Canal	0.14	0.03	0.02	-0.02	-0.09	-0.05	0.20	0.10	0.03	0.02	0.04	0.04
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.03	0.00	0.00	0.00	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.89	0.70	0.99	1.29	1.30	1.32	1.35	0.94	0.82	0.92	1.08	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.13	0.41	0.93	1.05	0.94	0.63	0.26	0.09	0.16	0.26	0.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.34	0.27	0.64	1.05	1.19	1.22	1.13	0.40	0.27	0.28	0.36	0.70
USGS 07380335 - Little Lake Near Cutoff	0.29	0.22	0.57	0.83	0.99	1.04	0.93	0.29	0.18	0.17	0.27	0.66
USGS073802516 Barataria Pass at Grand Isle	0.21	0.16	0.35	0.50	0.51	0.41	0.39	0.21	0.14	0.15	0.22	0.44
HWQ14 - Lake Washington	0.08	0.07	0.18	0.42	0.44	0.36	0.24	0.14	0.04	0.10	0.13	0.19
HWQ16 - Bayou Grand Liard	0.10	0.06	0.20	0.22	0.24	0.20	0.16	0.03	0.06	0.05	0.06	0.25
CRMS 3985	-0.03	-0.02	0.08	0.42	0.53	0.48	0.23	0.12	-0.09	-0.03	-0.05	0.03
CRMS 0258	0.48	0.28	0.31	0.61	0.50	0.46	0.42	0.24	0.28	0.19	0.34	0.31
CRMS 0224	0.51	0.33	0.64	0.77	0.75	0.78	0.85	0.45	0.27	0.26	0.46	0.62
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.02	-0.01	0.00	0.00	0.00	-0.01	0.00
CRMS 0162	-0.01	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00

Figure WQ TOTN 20 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.23	0.99	0.66	0.63	0.60	0.61	0.66	0.64	0.67	0.88	0.98
CRMS0276 - Just east of Wilkinson Canal	1.28	1.51	1.45	1.33	1.40	1.29	0.91	0.84	1.06	1.07	1.15	1.29
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.82	1.69	1.68	1.58	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.13	0.79	0.59	0.63	0.61	0.60	0.63	0.63	0.65	0.87	0.90
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.40	1.19	0.72	0.60	0.61	0.71	0.74	0.82	0.82	1.00	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.28	1.05	0.68	0.61	0.58	0.61	0.60	0.70	0.70	0.87	1.08
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.07	0.76	0.69	0.61	0.62	0.61	0.73	0.71	0.85	1.03
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.72	0.66	0.62	0.61	0.59	0.69	0.69	0.83	1.04
HWQ14 - Lake Washington	1.38	1.35	1.12	0.68	0.57	0.57	0.65	0.63	0.74	0.75	0.92	1.20
HWQ16 - Bayou Grand Liard	1.09	1.23	1.18	0.99	1.03	0.91	0.78	0.72	0.80	0.74	0.81	0.95
CRMS 3985	1.54	1.52	1.33	0.81	0.63	0.70	0.95	0.96	0.98	0.98	1.19	1.49
CRMS 0258	1.24	1.26	1.18	0.89	0.95	1.05	0.91	0.79	0.73	0.77	1.08	1.07
CRMS 0224	1.18	1.18	0.87	0.68	0.69	0.67	0.60	0.58	0.69	0.69	0.89	0.99
CRMS 0163	1.84	1.89	1.78	1.72	1.73	1.57	1.40	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.91	1.90	1.90	1.88	1.93	1.90	1.79	1.92	1.88	1.97

V3PR6 HYST - cy 0 - 1970 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	1.99	1.99	2.00	2.00	1.93	1.92	1.87	1.83	1.90	1.95
CRMS0276 - Just east of Wilkinson Canal	1.48	1.53	1.49	1.39	1.50	1.35	1.04	0.90	1.09	1.09	1.19	1.32
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.80	1.63	1.65	1.56	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	2.02	1.99	1.95	1.97	1.98	1.99	1.72	1.68	1.54	1.57	1.86	1.91
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.60	1.71	1.68	1.76	1.52	0.90	0.87	0.87	0.88	1.13	1.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.70	1.71	1.82	1.83	1.88	1.82	1.05	0.84	0.91	0.92	1.12	1.38
USGS 07380335 - Little Lake Near Cutoff	1.61	1.64	1.77	1.75	1.82	1.71	1.04	0.76	0.86	0.84	1.04	1.26
USGS073802516 Barataria Pass at Grand Isle	1.51	1.51	1.50	1.30	1.33	1.10	0.86	0.71	0.78	0.79	0.97	1.19
HWQ14 - Lake Washington	1.45	1.44	1.35	1.10	1.18	0.93	0.75	0.71	0.77	0.79	0.97	1.23
HWQ16 - Bayou Grand Liard	1.27	1.36	1.47	1.39	1.50	1.26	0.90	0.77	0.84	0.77	0.85	1.00
CRMS 3985	1.51	1.49	1.42	1.28	1.46	1.09	0.87	0.87	0.88	0.89	1.08	1.41
CRMS 0258	1.68	1.64	1.72	1.68	1.71	1.52	1.10	0.98	0.87	0.86	1.27	1.29
CRMS 0224	1.69	1.66	1.70	1.65	1.72	1.49	1.00	0.84	0.86	0.89	1.22	1.35
CRMS 0163	1.84	1.88	1.78	1.68	1.70	1.57	1.42	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.90	1.88	1.87	1.86	1.92	1.89	1.78	1.92	1.89	1.97

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.66	0.77	1.00	1.34	1.37	1.40	1.31	1.26	1.23	1.16	1.02	0.97
CRMS0276 - Just east of Wilkinson Canal	0.20	0.03	0.04	0.06	0.10	0.07	0.14	0.07	0.03	0.01	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.02	-0.05	-0.04	-0.03	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.80	0.86	1.16	1.37	1.35	1.38	1.12	1.05	0.90	0.92	0.98	1.01
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.20	0.52	0.96	1.16	0.91	0.19	0.13	0.05	0.06	0.14	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.42	0.43	0.77	1.15	1.27	1.24	0.44	0.24	0.21	0.22	0.25	0.30
USGS 07380335 - Little Lake Near Cutoff	0.39	0.38	0.71	0.99	1.13	1.10	0.42	0.14	0.13	0.13	0.18	0.23
USGS073802516 Barataria Pass at Grand Isle	0.25	0.24	0.44	0.58	0.67	0.49	0.24	0.12	0.09	0.11	0.14	0.15
HWQ14 - Lake Washington	0.07	0.09	0.22	0.42	0.61	0.36	0.10	0.08	0.03	0.05	0.04	0.03
HWQ16 - Bayou Grand Liard	0.18	0.13	0.29	0.40	0.47	0.35	0.12	0.06	0.03	0.03	0.04	0.06
CRMS 3985	-0.03	-0.04	0.09	0.46	0.82	0.40	-0.08	-0.09	-0.11	-0.09	-0.11	-0.08
CRMS 0258	0.43	0.38	0.54	0.79	0.75	0.47	0.19	0.19	0.14	0.09	0.19	0.22
CRMS 0224	0.51	0.48	0.83	0.98	1.02	0.82	0.40	0.25	0.17	0.19	0.33	0.36
CRMS 0163	0.00	0.00	-0.01	-0.04	-0.02	0.00	0.02	0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	-0.01	-0.01	-0.02	-0.03	-0.02	-0.01	0.00	-0.01	0.00	0.00	0.00

Figure WQ TOTN 21 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.36	1.31	0.98	0.67	0.67	0.63	0.64	0.68	0.64	0.65	0.83	1.06
CRMS0276 - Just east of Wilkinson Canal	1.39	1.63	1.62	1.53	1.54	1.28	0.94	0.92	1.13	0.95	1.00	1.37
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.82	1.83	1.77	1.56	1.46	1.48	1.56	1.50	1.85	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.29	0.85	0.65	0.71	0.69	0.63	0.65	0.61	0.62	0.81	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.59	0.59	0.64	0.71	0.81	0.77	0.96	1.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.31	1.05	0.72	0.64	0.60	0.60	0.63	0.68	0.67	0.78	1.05
USGS 07380335 - Little Lake Near Cutoff	1.25	1.32	1.13	0.86	0.75	0.64	0.63	0.68	0.73	0.67	0.74	1.01
USGS073802516 Barataria Pass at Grand Isle	1.27	1.30	1.07	0.78	0.73	0.66	0.62	0.65	0.69	0.65	0.75	1.01
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.56	0.60	0.66	0.73	0.70	0.88	1.17
HWQ16 - Bayou Grand Liard	1.14	1.35	1.33	1.15	1.16	0.92	0.82	0.85	0.85	0.65	0.70	1.00
CRMS 3985	1.52	1.47	1.21	0.68	0.61	0.64	0.73	0.84	0.95	0.92	1.17	1.44
CRMS 0258	1.42	1.52	1.31	0.99	1.06	1.10	0.95	0.82	0.72	0.69	0.98	1.28
CRMS 0224	1.27	1.34	0.97	0.82	0.81	0.76	0.64	0.63	0.68	0.66	0.80	1.01
CRMS 0163	1.86	1.81	1.79	1.82	1.82	1.63	1.52	1.60	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.94	1.96	1.97	1.92	1.94	1.91	1.87	1.88	1.88	1.92

V3PR6 HYST - cy 0 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	2.00	2.00	2.01	2.02	2.04	1.93	1.93	1.89	1.90	1.94	1.96
CRMS0276 - Just east of Wilkinson Canal	1.56	1.67	1.68	1.60	1.62	1.29	0.97	0.97	1.14	0.97	1.04	1.40
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.81	1.79	1.75	1.55	1.45	1.47	1.55	1.50	1.84	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.00	1.96	1.98	1.99	2.01	2.01	1.85	1.77	1.62	1.68	1.96	1.93
USGS7380251 Barataria Bay North of Grand Isle	1.65	1.78	1.83	1.84	1.84	1.13	0.87	0.91	0.89	0.90	1.16	1.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.73	1.86	1.90	1.92	1.94	1.34	0.96	0.91	0.97	0.96	1.12	1.61
USGS 07380335 - Little Lake Near Cutoff	1.69	1.82	1.86	1.87	1.90	1.29	0.86	0.83	0.91	0.85	1.00	1.50
USGS073802516 Barataria Pass at Grand Isle	1.56	1.64	1.63	1.49	1.47	1.08	0.76	0.76	0.81	0.80	0.95	1.33
HWQ14 - Lake Washington	1.45	1.54	1.53	1.36	1.32	0.92	0.70	0.73	0.77	0.81	0.97	1.28
HWQ16 - Bayou Grand Liard	1.33	1.63	1.69	1.62	1.63	1.17	0.85	0.90	0.89	0.69	0.76	1.17
CRMS 3985	1.52	1.62	1.67	1.58	1.58	0.98	0.81	0.86	0.86	0.89	1.08	1.42
CRMS 0258	1.75	1.75	1.79	1.82	1.81	1.24	1.07	1.01	0.87	0.84	1.23	1.55
CRMS 0224	1.76	1.76	1.80	1.85	1.84	1.22	0.96	0.92	0.91	0.92	1.25	1.54
CRMS 0163	1.86	1.81	1.79	1.80	1.80	1.61	1.52	1.60	1.81	1.81	1.95	1.89
CRMS 0162	1.92	1.91	1.93	1.95	1.97	1.91	1.94	1.91	1.87	1.87	1.88	1.92

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.62	0.69	1.02	1.34	1.35	1.41	1.29	1.26	1.25	1.25	1.11	0.90
CRMS0276 - Just east of Wilkinson Canal	0.17	0.04	0.06	0.07	0.08	0.00	0.04	0.05	0.01	0.03	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.04	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.67	1.12	1.34	1.29	1.32	1.21	1.12	1.01	1.07	1.15	1.00
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.39	0.72	1.18	1.25	0.54	0.23	0.20	0.08	0.14	0.20	0.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.56	0.85	1.20	1.30	0.74	0.36	0.28	0.28	0.29	0.34	0.56
USGS 07380335 - Little Lake Near Cutoff	0.44	0.50	0.73	1.01	1.15	0.64	0.23	0.15	0.18	0.18	0.26	0.49
USGS073802516 Barataria Pass at Grand Isle	0.28	0.34	0.56	0.71	0.74	0.42	0.14	0.11	0.12	0.15	0.20	0.31
HWQ14 - Lake Washington	0.10	0.20	0.48	0.73	0.75	0.36	0.11	0.07	0.04	0.11	0.09	0.11
HWQ16 - Bayou Grand Liard	0.19	0.29	0.36	0.47	0.47	0.25	0.03	0.05	0.04	0.04	0.06	0.17
CRMS 3985	0.00	0.15	0.46	0.90	0.97	0.34	0.08	0.02	-0.10	-0.03	-0.09	-0.02
CRMS 0258	0.33	0.23	0.48	0.83	0.75	0.14	0.11	0.19	0.15	0.14	0.25	0.26
CRMS 0224	0.49	0.43	0.83	1.03	1.03	0.47	0.32	0.29	0.23	0.26	0.45	0.53
CRMS 0163	0.00	0.00	0.00	-0.01	-0.02	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00

Figure WQ TOTN 22 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.22	0.87	0.62	0.63	0.56	0.60	0.65	0.63	0.67	0.91	1.08
CRMS0276 - Just east of Wilkinson Canal	1.25	1.54	1.37	1.23	1.16	1.07	0.75	0.73	0.96	0.99	1.13	1.37
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.58	1.57	1.49	1.29	1.30	1.42	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.10	0.74	0.57	0.59	0.56	0.58	0.63	0.63	0.64	0.85	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.41	1.19	0.73	0.65	0.62	0.70	0.75	0.87	0.86	1.03	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.27	1.05	0.68	0.61	0.57	0.59	0.58	0.68	0.70	0.86	1.11
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.05	0.74	0.63	0.57	0.58	0.57	0.68	0.69	0.83	1.07
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.71	0.62	0.57	0.57	0.55	0.66	0.68	0.83	1.07
HWQ14 - Lake Washington	1.39	1.36	1.14	0.70	0.62	0.57	0.64	0.64	0.76	0.77	0.94	1.22
HWQ16 - Bayou Grand Liard	1.06	1.26	1.13	0.92	0.84	0.74	0.61	0.64	0.70	0.68	0.81	1.03
CRMS 3985	1.58	1.51	1.38	0.86	0.78	0.73	0.93	0.98	1.04	1.04	1.22	1.49
CRMS 0258	1.15	1.24	0.87	0.79	0.89	0.71	0.65	0.66	0.65	0.68	1.09	1.21
CRMS 0224	1.18	1.16	0.82	0.65	0.61	0.56	0.54	0.56	0.65	0.66	0.85	1.01
CRMS 0163	1.86	1.84	1.80	1.66	1.59	1.56	1.41	1.46	1.73	1.82	1.94	1.90
CRMS 0162	1.93	1.92	1.93	1.87	1.82	1.83	1.91	1.82	1.66	1.92	1.88	1.94

V3PR6 HYST - cy 0 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.99	1.99	1.94	1.97	1.87	1.88	1.91	1.86	1.82	1.87	1.90
CRMS0276 - Just east of Wilkinson Canal	1.29	1.57	1.32	1.26	1.17	1.07	0.78	0.75	0.98	1.00	1.15	1.36
Barataria Waterway at Lafitte (USACE82875)	1.86	1.86	1.81	1.56	1.55	1.49	1.29	1.30	1.43	1.52	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.84	1.97	1.97	1.81	1.86	1.37	1.61	1.60	1.49	1.55	1.79	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.48	1.65	1.47	1.13	1.29	0.71	0.73	0.78	0.81	0.81	1.08	1.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.43	1.75	1.54	1.23	1.58	0.78	0.74	0.74	0.83	0.84	1.05	1.35
USGS 07380335 - Little Lake Near Cutoff	1.33	1.69	1.46	1.21	1.48	0.75	0.67	0.65	0.77	0.76	0.97	1.24
USGS073802516 Barataria Pass at Grand Isle	1.33	1.53	1.25	1.03	0.96	0.70	0.62	0.60	0.70	0.71	0.90	1.17
HWQ14 - Lake Washington	1.38	1.46	1.18	0.91	0.78	0.62	0.63	0.65	0.72	0.73	0.90	1.19
HWQ16 - Bayou Grand Liard	1.08	1.41	1.22	1.09	1.04	0.82	0.65	0.65	0.73	0.69	0.83	1.05
CRMS 3985	1.52	1.50	1.25	0.90	0.87	0.69	0.75	0.81	0.86	0.85	1.05	1.37
CRMS 0258	1.48	1.62	1.33	1.11	1.31	0.81	0.75	0.79	0.73	0.74	1.19	1.37
CRMS 0224	1.47	1.64	1.37	1.17	1.22	0.76	0.73	0.74	0.76	0.80	1.12	1.31
CRMS 0163	1.85	1.83	1.80	1.65	1.57	1.56	1.41	1.45	1.73	1.83	1.94	1.90
CRMS 0162	1.93	1.91	1.92	1.87	1.80	1.83	1.91	1.81	1.65	1.92	1.88	1.94

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.65	0.76	1.12	1.32	1.34	1.31	1.28	1.26	1.23	1.15	0.96	0.82
CRMS0276 - Just east of Wilkinson Canal	0.04	0.03	-0.05	0.03	0.01	0.00	0.04	0.02	0.02	0.01	0.02	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.01	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.66	0.86	1.23	1.24	1.26	0.81	1.03	0.98	0.86	0.91	0.93	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.24	0.28	0.40	0.64	0.09	0.03	0.03	-0.06	-0.04	0.05	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.48	0.49	0.55	0.97	0.21	0.15	0.15	0.15	0.13	0.19	0.24
USGS 07380335 - Little Lake Near Cutoff	0.11	0.43	0.41	0.47	0.85	0.17	0.10	0.08	0.09	0.07	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.05	0.27	0.20	0.32	0.34	0.12	0.05	0.05	0.04	0.04	0.07	0.10
HWQ14 - Lake Washington	-0.02	0.10	0.04	0.20	0.16	0.05	-0.01	0.01	-0.04	-0.04	-0.04	-0.04
HWQ16 - Bayou Grand Liard	0.02	0.15	0.09	0.17	0.20	0.08	0.04	0.02	0.03	0.02	0.02	0.03
CRMS 3985	-0.05	-0.02	-0.13	0.04	0.09	-0.04	-0.18	-0.17	-0.17	-0.19	-0.17	-0.12
CRMS 0258	0.33	0.38	0.47	0.33	0.42	0.10	0.10	0.13	0.08	0.06	0.10	0.15
CRMS 0224	0.29	0.48	0.55	0.51	0.61	0.20	0.18	0.18	0.11	0.14	0.27	0.30
CRMS 0163	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	-0.01	0.00	0.01	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00

Figure WQ TOTN 23 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.37	1.34	1.02	0.67	0.67	0.63	0.66	0.72	0.65	0.68	0.89	1.06
CRMS0276 - Just east of Wilkinson Canal	1.37	1.67	1.59	1.47	1.38	1.38	1.04	1.07	1.33	1.15	1.07	1.21
Barataria Waterway at Lafitte (USACE82875)	1.88	1.85	1.88	1.79	1.67	1.65	1.56	1.55	1.59	1.56	1.84	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.29	1.34	0.89	0.64	0.70	0.66	0.62	0.66	0.67	0.67	0.90	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.60	0.61	0.72	0.69	0.78	0.75	0.97	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.33	1.05	0.70	0.62	0.59	0.62	0.63	0.70	0.70	0.84	1.06
USGS 07380335 - Little Lake Near Cutoff	1.24	1.36	1.13	0.82	0.69	0.63	0.64	0.73	0.78	0.74	0.82	0.99
USGS073802516 Barataria Pass at Grand Isle	1.27	1.33	1.06	0.75	0.67	0.63	0.63	0.69	0.71	0.70	0.80	1.00
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.57	0.67	0.60	0.72	0.70	0.89	1.18
HWQ16 - Bayou Grand Liard	1.15	1.40	1.29	1.09	1.00	0.97	0.92	1.03	0.96	0.80	0.74	0.92
CRMS 3985	1.51	1.45	1.19	0.69	0.62	0.68	0.96	0.86	0.91	0.86	1.15	1.45
CRMS 0258	1.38	1.55	1.37	0.97	1.05	1.10	1.10	1.16	0.99	0.83	1.18	1.29
CRMS 0224	1.25	1.38	0.99	0.78	0.75	0.73	0.65	0.65	0.73	0.74	0.92	1.03
CRMS 0163	1.83	1.80	1.86	1.80	1.73	1.65	1.55	1.63	1.83	1.85	1.95	1.90
CRMS 0162	1.91	1.92	1.96	1.95	1.94	1.90	1.93	1.93	1.93	1.94	1.88	1.95

V3PR6 HYST - cy 0 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	2.00	1.94	1.87	1.88	1.98	1.94
CRMS0276 - Just east of Wilkinson Canal	1.60	1.71	1.70	1.56	1.47	1.49	1.49	1.40	1.37	1.18	1.12	1.23
Barataria Waterway at Lafitte (USACE82875)	1.88	1.84	1.87	1.74	1.63	1.62	1.52	1.52	1.59	1.55	1.85	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.94	1.97	1.98	1.99	2.00	2.00	1.99	1.77	1.51	1.61	1.96	1.91
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.80	1.86	1.80	1.75	1.71	1.65	1.29	0.93	0.94	1.23	1.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.81	1.87	1.92	1.90	1.88	1.90	1.87	1.50	0.99	0.98	1.19	1.44
USGS 07380335 - Little Lake Near Cutoff	1.77	1.84	1.89	1.85	1.81	1.82	1.79	1.50	0.98	0.92	1.08	1.29
USGS073802516 Barataria Pass at Grand Isle	1.61	1.66	1.65	1.44	1.32	1.25	1.20	1.14	0.90	0.87	1.02	1.23
HWQ14 - Lake Washington	1.51	1.57	1.51	1.29	1.15	1.09	1.00	0.91	0.82	0.82	1.03	1.28
HWQ16 - Bayou Grand Liard	1.46	1.68	1.66	1.55	1.45	1.40	1.29	1.22	1.04	0.84	0.80	0.99
CRMS 3985	1.58	1.65	1.66	1.51	1.39	1.34	1.23	1.11	0.89	0.87	1.10	1.42
CRMS 0258	1.75	1.77	1.86	1.79	1.68	1.69	1.72	1.52	1.32	1.06	1.53	1.53
CRMS 0224	1.75	1.78	1.87	1.81	1.70	1.68	1.68	1.40	1.05	1.00	1.36	1.46
CRMS 0163	1.82	1.80	1.86	1.77	1.70	1.65	1.54	1.62	1.84	1.85	1.95	1.90
CRMS 0162	1.90	1.92	1.96	1.94	1.92	1.89	1.93	1.92	1.92	1.94	1.88	1.95

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.62	0.66	0.98	1.33	1.34	1.38	1.34	1.22	1.22	1.20	1.09	0.88
CRMS0276 - Just east of Wilkinson Canal	0.23	0.04	0.10	0.09	0.09	0.11	0.46	0.33	0.04	0.02	0.05	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.05	-0.04	-0.03	-0.04	-0.02	0.00	-0.01	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.65	0.62	1.09	1.35	1.31	1.34	1.37	1.11	0.84	0.93	1.06	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.32	0.42	0.75	1.14	1.15	1.11	0.93	0.60	0.15	0.18	0.26	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.53	0.55	0.87	1.19	1.26	1.31	1.25	0.87	0.29	0.29	0.35	0.38
USGS 07380335 - Little Lake Near Cutoff	0.53	0.48	0.76	1.02	1.12	1.19	1.15	0.77	0.21	0.18	0.26	0.31
USGS073802516 Barataria Pass at Grand Isle	0.34	0.34	0.59	0.69	0.65	0.62	0.57	0.45	0.18	0.17	0.22	0.23
HWQ14 - Lake Washington	0.14	0.24	0.47	0.66	0.59	0.52	0.33	0.31	0.10	0.13	0.14	0.11
HWQ16 - Bayou Grand Liard	0.31	0.28	0.37	0.47	0.45	0.43	0.37	0.19	0.09	0.04	0.06	0.07
CRMS 3985	0.07	0.20	0.48	0.82	0.77	0.66	0.27	0.25	-0.02	0.01	-0.05	-0.03
CRMS 0258	0.37	0.22	0.49	0.81	0.63	0.59	0.62	0.36	0.33	0.23	0.34	0.25
CRMS 0224	0.51	0.40	0.88	1.03	0.95	0.95	1.03	0.75	0.32	0.27	0.44	0.42
CRMS 0163	0.00	0.00	-0.01	-0.03	-0.03	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00

Figure WQ TOTN 24 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.30	1.03	0.67	0.66	0.62	0.66	0.72	0.65	0.67	0.86	1.09
CRMS0276 - Just east of Wilkinson Canal	1.42	1.52	1.48	1.49	1.55	1.51	1.10	1.05	1.28	1.06	1.01	1.46
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.82	1.79	1.77	1.74	1.56	1.50	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.33	0.91	0.65	0.70	0.68	0.64	0.66	0.65	0.65	0.86	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.41	1.41	1.21	0.68	0.59	0.59	0.64	0.68	0.79	0.76	0.94	1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.30	1.09	0.72	0.63	0.61	0.61	0.63	0.69	0.69	0.79	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.28	1.11	0.85	0.74	0.68	0.67	0.73	0.76	0.71	0.76	1.04
USGS073802516 Barataria Pass at Grand Isle	1.28	1.27	1.08	0.77	0.71	0.69	0.66	0.70	0.71	0.68	0.75	1.03
HWQ14 - Lake Washington	1.34	1.35	1.15	0.65	0.56	0.56	0.60	0.62	0.72	0.70	0.86	1.16
HWQ16 - Bayou Grand Liard	1.17	1.22	1.21	1.12	1.15	1.13	1.01	1.01	0.93	0.72	0.70	1.09
CRMS 3985	1.52	1.53	1.36	0.72	0.61	0.63	0.72	0.78	0.92	0.89	1.12	1.40
CRMS 0258	1.45	1.49	1.32	0.98	1.03	1.10	1.12	1.15	0.92	0.79	1.12	1.40
CRMS 0224	1.31	1.33	0.98	0.80	0.78	0.77	0.67	0.66	0.72	0.71	0.86	1.08
CRMS 0163	1.93	1.93	1.76	1.78	1.80	1.79	1.51	1.60	1.83	1.83	1.96	1.84
CRMS 0162	1.96	1.95	1.91	1.94	1.97	1.95	1.95	1.94	1.93	1.94	1.89	1.91

V3PR6 HYST - cy 0 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.09	2.02	1.99	2.00	2.03	2.02	2.00	1.93	1.88	1.91	1.97	1.99
CRMS0276 - Just east of Wilkinson Canal	1.62	1.56	1.58	1.54	1.59	1.62	1.51	1.21	1.31	1.09	1.07	1.60
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.81	1.74	1.73	1.72	1.51	1.50	1.57	1.52	1.83	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	2.33	2.13	1.95	1.98	2.01	2.01	2.00	1.71	1.57	1.65	1.97	1.95
USGS7380251 Barataria Bay North of Grand Isle	1.73	1.62	1.74	1.80	1.81	1.82	1.67	0.99	0.91	0.94	1.23	1.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.77	1.67	1.82	1.89	1.92	1.94	1.89	1.14	1.00	0.99	1.18	1.85
USGS 07380335 - Little Lake Near Cutoff	1.67	1.59	1.78	1.84	1.87	1.89	1.81	1.14	0.97	0.90	1.05	1.80
USGS073802516 Barataria Pass at Grand Isle	1.59	1.51	1.53	1.44	1.44	1.43	1.28	1.01	0.87	0.85	1.00	1.55
HWQ14 - Lake Washington	1.51	1.48	1.44	1.29	1.30	1.29	1.10	0.83	0.80	0.83	1.02	1.43
HWQ16 - Bayou Grand Liard	1.32	1.30	1.54	1.56	1.60	1.55	1.36	1.09	1.00	0.78	0.77	1.49
CRMS 3985	1.54	1.55	1.58	1.52	1.55	1.54	1.32	0.99	0.87	0.89	1.10	1.56
CRMS 0258	2.09	1.87	1.71	1.78	1.77	1.78	1.71	1.28	1.12	0.96	1.44	1.75
CRMS 0224	1.98	1.79	1.71	1.80	1.80	1.82	1.67	1.10	0.98	0.98	1.33	1.75
CRMS 0163	1.92	1.93	1.76	1.75	1.77	1.75	1.50	1.61	1.82	1.82	1.95	1.84
CRMS 0162	1.94	1.95	1.90	1.92	1.95	1.94	1.94	1.93	1.93	1.93	1.89	1.90

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.72	0.97	1.33	1.37	1.40	1.34	1.20	1.23	1.24	1.11	0.90
CRMS0276 - Just east of Wilkinson Canal	0.20	0.05	0.10	0.06	0.05	0.10	0.41	0.16	0.03	0.04	0.06	0.14
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	-0.05	-0.04	-0.02	-0.05	0.00	0.00	0.00	0.00	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	1.02	0.80	1.04	1.33	1.31	1.34	1.36	1.05	0.92	1.00	1.10	0.96
USGS7380251 Barataria Bay North of Grand Isle	0.31	0.21	0.53	1.12	1.23	1.23	1.03	0.31	0.12	0.18	0.29	0.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.47	0.37	0.73	1.17	1.29	1.34	1.28	0.51	0.31	0.30	0.40	0.78
USGS 07380335 - Little Lake Near Cutoff	0.39	0.31	0.67	0.99	1.13	1.21	1.14	0.41	0.21	0.19	0.29	0.75
USGS073802516 Barataria Pass at Grand Isle	0.31	0.23	0.45	0.67	0.73	0.74	0.61	0.31	0.16	0.17	0.24	0.52
HWQ14 - Lake Washington	0.17	0.13	0.29	0.64	0.73	0.73	0.50	0.21	0.08	0.13	0.16	0.27
HWQ16 - Bayou Grand Liard	0.15	0.08	0.34	0.45	0.45	0.42	0.35	0.08	0.06	0.06	0.07	0.40
CRMS 3985	0.02	0.02	0.23	0.80	0.94	0.91	0.60	0.21	-0.04	0.00	-0.02	0.16
CRMS 0258	0.64	0.38	0.39	0.79	0.74	0.68	0.59	0.13	0.20	0.17	0.31	0.34
CRMS 0224	0.67	0.46	0.73	1.00	1.02	1.05	1.00	0.45	0.26	0.26	0.47	0.67
CRMS 0163	-0.01	-0.01	0.00	-0.03	-0.03	-0.03	-0.01	0.01	0.00	-0.01	-0.01	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01

Figure WQ TOTN 25 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.23	0.99	0.66	0.63	0.60	0.61	0.66	0.64	0.67	0.88	0.98
CRMS0276 - Just east of Wilkinson Canal	1.28	1.51	1.45	1.33	1.40	1.29	0.91	0.84	1.06	1.07	1.15	1.29
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.82	1.69	1.68	1.58	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.13	0.79	0.59	0.63	0.61	0.60	0.63	0.63	0.65	0.87	0.90
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.40	1.19	0.72	0.60	0.61	0.71	0.74	0.82	0.82	1.00	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.28	1.05	0.68	0.61	0.58	0.61	0.60	0.70	0.70	0.87	1.08
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.07	0.76	0.69	0.61	0.62	0.61	0.73	0.71	0.85	1.03
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.72	0.66	0.62	0.61	0.59	0.69	0.69	0.83	1.04
HWQ14 - Lake Washington	1.38	1.35	1.12	0.68	0.57	0.57	0.65	0.63	0.74	0.75	0.92	1.20
HWQ16 - Bayou Grand Liard	1.09	1.23	1.18	0.99	1.03	0.91	0.78	0.72	0.80	0.74	0.81	0.95
CRMS 3985	1.54	1.52	1.33	0.81	0.63	0.70	0.95	0.96	0.98	0.98	1.19	1.49
CRMS 0258	1.24	1.26	1.18	0.89	0.95	1.05	0.91	0.79	0.73	0.77	1.08	1.07
CRMS 0224	1.18	1.18	0.87	0.68	0.69	0.67	0.60	0.58	0.69	0.69	0.89	0.99
CRMS 0163	1.84	1.89	1.78	1.72	1.73	1.57	1.40	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.91	1.90	1.90	1.88	1.93	1.90	1.79	1.92	1.88	1.97

V3PR7 HYST - cy 0 - 1970 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	1.99	1.99	2.00	2.00	1.93	1.92	1.88	1.83	1.90	1.95
CRMS0276 - Just east of Wilkinson Canal	1.48	1.53	1.49	1.39	1.50	1.35	1.04	0.90	1.09	1.09	1.19	1.32
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.80	1.63	1.65	1.56	1.35	1.36	1.49	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	2.01	1.98	1.94	1.96	1.97	1.99	1.67	1.63	1.47	1.51	1.83	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.61	1.71	1.69	1.76	1.53	0.91	0.88	0.88	0.88	1.14	1.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.71	1.71	1.82	1.83	1.89	1.82	1.06	0.84	0.91	0.92	1.12	1.39
USGS 07380335 - Little Lake Near Cutoff	1.61	1.64	1.77	1.75	1.82	1.71	1.04	0.76	0.86	0.85	1.04	1.26
USGS073802516 Barataria Pass at Grand Isle	1.51	1.51	1.50	1.30	1.33	1.11	0.86	0.71	0.78	0.80	0.97	1.20
HWQ14 - Lake Washington	1.46	1.45	1.35	1.11	1.19	0.94	0.76	0.72	0.77	0.80	0.97	1.23
HWQ16 - Bayou Grand Liard	1.27	1.36	1.46	1.39	1.50	1.26	0.91	0.77	0.83	0.77	0.85	1.01
CRMS 3985	1.51	1.49	1.42	1.29	1.47	1.11	0.87	0.88	0.88	0.89	1.08	1.41
CRMS 0258	1.67	1.63	1.71	1.68	1.69	1.50	1.10	0.98	0.87	0.86	1.27	1.28
CRMS 0224	1.69	1.65	1.70	1.64	1.71	1.48	1.00	0.84	0.86	0.89	1.22	1.35
CRMS 0163	1.84	1.88	1.78	1.68	1.70	1.57	1.41	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.90	1.89	1.87	1.87	1.92	1.90	1.77	1.92	1.89	1.97

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.66	0.77	1.00	1.34	1.37	1.40	1.32	1.26	1.23	1.16	1.02	0.97
CRMS0276 - Just east of Wilkinson Canal	0.20	0.02	0.04	0.06	0.10	0.07	0.14	0.06	0.03	0.01	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.02	-0.06	-0.03	-0.03	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.79	0.85	1.15	1.36	1.34	1.38	1.07	1.01	0.83	0.86	0.96	1.00
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.21	0.52	0.97	1.17	0.92	0.20	0.14	0.05	0.07	0.14	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.42	0.43	0.77	1.15	1.28	1.24	0.45	0.24	0.21	0.22	0.26	0.30
USGS 07380335 - Little Lake Near Cutoff	0.40	0.38	0.71	0.99	1.14	1.10	0.42	0.14	0.13	0.13	0.19	0.23
USGS073802516 Barataria Pass at Grand Isle	0.25	0.24	0.45	0.57	0.66	0.49	0.25	0.12	0.09	0.11	0.14	0.16
HWQ14 - Lake Washington	0.07	0.09	0.23	0.42	0.63	0.38	0.11	0.09	0.03	0.06	0.05	0.03
HWQ16 - Bayou Grand Liard	0.18	0.13	0.29	0.40	0.47	0.34	0.12	0.05	0.03	0.03	0.04	0.06
CRMS 3985	-0.03	-0.03	0.09	0.48	0.84	0.41	-0.07	-0.09	-0.10	-0.09	-0.11	-0.08
CRMS 0258	0.43	0.37	0.53	0.78	0.74	0.45	0.19	0.19	0.13	0.09	0.19	0.22
CRMS 0224	0.50	0.47	0.83	0.96	1.01	0.81	0.40	0.26	0.18	0.20	0.33	0.36
CRMS 0163	0.00	0.00	0.00	-0.04	-0.03	0.00	0.01	0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	-0.01	-0.01	-0.01	-0.03	-0.02	-0.01	0.00	-0.01	0.00	0.01	0.00

Figure WQ TOTN 26 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.36	1.31	0.98	0.67	0.67	0.63	0.64	0.68	0.64	0.65	0.83	1.06
CRMS0276 - Just east of Wilkinson Canal	1.39	1.63	1.62	1.53	1.54	1.28	0.94	0.92	1.13	0.95	1.00	1.37
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.82	1.83	1.77	1.56	1.46	1.48	1.56	1.50	1.85	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.29	0.85	0.65	0.71	0.69	0.63	0.65	0.61	0.62	0.81	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.59	0.59	0.64	0.71	0.81	0.77	0.96	1.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.31	1.05	0.72	0.64	0.60	0.60	0.63	0.68	0.67	0.78	1.05
USGS 07380335 - Little Lake Near Cutoff	1.25	1.32	1.13	0.86	0.75	0.64	0.63	0.68	0.73	0.67	0.74	1.01
USGS073802516 Barataria Pass at Grand Isle	1.27	1.30	1.07	0.78	0.73	0.66	0.62	0.65	0.69	0.65	0.75	1.01
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.56	0.60	0.66	0.73	0.70	0.88	1.17
HWQ16 - Bayou Grand Liard	1.14	1.35	1.33	1.15	1.16	0.92	0.82	0.85	0.85	0.65	0.70	1.00
CRMS 3985	1.52	1.47	1.21	0.68	0.61	0.64	0.73	0.84	0.95	0.92	1.17	1.44
CRMS 0258	1.42	1.52	1.31	0.99	1.06	1.10	0.95	0.82	0.72	0.69	0.98	1.28
CRMS 0224	1.27	1.34	0.97	0.82	0.81	0.76	0.64	0.63	0.68	0.66	0.80	1.01
CRMS 0163	1.86	1.81	1.79	1.82	1.82	1.63	1.52	1.60	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.94	1.96	1.97	1.92	1.94	1.91	1.87	1.88	1.88	1.92

V3PR7 HYST - cy 0 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	2.00	2.00	2.01	2.02	2.04	1.93	1.94	1.89	1.90	1.94	1.96
CRMS0276 - Just east of Wilkinson Canal	1.56	1.67	1.68	1.60	1.62	1.29	0.98	0.97	1.14	0.98	1.04	1.40
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.81	1.79	1.75	1.55	1.45	1.48	1.55	1.50	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.99	1.95	1.97	1.98	2.00	1.97	1.81	1.74	1.56	1.62	1.95	1.92
USGS7380251 Barataria Bay North of Grand Isle	1.66	1.78	1.83	1.84	1.84	1.14	0.88	0.92	0.90	0.91	1.17	1.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.74	1.86	1.90	1.92	1.95	1.35	0.96	0.92	0.97	0.96	1.12	1.61
USGS 07380335 - Little Lake Near Cutoff	1.69	1.82	1.87	1.87	1.90	1.29	0.86	0.84	0.91	0.85	1.00	1.50
USGS073802516 Barataria Pass at Grand Isle	1.56	1.64	1.63	1.50	1.47	1.08	0.76	0.76	0.81	0.80	0.95	1.33
HWQ14 - Lake Washington	1.46	1.54	1.53	1.37	1.33	0.92	0.71	0.73	0.77	0.81	0.98	1.29
HWQ16 - Bayou Grand Liard	1.34	1.63	1.68	1.62	1.63	1.16	0.85	0.90	0.88	0.69	0.76	1.18
CRMS 3985	1.52	1.62	1.68	1.60	1.59	0.98	0.82	0.87	0.86	0.89	1.10	1.43
CRMS 0258	1.74	1.74	1.79	1.81	1.80	1.23	1.06	1.00	0.87	0.84	1.24	1.54
CRMS 0224	1.76	1.76	1.80	1.84	1.84	1.22	0.96	0.92	0.91	0.93	1.25	1.53
CRMS 0163	1.86	1.82	1.79	1.80	1.80	1.61	1.51	1.59	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.91	1.93	1.95	1.97	1.91	1.94	1.91	1.87	1.87	1.88	1.92

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.62	0.69	1.02	1.34	1.35	1.41	1.29	1.26	1.25	1.25	1.11	0.90
CRMS0276 - Just east of Wilkinson Canal	0.18	0.04	0.06	0.07	0.08	0.00	0.04	0.05	0.01	0.03	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.04	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.66	1.12	1.33	1.29	1.28	1.17	1.09	0.95	1.01	1.14	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.40	0.72	1.18	1.25	0.55	0.24	0.21	0.08	0.14	0.21	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.56	0.85	1.20	1.30	0.75	0.37	0.29	0.29	0.30	0.34	0.56
USGS 07380335 - Little Lake Near Cutoff	0.44	0.50	0.73	1.01	1.15	0.65	0.24	0.15	0.18	0.18	0.26	0.49
USGS073802516 Barataria Pass at Grand Isle	0.29	0.34	0.56	0.72	0.75	0.42	0.15	0.11	0.12	0.15	0.20	0.31
HWQ14 - Lake Washington	0.10	0.21	0.49	0.74	0.76	0.36	0.11	0.07	0.05	0.11	0.10	0.12
HWQ16 - Bayou Grand Liard	0.20	0.29	0.36	0.48	0.47	0.25	0.03	0.05	0.04	0.05	0.06	0.18
CRMS 3985	0.00	0.16	0.47	0.92	0.98	0.35	0.09	0.03	-0.10	-0.03	-0.07	-0.01
CRMS 0258	0.33	0.22	0.47	0.82	0.74	0.13	0.11	0.18	0.15	0.14	0.26	0.26
CRMS 0224	0.49	0.42	0.83	1.02	1.03	0.46	0.32	0.29	0.23	0.27	0.44	0.52
CRMS 0163	0.00	0.00	0.00	-0.01	-0.02	-0.02	-0.01	-0.01	0.00	-0.01	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	0.01	0.00

Figure WQ TOTN 27 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.22	0.87	0.62	0.63	0.56	0.60	0.65	0.63	0.67	0.91	1.08
CRMS0276 - Just east of Wilkinson Canal	1.25	1.54	1.37	1.23	1.16	1.07	0.75	0.73	0.96	0.99	1.13	1.37
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.58	1.57	1.49	1.29	1.30	1.42	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.10	0.74	0.57	0.59	0.56	0.58	0.63	0.63	0.64	0.85	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.41	1.19	0.73	0.65	0.62	0.70	0.75	0.87	0.86	1.03	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.27	1.05	0.68	0.61	0.57	0.59	0.58	0.68	0.70	0.86	1.11
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.05	0.74	0.63	0.57	0.58	0.57	0.68	0.69	0.83	1.07
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.71	0.62	0.57	0.57	0.55	0.66	0.68	0.83	1.07
HWQ14 - Lake Washington	1.39	1.36	1.14	0.70	0.62	0.57	0.64	0.64	0.76	0.77	0.94	1.22
HWQ16 - Bayou Grand Liard	1.06	1.26	1.13	0.92	0.84	0.74	0.61	0.64	0.70	0.68	0.81	1.03
CRMS 3985	1.58	1.51	1.38	0.86	0.78	0.73	0.93	0.98	1.04	1.04	1.22	1.49
CRMS 0258	1.15	1.24	0.87	0.79	0.89	0.71	0.65	0.66	0.65	0.68	1.09	1.21
CRMS 0224	1.18	1.16	0.82	0.65	0.61	0.56	0.54	0.56	0.65	0.66	0.85	1.01
CRMS 0163	1.86	1.84	1.80	1.66	1.59	1.56	1.41	1.46	1.73	1.82	1.94	1.90
CRMS 0162	1.93	1.92	1.93	1.87	1.82	1.83	1.91	1.82	1.66	1.92	1.88	1.94

V3PR7 HYST - cy 0 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.99	1.99	1.94	1.97	1.87	1.88	1.91	1.87	1.83	1.87	1.90
CRMS0276 - Just east of Wilkinson Canal	1.30	1.57	1.31	1.26	1.17	1.07	0.78	0.76	0.99	1.01	1.15	1.36
Barataria Waterway at Lafitte (USACE82875)	1.86	1.86	1.80	1.56	1.55	1.50	1.30	1.31	1.43	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.83	1.95	1.95	1.76	1.84	1.30	1.55	1.57	1.42	1.48	1.76	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.48	1.65	1.48	1.14	1.30	0.72	0.74	0.79	0.82	0.82	1.09	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.44	1.75	1.53	1.23	1.59	0.78	0.75	0.75	0.84	0.85	1.06	1.35
USGS 07380335 - Little Lake Near Cutoff	1.33	1.69	1.46	1.21	1.48	0.75	0.68	0.66	0.78	0.77	0.98	1.25
USGS073802516 Barataria Pass at Grand Isle	1.33	1.53	1.24	1.03	0.97	0.70	0.62	0.61	0.72	0.72	0.91	1.17
HWQ14 - Lake Washington	1.38	1.46	1.18	0.91	0.79	0.63	0.64	0.66	0.73	0.74	0.92	1.20
HWQ16 - Bayou Grand Liard	1.08	1.41	1.21	1.09	1.04	0.81	0.64	0.67	0.74	0.71	0.83	1.06
CRMS 3985	1.53	1.50	1.25	0.91	0.88	0.69	0.76	0.82	0.88	0.86	1.08	1.38
CRMS 0258	1.47	1.61	1.32	1.10	1.30	0.82	0.76	0.79	0.73	0.74	1.19	1.36
CRMS 0224	1.47	1.64	1.36	1.16	1.21	0.77	0.73	0.75	0.77	0.81	1.12	1.30
CRMS 0163	1.86	1.83	1.80	1.65	1.58	1.57	1.41	1.47	1.74	1.83	1.94	1.90
CRMS 0162	1.93	1.91	1.92	1.87	1.80	1.83	1.91	1.82	1.66	1.92	1.88	1.94

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.65	0.76	1.12	1.32	1.34	1.31	1.28	1.26	1.23	1.16	0.96	0.82
CRMS0276 - Just east of Wilkinson Canal	0.04	0.03	-0.06	0.03	0.00	0.00	0.04	0.03	0.03	0.02	0.02	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.02	-0.02	0.00	0.01	0.01	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.85	1.22	1.19	1.25	0.74	0.98	0.94	0.79	0.84	0.91	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.25	0.29	0.41	0.65	0.10	0.04	0.04	-0.05	-0.03	0.06	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.48	0.49	0.55	0.98	0.22	0.15	0.17	0.16	0.15	0.20	0.24
USGS 07380335 - Little Lake Near Cutoff	0.11	0.43	0.41	0.47	0.86	0.18	0.10	0.09	0.10	0.08	0.15	0.18
USGS073802516 Barataria Pass at Grand Isle	0.06	0.27	0.20	0.32	0.35	0.13	0.06	0.06	0.05	0.05	0.08	0.10
HWQ14 - Lake Washington	-0.02	0.11	0.04	0.21	0.17	0.06	0.00	0.02	-0.03	-0.03	-0.02	-0.02
HWQ16 - Bayou Grand Liard	0.02	0.14	0.08	0.17	0.20	0.07	0.03	0.03	0.04	0.03	0.02	0.03
CRMS 3985	-0.05	-0.01	-0.12	0.05	0.10	-0.04	-0.17	-0.16	-0.16	-0.18	-0.14	-0.11
CRMS 0258	0.32	0.37	0.45	0.31	0.40	0.11	0.11	0.13	0.08	0.07	0.10	0.15
CRMS 0224	0.29	0.48	0.54	0.50	0.60	0.20	0.19	0.19	0.12	0.15	0.27	0.29
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	0.01	0.00	0.01	0.01	0.01	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTN 28 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.37	1.34	1.02	0.67	0.67	0.63	0.66	0.72	0.65	0.68	0.89	1.06
CRMS0276 - Just east of Wilkinson Canal	1.37	1.67	1.59	1.47	1.38	1.38	1.04	1.07	1.33	1.15	1.07	1.21
Barataria Waterway at Lafitte (USACE82875)	1.88	1.85	1.88	1.79	1.67	1.65	1.56	1.55	1.59	1.56	1.84	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.29	1.34	0.89	0.64	0.70	0.66	0.62	0.66	0.67	0.67	0.90	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.60	0.61	0.72	0.69	0.78	0.75	0.97	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.33	1.05	0.70	0.62	0.59	0.62	0.63	0.70	0.70	0.84	1.06
USGS 07380335 - Little Lake Near Cutoff	1.24	1.36	1.13	0.82	0.69	0.63	0.64	0.73	0.78	0.74	0.82	0.99
USGS073802516 Barataria Pass at Grand Isle	1.27	1.33	1.06	0.75	0.67	0.63	0.63	0.69	0.71	0.70	0.80	1.00
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.57	0.67	0.60	0.72	0.70	0.89	1.18
HWQ16 - Bayou Grand Liard	1.15	1.40	1.29	1.09	1.00	0.97	0.92	1.03	0.96	0.80	0.74	0.92
CRMS 3985	1.51	1.45	1.19	0.69	0.62	0.68	0.96	0.86	0.91	0.86	1.15	1.45
CRMS 0258	1.38	1.55	1.37	0.97	1.05	1.10	1.10	1.16	0.99	0.83	1.18	1.29
CRMS 0224	1.25	1.38	0.99	0.78	0.75	0.73	0.65	0.65	0.73	0.74	0.92	1.03
CRMS 0163	1.83	1.80	1.86	1.80	1.73	1.65	1.55	1.63	1.83	1.85	1.95	1.90
CRMS 0162	1.91	1.92	1.96	1.95	1.94	1.90	1.93	1.93	1.93	1.94	1.88	1.95

V3PR7 HYST - cy 0 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	2.00	1.94	1.87	1.88	1.97	1.94
CRMS0276 - Just east of Wilkinson Canal	1.60	1.71	1.70	1.55	1.47	1.49	1.49	1.40	1.37	1.18	1.12	1.22
Barataria Waterway at Lafitte (USACE82875)	1.88	1.84	1.87	1.74	1.63	1.63	1.52	1.52	1.59	1.55	1.83	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.93	1.95	1.97	1.98	2.00	1.99	1.99	1.75	1.44	1.55	1.94	1.91
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.80	1.87	1.81	1.75	1.73	1.67	1.29	0.93	0.94	1.23	1.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.82	1.87	1.92	1.90	1.88	1.90	1.87	1.51	0.99	0.99	1.19	1.44
USGS 07380335 - Little Lake Near Cutoff	1.77	1.84	1.89	1.85	1.81	1.82	1.79	1.50	0.98	0.93	1.08	1.29
USGS073802516 Barataria Pass at Grand Isle	1.61	1.66	1.64	1.44	1.32	1.26	1.21	1.14	0.90	0.87	1.03	1.24
HWQ14 - Lake Washington	1.51	1.57	1.52	1.30	1.17	1.10	1.01	0.92	0.82	0.83	1.03	1.29
HWQ16 - Bayou Grand Liard	1.46	1.68	1.66	1.56	1.44	1.41	1.29	1.22	1.05	0.85	0.80	0.99
CRMS 3985	1.59	1.66	1.67	1.52	1.40	1.36	1.26	1.12	0.89	0.88	1.10	1.42
CRMS 0258	1.74	1.76	1.85	1.78	1.66	1.67	1.71	1.52	1.33	1.06	1.53	1.53
CRMS 0224	1.75	1.78	1.87	1.80	1.69	1.67	1.67	1.40	1.05	1.01	1.36	1.45
CRMS 0163	1.83	1.80	1.86	1.77	1.71	1.64	1.54	1.62	1.83	1.84	1.94	1.90
CRMS 0162	1.90	1.92	1.96	1.94	1.92	1.89	1.93	1.92	1.92	1.94	1.88	1.95

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.62	0.66	0.98	1.33	1.34	1.38	1.34	1.22	1.22	1.20	1.09	0.88
CRMS0276 - Just east of Wilkinson Canal	0.23	0.04	0.11	0.09	0.09	0.10	0.46	0.33	0.04	0.03	0.06	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.05	-0.04	-0.03	-0.04	-0.02	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.61	1.08	1.34	1.30	1.33	1.36	1.09	0.77	0.88	1.04	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.33	0.42	0.75	1.14	1.16	1.12	0.95	0.61	0.15	0.19	0.26	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.53	0.55	0.87	1.20	1.27	1.31	1.25	0.88	0.29	0.29	0.35	0.39
USGS 07380335 - Little Lake Near Cutoff	0.53	0.48	0.76	1.02	1.12	1.19	1.15	0.77	0.21	0.19	0.26	0.31
USGS073802516 Barataria Pass at Grand Isle	0.35	0.34	0.58	0.69	0.66	0.63	0.58	0.46	0.18	0.18	0.22	0.24
HWQ14 - Lake Washington	0.15	0.24	0.48	0.67	0.60	0.53	0.34	0.31	0.10	0.13	0.14	0.11
HWQ16 - Bayou Grand Liard	0.30	0.28	0.37	0.47	0.45	0.44	0.37	0.19	0.09	0.05	0.06	0.07
CRMS 3985	0.08	0.21	0.49	0.84	0.78	0.68	0.30	0.26	-0.02	0.01	-0.05	-0.03
CRMS 0258	0.36	0.21	0.48	0.81	0.61	0.57	0.61	0.37	0.34	0.23	0.34	0.24
CRMS 0224	0.51	0.40	0.88	1.03	0.94	0.94	1.02	0.75	0.32	0.27	0.44	0.42
CRMS 0163	0.00	0.00	-0.01	-0.03	-0.03	-0.02	-0.02	-0.01	0.01	0.00	0.00	0.00
CRMS 0162	-0.01	-0.01	0.00	-0.01	-0.01	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00

Figure WQ TOTN 29 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.30	1.03	0.67	0.66	0.62	0.66	0.72	0.65	0.67	0.86	1.09
CRMS0276 - Just east of Wilkinson Canal	1.42	1.52	1.48	1.49	1.55	1.51	1.10	1.05	1.28	1.06	1.01	1.46
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.82	1.79	1.77	1.74	1.56	1.50	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.33	0.91	0.65	0.70	0.68	0.64	0.66	0.65	0.65	0.86	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.41	1.41	1.21	0.68	0.59	0.59	0.64	0.68	0.79	0.76	0.94	1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.30	1.09	0.72	0.63	0.61	0.61	0.63	0.69	0.69	0.79	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.28	1.11	0.85	0.74	0.68	0.67	0.73	0.76	0.71	0.76	1.04
USGS073802516 Barataria Pass at Grand Isle	1.28	1.27	1.08	0.77	0.71	0.69	0.66	0.70	0.71	0.68	0.75	1.03
HWQ14 - Lake Washington	1.34	1.35	1.15	0.65	0.56	0.56	0.60	0.62	0.72	0.70	0.86	1.16
HWQ16 - Bayou Grand Liard	1.17	1.22	1.21	1.12	1.15	1.13	1.01	1.01	0.93	0.72	0.70	1.09
CRMS 3985	1.52	1.53	1.36	0.72	0.61	0.63	0.72	0.78	0.92	0.89	1.12	1.40
CRMS 0258	1.45	1.49	1.32	0.98	1.03	1.10	1.12	1.15	0.92	0.79	1.12	1.40
CRMS 0224	1.31	1.33	0.98	0.80	0.78	0.77	0.67	0.66	0.72	0.71	0.86	1.08
CRMS 0163	1.93	1.93	1.76	1.78	1.80	1.79	1.51	1.60	1.83	1.83	1.96	1.84
CRMS 0162	1.96	1.95	1.91	1.94	1.97	1.95	1.95	1.94	1.93	1.94	1.89	1.91

V3PR7 HYST - cy 0 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.09	2.02	1.99	2.00	2.04	2.02	2.00	1.93	1.88	1.90	1.96	1.99
CRMS0276 - Just east of Wilkinson Canal	1.60	1.56	1.58	1.54	1.59	1.62	1.51	1.21	1.32	1.09	1.07	1.60
Barataria Waterway at Lafitte (USACE82875)	1.93	1.98	1.81	1.74	1.74	1.72	1.51	1.50	1.58	1.52	1.83	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	2.35	2.13	1.94	1.97	2.01	2.01	2.00	1.66	1.50	1.58	1.95	1.94
USGS7380251 Barataria Bay North of Grand Isle	1.73	1.63	1.74	1.80	1.83	1.82	1.69	1.00	0.92	0.94	1.24	1.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.77	1.67	1.82	1.89	1.93	1.95	1.89	1.15	1.01	0.99	1.19	1.85
USGS 07380335 - Little Lake Near Cutoff	1.66	1.59	1.78	1.84	1.88	1.89	1.81	1.14	0.97	0.90	1.05	1.80
USGS073802516 Barataria Pass at Grand Isle	1.59	1.51	1.53	1.44	1.45	1.44	1.28	1.02	0.88	0.86	1.00	1.56
HWQ14 - Lake Washington	1.52	1.49	1.44	1.30	1.30	1.30	1.11	0.84	0.80	0.84	1.02	1.44
HWQ16 - Bayou Grand Liard	1.29	1.30	1.54	1.57	1.60	1.56	1.36	1.08	0.99	0.78	0.76	1.48
CRMS 3985	1.54	1.55	1.59	1.53	1.57	1.55	1.35	1.00	0.88	0.89	1.10	1.57
CRMS 0258	2.07	1.86	1.70	1.77	1.77	1.77	1.70	1.29	1.13	0.96	1.44	1.74
CRMS 0224	1.97	1.78	1.70	1.79	1.80	1.81	1.66	1.11	0.99	0.98	1.32	1.75
CRMS 0163	1.92	1.93	1.76	1.75	1.78	1.75	1.49	1.61	1.83	1.82	1.95	1.84
CRMS 0162	1.94	1.95	1.90	1.93	1.96	1.94	1.94	1.93	1.93	1.93	1.89	1.90

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.72	0.97	1.33	1.38	1.40	1.34	1.21	1.23	1.24	1.11	0.90
CRMS0276 - Just east of Wilkinson Canal	0.18	0.05	0.10	0.05	0.04	0.11	0.41	0.16	0.04	0.03	0.05	0.14
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	-0.05	-0.03	-0.02	-0.05	0.00	0.00	0.00	0.00	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	0.81	1.03	1.32	1.31	1.33	1.36	1.00	0.86	0.93	1.09	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.32	0.22	0.53	1.12	1.24	1.24	1.05	0.31	0.13	0.19	0.30	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.47	0.37	0.73	1.17	1.30	1.34	1.28	0.52	0.32	0.31	0.40	0.78
USGS 07380335 - Little Lake Near Cutoff	0.39	0.30	0.67	0.99	1.14	1.21	1.14	0.41	0.21	0.19	0.29	0.75
USGS073802516 Barataria Pass at Grand Isle	0.31	0.23	0.45	0.67	0.74	0.75	0.62	0.32	0.17	0.17	0.24	0.52
HWQ14 - Lake Washington	0.17	0.14	0.30	0.65	0.74	0.74	0.51	0.22	0.08	0.14	0.17	0.28
HWQ16 - Bayou Grand Liard	0.12	0.08	0.33	0.45	0.45	0.43	0.35	0.08	0.06	0.05	0.07	0.39
CRMS 3985	0.03	0.02	0.23	0.81	0.96	0.92	0.62	0.22	-0.04	0.00	-0.02	0.17
CRMS 0258	0.62	0.37	0.38	0.78	0.73	0.67	0.58	0.14	0.21	0.17	0.31	0.34
CRMS 0224	0.66	0.45	0.72	0.99	1.02	1.05	0.98	0.45	0.27	0.26	0.47	0.67
CRMS 0163	-0.01	-0.01	0.00	-0.03	-0.02	-0.04	-0.02	0.01	0.00	-0.01	-0.01	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTN 30 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.23	0.99	0.66	0.63	0.60	0.61	0.66	0.64	0.67	0.88	0.98
CRMS0276 - Just east of Wilkinson Canal	1.28	1.51	1.45	1.33	1.40	1.29	0.91	0.84	1.06	1.07	1.15	1.29
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.82	1.69	1.68	1.58	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.13	0.79	0.59	0.63	0.61	0.60	0.63	0.63	0.65	0.87	0.90
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.40	1.19	0.72	0.60	0.61	0.71	0.74	0.82	0.82	1.00	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.28	1.05	0.68	0.61	0.58	0.61	0.60	0.70	0.70	0.87	1.08
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.07	0.76	0.69	0.61	0.62	0.61	0.73	0.71	0.85	1.03
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.72	0.66	0.62	0.61	0.59	0.69	0.69	0.83	1.04
HWQ14 - Lake Washington	1.38	1.35	1.12	0.68	0.57	0.57	0.65	0.63	0.74	0.75	0.92	1.20
HWQ16 - Bayou Grand Liard	1.09	1.23	1.18	0.99	1.03	0.91	0.78	0.72	0.80	0.74	0.81	0.95
CRMS 3985	1.54	1.52	1.33	0.81	0.63	0.70	0.95	0.96	0.98	0.98	1.19	1.49
CRMS 0258	1.24	1.26	1.18	0.89	0.95	1.05	0.91	0.79	0.73	0.77	1.08	1.07
CRMS 0224	1.18	1.18	0.87	0.68	0.69	0.67	0.60	0.58	0.69	0.69	0.89	0.99
CRMS 0163	1.84	1.89	1.78	1.72	1.73	1.57	1.40	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.91	1.90	1.90	1.88	1.93	1.90	1.79	1.92	1.88	1.97

V3PR8 HYST - cy 0 - 1970 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.07	0.01	0.00	0.00	0.00	0.06	0.06	0.06	0.07	0.09	0.08
CRMS0276 - Just east of Wilkinson Canal	0.84	1.21	0.75	0.84	0.66	0.52	0.38	0.55	0.99	0.96	0.96	1.09
Barataria Waterway at Lafitte (USACE82875)	1.73	1.73	1.45	1.21	1.40	1.43	1.16	1.02	1.12	1.15	1.48	1.64
USGS2928590900040000 Barataria Waterway South of Lafitte	0.25	0.16	0.01	0.01	0.01	0.01	0.06	0.10	0.12	0.12	0.19	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.76	0.90	0.28	0.13	0.07	0.11	0.31	0.44	0.62	0.69	0.91	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.46	0.44	0.08	0.04	0.02	0.04	0.17	0.28	0.32	0.39	0.59	0.77
USGS 07380335 - Little Lake Near Cutoff	0.58	0.55	0.13	0.07	0.04	0.07	0.19	0.32	0.42	0.44	0.60	0.78
USGS073802516 Barataria Pass at Grand Isle	0.88	0.85	0.49	0.25	0.19	0.18	0.24	0.31	0.38	0.43	0.63	0.86
HWQ14 - Lake Washington	1.14	1.16	0.82	0.39	0.25	0.25	0.32	0.37	0.50	0.58	0.85	1.16
HWQ16 - Bayou Grand Liard	0.97	0.97	0.59	0.34	0.19	0.26	0.49	0.58	0.69	0.64	0.73	0.87
CRMS 3985	1.33	1.49	0.88	0.44	0.20	0.24	0.44	0.59	0.88	0.99	1.28	1.46
CRMS 0258	0.63	0.69	0.24	0.22	0.18	0.23	0.51	0.46	0.41	0.49	0.69	0.63
CRMS 0224	0.44	0.41	0.08	0.07	0.04	0.06	0.12	0.21	0.31	0.36	0.46	0.52
CRMS 0163	1.94	1.97	1.94	1.89	1.92	1.62	1.35	1.38	1.59	1.73	1.94	1.92
CRMS 0162	2.04	2.06	2.18	2.20	2.26	2.19	2.01	1.96	1.81	1.94	1.90	1.98

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.17	-1.15	-0.98	-0.66	-0.63	-0.60	-0.55	-0.60	-0.58	-0.60	-0.79	-0.90
CRMS0276 - Just east of Wilkinson Canal	-0.45	-0.30	-0.70	-0.49	-0.75	-0.77	-0.53	-0.29	-0.07	-0.12	-0.18	-0.20
Barataria Waterway at Lafitte (USACE82875)	-0.13	-0.20	-0.37	-0.48	-0.28	-0.15	-0.20	-0.34	-0.37	-0.42	-0.40	-0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.97	-0.97	-0.77	-0.58	-0.62	-0.60	-0.53	-0.53	-0.51	-0.53	-0.68	-0.75
USGS7380251 Barataria Bay North of Grand Isle	-0.68	-0.51	-0.91	-0.59	-0.53	-0.50	-0.40	-0.30	-0.21	-0.13	-0.09	-0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.83	-0.84	-0.96	-0.64	-0.59	-0.54	-0.43	-0.32	-0.38	-0.31	-0.27	-0.31
USGS 07380335 - Little Lake Near Cutoff	-0.64	-0.71	-0.94	-0.68	-0.65	-0.54	-0.43	-0.29	-0.31	-0.27	-0.26	-0.25
USGS073802516 Barataria Pass at Grand Isle	-0.38	-0.42	-0.56	-0.47	-0.48	-0.44	-0.38	-0.27	-0.31	-0.25	-0.21	-0.18
HWQ14 - Lake Washington	-0.24	-0.19	-0.30	-0.30	-0.32	-0.32	-0.34	-0.26	-0.24	-0.16	-0.08	-0.05
HWQ16 - Bayou Grand Liard	-0.12	-0.27	-0.59	-0.65	-0.84	-0.65	-0.29	-0.14	-0.12	-0.10	-0.08	-0.07
CRMS 3985	-0.21	-0.03	-0.45	-0.37	-0.43	-0.45	-0.51	-0.38	-0.10	0.01	0.10	-0.02
CRMS 0258	-0.61	-0.57	-0.94	-0.67	-0.78	-0.82	-0.40	-0.33	-0.32	-0.28	-0.39	-0.44
CRMS 0224	-0.75	-0.77	-0.78	-0.61	-0.65	-0.61	-0.48	-0.37	-0.38	-0.33	-0.43	-0.47
CRMS 0163	0.10	0.08	0.16	0.17	0.20	0.05	-0.05	-0.14	-0.19	-0.11	0.00	0.02
CRMS 0162	0.16	0.14	0.27	0.30	0.37	0.31	0.08	0.07	0.02	0.02	0.01	0.01

Figure WQ TOTN 31 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.36	1.31	0.98	0.67	0.67	0.63	0.64	0.68	0.64	0.65	0.83	1.06
CRMS0276 - Just east of Wilkinson Canal	1.39	1.63	1.62	1.53	1.54	1.28	0.94	0.92	1.13	0.95	1.00	1.37
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.82	1.83	1.77	1.56	1.46	1.48	1.56	1.50	1.85	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.29	0.85	0.65	0.71	0.69	0.63	0.65	0.61	0.62	0.81	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.59	0.59	0.64	0.71	0.81	0.77	0.96	1.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.31	1.05	0.72	0.64	0.60	0.60	0.63	0.68	0.67	0.78	1.05
USGS 07380335 - Little Lake Near Cutoff	1.25	1.32	1.13	0.86	0.75	0.64	0.63	0.68	0.73	0.67	0.74	1.01
USGS073802516 Barataria Pass at Grand Isle	1.27	1.30	1.07	0.78	0.73	0.66	0.62	0.65	0.69	0.65	0.75	1.01
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.56	0.60	0.66	0.73	0.70	0.88	1.17
HWQ16 - Bayou Grand Liard	1.14	1.35	1.33	1.15	1.16	0.92	0.82	0.85	0.85	0.65	0.70	1.00
CRMS 3985	1.52	1.47	1.21	0.68	0.61	0.64	0.73	0.84	0.95	0.92	1.17	1.44
CRMS 0258	1.42	1.52	1.31	0.99	1.06	1.10	0.95	0.82	0.72	0.69	0.98	1.28
CRMS 0224	1.27	1.34	0.97	0.82	0.81	0.76	0.64	0.63	0.68	0.66	0.80	1.01
CRMS 0163	1.86	1.81	1.79	1.82	1.82	1.63	1.52	1.60	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.94	1.96	1.97	1.92	1.94	1.91	1.87	1.88	1.88	1.92

V3PR8 HYST - cy 0 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.00	0.00	0.00	0.00	0.04	0.09	0.06	0.06	0.07	0.10	0.02
CRMS0276 - Just east of Wilkinson Canal	1.35	0.75	0.42	0.76	0.64	0.77	0.62	0.72	1.12	0.80	0.86	0.95
Barataria Waterway at Lafitte (USACE82875)	1.77	1.89	1.46	1.44	1.54	1.50	1.21	1.11	1.19	1.14	1.54	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.02	0.01	0.01	0.01	0.07	0.10	0.12	0.14	0.13	0.20	0.09
USGS7380251 Barataria Bay North of Grand Isle	1.07	0.14	0.08	0.06	0.06	0.23	0.42	0.48	0.61	0.71	0.95	0.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.89	0.04	0.03	0.02	0.02	0.14	0.26	0.32	0.35	0.40	0.58	0.39
USGS 07380335 - Little Lake Near Cutoff	0.99	0.08	0.05	0.04	0.04	0.15	0.29	0.40	0.47	0.44	0.55	0.46
USGS073802516 Barataria Pass at Grand Isle	1.18	0.41	0.27	0.16	0.14	0.19	0.30	0.38	0.42	0.44	0.60	0.75
HWQ14 - Lake Washington	1.35	0.65	0.42	0.24	0.19	0.23	0.34	0.40	0.49	0.60	0.86	1.08
HWQ16 - Bayou Grand Liard	1.16	0.47	0.26	0.18	0.15	0.43	0.64	0.75	0.75	0.54	0.63	0.78
CRMS 3985	1.42	0.53	0.31	0.23	0.16	0.29	0.50	0.63	0.87	1.00	1.31	1.23
CRMS 0258	1.06	0.18	0.13	0.15	0.16	0.51	0.75	0.52	0.48	0.56	0.76	0.34
CRMS 0224	1.01	0.07	0.04	0.04	0.03	0.11	0.19	0.25	0.36	0.39	0.45	0.33
CRMS 0163	1.93	2.14	2.12	2.14	2.06	1.56	1.42	1.45	1.63	1.73	1.96	2.04
CRMS 0162	2.06	2.30	2.34	2.35	2.30	2.04	1.99	1.97	1.89	1.89	1.89	2.10

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.06	-1.31	-0.98	-0.67	-0.66	-0.59	-0.55	-0.61	-0.57	-0.57	-0.73	-1.03
CRMS0276 - Just east of Wilkinson Canal	-0.03	-0.88	-1.21	-0.77	-0.90	-0.51	-0.32	-0.20	-0.01	-0.14	-0.14	-0.42
Barataria Waterway at Lafitte (USACE82875)	-0.13	0.03	-0.36	-0.40	-0.23	-0.06	-0.24	-0.37	-0.36	-0.36	-0.30	-0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.64	-1.28	-0.84	-0.64	-0.71	-0.62	-0.53	-0.53	-0.47	-0.48	-0.61	-0.84
USGS7380251 Barataria Bay North of Grand Isle	-0.36	-1.24	-1.04	-0.60	-0.54	-0.36	-0.23	-0.23	-0.20	-0.05	-0.01	-0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.40	-1.26	-1.02	-0.70	-0.62	-0.46	-0.34	-0.31	-0.34	-0.26	-0.20	-0.66
USGS 07380335 - Little Lake Near Cutoff	-0.26	-1.24	-1.09	-0.82	-0.72	-0.50	-0.34	-0.28	-0.26	-0.23	-0.19	-0.55
USGS073802516 Barataria Pass at Grand Isle	-0.09	-0.90	-0.80	-0.62	-0.58	-0.46	-0.32	-0.26	-0.28	-0.21	-0.15	-0.26
HWQ14 - Lake Washington	-0.01	-0.68	-0.62	-0.39	-0.38	-0.33	-0.25	-0.26	-0.23	-0.10	-0.02	-0.09
HWQ16 - Bayou Grand Liard	0.03	-0.87	-1.07	-0.97	-1.01	-0.49	-0.17	-0.09	-0.09	-0.10	-0.07	-0.22
CRMS 3985	-0.10	-0.94	-0.91	-0.45	-0.45	-0.34	-0.24	-0.21	-0.08	0.08	0.14	-0.21
CRMS 0258	-0.36	-1.34	-1.18	-0.84	-0.90	-0.60	-0.21	-0.30	-0.24	-0.13	-0.22	-0.94
CRMS 0224	-0.26	-1.27	-0.93	-0.78	-0.77	-0.64	-0.45	-0.38	-0.32	-0.27	-0.35	-0.68
CRMS 0163	0.07	0.32	0.32	0.32	0.24	-0.06	-0.10	-0.15	-0.19	-0.09	0.01	0.15
CRMS 0162	0.13	0.38	0.41	0.39	0.33	0.12	0.05	0.06	0.03	0.01	0.02	0.18

Figure WQ TOTN 32 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.22	0.87	0.62	0.63	0.56	0.60	0.65	0.63	0.67	0.91	1.08
CRMS0276 - Just east of Wilkinson Canal	1.25	1.54	1.37	1.23	1.16	1.07	0.75	0.73	0.96	0.99	1.13	1.37
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.58	1.57	1.49	1.29	1.30	1.42	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.10	0.74	0.57	0.59	0.56	0.58	0.63	0.63	0.64	0.85	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.41	1.19	0.73	0.65	0.62	0.70	0.75	0.87	0.86	1.03	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.27	1.05	0.68	0.61	0.57	0.59	0.58	0.68	0.70	0.86	1.11
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.05	0.74	0.63	0.57	0.58	0.57	0.68	0.69	0.83	1.07
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.71	0.62	0.57	0.57	0.55	0.66	0.68	0.83	1.07
HWQ14 - Lake Washington	1.39	1.36	1.14	0.70	0.62	0.57	0.64	0.64	0.76	0.77	0.94	1.22
HWQ16 - Bayou Grand Liard	1.06	1.26	1.13	0.92	0.84	0.74	0.61	0.64	0.70	0.68	0.81	1.03
CRMS 3985	1.58	1.51	1.38	0.86	0.78	0.73	0.93	0.98	1.04	1.04	1.22	1.49
CRMS 0258	1.15	1.24	0.87	0.79	0.89	0.71	0.65	0.66	0.65	0.68	1.09	1.21
CRMS 0224	1.18	1.16	0.82	0.65	0.61	0.56	0.54	0.56	0.65	0.66	0.85	1.01
CRMS 0163	1.86	1.84	1.80	1.66	1.59	1.56	1.41	1.46	1.73	1.82	1.94	1.90
CRMS 0162	1.93	1.92	1.93	1.87	1.82	1.83	1.91	1.82	1.66	1.92	1.88	1.94

V3PR8 HYST - cy 0 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.99	1.99	1.94	1.97	1.87	1.88	1.91	1.86	1.83	1.86	1.90
CRMS0276 - Just east of Wilkinson Canal	1.29	1.53	1.26	1.19	1.12	0.99	0.76	0.73	0.89	0.94	1.02	1.29
Barataria Waterway at Lafitte (USACE82875)	1.67	1.70	1.33	1.04	1.10	1.15	1.01	0.97	1.06	1.09	1.52	1.58
USGS2928590900040000 Barataria Waterway South of Lafitte	1.83	1.95	1.96	1.77	1.84	1.30	1.55	1.56	1.43	1.49	1.77	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.48	1.65	1.47	1.13	1.27	0.71	0.73	0.79	0.82	0.82	1.09	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.44	1.76	1.54	1.24	1.60	0.79	0.74	0.75	0.84	0.85	1.04	1.34
USGS 07380335 - Little Lake Near Cutoff	1.33	1.69	1.46	1.21	1.49	0.75	0.67	0.65	0.76	0.75	0.95	1.22
USGS073802516 Barataria Pass at Grand Isle	1.34	1.54	1.24	1.03	0.96	0.70	0.62	0.61	0.70	0.71	0.90	1.16
HWQ14 - Lake Washington	1.39	1.47	1.19	0.91	0.81	0.63	0.64	0.66	0.74	0.74	0.93	1.21
HWQ16 - Bayou Grand Liard	1.10	1.40	1.20	1.07	1.03	0.82	0.65	0.65	0.70	0.68	0.81	1.04
CRMS 3985	1.53	1.50	1.25	0.91	0.88	0.69	0.75	0.82	0.88	0.86	1.08	1.39
CRMS 0258	1.47	1.62	1.33	1.11	1.31	0.81	0.76	0.79	0.73	0.74	1.18	1.34
CRMS 0224	1.47	1.64	1.36	1.17	1.23	0.76	0.73	0.74	0.76	0.81	1.11	1.29
CRMS 0163	1.83	1.82	1.71	1.56	1.51	1.49	1.33	1.41	1.70	1.81	1.91	1.86
CRMS 0162	1.92	1.91	1.92	1.86	1.80	1.83	1.91	1.81	1.68	1.92	1.88	1.94

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.65	0.76	1.12	1.32	1.34	1.31	1.28	1.26	1.23	1.16	0.96	0.82
CRMS0276 - Just east of Wilkinson Canal	0.04	-0.01	-0.10	-0.04	-0.04	-0.08	0.01	0.00	-0.07	-0.05	-0.11	-0.08
Barataria Waterway at Lafitte (USACE82875)	-0.19	-0.16	-0.48	-0.55	-0.47	-0.34	-0.28	-0.33	-0.37	-0.44	-0.35	-0.28
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.85	1.22	1.20	1.25	0.74	0.98	0.94	0.80	0.85	0.91	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.24	0.28	0.40	0.63	0.09	0.03	0.04	-0.05	-0.04	0.06	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.49	0.49	0.55	0.99	0.22	0.15	0.16	0.15	0.14	0.18	0.24
USGS 07380335 - Little Lake Near Cutoff	0.12	0.43	0.41	0.47	0.86	0.17	0.10	0.08	0.07	0.06	0.11	0.15
USGS073802516 Barataria Pass at Grand Isle	0.06	0.27	0.19	0.32	0.34	0.13	0.05	0.06	0.04	0.04	0.07	0.09
HWQ14 - Lake Washington	0.00	0.11	0.05	0.21	0.19	0.06	0.00	0.02	-0.03	-0.03	-0.02	-0.01
HWQ16 - Bayou Grand Liard	0.04	0.14	0.07	0.15	0.19	0.08	0.04	0.02	0.00	0.00	0.00	0.01
CRMS 3985	-0.05	-0.01	-0.12	0.05	0.10	-0.04	-0.17	-0.16	-0.16	-0.18	-0.14	-0.10
CRMS 0258	0.32	0.37	0.46	0.32	0.42	0.11	0.11	0.13	0.08	0.07	0.09	0.13
CRMS 0224	0.29	0.48	0.55	0.52	0.61	0.20	0.19	0.19	0.11	0.14	0.26	0.28
CRMS 0163	-0.03	-0.02	-0.09	-0.10	-0.08	-0.07	-0.08	-0.05	-0.03	-0.02	-0.03	-0.04
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	-0.01	0.02	0.00	0.00	0.00

Figure WQ TOTN 33 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.37	1.34	1.02	0.67	0.67	0.63	0.66	0.72	0.65	0.68	0.89	1.06
CRMS0276 - Just east of Wilkinson Canal	1.37	1.67	1.59	1.47	1.38	1.38	1.04	1.07	1.33	1.15	1.07	1.21
Barataria Waterway at Lafitte (USACE82875)	1.88	1.85	1.88	1.79	1.67	1.65	1.56	1.55	1.59	1.56	1.84	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.29	1.34	0.89	0.64	0.70	0.66	0.62	0.66	0.67	0.67	0.90	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.60	0.61	0.72	0.69	0.78	0.75	0.97	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.33	1.05	0.70	0.62	0.59	0.62	0.63	0.70	0.70	0.84	1.06
USGS 07380335 - Little Lake Near Cutoff	1.24	1.36	1.13	0.82	0.69	0.63	0.64	0.73	0.78	0.74	0.82	0.99
USGS073802516 Barataria Pass at Grand Isle	1.27	1.33	1.06	0.75	0.67	0.63	0.63	0.69	0.71	0.70	0.80	1.00
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.57	0.67	0.60	0.72	0.70	0.89	1.18
HWQ16 - Bayou Grand Liard	1.15	1.40	1.29	1.09	1.00	0.97	0.92	1.03	0.96	0.80	0.74	0.92
CRMS 3985	1.51	1.45	1.19	0.69	0.62	0.68	0.96	0.86	0.91	0.86	1.15	1.45
CRMS 0258	1.38	1.55	1.37	0.97	1.05	1.10	1.10	1.16	0.99	0.83	1.18	1.29
CRMS 0224	1.25	1.38	0.99	0.78	0.75	0.73	0.65	0.65	0.73	0.74	0.92	1.03
CRMS 0163	1.83	1.80	1.86	1.80	1.73	1.65	1.55	1.63	1.83	1.85	1.95	1.90
CRMS 0162	1.91	1.92	1.96	1.95	1.94	1.90	1.93	1.93	1.93	1.94	1.88	1.95

V3PR8 HYST - cy 0 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	2.00	1.94	1.87	1.88	1.97	1.94
CRMS0276 - Just east of Wilkinson Canal	1.56	1.70	1.69	1.50	1.46	1.47	1.49	1.40	1.33	1.14	1.03	1.11
Barataria Waterway at Lafitte (USACE82875)	1.76	1.77	1.33	1.18	1.25	1.32	1.18	1.16	1.31	1.24	1.44	1.70
USGS2928590900040000 Barataria Waterway South of Lafitte	1.93	1.95	1.97	1.99	2.00	2.00	1.99	1.75	1.44	1.55	1.94	1.91
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.80	1.86	1.81	1.75	1.72	1.66	1.30	0.94	0.95	1.23	1.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.82	1.88	1.93	1.90	1.89	1.92	1.89	1.52	1.00	1.00	1.19	1.44
USGS 07380335 - Little Lake Near Cutoff	1.76	1.84	1.89	1.85	1.82	1.83	1.79	1.50	0.99	0.93	1.06	1.27
USGS073802516 Barataria Pass at Grand Isle	1.61	1.66	1.64	1.44	1.32	1.26	1.21	1.15	0.91	0.88	1.03	1.23
HWQ14 - Lake Washington	1.51	1.58	1.53	1.32	1.19	1.11	1.03	0.92	0.83	0.85	1.05	1.30
HWQ16 - Bayou Grand Liard	1.45	1.67	1.65	1.54	1.43	1.40	1.28	1.21	1.05	0.83	0.78	0.95
CRMS 3985	1.59	1.66	1.67	1.52	1.39	1.36	1.25	1.12	0.90	0.89	1.12	1.43
CRMS 0258	1.74	1.76	1.86	1.79	1.68	1.69	1.72	1.53	1.33	1.05	1.50	1.51
CRMS 0224	1.75	1.78	1.87	1.81	1.70	1.68	1.68	1.41	1.06	1.01	1.35	1.44
CRMS 0163	1.81	1.80	1.79	1.72	1.68	1.60	1.51	1.60	1.81	1.82	1.91	1.89
CRMS 0162	1.90	1.92	1.96	1.93	1.92	1.89	1.92	1.92	1.93	1.94	1.88	1.95

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.62	0.66	0.98	1.33	1.34	1.38	1.34	1.22	1.22	1.21	1.09	0.88
CRMS0276 - Just east of Wilkinson Canal	0.20	0.03	0.09	0.03	0.08	0.09	0.45	0.33	0.00	-0.01	-0.04	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.12	-0.07	-0.56	-0.61	-0.42	-0.33	-0.38	-0.39	-0.28	-0.31	-0.40	-0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.61	1.08	1.34	1.30	1.34	1.36	1.09	0.77	0.88	1.05	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.32	0.42	0.75	1.14	1.15	1.12	0.94	0.62	0.16	0.19	0.27	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.53	0.55	0.88	1.20	1.28	1.33	1.27	0.89	0.30	0.30	0.35	0.38
USGS 07380335 - Little Lake Near Cutoff	0.53	0.48	0.76	1.03	1.12	1.20	1.16	0.77	0.21	0.19	0.24	0.29
USGS073802516 Barataria Pass at Grand Isle	0.35	0.34	0.58	0.68	0.66	0.63	0.58	0.46	0.20	0.19	0.22	0.23
HWQ14 - Lake Washington	0.15	0.25	0.49	0.69	0.62	0.54	0.36	0.32	0.12	0.15	0.16	0.12
HWQ16 - Bayou Grand Liard	0.30	0.27	0.36	0.46	0.44	0.43	0.36	0.18	0.09	0.04	0.04	0.04
CRMS 3985	0.07	0.21	0.49	0.83	0.77	0.67	0.29	0.26	-0.01	0.03	-0.02	-0.02
CRMS 0258	0.36	0.22	0.48	0.81	0.62	0.58	0.62	0.37	0.33	0.22	0.32	0.23
CRMS 0224	0.51	0.40	0.88	1.03	0.95	0.95	1.04	0.76	0.33	0.27	0.43	0.41
CRMS 0163	-0.01	0.00	-0.07	-0.08	-0.06	-0.05	-0.04	-0.03	-0.02	-0.03	-0.04	-0.02
CRMS 0162	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTN 34 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.30	1.03	0.67	0.66	0.62	0.66	0.72	0.65	0.67	0.86	1.09
CRMS0276 - Just east of Wilkinson Canal	1.42	1.52	1.48	1.49	1.55	1.51	1.10	1.05	1.28	1.06	1.01	1.46
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.82	1.79	1.77	1.74	1.56	1.50	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.33	0.91	0.65	0.70	0.68	0.64	0.66	0.65	0.65	0.86	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.41	1.41	1.21	0.68	0.59	0.59	0.64	0.68	0.79	0.76	0.94	1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.30	1.09	0.72	0.63	0.61	0.61	0.63	0.69	0.69	0.79	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.28	1.11	0.85	0.74	0.68	0.67	0.73	0.76	0.71	0.76	1.04
USGS073802516 Barataria Pass at Grand Isle	1.28	1.27	1.08	0.77	0.71	0.69	0.66	0.70	0.71	0.68	0.75	1.03
HWQ14 - Lake Washington	1.34	1.35	1.15	0.65	0.56	0.56	0.60	0.62	0.72	0.70	0.86	1.16
HWQ16 - Bayou Grand Liard	1.17	1.22	1.21	1.12	1.15	1.13	1.01	1.01	0.93	0.72	0.70	1.09
CRMS 3985	1.52	1.53	1.36	0.72	0.61	0.63	0.72	0.78	0.92	0.89	1.12	1.40
CRMS 0258	1.45	1.49	1.32	0.98	1.03	1.10	1.12	1.15	0.92	0.79	1.12	1.40
CRMS 0224	1.31	1.33	0.98	0.80	0.78	0.77	0.67	0.66	0.72	0.71	0.86	1.08
CRMS 0163	1.93	1.93	1.76	1.78	1.80	1.79	1.51	1.60	1.83	1.83	1.96	1.84
CRMS 0162	1.96	1.95	1.91	1.94	1.97	1.95	1.95	1.94	1.93	1.94	1.89	1.91

V3PR8 HYST - cy 0 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.09	2.02	1.99	2.00	2.04	2.02	2.00	1.93	1.89	1.90	1.96	1.99
CRMS0276 - Just east of Wilkinson Canal	1.61	1.53	1.50	1.51	1.59	1.60	1.51	1.21	1.29	1.05	0.98	1.54
Barataria Waterway at Lafitte (USACE82875)	1.83	1.81	1.65	1.17	1.27	1.38	1.18	1.16	1.29	1.21	1.52	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	2.35	2.13	1.94	1.97	2.01	2.01	2.00	1.67	1.51	1.60	1.96	1.94
USGS7380251 Barataria Bay North of Grand Isle	1.72	1.62	1.74	1.80	1.82	1.82	1.67	0.99	0.92	0.95	1.23	1.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.79	1.68	1.82	1.90	1.94	1.95	1.91	1.17	1.02	1.01	1.19	1.85
USGS 07380335 - Little Lake Near Cutoff	1.68	1.60	1.78	1.84	1.88	1.89	1.81	1.15	0.99	0.91	1.03	1.80
USGS073802516 Barataria Pass at Grand Isle	1.61	1.52	1.53	1.44	1.45	1.44	1.28	1.03	0.89	0.87	1.00	1.56
HWQ14 - Lake Washington	1.52	1.49	1.46	1.32	1.32	1.31	1.12	0.85	0.81	0.86	1.03	1.45
HWQ16 - Bayou Grand Liard	1.32	1.31	1.53	1.55	1.59	1.55	1.34	1.09	1.00	0.77	0.74	1.46
CRMS 3985	1.55	1.55	1.59	1.53	1.56	1.54	1.34	1.00	0.88	0.91	1.11	1.57
CRMS 0258	2.08	1.88	1.70	1.77	1.77	1.78	1.71	1.29	1.12	0.95	1.42	1.74
CRMS 0224	1.99	1.79	1.70	1.80	1.81	1.83	1.67	1.12	1.00	0.98	1.31	1.75
CRMS 0163	1.91	1.92	1.74	1.70	1.78	1.72	1.48	1.59	1.80	1.81	1.94	1.83
CRMS 0162	1.94	1.95	1.90	1.92	1.95	1.94	1.94	1.93	1.93	1.93	1.89	1.90

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.72	0.97	1.33	1.38	1.40	1.34	1.21	1.23	1.24	1.11	0.90
CRMS0276 - Just east of Wilkinson Canal	0.19	0.01	0.02	0.02	0.04	0.09	0.41	0.16	0.01	-0.01	-0.04	0.08
Barataria Waterway at Lafitte (USACE82875)	-0.11	-0.17	-0.17	-0.62	-0.50	-0.36	-0.38	-0.34	-0.28	-0.31	-0.31	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	0.81	1.03	1.32	1.31	1.33	1.36	1.01	0.86	0.95	1.09	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.31	0.22	0.53	1.12	1.24	1.23	1.03	0.31	0.13	0.19	0.29	0.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.49	0.39	0.74	1.17	1.30	1.35	1.30	0.53	0.33	0.32	0.40	0.78
USGS 07380335 - Little Lake Near Cutoff	0.40	0.32	0.67	0.99	1.14	1.21	1.14	0.42	0.23	0.19	0.27	0.75
USGS073802516 Barataria Pass at Grand Isle	0.32	0.25	0.45	0.66	0.74	0.75	0.61	0.33	0.18	0.18	0.24	0.52
HWQ14 - Lake Washington	0.17	0.14	0.31	0.67	0.76	0.75	0.52	0.23	0.09	0.15	0.17	0.29
HWQ16 - Bayou Grand Liard	0.16	0.09	0.32	0.44	0.44	0.42	0.34	0.08	0.07	0.05	0.05	0.37
CRMS 3985	0.03	0.02	0.23	0.81	0.95	0.91	0.61	0.22	-0.04	0.02	-0.01	0.17
CRMS 0258	0.63	0.39	0.38	0.79	0.74	0.67	0.59	0.14	0.20	0.16	0.29	0.34
CRMS 0224	0.68	0.46	0.72	1.00	1.03	1.06	1.00	0.46	0.28	0.27	0.46	0.67
CRMS 0163	-0.02	-0.02	-0.02	-0.08	-0.02	-0.06	-0.03	-0.02	-0.03	-0.02	-0.02	-0.01
CRMS 0162	-0.01	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.01

Figure WQ TOTN 35 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.23	0.99	0.66	0.63	0.60	0.61	0.66	0.64	0.67	0.88	0.98
CRMS0276 - Just east of Wilkinson Canal	1.28	1.51	1.45	1.33	1.40	1.29	0.91	0.84	1.06	1.07	1.15	1.29
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.82	1.69	1.68	1.58	1.35	1.35	1.50	1.57	1.87	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.13	0.79	0.59	0.63	0.61	0.60	0.63	0.63	0.65	0.87	0.90
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.40	1.19	0.72	0.60	0.61	0.71	0.74	0.82	0.82	1.00	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.28	1.05	0.68	0.61	0.58	0.61	0.60	0.70	0.70	0.87	1.08
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.07	0.76	0.69	0.61	0.62	0.61	0.73	0.71	0.85	1.03
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.72	0.66	0.62	0.61	0.59	0.69	0.69	0.83	1.04
HWQ14 - Lake Washington	1.38	1.35	1.12	0.68	0.57	0.57	0.65	0.63	0.74	0.75	0.92	1.20
HWQ16 - Bayou Grand Liard	1.09	1.23	1.18	0.99	1.03	0.91	0.78	0.72	0.80	0.74	0.81	0.95
CRMS 3985	1.54	1.52	1.33	0.81	0.63	0.70	0.95	0.96	0.98	0.98	1.19	1.49
CRMS 0258	1.24	1.26	1.18	0.89	0.95	1.05	0.91	0.79	0.73	0.77	1.08	1.07
CRMS 0224	1.18	1.18	0.87	0.68	0.69	0.67	0.60	0.58	0.69	0.69	0.89	0.99
CRMS 0163	1.84	1.89	1.78	1.72	1.73	1.57	1.40	1.52	1.77	1.85	1.94	1.90
CRMS 0162	1.88	1.91	1.91	1.90	1.90	1.88	1.93	1.90	1.79	1.92	1.88	1.97

V3PR9 HYST - cy 0 - 1970 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.22	1.00	0.66	0.63	0.60	0.61	0.67	0.65	0.67	0.87	0.97
CRMS0276 - Just east of Wilkinson Canal	1.25	1.45	1.30	1.21	1.30	1.20	0.90	0.82	1.05	0.99	1.02	1.13
Barataria Waterway at Lafitte (USACE82875)	1.71	1.76	1.46	1.09	1.25	1.30	1.14	1.07	1.15	1.15	1.49	1.61
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.11	0.79	0.60	0.62	0.60	0.59	0.64	0.64	0.65	0.86	0.88
USGS7380251 Barataria Bay North of Grand Isle	1.45	1.41	1.23	0.76	0.63	0.60	0.66	0.73	0.85	0.83	1.00	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.28	1.27	1.05	0.68	0.61	0.57	0.58	0.60	0.68	0.69	0.83	1.04
USGS 07380335 - Little Lake Near Cutoff	1.20	1.25	1.05	0.74	0.65	0.60	0.61	0.61	0.71	0.69	0.80	0.98
USGS073802516 Barataria Pass at Grand Isle	1.26	1.26	1.06	0.72	0.65	0.62	0.60	0.58	0.69	0.68	0.81	1.00
HWQ14 - Lake Washington	1.40	1.36	1.16	0.72	0.62	0.57	0.61	0.67	0.76	0.77	0.93	1.22
HWQ16 - Bayou Grand Liard	1.09	1.21	1.14	0.96	0.99	0.90	0.80	0.70	0.79	0.71	0.79	0.91
CRMS 3985	1.54	1.52	1.37	0.89	0.74	0.67	0.77	0.88	0.99	1.01	1.19	1.49
CRMS 0258	1.20	1.25	1.17	0.89	0.91	1.02	0.89	0.78	0.72	0.76	1.01	0.95
CRMS 0224	1.15	1.17	0.85	0.66	0.65	0.63	0.58	0.58	0.68	0.67	0.84	0.94
CRMS 0163	1.83	1.87	1.74	1.65	1.71	1.54	1.38	1.48	1.74	1.82	1.92	1.87
CRMS 0162	1.88	1.91	1.91	1.90	1.89	1.88	1.92	1.90	1.78	1.92	1.89	1.97

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	-0.01	-0.01
CRMS0276 - Just east of Wilkinson Canal	-0.04	-0.05	-0.15	-0.11	-0.11	-0.09	-0.01	-0.02	-0.01	-0.08	-0.13	-0.16
Barataria Waterway at Lafitte (USACE82875)	-0.15	-0.17	-0.36	-0.60	-0.43	-0.28	-0.21	-0.28	-0.34	-0.42	-0.39	-0.23
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.02	0.00	0.00	-0.01	-0.02	-0.01	0.01	0.01	0.00	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.01	0.04	0.04	0.04	-0.01	-0.05	-0.01	0.02	0.01	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.03	0.00	-0.02	-0.01	-0.04	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.02	-0.02	-0.03	-0.01	-0.01	0.00	-0.03	-0.02	-0.05	-0.05
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	0.00	-0.01	-0.01	-0.03	-0.04
HWQ14 - Lake Washington	0.02	0.01	0.04	0.04	0.05	0.00	-0.04	0.04	0.02	0.02	0.00	0.02
HWQ16 - Bayou Grand Liard	0.00	-0.02	-0.04	-0.03	-0.04	-0.01	0.02	-0.02	-0.01	-0.03	-0.02	-0.04
CRMS 3985	0.01	0.00	0.04	0.07	0.11	-0.03	-0.18	-0.08	0.01	0.03	0.00	0.00
CRMS 0258	-0.04	-0.01	-0.01	0.00	-0.04	-0.03	-0.02	-0.01	-0.01	-0.01	-0.07	-0.11
CRMS 0224	-0.03	-0.01	-0.01	-0.02	-0.04	-0.04	-0.03	0.00	-0.01	-0.02	-0.05	-0.05
CRMS 0163	-0.01	-0.01	-0.04	-0.07	-0.01	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02	-0.03
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00

Figure WQ TOTN 36 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.36	1.31	0.98	0.67	0.67	0.63	0.64	0.68	0.64	0.65	0.83	1.06
CRMS0276 - Just east of Wilkinson Canal	1.39	1.63	1.62	1.53	1.54	1.28	0.94	0.92	1.13	0.95	1.00	1.37
Barataria Waterway at Lafitte (USACE82875)	1.90	1.85	1.82	1.83	1.77	1.56	1.46	1.48	1.56	1.50	1.85	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.29	0.85	0.65	0.71	0.69	0.63	0.65	0.61	0.62	0.81	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.59	0.59	0.64	0.71	0.81	0.77	0.96	1.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.31	1.05	0.72	0.64	0.60	0.60	0.63	0.68	0.67	0.78	1.05
USGS 07380335 - Little Lake Near Cutoff	1.25	1.32	1.13	0.86	0.75	0.64	0.63	0.68	0.73	0.67	0.74	1.01
USGS073802516 Barataria Pass at Grand Isle	1.27	1.30	1.07	0.78	0.73	0.66	0.62	0.65	0.69	0.65	0.75	1.01
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.56	0.60	0.66	0.73	0.70	0.88	1.17
HWQ16 - Bayou Grand Liard	1.14	1.35	1.33	1.15	1.16	0.92	0.82	0.85	0.85	0.65	0.70	1.00
CRMS 3985	1.52	1.47	1.21	0.68	0.61	0.64	0.73	0.84	0.95	0.92	1.17	1.44
CRMS 0258	1.42	1.52	1.31	0.99	1.06	1.10	0.95	0.82	0.72	0.69	0.98	1.28
CRMS 0224	1.27	1.34	0.97	0.82	0.81	0.76	0.64	0.63	0.68	0.66	0.80	1.01
CRMS 0163	1.86	1.81	1.79	1.82	1.82	1.63	1.52	1.60	1.81	1.82	1.95	1.89
CRMS 0162	1.92	1.92	1.94	1.96	1.97	1.92	1.94	1.91	1.87	1.88	1.88	1.92

V3PR9 HYST - cy 0 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.30	0.97	0.65	0.65	0.61	0.63	0.67	0.63	0.65	0.83	1.06
CRMS0276 - Just east of Wilkinson Canal	1.34	1.58	1.52	1.41	1.45	1.21	0.92	0.89	1.17	0.87	0.90	1.16
Barataria Waterway at Lafitte (USACE82875)	1.77	1.75	1.39	1.26	1.39	1.36	1.19	1.14	1.23	1.15	1.55	1.76
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.26	0.84	0.63	0.68	0.66	0.61	0.64	0.61	0.61	0.81	0.92
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.39	1.12	0.66	0.59	0.59	0.65	0.73	0.80	0.79	0.98	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.28	1.29	1.04	0.70	0.62	0.59	0.58	0.64	0.66	0.66	0.76	1.02
USGS 07380335 - Little Lake Near Cutoff	1.23	1.30	1.12	0.82	0.71	0.62	0.62	0.69	0.72	0.65	0.71	0.95
USGS073802516 Barataria Pass at Grand Isle	1.27	1.29	1.06	0.76	0.71	0.64	0.61	0.65	0.68	0.64	0.75	0.98
HWQ14 - Lake Washington	1.38	1.34	1.06	0.63	0.57	0.57	0.60	0.69	0.71	0.72	0.91	1.20
HWQ16 - Bayou Grand Liard	1.12	1.33	1.31	1.11	1.12	0.90	0.82	0.86	0.85	0.62	0.68	0.94
CRMS 3985	1.53	1.47	1.22	0.68	0.62	0.64	0.73	0.92	0.94	0.95	1.19	1.45
CRMS 0258	1.36	1.50	1.30	0.95	1.02	1.07	0.93	0.80	0.70	0.69	0.89	1.17
CRMS 0224	1.23	1.31	0.95	0.76	0.76	0.71	0.62	0.63	0.66	0.64	0.77	0.94
CRMS 0163	1.85	1.81	1.78	1.80	1.83	1.60	1.51	1.57	1.79	1.82	1.95	1.88
CRMS 0162	1.92	1.92	1.94	1.96	1.97	1.92	1.94	1.91	1.86	1.88	1.89	1.92

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.01	0.00	-0.01	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.01
CRMS0276 - Just east of Wilkinson Canal	-0.04	-0.05	-0.10	-0.12	-0.09	-0.07	-0.02	-0.03	0.04	-0.08	-0.10	-0.21
Barataria Waterway at Lafitte (USACE82875)	-0.13	-0.11	-0.43	-0.57	-0.38	-0.21	-0.26	-0.34	-0.33	-0.35	-0.30	-0.11
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	-0.02	-0.02	-0.03	-0.03	-0.02	-0.01	0.00	0.00	-0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.02	-0.01	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	-0.01	-0.03	-0.02	-0.01	-0.01	0.01	-0.03	-0.01	-0.02	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.01	-0.04	-0.04	-0.02	-0.01	0.00	-0.01	-0.02	-0.03	-0.06
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	-0.02	-0.02	-0.02	-0.01	0.01	-0.01	-0.01	-0.01	-0.03
HWQ14 - Lake Washington	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.03	-0.02	0.02	0.02	0.03
HWQ16 - Bayou Grand Liard	-0.01	-0.02	-0.01	-0.04	-0.04	-0.01	0.00	0.01	0.01	-0.03	-0.02	-0.06
CRMS 3985	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.08	-0.02	0.03	0.02	0.01
CRMS 0258	-0.06	-0.02	-0.01	-0.05	-0.05	-0.03	-0.03	-0.02	-0.02	0.00	-0.09	-0.12
CRMS 0224	-0.04	-0.03	-0.02	-0.06	-0.05	-0.04	-0.02	0.00	-0.01	-0.02	-0.03	-0.07
CRMS 0163	-0.02	-0.01	-0.01	-0.02	0.01	-0.03	-0.01	-0.03	-0.02	-0.01	-0.01	-0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00

Figure WQ TOTN 37 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.22	0.87	0.62	0.63	0.56	0.60	0.65	0.63	0.67	0.91	1.08
CRMS0276 - Just east of Wilkinson Canal	1.25	1.54	1.37	1.23	1.16	1.07	0.75	0.73	0.96	0.99	1.13	1.37
Barataria Waterway at Lafitte (USACE82875)	1.87	1.86	1.81	1.58	1.57	1.49	1.29	1.30	1.42	1.53	1.87	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.10	0.74	0.57	0.59	0.56	0.58	0.63	0.63	0.64	0.85	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.41	1.19	0.73	0.65	0.62	0.70	0.75	0.87	0.86	1.03	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.27	1.05	0.68	0.61	0.57	0.59	0.58	0.68	0.70	0.86	1.11
USGS 07380335 - Little Lake Near Cutoff	1.22	1.26	1.05	0.74	0.63	0.57	0.58	0.57	0.68	0.69	0.83	1.07
USGS073802516 Barataria Pass at Grand Isle	1.27	1.27	1.05	0.71	0.62	0.57	0.57	0.55	0.66	0.68	0.83	1.07
HWQ14 - Lake Washington	1.39	1.36	1.14	0.70	0.62	0.57	0.64	0.64	0.76	0.77	0.94	1.22
HWQ16 - Bayou Grand Liard	1.06	1.26	1.13	0.92	0.84	0.74	0.61	0.64	0.70	0.68	0.81	1.03
CRMS 3985	1.58	1.51	1.38	0.86	0.78	0.73	0.93	0.98	1.04	1.04	1.22	1.49
CRMS 0258	1.15	1.24	0.87	0.79	0.89	0.71	0.65	0.66	0.65	0.68	1.09	1.21
CRMS 0224	1.18	1.16	0.82	0.65	0.61	0.56	0.54	0.56	0.65	0.66	0.85	1.01
CRMS 0163	1.86	1.84	1.80	1.66	1.59	1.56	1.41	1.46	1.73	1.82	1.94	1.90
CRMS 0162	1.93	1.92	1.93	1.87	1.82	1.83	1.91	1.82	1.66	1.92	1.88	1.94

V3PR9 HYST - cy 0 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.22	0.88	0.63	0.63	0.56	0.60	0.66	0.64	0.67	0.91	1.10
CRMS0276 - Just east of Wilkinson Canal	1.23	1.49	1.21	1.17	1.11	1.00	0.71	0.69	0.89	0.92	0.99	1.24
Barataria Waterway at Lafitte (USACE82875)	1.67	1.71	1.28	1.05	1.13	1.17	1.03	0.98	1.07	1.09	1.53	1.58
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.10	0.74	0.57	0.59	0.55	0.58	0.63	0.63	0.64	0.84	0.95
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.41	1.22	0.77	0.68	0.63	0.71	0.78	0.88	0.83	1.04	1.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.28	1.26	1.04	0.68	0.61	0.56	0.58	0.58	0.67	0.69	0.82	1.09
USGS 07380335 - Little Lake Near Cutoff	1.20	1.25	1.04	0.71	0.62	0.57	0.58	0.56	0.66	0.67	0.78	1.03
USGS073802516 Barataria Pass at Grand Isle	1.26	1.26	1.05	0.70	0.62	0.57	0.57	0.55	0.66	0.66	0.80	1.05
HWQ14 - Lake Washington	1.40	1.36	1.17	0.74	0.66	0.59	0.65	0.67	0.78	0.77	0.96	1.24
HWQ16 - Bayou Grand Liard	1.05	1.24	1.10	0.89	0.83	0.74	0.61	0.63	0.69	0.65	0.77	0.99
CRMS 3985	1.57	1.51	1.40	0.94	0.84	0.75	0.93	1.01	1.03	1.00	1.23	1.48
CRMS 0258	1.13	1.25	0.87	0.78	0.87	0.68	0.64	0.66	0.64	0.67	1.03	1.15
CRMS 0224	1.16	1.15	0.81	0.63	0.60	0.55	0.54	0.55	0.63	0.65	0.81	0.97
CRMS 0163	1.83	1.82	1.71	1.57	1.54	1.49	1.34	1.42	1.71	1.81	1.92	1.86
CRMS 0162	1.93	1.92	1.93	1.87	1.81	1.83	1.91	1.82	1.67	1.92	1.88	1.94

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.06	-0.15	-0.06	-0.05	-0.07	-0.03	-0.04	-0.07	-0.07	-0.14	-0.13
Barataria Waterway at Lafitte (USACE82875)	-0.19	-0.15	-0.53	-0.53	-0.44	-0.33	-0.26	-0.32	-0.35	-0.43	-0.34	-0.27
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.03	0.04	0.03	0.01	0.01	0.03	0.01	-0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.00	0.00	0.01	0.00	-0.01	0.00	-0.02	-0.02	-0.04	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.01	-0.03	-0.01	-0.01	0.00	-0.01	-0.02	-0.02	-0.05	-0.04
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.03	-0.02
HWQ14 - Lake Washington	0.01	0.00	0.03	0.04	0.04	0.02	0.01	0.03	0.01	0.00	0.01	0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.02	-0.03	-0.03	-0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.04	-0.04
CRMS 3985	0.00	0.00	0.03	0.08	0.06	0.02	0.01	0.04	-0.01	-0.04	0.01	0.00
CRMS 0258	-0.02	0.00	0.01	-0.01	-0.02	-0.03	-0.01	-0.01	-0.01	-0.01	-0.06	-0.06
CRMS 0224	-0.02	-0.01	0.00	-0.02	-0.02	-0.02	-0.01	-0.01	-0.02	-0.01	-0.04	-0.04
CRMS 0163	-0.03	-0.01	-0.09	-0.09	-0.04	-0.07	-0.07	-0.04	-0.02	-0.01	-0.02	-0.04
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00

Figure WQ TOTN 38 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.37	1.34	1.02	0.67	0.67	0.63	0.66	0.72	0.65	0.68	0.89	1.06
CRMS0276 - Just east of Wilkinson Canal	1.37	1.67	1.59	1.47	1.38	1.38	1.04	1.07	1.33	1.15	1.07	1.21
Barataria Waterway at Lafitte (USACE82875)	1.88	1.85	1.88	1.79	1.67	1.65	1.56	1.55	1.59	1.56	1.84	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.29	1.34	0.89	0.64	0.70	0.66	0.62	0.66	0.67	0.67	0.90	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.38	1.11	0.66	0.60	0.61	0.72	0.69	0.78	0.75	0.97	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.33	1.05	0.70	0.62	0.59	0.62	0.63	0.70	0.70	0.84	1.06
USGS 07380335 - Little Lake Near Cutoff	1.24	1.36	1.13	0.82	0.69	0.63	0.64	0.73	0.78	0.74	0.82	0.99
USGS073802516 Barataria Pass at Grand Isle	1.27	1.33	1.06	0.75	0.67	0.63	0.63	0.69	0.71	0.70	0.80	1.00
HWQ14 - Lake Washington	1.36	1.33	1.04	0.63	0.57	0.57	0.67	0.60	0.72	0.70	0.89	1.18
HWQ16 - Bayou Grand Liard	1.15	1.40	1.29	1.09	1.00	0.97	0.92	1.03	0.96	0.80	0.74	0.92
CRMS 3985	1.51	1.45	1.19	0.69	0.62	0.68	0.96	0.86	0.91	0.86	1.15	1.45
CRMS 0258	1.38	1.55	1.37	0.97	1.05	1.10	1.10	1.16	0.99	0.83	1.18	1.29
CRMS 0224	1.25	1.38	0.99	0.78	0.75	0.73	0.65	0.65	0.73	0.74	0.92	1.03
CRMS 0163	1.83	1.80	1.86	1.80	1.73	1.65	1.55	1.63	1.83	1.85	1.95	1.90
CRMS 0162	1.91	1.92	1.96	1.95	1.94	1.90	1.93	1.93	1.93	1.94	1.88	1.95

V3PR9 HYST - cy 0 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.37	1.34	1.02	0.66	0.66	0.61	0.66	0.72	0.65	0.68	0.88	1.06
CRMS0276 - Just east of Wilkinson Canal	1.31	1.62	1.48	1.34	1.29	1.28	0.97	1.03	1.27	1.09	0.97	1.08
Barataria Waterway at Lafitte (USACE82875)	1.78	1.77	1.38	1.23	1.29	1.38	1.24	1.22	1.35	1.26	1.45	1.73
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.32	0.88	0.63	0.67	0.62	0.61	0.64	0.65	0.66	0.89	0.95
USGS7380251 Barataria Bay North of Grand Isle	1.45	1.39	1.14	0.68	0.60	0.62	0.74	0.70	0.79	0.80	0.98	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.32	1.04	0.68	0.60	0.58	0.61	0.62	0.70	0.70	0.81	1.04
USGS 07380335 - Little Lake Near Cutoff	1.22	1.33	1.11	0.79	0.66	0.61	0.63	0.72	0.78	0.73	0.78	0.94
USGS073802516 Barataria Pass at Grand Isle	1.27	1.31	1.06	0.74	0.65	0.62	0.63	0.68	0.73	0.70	0.78	0.98
HWQ14 - Lake Washington	1.39	1.34	1.08	0.64	0.57	0.58	0.69	0.62	0.73	0.74	0.90	1.22
HWQ16 - Bayou Grand Liard	1.12	1.37	1.26	1.05	0.97	0.96	0.91	1.02	0.96	0.77	0.71	0.88
CRMS 3985	1.53	1.47	1.24	0.72	0.63	0.70	0.98	0.88	0.93	0.94	1.16	1.48
CRMS 0258	1.34	1.52	1.35	0.94	1.01	1.07	1.08	1.14	0.97	0.81	1.12	1.13
CRMS 0224	1.22	1.35	0.97	0.73	0.70	0.67	0.62	0.63	0.72	0.72	0.87	0.98
CRMS 0163	1.82	1.80	1.83	1.76	1.72	1.63	1.53	1.60	1.81	1.83	1.92	1.89
CRMS 0162	1.91	1.92	1.96	1.95	1.94	1.90	1.93	1.93	1.93	1.94	1.89	1.95

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.00	0.00	-0.01	-0.01	-0.02	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.05	-0.11	-0.12	-0.09	-0.10	-0.06	-0.04	-0.06	-0.06	-0.10	-0.13
Barataria Waterway at Lafitte (USACE82875)	-0.11	-0.07	-0.50	-0.56	-0.38	-0.27	-0.32	-0.33	-0.25	-0.30	-0.38	-0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	-0.01	-0.02	-0.03	-0.04	-0.02	-0.01	-0.02	-0.01	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.01	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.05	0.01	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	-0.01	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	-0.03	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.02	-0.04	-0.04	-0.02	-0.01	0.00	0.01	-0.01	-0.05	-0.04
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.00	-0.01	-0.02	-0.01	-0.01	0.00	0.01	0.00	-0.02	-0.02
HWQ14 - Lake Washington	0.03	0.01	0.04	0.02	0.01	0.01	0.02	0.01	0.02	0.05	0.01	0.04
HWQ16 - Bayou Grand Liard	-0.03	-0.03	-0.03	-0.04	-0.02	-0.01	-0.01	-0.01	0.00	-0.03	-0.03	-0.04
CRMS 3985	0.02	0.02	0.06	0.04	0.01	0.02	0.02	0.02	0.02	0.08	0.02	0.03
CRMS 0258	-0.04	-0.02	-0.02	-0.04	-0.04	-0.04	-0.02	-0.01	-0.03	-0.02	-0.06	-0.16
CRMS 0224	-0.03	-0.03	-0.02	-0.05	-0.05	-0.06	-0.03	-0.02	-0.01	-0.02	-0.05	-0.06
CRMS 0163	-0.01	0.00	-0.04	-0.04	-0.01	-0.03	-0.02	-0.02	-0.02	-0.02	-0.03	-0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00

Figure WQ TOTN 39 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.30	1.03	0.67	0.66	0.62	0.66	0.72	0.65	0.67	0.86	1.09
CRMS0276 - Just east of Wilkinson Canal	1.42	1.52	1.48	1.49	1.55	1.51	1.10	1.05	1.28	1.06	1.01	1.46
Barataria Waterway at Lafitte (USACE82875)	1.94	1.98	1.82	1.79	1.77	1.74	1.56	1.50	1.57	1.52	1.83	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.33	0.91	0.65	0.70	0.68	0.64	0.66	0.65	0.65	0.86	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.41	1.41	1.21	0.68	0.59	0.59	0.64	0.68	0.79	0.76	0.94	1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.30	1.09	0.72	0.63	0.61	0.61	0.63	0.69	0.69	0.79	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.28	1.11	0.85	0.74	0.68	0.67	0.73	0.76	0.71	0.76	1.04
USGS073802516 Barataria Pass at Grand Isle	1.28	1.27	1.08	0.77	0.71	0.69	0.66	0.70	0.71	0.68	0.75	1.03
HWQ14 - Lake Washington	1.34	1.35	1.15	0.65	0.56	0.56	0.60	0.62	0.72	0.70	0.86	1.16
HWQ16 - Bayou Grand Liard	1.17	1.22	1.21	1.12	1.15	1.13	1.01	1.01	0.93	0.72	0.70	1.09
CRMS 3985	1.52	1.53	1.36	0.72	0.61	0.63	0.72	0.78	0.92	0.89	1.12	1.40
CRMS 0258	1.45	1.49	1.32	0.98	1.03	1.10	1.12	1.15	0.92	0.79	1.12	1.40
CRMS 0224	1.31	1.33	0.98	0.80	0.78	0.77	0.67	0.66	0.72	0.71	0.86	1.08
CRMS 0163	1.93	1.93	1.76	1.78	1.80	1.79	1.51	1.60	1.83	1.83	1.96	1.84
CRMS 0162	1.96	1.95	1.91	1.94	1.97	1.95	1.95	1.94	1.93	1.94	1.89	1.91

V3PR9 HYST - cy 0 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.32	1.04	0.67	0.65	0.60	0.65	0.72	0.65	0.67	0.87	1.11
CRMS0276 - Just east of Wilkinson Canal	1.41	1.47	1.29	1.37	1.43	1.40	1.02	1.01	1.26	1.01	0.92	1.32
Barataria Waterway at Lafitte (USACE82875)	1.83	1.81	1.68	1.20	1.32	1.44	1.24	1.19	1.31	1.23	1.53	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.34	0.92	0.64	0.67	0.64	0.61	0.64	0.62	0.64	0.86	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.45	1.44	1.25	0.74	0.60	0.61	0.74	0.69	0.81	0.81	1.00	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.31	1.31	1.08	0.71	0.62	0.59	0.62	0.63	0.69	0.69	0.79	1.06
USGS 07380335 - Little Lake Near Cutoff	1.28	1.29	1.08	0.81	0.71	0.64	0.64	0.72	0.77	0.71	0.75	1.00
USGS073802516 Barataria Pass at Grand Isle	1.30	1.29	1.08	0.76	0.70	0.66	0.65	0.69	0.72	0.69	0.77	1.03
HWQ14 - Lake Washington	1.38	1.38	1.19	0.71	0.58	0.58	0.70	0.62	0.74	0.75	0.92	1.22
HWQ16 - Bayou Grand Liard	1.18	1.22	1.16	1.07	1.12	1.09	0.96	1.00	0.95	0.72	0.68	1.05
CRMS 3985	1.55	1.55	1.39	0.83	0.63	0.69	0.98	0.87	0.95	0.96	1.19	1.46
CRMS 0258	1.41	1.50	1.25	0.97	0.99	1.07	1.09	1.13	0.88	0.77	1.07	1.32
CRMS 0224	1.30	1.34	0.96	0.75	0.73	0.72	0.64	0.63	0.71	0.70	0.83	1.02
CRMS 0163	1.92	1.93	1.75	1.75	1.81	1.77	1.51	1.59	1.80	1.81	1.94	1.83
CRMS 0162	1.96	1.96	1.91	1.93	1.97	1.95	1.95	1.93	1.93	1.93	1.89	1.91

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.02	0.02	0.01	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.01	0.01
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.04	-0.19	-0.12	-0.11	-0.11	-0.08	-0.04	-0.02	-0.05	-0.09	-0.13
Barataria Waterway at Lafitte (USACE82875)	-0.11	-0.17	-0.14	-0.59	-0.45	-0.30	-0.32	-0.31	-0.26	-0.29	-0.31	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.02	0.01	-0.01	-0.03	-0.03	-0.03	-0.02	-0.02	-0.02	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.04	0.03	0.04	0.06	0.01	0.03	0.10	0.01	0.02	0.05	0.06	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.01	0.00	-0.01	-0.01	-0.02	0.01	-0.01	0.00	0.01	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	-0.02	-0.04	-0.03	-0.04	-0.03	-0.01	0.02	0.00	-0.01	-0.04
USGS073802516 Barataria Pass at Grand Isle	0.02	0.01	0.00	-0.01	-0.01	-0.03	-0.02	-0.01	0.01	0.01	0.02	-0.01
HWQ14 - Lake Washington	0.04	0.03	0.04	0.06	0.01	0.02	0.10	0.00	0.02	0.05	0.06	0.06
HWQ16 - Bayou Grand Liard	0.01	0.00	-0.04	-0.05	-0.02	-0.04	-0.05	-0.01	0.01	0.00	-0.01	-0.03
CRMS 3985	0.03	0.03	0.04	0.11	0.02	0.06	0.26	0.10	0.03	0.07	0.07	0.05
CRMS 0258	-0.03	0.01	-0.07	-0.02	-0.04	-0.04	-0.03	-0.02	-0.03	-0.01	-0.06	-0.08
CRMS 0224	-0.01	0.01	-0.02	-0.05	-0.05	-0.05	-0.03	-0.02	-0.02	-0.02	-0.03	-0.06
CRMS 0163	-0.01	-0.01	-0.01	-0.04	0.01	-0.02	0.00	-0.01	-0.03	-0.02	-0.02	-0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00

Figure WQ TOTN 40 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.15	0.78	0.60	0.62	0.57	0.55	0.56	0.55	0.59	0.77	0.92
CRMS0276 - Just east of Wilkinson Canal	1.36	1.64	1.65	1.62	1.55	1.42	1.06	0.97	1.24	1.18	1.30	1.45
Barataria Waterway at Lafitte (USACE82875)	1.82	1.85	1.86	1.87	1.79	1.68	1.55	1.49	1.68	1.71	1.86	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.16	0.71	0.63	0.69	0.67	0.58	0.55	0.56	0.58	0.78	0.83
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.02	0.80	0.54	0.51	0.51	0.54	0.59	0.74	0.72	0.85	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.15	0.83	0.67	0.59	0.54	0.53	0.55	0.61	0.64	0.81	0.99
USGS 07380335 - Little Lake Near Cutoff	1.16	1.24	0.99	0.86	0.71	0.61	0.61	0.64	0.70	0.70	0.86	1.02
USGS073802516 Barataria Pass at Grand Isle	1.15	1.18	0.86	0.74	0.68	0.62	0.59	0.60	0.62	0.64	0.78	0.97
HWQ14 - Lake Washington	1.22	1.03	0.71	0.50	0.48	0.47	0.49	0.51	0.63	0.64	0.77	1.03
HWQ16 - Bayou Grand Liard	1.13	1.35	1.30	1.22	1.15	0.99	0.92	0.87	0.87	0.77	0.87	1.05
CRMS 3985	1.31	0.91	0.75	0.48	0.47	0.50	0.54	0.70	0.90	0.85	0.99	1.28
CRMS 0258	1.26	1.34	1.14	0.96	1.01	1.07	0.98	0.78	0.72	0.74	1.12	1.22
CRMS 0224	1.13	1.23	0.86	0.83	0.80	0.73	0.60	0.55	0.68	0.69	0.90	1.00
CRMS 0163	1.81	1.84	1.84	1.86	1.89	1.83	1.71	1.75	1.90	1.85	1.86	1.84
CRMS 0162	1.88	1.90	1.93	1.94	1.96	1.92	1.94	1.88	1.86	1.94	1.80	1.88

V3PR2 HYST - cy 1 - 1975 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.97	1.98	2.00	2.00	1.99	1.92	1.92	1.83	1.82	1.86	1.88
CRMS0276 - Just east of Wilkinson Canal	1.48	1.65	1.62	1.57	1.47	1.31	1.05	0.99	1.27	1.20	1.33	1.48
Barataria Waterway at Lafitte (USACE82875)	1.83	1.86	1.86	1.87	1.79	1.67	1.55	1.51	1.73	1.74	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.90	1.93	1.95	1.97	1.97	1.69	1.53	1.35	1.45	1.73	1.75
USGS7380251 Barataria Bay North of Grand Isle	1.48	1.60	1.63	1.53	1.47	1.15	0.95	0.87	0.85	0.88	1.15	1.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.57	1.71	1.73	1.67	1.66	1.50	1.12	0.85	0.90	0.91	1.13	1.35
USGS 07380335 - Little Lake Near Cutoff	1.48	1.64	1.67	1.56	1.52	1.33	1.04	0.81	0.89	0.86	1.07	1.26
USGS073802516 Barataria Pass at Grand Isle	1.36	1.50	1.42	1.21	1.09	0.89	0.82	0.74	0.78	0.79	0.99	1.19
HWQ14 - Lake Washington	1.23	1.35	1.25	1.01	0.89	0.74	0.70	0.66	0.71	0.75	0.94	1.18
HWQ16 - Bayou Grand Liard	1.25	1.46	1.45	1.32	1.24	1.06	0.96	0.90	0.91	0.82	0.91	1.10
CRMS 3985	1.19	1.33	1.31	1.07	0.97	0.82	0.80	0.79	0.80	0.84	1.02	1.28
CRMS 0258	1.62	1.65	1.63	1.36	1.34	1.28	1.17	1.04	0.88	0.88	1.34	1.36
CRMS 0224	1.59	1.65	1.64	1.44	1.34	1.21	1.03	0.85	0.90	0.94	1.23	1.32
CRMS 0163	1.81	1.85	1.84	1.85	1.89	1.82	1.71	1.77	1.95	1.86	1.86	1.85
CRMS 0162	1.88	1.91	1.92	1.94	1.96	1.91	1.93	1.91	1.90	1.94	1.81	1.89

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.82	1.20	1.40	1.38	1.42	1.37	1.36	1.28	1.23	1.08	0.96
CRMS0276 - Just east of Wilkinson Canal	0.11	0.01	-0.03	-0.04	-0.07	-0.11	-0.01	0.02	0.03	0.02	0.03	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	0.00	-0.01	0.00	0.02	0.05	0.03	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.68	0.74	1.22	1.32	1.28	1.30	1.12	0.98	0.79	0.87	0.95	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.59	0.83	0.99	0.96	0.64	0.41	0.28	0.11	0.16	0.30	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.56	0.90	1.00	1.07	0.96	0.59	0.31	0.29	0.27	0.32	0.36
USGS 07380335 - Little Lake Near Cutoff	0.33	0.40	0.68	0.69	0.81	0.72	0.43	0.17	0.20	0.16	0.21	0.24
USGS073802516 Barataria Pass at Grand Isle	0.21	0.32	0.56	0.47	0.41	0.28	0.23	0.14	0.16	0.15	0.21	0.21
HWQ14 - Lake Washington	0.01	0.31	0.54	0.50	0.40	0.27	0.21	0.15	0.08	0.11	0.17	0.15
HWQ16 - Bayou Grand Liard	0.12	0.11	0.15	0.10	0.09	0.08	0.04	0.03	0.05	0.04	0.04	0.05
CRMS 3985	-0.12	0.43	0.56	0.58	0.50	0.32	0.27	0.09	-0.10	-0.01	0.03	0.01
CRMS 0258	0.36	0.31	0.49	0.40	0.33	0.21	0.20	0.27	0.16	0.14	0.22	0.15
CRMS 0224	0.46	0.43	0.78	0.62	0.53	0.48	0.43	0.30	0.22	0.24	0.33	0.32
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.05	0.01	0.01	0.01
CRMS 0162	0.00	0.01	0.00	0.00	0.00	-0.01	-0.01	0.03	0.04	0.01	0.01	0.01

Figure WQ TOTN 41 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.16	1.12	0.80	0.62	0.63	0.58	0.56	0.60	0.58	0.61	0.72	0.81
CRMS0276 - Just east of Wilkinson Canal	1.33	1.64	1.66	1.59	1.57	1.35	1.00	0.97	1.20	0.98	1.09	1.54
Barataria Waterway at Lafitte (USACE82875)	1.84	1.84	1.85	1.87	1.81	1.62	1.55	1.51	1.66	1.57	1.86	1.91
USGS2928590900040000 Barataria Waterway South of Lafitte	1.06	1.10	0.71	0.63	0.70	0.68	0.58	0.58	0.58	0.59	0.74	0.78
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.93	0.61	0.56	0.55	0.60	0.77	0.77	0.73	0.73	0.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.06	1.12	0.90	0.70	0.62	0.57	0.56	0.61	0.64	0.64	0.70	0.77
USGS 07380335 - Little Lake Near Cutoff	1.07	1.21	1.03	0.86	0.74	0.62	0.61	0.67	0.72	0.66	0.72	0.90
USGS073802516 Barataria Pass at Grand Isle	1.04	1.15	0.92	0.75	0.71	0.63	0.59	0.63	0.66	0.63	0.68	0.79
HWQ14 - Lake Washington	1.09	1.04	0.82	0.56	0.53	0.52	0.54	0.65	0.66	0.65	0.70	0.66
HWQ16 - Bayou Grand Liard	1.09	1.34	1.34	1.20	1.19	0.94	0.85	0.89	0.87	0.66	0.72	1.04
CRMS 3985	1.24	1.07	1.00	0.60	0.56	0.59	0.68	1.00	0.91	0.85	0.68	0.88
CRMS 0258	1.20	1.30	1.12	0.96	1.01	1.05	0.88	0.74	0.70	0.70	0.94	1.19
CRMS 0224	1.04	1.18	0.88	0.83	0.82	0.75	0.59	0.58	0.69	0.67	0.77	0.92
CRMS 0163	1.84	1.81	1.84	1.87	1.89	1.82	1.74	1.75	1.91	1.80	1.90	1.83
CRMS 0162	1.89	1.89	1.93	1.95	1.97	1.92	1.93	1.85	1.75	1.75	1.83	1.87

V3PR2 HYST - cy 1 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.97	1.99	1.99	2.00	1.98	1.89	1.91	1.84	1.84	1.85	1.91
CRMS0276 - Just east of Wilkinson Canal	1.48	1.64	1.63	1.55	1.49	1.32	1.01	1.01	1.22	1.02	1.12	1.51
Barataria Waterway at Lafitte (USACE82875)	1.85	1.85	1.86	1.87	1.82	1.63	1.57	1.55	1.70	1.61	1.85	1.90
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.89	1.93	1.95	1.97	1.78	1.64	1.55	1.36	1.49	1.72	1.78
USGS7380251 Barataria Bay North of Grand Isle	1.53	1.60	1.64	1.54	1.47	0.89	0.78	0.82	0.82	0.85	1.11	1.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.57	1.70	1.74	1.68	1.67	1.06	0.82	0.82	0.87	0.88	1.05	1.46
USGS 07380335 - Little Lake Near Cutoff	1.50	1.64	1.68	1.55	1.54	1.00	0.77	0.79	0.85	0.80	0.95	1.35
USGS073802516 Barataria Pass at Grand Isle	1.42	1.50	1.45	1.20	1.10	0.83	0.69	0.72	0.75	0.74	0.90	1.22
HWQ14 - Lake Washington	1.34	1.38	1.28	1.00	0.90	0.70	0.64	0.65	0.69	0.73	0.90	1.18
HWQ16 - Bayou Grand Liard	1.25	1.46	1.48	1.30	1.27	1.01	0.87	0.92	0.88	0.70	0.78	1.14
CRMS 3985	1.38	1.41	1.35	1.07	0.98	0.75	0.74	0.77	0.80	0.82	1.00	1.32
CRMS 0258	1.63	1.61	1.61	1.35	1.35	1.15	0.99	0.90	0.79	0.80	1.16	1.44
CRMS 0224	1.61	1.62	1.63	1.44	1.35	0.98	0.80	0.78	0.84	0.87	1.12	1.40
CRMS 0163	1.84	1.82	1.84	1.88	1.89	1.82	1.75	1.78	1.95	1.82	1.87	1.83
CRMS 0162	1.88	1.90	1.93	1.94	1.97	1.91	1.93	1.89	1.77	1.76	1.80	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.77	0.85	1.19	1.37	1.38	1.40	1.33	1.30	1.26	1.23	1.13	1.10
CRMS0276 - Just east of Wilkinson Canal	0.15	0.00	-0.03	-0.04	-0.09	-0.03	0.01	0.04	0.02	0.04	0.03	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.04	0.04	0.04	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.83	0.79	1.22	1.32	1.27	1.10	1.06	0.97	0.78	0.90	0.98	1.00
USGS7380251 Barataria Bay North of Grand Isle	0.32	0.52	0.71	0.94	0.91	0.33	0.19	0.06	0.06	0.13	0.38	0.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.51	0.57	0.84	0.98	1.05	0.49	0.26	0.21	0.23	0.24	0.35	0.69
USGS 07380335 - Little Lake Near Cutoff	0.43	0.43	0.65	0.69	0.79	0.38	0.16	0.12	0.13	0.14	0.23	0.45
USGS073802516 Barataria Pass at Grand Isle	0.38	0.35	0.53	0.45	0.39	0.20	0.10	0.09	0.10	0.12	0.22	0.43
HWQ14 - Lake Washington	0.26	0.35	0.46	0.44	0.37	0.18	0.10	0.00	0.03	0.08	0.20	0.52
HWQ16 - Bayou Grand Liard	0.16	0.12	0.14	0.10	0.08	0.07	0.02	0.03	0.01	0.04	0.06	0.10
CRMS 3985	0.15	0.33	0.35	0.47	0.42	0.16	0.06	-0.23	-0.11	-0.03	0.32	0.44
CRMS 0258	0.44	0.31	0.49	0.39	0.33	0.09	0.11	0.17	0.09	0.10	0.22	0.25
CRMS 0224	0.57	0.44	0.75	0.61	0.53	0.24	0.21	0.21	0.15	0.20	0.34	0.48
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.04	0.04	0.02	-0.02	0.00
CRMS 0162	-0.01	0.01	0.00	0.00	0.00	-0.01	0.00	0.05	0.02	0.02	-0.03	0.00

Figure WQ TOTN 42 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.07	0.72	0.56	0.56	0.47	0.49	0.54	0.54	0.59	0.79	0.82
CRMS0276 - Just east of Wilkinson Canal	1.20	1.57	1.45	1.40	1.36	1.13	0.69	0.67	0.94	1.04	1.32	1.49
Barataria Waterway at Lafitte (USACE82875)	1.79	1.83	1.84	1.80	1.73	1.50	1.27	1.33	1.50	1.72	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.03	0.64	0.55	0.57	0.51	0.48	0.52	0.52	0.55	0.75	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.98	0.63	0.49	0.48	0.67	0.67	0.77	0.80	0.82	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.05	1.09	0.85	0.64	0.53	0.47	0.50	0.50	0.58	0.61	0.79	0.82
USGS 07380335 - Little Lake Near Cutoff	1.02	1.15	0.92	0.75	0.61	0.51	0.50	0.50	0.61	0.63	0.84	0.94
USGS073802516 Barataria Pass at Grand Isle	1.03	1.11	0.86	0.68	0.59	0.51	0.48	0.48	0.57	0.60	0.77	0.84
HWQ14 - Lake Washington	1.12	1.04	0.88	0.60	0.46	0.44	0.56	0.55	0.64	0.67	0.77	0.72
HWQ16 - Bayou Grand Liard	1.02	1.26	1.12	0.98	0.93	0.77	0.59	0.59	0.67	0.67	0.86	1.06
CRMS 3985	1.27	1.09	1.16	0.66	0.43	0.54	0.95	0.91	0.94	0.98	0.75	0.95
CRMS 0258	0.99	1.18	0.80	0.82	0.86	0.66	0.56	0.54	0.54	0.59	1.04	1.18
CRMS 0224	0.99	1.10	0.75	0.70	0.63	0.54	0.47	0.48	0.58	0.60	0.84	0.93
CRMS 0163	1.82	1.83	1.84	1.84	1.78	1.67	1.51	1.60	1.81	1.84	1.87	1.84
CRMS 0162	1.87	1.87	1.90	1.86	1.80	1.77	1.86	1.70	1.41	1.90	1.86	1.89

V3PR2 HYST - cy 1 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.90	1.95	1.96	1.87	1.92	1.84	1.88	1.89	1.80	1.79	1.81	1.86
CRMS0276 - Just east of Wilkinson Canal	1.30	1.58	1.47	1.42	1.32	1.12	0.74	0.72	0.97	1.08	1.33	1.49
Barataria Waterway at Lafitte (USACE82875)	1.80	1.84	1.87	1.81	1.74	1.52	1.32	1.37	1.54	1.76	1.87	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	1.85	1.79	1.51	1.70	1.22	1.42	1.38	1.20	1.35	1.58	1.68
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.44	1.31	1.04	1.11	0.68	0.70	0.75	0.78	0.80	1.08	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.35	1.52	1.33	1.07	1.24	0.71	0.68	0.69	0.76	0.79	1.04	1.30
USGS 07380335 - Little Lake Near Cutoff	1.25	1.45	1.25	1.06	1.08	0.68	0.62	0.61	0.72	0.73	0.99	1.22
USGS073802516 Barataria Pass at Grand Isle	1.24	1.34	1.09	0.89	0.78	0.62	0.57	0.56	0.65	0.68	0.90	1.14
HWQ14 - Lake Washington	1.27	1.21	1.00	0.76	0.67	0.57	0.57	0.59	0.66	0.68	0.86	1.12
HWQ16 - Bayou Grand Liard	1.08	1.32	1.17	1.05	0.95	0.81	0.64	0.64	0.72	0.70	0.90	1.11
CRMS 3985	1.31	1.18	1.03	0.77	0.73	0.63	0.67	0.73	0.83	0.81	0.97	1.25
CRMS 0258	1.37	1.45	1.04	0.91	1.01	0.72	0.67	0.69	0.62	0.67	1.16	1.32
CRMS 0224	1.37	1.47	1.15	0.97	0.95	0.69	0.65	0.66	0.70	0.75	1.08	1.26
CRMS 0163	1.83	1.84	1.86	1.84	1.78	1.67	1.55	1.63	1.85	1.87	1.85	1.84
CRMS 0162	1.86	1.88	1.91	1.85	1.79	1.78	1.91	1.70	1.43	1.93	1.83	1.89

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.87	1.24	1.32	1.37	1.37	1.38	1.35	1.26	1.20	1.02	1.04
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	0.01	0.03	-0.05	-0.01	0.05	0.05	0.03	0.04	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.03	0.01	0.00	0.01	0.05	0.04	0.04	0.04	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.74	0.82	1.16	0.96	1.13	0.71	0.93	0.87	0.68	0.81	0.84	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.36	0.32	0.41	0.62	0.21	0.03	0.08	0.02	0.00	0.27	0.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.43	0.47	0.43	0.72	0.24	0.18	0.19	0.18	0.18	0.25	0.48
USGS 07380335 - Little Lake Near Cutoff	0.23	0.30	0.33	0.31	0.47	0.17	0.13	0.11	0.11	0.10	0.15	0.29
USGS073802516 Barataria Pass at Grand Isle	0.21	0.23	0.23	0.22	0.19	0.11	0.08	0.08	0.08	0.08	0.13	0.30
HWQ14 - Lake Washington	0.15	0.17	0.11	0.16	0.20	0.13	0.01	0.04	0.02	0.00	0.10	0.39
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.02	0.04	0.05	0.04	0.04	0.03	0.04	0.05
CRMS 3985	0.04	0.09	-0.13	0.10	0.30	0.08	-0.28	-0.18	-0.11	-0.17	0.22	0.30
CRMS 0258	0.38	0.27	0.23	0.09	0.15	0.06	0.11	0.14	0.08	0.08	0.12	0.14
CRMS 0224	0.39	0.37	0.40	0.27	0.31	0.15	0.17	0.18	0.13	0.15	0.24	0.32
CRMS 0163	0.01	0.01	0.03	0.00	0.00	0.01	0.05	0.03	0.04	0.02	-0.02	0.01
CRMS 0162	0.00	0.01	0.01	-0.01	-0.01	0.01	0.05	0.00	0.02	0.03	-0.03	0.00

Figure WQ TOTN 43 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.27	0.91	0.64	0.64	0.58	0.59	0.63	0.61	0.64	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.38	1.67	1.62	1.57	1.51	1.42	1.13	1.16	1.44	1.17	1.14	1.36
Barataria Waterway at Lafitte (USACE82875)	1.83	1.84	1.89	1.86	1.76	1.68	1.67	1.63	1.68	1.66	1.76	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.24	0.80	0.64	0.69	0.66	0.59	0.60	0.64	0.65	0.83	0.86
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.33	1.06	0.64	0.58	0.56	0.60	0.64	0.75	0.74	0.86	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.28	1.00	0.71	0.61	0.57	0.57	0.61	0.66	0.68	0.79	0.96
USGS 07380335 - Little Lake Near Cutoff	1.18	1.33	1.10	0.87	0.71	0.64	0.65	0.75	0.76	0.74	0.81	0.95
USGS073802516 Barataria Pass at Grand Isle	1.19	1.28	1.01	0.76	0.67	0.64	0.63	0.70	0.69	0.68	0.75	0.93
HWQ14 - Lake Washington	1.26	1.26	0.96	0.60	0.54	0.52	0.55	0.56	0.65	0.67	0.78	1.04
HWQ16 - Bayou Grand Liard	1.18	1.41	1.31	1.16	1.06	1.03	1.01	1.08	1.00	0.78	0.75	0.96
CRMS 3985	1.46	1.39	1.12	0.65	0.59	0.60	0.67	0.71	0.89	0.86	1.00	1.33
CRMS 0258	1.25	1.38	1.17	0.96	1.01	1.06	1.03	1.06	0.96	0.85	1.15	1.17
CRMS 0224	1.15	1.29	0.93	0.82	0.78	0.74	0.61	0.61	0.78	0.76	0.90	0.96
CRMS 0163	1.80	1.82	1.89	1.87	1.85	1.81	1.77	1.78	1.91	1.84	1.83	1.83
CRMS 0162	1.88	1.91	1.95	1.92	1.92	1.89	1.93	1.91	1.89	1.94	1.75	1.88

V3PR2 HYST - cy 1 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.98	1.99	1.99	1.99	1.98	1.92	1.85	1.85	1.90	1.88
CRMS0276 - Just east of Wilkinson Canal	1.50	1.68	1.59	1.55	1.44	1.34	1.14	1.17	1.48	1.21	1.20	1.38
Barataria Waterway at Lafitte (USACE82875)	1.84	1.85	1.89	1.86	1.76	1.68	1.67	1.64	1.73	1.70	1.79	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.91	1.95	1.94	1.96	1.96	1.94	1.65	1.32	1.45	1.78	1.76
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.65	1.68	1.52	1.43	1.19	1.17	1.11	0.89	0.90	1.19	1.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.65	1.73	1.76	1.64	1.56	1.55	1.54	1.31	0.97	0.95	1.15	1.35
USGS 07380335 - Little Lake Near Cutoff	1.55	1.68	1.69	1.52	1.41	1.38	1.36	1.21	0.99	0.91	1.06	1.23
USGS073802516 Barataria Pass at Grand Isle	1.46	1.56	1.45	1.19	1.02	0.91	0.93	0.97	0.87	0.83	0.99	1.18
HWQ14 - Lake Washington	1.40	1.45	1.30	1.02	0.86	0.76	0.75	0.76	0.73	0.76	0.96	1.19
HWQ16 - Bayou Grand Liard	1.29	1.51	1.44	1.26	1.15	1.10	1.05	1.11	1.08	0.84	0.82	1.03
CRMS 3985	1.46	1.44	1.35	1.06	0.94	0.84	0.87	0.89	0.77	0.80	1.01	1.34
CRMS 0258	1.65	1.67	1.65	1.30	1.28	1.31	1.39	1.37	1.21	1.03	1.45	1.41
CRMS 0224	1.64	1.67	1.66	1.39	1.25	1.26	1.33	1.15	1.05	1.03	1.29	1.34
CRMS 0163	1.81	1.82	1.89	1.87	1.85	1.81	1.76	1.79	1.95	1.86	1.85	1.83
CRMS 0162	1.89	1.91	1.95	1.92	1.92	1.90	1.93	1.92	1.93	1.96	1.77	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.71	1.08	1.35	1.35	1.41	1.40	1.29	1.24	1.21	1.09	0.94
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	-0.03	-0.02	-0.07	-0.08	0.00	0.01	0.04	0.04	0.07	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.04	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.66	1.15	1.30	1.27	1.30	1.35	1.05	0.68	0.80	0.95	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.31	0.62	0.88	0.86	0.63	0.56	0.46	0.14	0.16	0.32	0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.45	0.76	0.93	0.95	0.98	0.97	0.70	0.31	0.27	0.36	0.40
USGS 07380335 - Little Lake Near Cutoff	0.36	0.35	0.59	0.65	0.70	0.74	0.71	0.46	0.22	0.17	0.25	0.28
USGS073802516 Barataria Pass at Grand Isle	0.28	0.27	0.44	0.43	0.35	0.27	0.30	0.27	0.18	0.15	0.24	0.25
HWQ14 - Lake Washington	0.14	0.19	0.33	0.42	0.31	0.23	0.20	0.20	0.08	0.09	0.18	0.16
HWQ16 - Bayou Grand Liard	0.10	0.10	0.13	0.10	0.09	0.08	0.05	0.03	0.07	0.06	0.07	0.07
CRMS 3985	0.00	0.05	0.23	0.42	0.36	0.24	0.20	0.18	-0.12	-0.06	0.01	0.01
CRMS 0258	0.40	0.29	0.48	0.34	0.27	0.25	0.36	0.31	0.25	0.18	0.30	0.24
CRMS 0224	0.49	0.38	0.73	0.57	0.48	0.52	0.72	0.54	0.27	0.27	0.40	0.38
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.05	0.02	0.02	0.00
CRMS 0162	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.05	0.01	0.03	0.00

Figure WQ TOTN 44 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.22	0.91	0.63	0.62	0.58	0.59	0.63	0.59	0.63	0.75	0.89
CRMS0276 - Just east of Wilkinson Canal	1.38	1.53	1.59	1.58	1.64	1.39	1.11	1.20	1.38	1.08	1.01	1.58
Barataria Waterway at Lafitte (USACE82875)	1.86	1.89	1.82	1.85	1.82	1.71	1.65	1.60	1.67	1.60	1.80	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.19	0.80	0.64	0.69	0.67	0.60	0.60	0.60	0.61	0.77	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.31	1.10	0.65	0.56	0.55	0.60	0.64	0.75	0.78	0.75	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.23	0.99	0.73	0.63	0.58	0.57	0.61	0.66	0.67	0.71	0.84
USGS 07380335 - Little Lake Near Cutoff	1.16	1.23	1.06	0.89	0.77	0.65	0.64	0.74	0.77	0.71	0.71	0.93
USGS073802516 Barataria Pass at Grand Isle	1.15	1.21	0.99	0.79	0.73	0.66	0.63	0.69	0.69	0.67	0.69	0.85
HWQ14 - Lake Washington	1.20	1.25	1.00	0.62	0.53	0.52	0.54	0.56	0.65	0.69	0.72	0.81
HWQ16 - Bayou Grand Liard	1.16	1.23	1.24	1.19	1.24	1.09	1.02	1.05	0.97	0.73	0.69	1.10
CRMS 3985	1.44	1.34	1.23	0.69	0.56	0.58	0.66	0.71	0.88	0.93	0.75	1.14
CRMS 0258	1.22	1.22	1.17	0.97	1.00	1.04	1.05	1.06	0.92	0.82	0.96	1.21
CRMS 0224	1.14	1.20	0.91	0.84	0.83	0.76	0.64	0.63	0.77	0.71	0.78	0.94
CRMS 0163	1.88	1.90	1.78	1.85	1.81	1.91	1.75	1.80	1.91	1.80	1.88	1.79
CRMS 0162	1.87	1.86	1.88	1.91	1.90	1.97	1.95	1.91	1.88	1.85	1.80	1.87

V3PR2 HYST - cy 1 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	1.92	1.96	1.98	1.96	2.01	1.99	1.91	1.86	1.86	1.89	1.96
CRMS0276 - Just east of Wilkinson Canal	1.54	1.55	1.56	1.56	1.55	1.31	1.14	1.14	1.42	1.12	1.10	1.61
Barataria Waterway at Lafitte (USACE82875)	1.87	1.89	1.83	1.86	1.82	1.71	1.64	1.61	1.73	1.64	1.81	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.15	1.90	1.87	1.93	1.90	1.97	1.96	1.53	1.36	1.49	1.78	1.87
USGS7380251 Barataria Bay North of Grand Isle	1.54	1.49	1.57	1.53	1.46	1.22	1.17	0.95	0.86	0.88	1.16	1.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.56	1.49	1.64	1.65	1.61	1.60	1.55	1.01	0.95	0.93	1.10	1.69
USGS 07380335 - Little Lake Near Cutoff	1.49	1.44	1.58	1.53	1.50	1.44	1.36	0.99	0.96	0.87	0.99	1.59
USGS073802516 Barataria Pass at Grand Isle	1.44	1.38	1.37	1.21	1.10	0.92	0.93	0.87	0.84	0.81	0.94	1.40
HWQ14 - Lake Washington	1.37	1.36	1.27	1.04	0.90	0.75	0.74	0.71	0.71	0.75	0.93	1.27
HWQ16 - Bayou Grand Liard	1.26	1.28	1.35	1.29	1.29	1.13	1.06	1.06	1.03	0.78	0.77	1.29
CRMS 3985	1.43	1.45	1.38	1.10	0.99	0.85	0.86	0.83	0.74	0.79	0.98	1.37
CRMS 0258	1.78	1.55	1.52	1.34	1.31	1.34	1.40	1.35	1.13	0.97	1.38	1.65
CRMS 0224	1.68	1.51	1.52	1.42	1.32	1.33	1.38	1.07	1.00	0.98	1.22	1.62
CRMS 0163	1.89	1.89	1.78	1.85	1.81	1.91	1.75	1.81	1.97	1.84	1.87	1.81
CRMS 0162	1.87	1.85	1.89	1.91	1.90	1.96	1.95	1.92	1.94	1.87	1.78	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.77	0.70	1.05	1.35	1.33	1.42	1.40	1.28	1.27	1.23	1.14	1.07
CRMS0276 - Just east of Wilkinson Canal	0.15	0.02	-0.03	-0.02	-0.09	-0.09	0.03	-0.05	0.03	0.05	0.09	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.00	0.01	0.00	0.00	-0.01	-0.01	0.01	0.06	0.04	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.99	0.71	1.07	1.28	1.21	1.30	1.36	0.93	0.76	0.87	1.01	1.03
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.17	0.47	0.88	0.90	0.67	0.57	0.31	0.12	0.11	0.41	0.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.27	0.65	0.92	0.99	1.02	0.98	0.40	0.29	0.26	0.39	0.84
USGS 07380335 - Little Lake Near Cutoff	0.33	0.20	0.52	0.64	0.73	0.79	0.72	0.25	0.19	0.16	0.28	0.67
USGS073802516 Barataria Pass at Grand Isle	0.29	0.17	0.38	0.42	0.37	0.26	0.30	0.18	0.15	0.14	0.25	0.56
HWQ14 - Lake Washington	0.17	0.12	0.27	0.42	0.37	0.23	0.20	0.15	0.06	0.05	0.21	0.46
HWQ16 - Bayou Grand Liard	0.10	0.05	0.12	0.11	0.05	0.04	0.04	0.01	0.06	0.05	0.08	0.18
CRMS 3985	-0.01	0.10	0.15	0.41	0.43	0.27	0.20	0.12	-0.14	-0.14	0.23	0.22
CRMS 0258	0.55	0.33	0.34	0.37	0.31	0.30	0.36	0.29	0.22	0.15	0.42	0.44
CRMS 0224	0.54	0.31	0.61	0.58	0.49	0.57	0.74	0.44	0.23	0.27	0.44	0.68
CRMS 0163	0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	0.01	0.06	0.03	-0.01	0.01
CRMS 0162	0.00	-0.01	0.01	0.00	0.00	-0.01	0.00	0.01	0.05	0.03	-0.02	0.01

Figure WQ TOTN 45 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.15	0.78	0.60	0.62	0.57	0.55	0.56	0.55	0.59	0.77	0.92
CRMS0276 - Just east of Wilkinson Canal	1.36	1.64	1.65	1.62	1.55	1.42	1.06	0.97	1.24	1.18	1.30	1.45
Barataria Waterway at Lafitte (USACE82875)	1.82	1.85	1.86	1.87	1.79	1.68	1.55	1.49	1.68	1.71	1.86	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.16	0.71	0.63	0.69	0.67	0.58	0.55	0.56	0.58	0.78	0.83
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.02	0.80	0.54	0.51	0.51	0.54	0.59	0.74	0.72	0.85	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.15	0.83	0.67	0.59	0.54	0.53	0.55	0.61	0.64	0.81	0.99
USGS 07380335 - Little Lake Near Cutoff	1.16	1.24	0.99	0.86	0.71	0.61	0.61	0.64	0.70	0.70	0.86	1.02
USGS073802516 Barataria Pass at Grand Isle	1.15	1.18	0.86	0.74	0.68	0.62	0.59	0.60	0.62	0.64	0.78	0.97
HWQ14 - Lake Washington	1.22	1.03	0.71	0.50	0.48	0.47	0.49	0.51	0.63	0.64	0.77	1.03
HWQ16 - Bayou Grand Liard	1.13	1.35	1.30	1.22	1.15	0.99	0.92	0.87	0.87	0.77	0.87	1.05
CRMS 3985	1.31	0.91	0.75	0.48	0.47	0.50	0.54	0.70	0.90	0.85	0.99	1.28
CRMS 0258	1.26	1.34	1.14	0.96	1.01	1.07	0.98	0.78	0.72	0.74	1.12	1.22
CRMS 0224	1.13	1.23	0.86	0.83	0.80	0.73	0.60	0.55	0.68	0.69	0.90	1.00
CRMS 0163	1.81	1.84	1.84	1.86	1.89	1.83	1.71	1.75	1.90	1.85	1.86	1.84
CRMS 0162	1.88	1.90	1.93	1.94	1.96	1.92	1.94	1.88	1.86	1.94	1.80	1.88

V3PR3 HYST - cy 1 - 1975 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.97	1.98	2.00	2.00	1.99	1.93	1.92	1.84	1.82	1.86	1.87
CRMS0276 - Just east of Wilkinson Canal	1.49	1.65	1.62	1.57	1.47	1.30	1.05	0.99	1.27	1.20	1.33	1.48
Barataria Waterway at Lafitte (USACE82875)	1.81	1.85	1.85	1.86	1.78	1.66	1.54	1.50	1.71	1.73	1.87	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.82	1.88	1.90	1.92	1.95	1.96	1.61	1.46	1.29	1.38	1.71	1.72
USGS7380251 Barataria Bay North of Grand Isle	1.56	1.63	1.65	1.55	1.48	1.16	0.96	0.87	0.85	0.88	1.15	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.59	1.72	1.73	1.67	1.66	1.50	1.12	0.86	0.90	0.91	1.13	1.35
USGS 07380335 - Little Lake Near Cutoff	1.50	1.65	1.67	1.55	1.52	1.32	1.04	0.81	0.89	0.86	1.06	1.26
USGS073802516 Barataria Pass at Grand Isle	1.41	1.53	1.44	1.21	1.08	0.89	0.82	0.73	0.78	0.79	0.98	1.18
HWQ14 - Lake Washington	1.34	1.41	1.28	1.02	0.89	0.74	0.69	0.66	0.70	0.75	0.93	1.17
HWQ16 - Bayou Grand Liard	1.26	1.46	1.45	1.32	1.23	1.06	0.96	0.88	0.90	0.81	0.91	1.10
CRMS 3985	1.41	1.40	1.34	1.09	0.98	0.83	0.80	0.78	0.81	0.83	1.00	1.30
CRMS 0258	1.61	1.65	1.62	1.34	1.32	1.27	1.18	1.04	0.88	0.88	1.34	1.36
CRMS 0224	1.59	1.65	1.63	1.43	1.33	1.22	1.04	0.85	0.90	0.93	1.23	1.32
CRMS 0163	1.80	1.84	1.83	1.85	1.89	1.81	1.69	1.74	1.93	1.86	1.86	1.84
CRMS 0162	1.87	1.91	1.92	1.94	1.95	1.90	1.93	1.90	1.89	1.94	1.81	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.82	1.20	1.40	1.38	1.42	1.38	1.36	1.28	1.23	1.09	0.95
CRMS0276 - Just east of Wilkinson Canal	0.12	0.00	-0.03	-0.05	-0.08	-0.11	-0.01	0.02	0.03	0.02	0.03	0.02
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	0.03	0.02	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.65	0.72	1.19	1.30	1.26	1.29	1.04	0.91	0.73	0.80	0.92	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.61	0.84	1.01	0.97	0.65	0.42	0.28	0.11	0.16	0.30	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.42	0.56	0.90	1.00	1.07	0.96	0.59	0.31	0.29	0.27	0.32	0.36
USGS 07380335 - Little Lake Near Cutoff	0.35	0.41	0.68	0.69	0.81	0.72	0.43	0.16	0.19	0.16	0.20	0.24
USGS073802516 Barataria Pass at Grand Isle	0.26	0.35	0.58	0.47	0.41	0.28	0.23	0.13	0.15	0.15	0.20	0.21
HWQ14 - Lake Washington	0.12	0.38	0.57	0.52	0.40	0.27	0.21	0.15	0.08	0.11	0.16	0.14
HWQ16 - Bayou Grand Liard	0.13	0.11	0.15	0.10	0.09	0.07	0.04	0.01	0.04	0.04	0.04	0.06
CRMS 3985	0.10	0.50	0.59	0.60	0.51	0.32	0.27	0.08	-0.09	-0.02	0.01	0.02
CRMS 0258	0.36	0.31	0.48	0.38	0.31	0.20	0.20	0.27	0.16	0.14	0.22	0.15
CRMS 0224	0.46	0.42	0.77	0.60	0.53	0.48	0.44	0.30	0.22	0.24	0.32	0.31
CRMS 0163	-0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.01	0.03	0.01	0.01	0.00
CRMS 0162	-0.01	0.00	-0.01	-0.01	-0.01	-0.02	-0.01	0.03	0.03	0.00	0.01	0.00

Figure WQ TOTN 46 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.16	1.12	0.80	0.62	0.63	0.58	0.56	0.60	0.58	0.61	0.72	0.81
CRMS0276 - Just east of Wilkinson Canal	1.33	1.64	1.66	1.59	1.57	1.35	1.00	0.97	1.20	0.98	1.09	1.54
Barataria Waterway at Lafitte (USACE82875)	1.84	1.84	1.85	1.87	1.81	1.62	1.55	1.51	1.66	1.57	1.86	1.91
USGS2928590900040000 Barataria Waterway South of Lafitte	1.06	1.10	0.71	0.63	0.70	0.68	0.58	0.58	0.58	0.59	0.74	0.78
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.93	0.61	0.56	0.55	0.60	0.77	0.77	0.73	0.73	0.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.06	1.12	0.90	0.70	0.62	0.57	0.56	0.61	0.64	0.64	0.70	0.77
USGS 07380335 - Little Lake Near Cutoff	1.07	1.21	1.03	0.86	0.74	0.62	0.61	0.67	0.72	0.66	0.72	0.90
USGS073802516 Barataria Pass at Grand Isle	1.04	1.15	0.92	0.75	0.71	0.63	0.59	0.63	0.66	0.63	0.68	0.79
HWQ14 - Lake Washington	1.09	1.04	0.82	0.56	0.53	0.52	0.54	0.65	0.66	0.65	0.70	0.66
HWQ16 - Bayou Grand Liard	1.09	1.34	1.34	1.20	1.19	0.94	0.85	0.89	0.87	0.66	0.72	1.04
CRMS 3985	1.24	1.07	1.00	0.60	0.56	0.59	0.68	1.00	0.91	0.85	0.68	0.88
CRMS 0258	1.20	1.30	1.12	0.96	1.01	1.05	0.88	0.74	0.70	0.70	0.94	1.19
CRMS 0224	1.04	1.18	0.88	0.83	0.82	0.75	0.59	0.58	0.69	0.67	0.77	0.92
CRMS 0163	1.84	1.81	1.84	1.87	1.89	1.82	1.74	1.75	1.91	1.80	1.90	1.83
CRMS 0162	1.89	1.89	1.93	1.95	1.97	1.92	1.93	1.85	1.75	1.75	1.83	1.87

V3PR3 HYST - cy 1 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.97	1.99	1.99	2.00	1.98	1.89	1.91	1.86	1.85	1.86	1.91
CRMS0276 - Just east of Wilkinson Canal	1.47	1.64	1.63	1.55	1.49	1.31	1.00	1.01	1.22	1.02	1.12	1.53
Barataria Waterway at Lafitte (USACE82875)	1.84	1.85	1.86	1.87	1.82	1.63	1.57	1.55	1.70	1.60	1.85	1.90
USGS2928590900040000 Barataria Waterway South of Lafitte	1.86	1.86	1.91	1.93	1.95	1.72	1.55	1.48	1.30	1.40	1.70	1.76
USGS7380251 Barataria Bay North of Grand Isle	1.53	1.61	1.64	1.54	1.48	0.90	0.79	0.83	0.82	0.86	1.12	1.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.57	1.70	1.74	1.67	1.67	1.06	0.82	0.82	0.88	0.88	1.05	1.46
USGS 07380335 - Little Lake Near Cutoff	1.49	1.63	1.68	1.55	1.53	1.00	0.77	0.79	0.86	0.80	0.94	1.35
USGS073802516 Barataria Pass at Grand Isle	1.42	1.49	1.43	1.19	1.10	0.84	0.69	0.72	0.76	0.75	0.90	1.22
HWQ14 - Lake Washington	1.34	1.38	1.25	0.99	0.90	0.71	0.64	0.66	0.69	0.73	0.91	1.19
HWQ16 - Bayou Grand Liard	1.23	1.45	1.47	1.29	1.26	1.01	0.87	0.92	0.88	0.70	0.77	1.14
CRMS 3985	1.38	1.39	1.31	1.06	0.99	0.75	0.74	0.77	0.79	0.82	1.00	1.32
CRMS 0258	1.63	1.61	1.60	1.32	1.33	1.14	0.99	0.90	0.79	0.80	1.16	1.44
CRMS 0224	1.60	1.62	1.62	1.42	1.34	0.98	0.80	0.78	0.84	0.87	1.11	1.40
CRMS 0163	1.84	1.83	1.84	1.88	1.90	1.82	1.75	1.78	1.95	1.82	1.88	1.84
CRMS 0162	1.88	1.90	1.93	1.94	1.97	1.91	1.94	1.89	1.78	1.76	1.81	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.77	0.85	1.19	1.37	1.38	1.40	1.33	1.31	1.28	1.24	1.14	1.11
CRMS0276 - Just east of Wilkinson Canal	0.13	0.00	-0.03	-0.05	-0.09	-0.04	0.01	0.04	0.02	0.04	0.03	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.04	0.04	0.03	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.80	0.76	1.19	1.30	1.26	1.04	0.97	0.90	0.72	0.81	0.96	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.33	0.52	0.71	0.94	0.93	0.34	0.19	0.06	0.06	0.13	0.39	0.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.51	0.57	0.84	0.97	1.05	0.49	0.26	0.21	0.23	0.24	0.35	0.69
USGS 07380335 - Little Lake Near Cutoff	0.43	0.43	0.64	0.68	0.79	0.38	0.16	0.12	0.13	0.14	0.23	0.45
USGS073802516 Barataria Pass at Grand Isle	0.38	0.35	0.51	0.44	0.39	0.20	0.10	0.09	0.10	0.12	0.22	0.43
HWQ14 - Lake Washington	0.26	0.34	0.43	0.43	0.37	0.19	0.10	0.01	0.03	0.08	0.21	0.53
HWQ16 - Bayou Grand Liard	0.13	0.11	0.14	0.10	0.07	0.07	0.02	0.03	0.01	0.04	0.05	0.09
CRMS 3985	0.14	0.31	0.30	0.46	0.43	0.16	0.07	-0.23	-0.11	-0.02	0.32	0.44
CRMS 0258	0.43	0.31	0.48	0.36	0.31	0.09	0.11	0.17	0.09	0.10	0.21	0.25
CRMS 0224	0.56	0.44	0.74	0.59	0.51	0.23	0.21	0.20	0.15	0.20	0.34	0.48
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.04	0.04	0.02	-0.02	0.00
CRMS 0162	-0.01	0.01	0.00	0.00	0.00	-0.01	0.01	0.05	0.02	0.02	-0.03	0.00

Figure WQ TOTN 47 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.07	0.72	0.56	0.56	0.47	0.49	0.54	0.54	0.59	0.79	0.82
CRMS0276 - Just east of Wilkinson Canal	1.20	1.57	1.45	1.40	1.36	1.13	0.69	0.67	0.94	1.04	1.32	1.49
Barataria Waterway at Lafitte (USACE82875)	1.79	1.83	1.84	1.80	1.73	1.50	1.27	1.33	1.50	1.72	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.03	0.64	0.55	0.57	0.51	0.48	0.52	0.52	0.55	0.75	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.98	0.63	0.49	0.48	0.67	0.67	0.77	0.80	0.82	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.05	1.09	0.85	0.64	0.53	0.47	0.50	0.50	0.58	0.61	0.79	0.82
USGS 07380335 - Little Lake Near Cutoff	1.02	1.15	0.92	0.75	0.61	0.51	0.50	0.50	0.61	0.63	0.84	0.94
USGS073802516 Barataria Pass at Grand Isle	1.03	1.11	0.86	0.68	0.59	0.51	0.48	0.48	0.57	0.60	0.77	0.84
HWQ14 - Lake Washington	1.12	1.04	0.88	0.60	0.46	0.44	0.56	0.55	0.64	0.67	0.77	0.72
HWQ16 - Bayou Grand Liard	1.02	1.26	1.12	0.98	0.93	0.77	0.59	0.59	0.67	0.67	0.86	1.06
CRMS 3985	1.27	1.09	1.16	0.66	0.43	0.54	0.95	0.91	0.94	0.98	0.75	0.95
CRMS 0258	0.99	1.18	0.80	0.82	0.86	0.66	0.56	0.54	0.54	0.59	1.04	1.18
CRMS 0224	0.99	1.10	0.75	0.70	0.63	0.54	0.47	0.48	0.58	0.60	0.84	0.93
CRMS 0163	1.82	1.83	1.84	1.84	1.78	1.67	1.51	1.60	1.81	1.84	1.87	1.84
CRMS 0162	1.87	1.87	1.90	1.86	1.80	1.77	1.86	1.70	1.41	1.90	1.86	1.89

V3PR3 HYST - cy 1 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.89	1.95	1.96	1.88	1.92	1.85	1.89	1.90	1.81	1.79	1.81	1.88
CRMS0276 - Just east of Wilkinson Canal	1.28	1.57	1.45	1.42	1.31	1.10	0.74	0.71	0.97	1.07	1.32	1.48
Barataria Waterway at Lafitte (USACE82875)	1.80	1.83	1.85	1.80	1.72	1.50	1.31	1.34	1.53	1.75	1.86	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.71	1.82	1.74	1.42	1.69	1.09	1.29	1.31	1.12	1.27	1.55	1.67
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.39	1.28	1.04	1.12	0.69	0.70	0.75	0.78	0.80	1.08	1.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.23	1.48	1.29	1.06	1.26	0.71	0.68	0.68	0.76	0.79	1.03	1.29
USGS 07380335 - Little Lake Near Cutoff	1.18	1.41	1.21	1.04	1.08	0.67	0.62	0.60	0.72	0.73	0.98	1.21
USGS073802516 Barataria Pass at Grand Isle	1.13	1.26	1.05	0.88	0.78	0.62	0.56	0.55	0.64	0.67	0.90	1.13
HWQ14 - Lake Washington	1.06	1.09	0.94	0.75	0.67	0.57	0.57	0.58	0.66	0.67	0.86	1.10
HWQ16 - Bayou Grand Liard	1.06	1.29	1.15	1.05	0.95	0.80	0.63	0.62	0.71	0.69	0.89	1.11
CRMS 3985	1.00	1.08	0.98	0.76	0.74	0.62	0.66	0.72	0.82	0.80	0.96	1.16
CRMS 0258	1.35	1.43	1.01	0.90	0.99	0.72	0.66	0.68	0.61	0.66	1.14	1.32
CRMS 0224	1.32	1.44	1.12	0.96	0.94	0.69	0.64	0.65	0.70	0.74	1.07	1.25
CRMS 0163	1.83	1.84	1.85	1.83	1.76	1.65	1.52	1.59	1.84	1.86	1.85	1.85
CRMS 0162	1.87	1.88	1.91	1.85	1.78	1.77	1.90	1.70	1.42	1.92	1.83	1.91

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.87	1.24	1.32	1.37	1.37	1.39	1.35	1.27	1.21	1.03	1.06
CRMS0276 - Just east of Wilkinson Canal	0.08	-0.01	-0.01	0.02	-0.06	-0.03	0.05	0.04	0.03	0.03	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.02	0.00	-0.02	0.00	0.04	0.01	0.03	0.03	-0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.79	1.10	0.88	1.12	0.58	0.81	0.79	0.61	0.73	0.80	0.89
USGS7380251 Barataria Bay North of Grand Isle	-0.04	0.31	0.29	0.41	0.63	0.21	0.03	0.07	0.01	0.00	0.26	0.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.39	0.44	0.42	0.73	0.24	0.18	0.18	0.17	0.17	0.25	0.47
USGS 07380335 - Little Lake Near Cutoff	0.16	0.25	0.29	0.29	0.47	0.17	0.12	0.10	0.11	0.10	0.15	0.28
USGS073802516 Barataria Pass at Grand Isle	0.10	0.15	0.18	0.20	0.19	0.11	0.08	0.07	0.07	0.07	0.12	0.29
HWQ14 - Lake Washington	-0.06	0.06	0.06	0.14	0.20	0.13	0.01	0.03	0.01	0.00	0.09	0.38
HWQ16 - Bayou Grand Liard	0.04	0.03	0.04	0.07	0.02	0.04	0.04	0.03	0.03	0.02	0.03	0.04
CRMS 3985	-0.27	-0.01	-0.18	0.09	0.31	0.08	-0.29	-0.19	-0.12	-0.17	0.21	0.21
CRMS 0258	0.35	0.25	0.21	0.08	0.13	0.06	0.11	0.14	0.07	0.07	0.10	0.13
CRMS 0224	0.33	0.34	0.36	0.25	0.31	0.14	0.17	0.17	0.12	0.14	0.23	0.32
CRMS 0163	0.01	0.01	0.02	-0.01	-0.02	-0.01	0.01	-0.01	0.03	0.02	-0.03	0.01
CRMS 0162	0.00	0.01	0.01	-0.01	-0.02	0.00	0.05	0.00	0.01	0.02	-0.03	0.02

Figure WQ TOTN 48 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.27	0.91	0.64	0.64	0.58	0.59	0.63	0.61	0.64	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.38	1.67	1.62	1.57	1.51	1.42	1.13	1.16	1.44	1.17	1.14	1.36
Barataria Waterway at Lafitte (USACE82875)	1.83	1.84	1.89	1.86	1.76	1.68	1.67	1.63	1.68	1.66	1.76	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.24	0.80	0.64	0.69	0.66	0.59	0.60	0.64	0.65	0.83	0.86
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.33	1.06	0.64	0.58	0.56	0.60	0.64	0.75	0.74	0.86	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.28	1.00	0.71	0.61	0.57	0.57	0.61	0.66	0.68	0.79	0.96
USGS 07380335 - Little Lake Near Cutoff	1.18	1.33	1.10	0.87	0.71	0.64	0.65	0.75	0.76	0.74	0.81	0.95
USGS073802516 Barataria Pass at Grand Isle	1.19	1.28	1.01	0.76	0.67	0.64	0.63	0.70	0.69	0.68	0.75	0.93
HWQ14 - Lake Washington	1.26	1.26	0.96	0.60	0.54	0.52	0.55	0.56	0.65	0.67	0.78	1.04
HWQ16 - Bayou Grand Liard	1.18	1.41	1.31	1.16	1.06	1.03	1.01	1.08	1.00	0.78	0.75	0.96
CRMS 3985	1.46	1.39	1.12	0.65	0.59	0.60	0.67	0.71	0.89	0.86	1.00	1.33
CRMS 0258	1.25	1.38	1.17	0.96	1.01	1.06	1.03	1.06	0.96	0.85	1.15	1.17
CRMS 0224	1.15	1.29	0.93	0.82	0.78	0.74	0.61	0.61	0.78	0.76	0.90	0.96
CRMS 0163	1.80	1.82	1.89	1.87	1.85	1.81	1.77	1.78	1.91	1.84	1.83	1.83
CRMS 0162	1.88	1.91	1.95	1.92	1.92	1.89	1.93	1.91	1.89	1.94	1.75	1.88

V3PR3 HYST - cy 1 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	1.99	1.99	1.99	1.98	1.92	1.86	1.85	1.90	1.88
CRMS0276 - Just east of Wilkinson Canal	1.48	1.67	1.58	1.54	1.43	1.34	1.13	1.15	1.47	1.21	1.20	1.37
Barataria Waterway at Lafitte (USACE82875)	1.82	1.84	1.88	1.84	1.75	1.67	1.65	1.62	1.72	1.68	1.77	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.88	1.93	1.92	1.93	1.94	1.92	1.61	1.24	1.37	1.75	1.73
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.65	1.68	1.53	1.44	1.20	1.18	1.11	0.88	0.90	1.18	1.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.64	1.73	1.75	1.64	1.57	1.55	1.54	1.31	0.97	0.95	1.14	1.35
USGS 07380335 - Little Lake Near Cutoff	1.54	1.67	1.68	1.51	1.41	1.37	1.36	1.20	0.98	0.90	1.05	1.23
USGS073802516 Barataria Pass at Grand Isle	1.45	1.55	1.45	1.19	1.03	0.91	0.93	0.96	0.86	0.83	0.98	1.17
HWQ14 - Lake Washington	1.38	1.44	1.29	1.01	0.85	0.75	0.75	0.76	0.72	0.75	0.95	1.18
HWQ16 - Bayou Grand Liard	1.26	1.51	1.43	1.25	1.15	1.10	1.04	1.08	1.06	0.84	0.83	1.02
CRMS 3985	1.45	1.44	1.34	1.06	0.95	0.85	0.86	0.88	0.76	0.79	1.00	1.34
CRMS 0258	1.65	1.67	1.65	1.28	1.27	1.30	1.38	1.38	1.21	1.02	1.44	1.41
CRMS 0224	1.63	1.67	1.65	1.38	1.26	1.26	1.33	1.16	1.05	1.02	1.28	1.33
CRMS 0163	1.81	1.82	1.89	1.86	1.84	1.80	1.74	1.77	1.94	1.85	1.85	1.82
CRMS 0162	1.89	1.91	1.95	1.92	1.92	1.88	1.92	1.91	1.93	1.95	1.75	1.87

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.71	1.08	1.35	1.35	1.41	1.40	1.29	1.25	1.21	1.10	0.94
CRMS0276 - Just east of Wilkinson Canal	0.10	0.00	-0.04	-0.03	-0.08	-0.09	-0.01	0.00	0.03	0.04	0.06	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	0.04	0.03	0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.66	0.63	1.13	1.28	1.24	1.28	1.33	1.02	0.61	0.73	0.92	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.31	0.62	0.89	0.87	0.64	0.57	0.47	0.13	0.16	0.32	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.45	0.76	0.93	0.96	0.97	0.97	0.69	0.30	0.27	0.35	0.39
USGS 07380335 - Little Lake Near Cutoff	0.35	0.34	0.59	0.64	0.70	0.73	0.71	0.46	0.22	0.17	0.25	0.28
USGS073802516 Barataria Pass at Grand Isle	0.26	0.27	0.43	0.42	0.35	0.27	0.30	0.26	0.17	0.15	0.23	0.24
HWQ14 - Lake Washington	0.12	0.18	0.33	0.41	0.31	0.23	0.20	0.19	0.07	0.09	0.17	0.15
HWQ16 - Bayou Grand Liard	0.08	0.10	0.12	0.09	0.08	0.07	0.04	0.01	0.06	0.06	0.07	0.06
CRMS 3985	-0.01	0.05	0.22	0.41	0.36	0.25	0.20	0.17	-0.12	-0.07	0.00	0.00
CRMS 0258	0.40	0.29	0.48	0.32	0.26	0.25	0.34	0.31	0.24	0.17	0.29	0.24
CRMS 0224	0.48	0.37	0.72	0.56	0.48	0.52	0.72	0.55	0.27	0.26	0.39	0.38
CRMS 0163	0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.03	-0.01	0.03	0.01	0.01	0.00
CRMS 0162	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.04	0.01	0.01	0.00

Figure WQ TOTN 49 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.22	0.91	0.63	0.62	0.58	0.59	0.63	0.59	0.63	0.75	0.89
CRMS0276 - Just east of Wilkinson Canal	1.38	1.53	1.59	1.58	1.64	1.39	1.11	1.20	1.38	1.08	1.01	1.58
Barataria Waterway at Lafitte (USACE82875)	1.86	1.89	1.82	1.85	1.82	1.71	1.65	1.60	1.67	1.60	1.80	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.19	0.80	0.64	0.69	0.67	0.60	0.60	0.60	0.61	0.77	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.31	1.10	0.65	0.56	0.55	0.60	0.64	0.75	0.78	0.75	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.23	0.99	0.73	0.63	0.58	0.57	0.61	0.66	0.67	0.71	0.84
USGS 07380335 - Little Lake Near Cutoff	1.16	1.23	1.06	0.89	0.77	0.65	0.64	0.74	0.77	0.71	0.71	0.93
USGS073802516 Barataria Pass at Grand Isle	1.15	1.21	0.99	0.79	0.73	0.66	0.63	0.69	0.69	0.67	0.69	0.85
HWQ14 - Lake Washington	1.20	1.25	1.00	0.62	0.53	0.52	0.54	0.56	0.65	0.69	0.72	0.81
HWQ16 - Bayou Grand Liard	1.16	1.23	1.24	1.19	1.24	1.09	1.02	1.05	0.97	0.73	0.69	1.10
CRMS 3985	1.44	1.34	1.23	0.69	0.56	0.58	0.66	0.71	0.88	0.93	0.75	1.14
CRMS 0258	1.22	1.22	1.17	0.97	1.00	1.04	1.05	1.06	0.92	0.82	0.96	1.21
CRMS 0224	1.14	1.20	0.91	0.84	0.83	0.76	0.64	0.63	0.77	0.71	0.78	0.94
CRMS 0163	1.88	1.90	1.78	1.85	1.81	1.91	1.75	1.80	1.91	1.80	1.88	1.79
CRMS 0162	1.87	1.86	1.88	1.91	1.90	1.97	1.95	1.91	1.88	1.85	1.80	1.87

V3PR3 HYST - cy 1 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.01	1.92	1.96	1.98	1.96	1.99	1.99	1.91	1.87	1.87	1.89	1.96
CRMS0276 - Just east of Wilkinson Canal	1.54	1.56	1.54	1.55	1.54	1.30	1.14	1.14	1.40	1.12	1.09	1.60
Barataria Waterway at Lafitte (USACE82875)	1.87	1.89	1.82	1.85	1.81	1.69	1.63	1.60	1.72	1.63	1.79	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.14	1.88	1.84	1.90	1.88	1.95	1.94	1.44	1.30	1.41	1.76	1.85
USGS7380251 Barataria Bay North of Grand Isle	1.50	1.27	1.53	1.53	1.47	1.23	1.18	0.95	0.86	0.88	1.16	1.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.56	1.40	1.61	1.64	1.61	1.59	1.55	1.01	0.95	0.93	1.09	1.68
USGS 07380335 - Little Lake Near Cutoff	1.49	1.39	1.54	1.52	1.50	1.43	1.36	0.99	0.95	0.86	0.98	1.59
USGS073802516 Barataria Pass at Grand Isle	1.43	1.31	1.28	1.19	1.09	0.91	0.92	0.86	0.83	0.80	0.93	1.39
HWQ14 - Lake Washington	1.36	1.17	1.16	1.01	0.89	0.75	0.74	0.71	0.70	0.74	0.92	1.26
HWQ16 - Bayou Grand Liard	1.27	1.28	1.32	1.28	1.28	1.13	1.05	1.05	1.01	0.77	0.76	1.28
CRMS 3985	1.30	1.14	1.30	1.08	0.99	0.86	0.86	0.82	0.73	0.78	0.97	1.37
CRMS 0258	1.77	1.54	1.50	1.33	1.29	1.33	1.39	1.35	1.13	0.96	1.37	1.64
CRMS 0224	1.68	1.48	1.49	1.41	1.31	1.32	1.37	1.08	1.00	0.98	1.21	1.61
CRMS 0163	1.90	1.90	1.78	1.84	1.80	1.88	1.72	1.79	1.95	1.83	1.86	1.80
CRMS 0162	1.89	1.86	1.89	1.91	1.90	1.94	1.94	1.92	1.93	1.87	1.78	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.80	0.70	1.05	1.35	1.34	1.41	1.40	1.28	1.28	1.23	1.14	1.07
CRMS0276 - Just east of Wilkinson Canal	0.15	0.03	-0.04	-0.03	-0.11	-0.09	0.02	-0.06	0.02	0.04	0.08	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.01	-0.01	-0.03	-0.02	0.00	0.05	0.03	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	0.68	1.04	1.26	1.19	1.27	1.34	0.84	0.69	0.80	0.99	1.01
USGS7380251 Barataria Bay North of Grand Isle	0.18	-0.04	0.43	0.88	0.91	0.68	0.58	0.31	0.11	0.10	0.40	0.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.18	0.62	0.91	0.98	1.01	0.98	0.40	0.28	0.26	0.39	0.84
USGS 07380335 - Little Lake Near Cutoff	0.33	0.15	0.48	0.63	0.73	0.78	0.72	0.25	0.18	0.16	0.27	0.66
USGS073802516 Barataria Pass at Grand Isle	0.28	0.10	0.30	0.40	0.37	0.25	0.29	0.17	0.14	0.13	0.24	0.55
HWQ14 - Lake Washington	0.15	-0.07	0.15	0.39	0.36	0.23	0.20	0.15	0.06	0.05	0.20	0.45
HWQ16 - Bayou Grand Liard	0.11	0.05	0.08	0.09	0.04	0.04	0.03	0.00	0.04	0.04	0.07	0.17
CRMS 3985	-0.13	-0.20	0.06	0.39	0.43	0.27	0.20	0.11	-0.15	-0.15	0.22	0.22
CRMS 0258	0.54	0.32	0.33	0.36	0.30	0.29	0.35	0.29	0.21	0.15	0.41	0.43
CRMS 0224	0.54	0.29	0.58	0.56	0.49	0.56	0.73	0.45	0.23	0.27	0.43	0.67
CRMS 0163	0.02	0.00	0.00	0.00	-0.01	-0.03	-0.03	-0.01	0.05	0.03	-0.02	0.01
CRMS 0162	0.01	0.00	0.01	-0.01	-0.01	-0.03	-0.01	0.01	0.05	0.02	-0.02	0.01

Figure WQ TOTN 50 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.15	0.78	0.60	0.62	0.57	0.55	0.56	0.55	0.59	0.77	0.92
CRMS0276 - Just east of Wilkinson Canal	1.36	1.64	1.65	1.62	1.55	1.42	1.06	0.97	1.24	1.18	1.30	1.45
Barataria Waterway at Lafitte (USACE82875)	1.82	1.85	1.86	1.87	1.79	1.68	1.55	1.49	1.68	1.71	1.86	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.16	0.71	0.63	0.69	0.67	0.58	0.55	0.56	0.58	0.78	0.83
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.02	0.80	0.54	0.51	0.51	0.54	0.59	0.74	0.72	0.85	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.15	0.83	0.67	0.59	0.54	0.53	0.55	0.61	0.64	0.81	0.99
USGS 07380335 - Little Lake Near Cutoff	1.16	1.24	0.99	0.86	0.71	0.61	0.61	0.64	0.70	0.70	0.86	1.02
USGS073802516 Barataria Pass at Grand Isle	1.15	1.18	0.86	0.74	0.68	0.62	0.59	0.60	0.62	0.64	0.78	0.97
HWQ14 - Lake Washington	1.22	1.03	0.71	0.50	0.48	0.47	0.49	0.51	0.63	0.64	0.77	1.03
HWQ16 - Bayou Grand Liard	1.13	1.35	1.30	1.22	1.15	0.99	0.92	0.87	0.87	0.77	0.87	1.05
CRMS 3985	1.31	0.91	0.75	0.48	0.47	0.50	0.54	0.70	0.90	0.85	0.99	1.28
CRMS 0258	1.26	1.34	1.14	0.96	1.01	1.07	0.98	0.78	0.72	0.74	1.12	1.22
CRMS 0224	1.13	1.23	0.86	0.83	0.80	0.73	0.60	0.55	0.68	0.69	0.90	1.00
CRMS 0163	1.81	1.84	1.84	1.86	1.89	1.83	1.71	1.75	1.90	1.85	1.86	1.84
CRMS 0162	1.88	1.90	1.93	1.94	1.96	1.92	1.94	1.88	1.86	1.94	1.80	1.88

V3PR4 HYST - cy 1 - 1975 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	2.01	2.00	2.00	1.93	1.92	1.83	1.81	1.90	1.90
CRMS0276 - Just east of Wilkinson Canal	1.46	1.65	1.63	1.57	1.47	1.33	1.08	1.00	1.28	1.21	1.34	1.50
Barataria Waterway at Lafitte (USACE82875)	1.83	1.86	1.85	1.87	1.79	1.66	1.55	1.51	1.73	1.75	1.90	1.92
USGS2928590900040000 Barataria Waterway South of Lafitte	1.87	1.92	1.94	1.97	1.98	1.98	1.68	1.43	1.27	1.40	1.73	1.75
USGS7380251 Barataria Bay North of Grand Isle	1.38	1.65	1.71	1.68	1.65	1.33	1.02	0.90	0.87	0.90	1.10	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.53	1.76	1.80	1.78	1.79	1.66	1.17	0.87	0.91	0.92	1.13	1.18
USGS 07380335 - Little Lake Near Cutoff	1.42	1.69	1.74	1.69	1.68	1.50	1.10	0.82	0.90	0.86	1.07	1.17
USGS073802516 Barataria Pass at Grand Isle	1.16	1.50	1.47	1.31	1.19	0.98	0.87	0.75	0.79	0.80	0.99	1.04
HWQ14 - Lake Washington	0.89	1.30	1.29	1.11	0.98	0.81	0.74	0.69	0.73	0.77	0.90	0.80
HWQ16 - Bayou Grand Liard	1.20	1.48	1.50	1.41	1.33	1.13	0.98	0.89	0.92	0.81	0.92	1.10
CRMS 3985	0.92	1.34	1.42	1.26	1.18	0.96	0.88	0.83	0.82	0.85	0.75	0.49
CRMS 0258	1.63	1.69	1.69	1.57	1.48	1.38	1.21	1.06	0.90	0.89	1.35	1.38
CRMS 0224	1.58	1.70	1.70	1.62	1.51	1.37	1.09	0.86	0.90	0.93	1.23	1.28
CRMS 0163	1.82	1.85	1.84	1.86	1.89	1.82	1.71	1.77	1.95	1.86	1.90	1.88
CRMS 0162	1.88	1.90	1.92	1.93	1.95	1.89	1.93	1.90	1.90	1.94	1.84	1.92

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.83	1.21	1.41	1.39	1.42	1.38	1.36	1.28	1.22	1.12	0.98
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	-0.02	-0.05	-0.08	-0.09	0.02	0.03	0.04	0.02	0.04	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	-0.01	-0.01	0.00	0.02	0.05	0.03	0.04	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.70	0.76	1.24	1.34	1.29	1.31	1.10	0.88	0.71	0.82	0.94	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.07	0.63	0.91	1.14	1.14	0.83	0.49	0.30	0.13	0.18	0.25	-0.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.61	0.96	1.11	1.20	1.12	0.64	0.32	0.30	0.28	0.32	0.20
USGS 07380335 - Little Lake Near Cutoff	0.26	0.45	0.75	0.83	0.97	0.89	0.49	0.17	0.20	0.17	0.21	0.15
USGS073802516 Barataria Pass at Grand Isle	0.01	0.32	0.61	0.57	0.51	0.36	0.28	0.15	0.17	0.16	0.21	0.07
HWQ14 - Lake Washington	-0.33	0.27	0.58	0.60	0.50	0.34	0.25	0.18	0.10	0.13	0.14	-0.23
HWQ16 - Bayou Grand Liard	0.07	0.13	0.20	0.19	0.18	0.14	0.06	0.02	0.05	0.04	0.05	0.05
CRMS 3985	-0.39	0.43	0.67	0.77	0.70	0.46	0.34	0.13	-0.08	0.00	-0.24	-0.78
CRMS 0258	0.37	0.35	0.55	0.60	0.48	0.31	0.23	0.28	0.18	0.15	0.23	0.17
CRMS 0224	0.45	0.47	0.85	0.79	0.71	0.63	0.49	0.31	0.22	0.24	0.32	0.28
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.01	0.00	0.02	0.04	0.01	0.04	0.04
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.01	0.02	0.04	0.01	0.04	0.04

Figure WQ TOTN 51 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.16	1.12	0.80	0.62	0.63	0.58	0.56	0.60	0.58	0.61	0.72	0.81
CRMS0276 - Just east of Wilkinson Canal	1.33	1.64	1.66	1.59	1.57	1.35	1.00	0.97	1.20	0.98	1.09	1.54
Barataria Waterway at Lafitte (USACE82875)	1.84	1.84	1.85	1.87	1.81	1.62	1.55	1.51	1.66	1.57	1.86	1.91
USGS2928590900040000 Barataria Waterway South of Lafitte	1.06	1.10	0.71	0.63	0.70	0.68	0.58	0.58	0.58	0.59	0.74	0.78
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.93	0.61	0.56	0.55	0.60	0.77	0.77	0.73	0.73	0.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.06	1.12	0.90	0.70	0.62	0.57	0.56	0.61	0.64	0.64	0.70	0.77
USGS 07380335 - Little Lake Near Cutoff	1.07	1.21	1.03	0.86	0.74	0.62	0.61	0.67	0.72	0.66	0.72	0.90
USGS073802516 Barataria Pass at Grand Isle	1.04	1.15	0.92	0.75	0.71	0.63	0.59	0.63	0.66	0.63	0.68	0.79
HWQ14 - Lake Washington	1.09	1.04	0.82	0.56	0.53	0.52	0.54	0.65	0.66	0.65	0.70	0.66
HWQ16 - Bayou Grand Liard	1.09	1.34	1.34	1.20	1.19	0.94	0.85	0.89	0.87	0.66	0.72	1.04
CRMS 3985	1.24	1.07	1.00	0.60	0.56	0.59	0.68	1.00	0.91	0.85	0.68	0.88
CRMS 0258	1.20	1.30	1.12	0.96	1.01	1.05	0.88	0.74	0.70	0.70	0.94	1.19
CRMS 0224	1.04	1.18	0.88	0.83	0.82	0.75	0.59	0.58	0.69	0.67	0.77	0.92
CRMS 0163	1.84	1.81	1.84	1.87	1.89	1.82	1.74	1.75	1.91	1.80	1.90	1.83
CRMS 0162	1.89	1.89	1.93	1.95	1.97	1.92	1.93	1.85	1.75	1.75	1.83	1.87

V3PR4 HYST - cy 1 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.98	1.99	2.00	2.01	1.99	1.90	1.91	1.84	1.84	1.86	1.92
CRMS0276 - Just east of Wilkinson Canal	1.49	1.65	1.63	1.55	1.49	1.32	1.01	1.01	1.22	1.02	1.12	1.53
Barataria Waterway at Lafitte (USACE82875)	1.85	1.85	1.85	1.86	1.82	1.63	1.57	1.55	1.71	1.60	1.85	1.90
USGS2928590900040000 Barataria Waterway South of Lafitte	1.93	1.92	1.95	1.97	1.99	1.81	1.64	1.47	1.29	1.43	1.71	1.80
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.68	1.73	1.68	1.66	0.96	0.81	0.85	0.84	0.87	1.13	1.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.62	1.76	1.81	1.79	1.80	1.14	0.86	0.85	0.89	0.88	1.06	1.50
USGS 07380335 - Little Lake Near Cutoff	1.55	1.70	1.76	1.70	1.70	1.08	0.80	0.81	0.87	0.80	0.95	1.39
USGS073802516 Barataria Pass at Grand Isle	1.46	1.55	1.51	1.30	1.21	0.89	0.71	0.73	0.77	0.75	0.91	1.25
HWQ14 - Lake Washington	1.36	1.42	1.35	1.11	1.01	0.76	0.66	0.68	0.71	0.75	0.92	1.21
HWQ16 - Bayou Grand Liard	1.27	1.50	1.54	1.39	1.36	1.06	0.88	0.92	0.89	0.70	0.77	1.15
CRMS 3985	1.40	1.46	1.47	1.26	1.19	0.82	0.77	0.79	0.81	0.83	1.01	1.34
CRMS 0258	1.66	1.66	1.68	1.54	1.50	1.18	1.02	0.93	0.81	0.80	1.16	1.47
CRMS 0224	1.64	1.67	1.70	1.60	1.54	1.04	0.85	0.80	0.84	0.86	1.11	1.43
CRMS 0163	1.84	1.83	1.84	1.87	1.89	1.82	1.75	1.78	1.95	1.82	1.88	1.84
CRMS 0162	1.88	1.90	1.92	1.94	1.96	1.90	1.93	1.89	1.77	1.75	1.79	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.78	0.86	1.19	1.38	1.38	1.41	1.34	1.31	1.26	1.23	1.13	1.12
CRMS0276 - Just east of Wilkinson Canal	0.16	0.00	-0.02	-0.05	-0.09	-0.03	0.01	0.04	0.02	0.04	0.03	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.01	0.00	0.01	0.02	0.04	0.04	0.03	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.87	0.82	1.24	1.33	1.29	1.13	1.06	0.89	0.71	0.84	0.97	1.02
USGS7380251 Barataria Bay North of Grand Isle	0.36	0.60	0.80	1.08	1.11	0.41	0.21	0.08	0.07	0.14	0.40	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.56	0.64	0.91	1.09	1.18	0.57	0.30	0.24	0.25	0.25	0.36	0.73
USGS 07380335 - Little Lake Near Cutoff	0.48	0.49	0.72	0.83	0.95	0.46	0.19	0.14	0.14	0.14	0.23	0.49
USGS073802516 Barataria Pass at Grand Isle	0.42	0.40	0.59	0.55	0.50	0.26	0.12	0.10	0.11	0.13	0.23	0.46
HWQ14 - Lake Washington	0.28	0.39	0.53	0.54	0.48	0.23	0.12	0.03	0.05	0.09	0.22	0.55
HWQ16 - Bayou Grand Liard	0.17	0.16	0.20	0.20	0.17	0.12	0.03	0.03	0.02	0.04	0.05	0.11
CRMS 3985	0.16	0.39	0.47	0.66	0.63	0.23	0.09	-0.21	-0.10	-0.01	0.33	0.46
CRMS 0258	0.46	0.36	0.56	0.58	0.49	0.12	0.14	0.19	0.11	0.10	0.22	0.28
CRMS 0224	0.60	0.49	0.82	0.77	0.71	0.30	0.26	0.22	0.15	0.19	0.34	0.51
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.02	-0.02	0.00
CRMS 0162	-0.01	0.01	-0.01	0.00	-0.01	-0.02	0.00	0.04	0.01	0.00	-0.04	0.00

Figure WQ TOTN 52 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.07	0.72	0.56	0.56	0.47	0.49	0.54	0.54	0.59	0.79	0.82
CRMS0276 - Just east of Wilkinson Canal	1.20	1.57	1.45	1.40	1.36	1.13	0.69	0.67	0.94	1.04	1.32	1.49
Barataria Waterway at Lafitte (USACE82875)	1.79	1.83	1.84	1.80	1.73	1.50	1.27	1.33	1.50	1.72	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.03	0.64	0.55	0.57	0.51	0.48	0.52	0.52	0.55	0.75	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.98	0.63	0.49	0.48	0.67	0.67	0.77	0.80	0.82	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.05	1.09	0.85	0.64	0.53	0.47	0.50	0.50	0.58	0.61	0.79	0.82
USGS 07380335 - Little Lake Near Cutoff	1.02	1.15	0.92	0.75	0.61	0.51	0.50	0.50	0.61	0.63	0.84	0.94
USGS073802516 Barataria Pass at Grand Isle	1.03	1.11	0.86	0.68	0.59	0.51	0.48	0.48	0.57	0.60	0.77	0.84
HWQ14 - Lake Washington	1.12	1.04	0.88	0.60	0.46	0.44	0.56	0.55	0.64	0.67	0.77	0.72
HWQ16 - Bayou Grand Liard	1.02	1.26	1.12	0.98	0.93	0.77	0.59	0.59	0.67	0.67	0.86	1.06
CRMS 3985	1.27	1.09	1.16	0.66	0.43	0.54	0.95	0.91	0.94	0.98	0.75	0.95
CRMS 0258	0.99	1.18	0.80	0.82	0.86	0.66	0.56	0.54	0.54	0.59	1.04	1.18
CRMS 0224	0.99	1.10	0.75	0.70	0.63	0.54	0.47	0.48	0.58	0.60	0.84	0.93
CRMS 0163	1.82	1.83	1.84	1.84	1.78	1.67	1.51	1.60	1.81	1.84	1.87	1.84
CRMS 0162	1.87	1.87	1.90	1.86	1.80	1.77	1.86	1.70	1.41	1.90	1.86	1.89

V3PR4 HYST - cy 1 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.90	1.96	1.97	1.89	1.93	1.84	1.88	1.90	1.81	1.78	1.81	1.86
CRMS0276 - Just east of Wilkinson Canal	1.30	1.58	1.46	1.43	1.30	1.12	0.75	0.73	0.98	1.07	1.32	1.48
Barataria Waterway at Lafitte (USACE82875)	1.80	1.84	1.87	1.81	1.73	1.52	1.32	1.38	1.54	1.77	1.87	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	1.87	1.81	1.52	1.72	1.08	1.29	1.28	1.13	1.30	1.53	1.66
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.50	1.38	1.12	1.22	0.70	0.71	0.76	0.79	0.81	1.08	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.36	1.57	1.39	1.14	1.36	0.73	0.70	0.70	0.76	0.79	1.03	1.29
USGS 07380335 - Little Lake Near Cutoff	1.25	1.49	1.31	1.12	1.20	0.69	0.63	0.61	0.72	0.73	0.97	1.22
USGS073802516 Barataria Pass at Grand Isle	1.25	1.36	1.13	0.95	0.84	0.64	0.57	0.56	0.65	0.68	0.89	1.13
HWQ14 - Lake Washington	1.28	1.23	1.03	0.82	0.71	0.58	0.58	0.60	0.67	0.68	0.87	1.12
HWQ16 - Bayou Grand Liard	1.08	1.33	1.18	1.08	0.97	0.81	0.63	0.63	0.72	0.71	0.89	1.10
CRMS 3985	1.32	1.21	1.08	0.84	0.81	0.64	0.68	0.74	0.83	0.82	0.98	1.25
CRMS 0258	1.36	1.48	1.07	0.94	1.05	0.73	0.67	0.68	0.62	0.66	1.13	1.32
CRMS 0224	1.36	1.50	1.19	1.02	1.00	0.69	0.64	0.65	0.70	0.73	1.04	1.25
CRMS 0163	1.83	1.84	1.86	1.84	1.77	1.67	1.55	1.64	1.85	1.87	1.85	1.84
CRMS 0162	1.86	1.88	1.91	1.84	1.78	1.77	1.90	1.69	1.43	1.93	1.83	1.89

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.88	1.25	1.33	1.37	1.36	1.38	1.35	1.27	1.19	1.02	1.04
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	0.00	0.03	-0.07	-0.01	0.06	0.05	0.05	0.03	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.03	0.01	0.00	0.01	0.05	0.05	0.04	0.04	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.74	0.84	1.18	0.97	1.15	0.57	0.81	0.76	0.61	0.75	0.78	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.42	0.40	0.49	0.73	0.22	0.04	0.09	0.02	0.01	0.27	0.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.31	0.48	0.54	0.50	0.84	0.26	0.20	0.20	0.18	0.17	0.24	0.48
USGS 07380335 - Little Lake Near Cutoff	0.23	0.34	0.39	0.37	0.59	0.18	0.13	0.11	0.11	0.10	0.14	0.28
USGS073802516 Barataria Pass at Grand Isle	0.22	0.25	0.27	0.27	0.25	0.13	0.09	0.08	0.08	0.08	0.12	0.30
HWQ14 - Lake Washington	0.16	0.19	0.15	0.22	0.25	0.15	0.02	0.05	0.02	0.00	0.10	0.40
HWQ16 - Bayou Grand Liard	0.06	0.07	0.07	0.10	0.04	0.05	0.04	0.04	0.05	0.03	0.02	0.04
CRMS 3985	0.04	0.13	-0.08	0.18	0.38	0.10	-0.27	-0.17	-0.11	-0.16	0.23	0.30
CRMS 0258	0.36	0.29	0.27	0.12	0.19	0.07	0.11	0.14	0.08	0.07	0.09	0.13
CRMS 0224	0.38	0.40	0.44	0.31	0.37	0.15	0.17	0.17	0.12	0.13	0.20	0.32
CRMS 0163	0.01	0.01	0.02	0.00	-0.01	0.01	0.05	0.04	0.04	0.03	-0.02	0.01
CRMS 0162	-0.01	0.01	0.01	-0.02	-0.02	0.00	0.04	-0.01	0.02	0.03	-0.03	0.00

Figure WQ TOTN 53 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.27	0.91	0.64	0.64	0.58	0.59	0.63	0.61	0.64	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.38	1.67	1.62	1.57	1.51	1.42	1.13	1.16	1.44	1.17	1.14	1.36
Barataria Waterway at Lafitte (USACE82875)	1.83	1.84	1.89	1.86	1.76	1.68	1.67	1.63	1.68	1.66	1.76	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.24	0.80	0.64	0.69	0.66	0.59	0.60	0.64	0.65	0.83	0.86
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.33	1.06	0.64	0.58	0.56	0.60	0.64	0.75	0.74	0.86	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.28	1.00	0.71	0.61	0.57	0.57	0.61	0.66	0.68	0.79	0.96
USGS 07380335 - Little Lake Near Cutoff	1.18	1.33	1.10	0.87	0.71	0.64	0.65	0.75	0.76	0.74	0.81	0.95
USGS073802516 Barataria Pass at Grand Isle	1.19	1.28	1.01	0.76	0.67	0.64	0.63	0.70	0.69	0.68	0.75	0.93
HWQ14 - Lake Washington	1.26	1.26	0.96	0.60	0.54	0.52	0.55	0.56	0.65	0.67	0.78	1.04
HWQ16 - Bayou Grand Liard	1.18	1.41	1.31	1.16	1.06	1.03	1.01	1.08	1.00	0.78	0.75	0.96
CRMS 3985	1.46	1.39	1.12	0.65	0.59	0.60	0.67	0.71	0.89	0.86	1.00	1.33
CRMS 0258	1.25	1.38	1.17	0.96	1.01	1.06	1.03	1.06	0.96	0.85	1.15	1.17
CRMS 0224	1.15	1.29	0.93	0.82	0.78	0.74	0.61	0.61	0.78	0.76	0.90	0.96
CRMS 0163	1.80	1.82	1.89	1.87	1.85	1.81	1.77	1.78	1.91	1.84	1.83	1.83
CRMS 0162	1.88	1.91	1.95	1.92	1.92	1.89	1.93	1.91	1.89	1.94	1.75	1.88

V3PR4 HYST - cy 1 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	1.99	1.99	2.00	1.99	1.99	1.92	1.84	1.84	1.93	1.92
CRMS0276 - Just east of Wilkinson Canal	1.48	1.68	1.60	1.55	1.42	1.35	1.23	1.21	1.47	1.21	1.19	1.40
Barataria Waterway at Lafitte (USACE82875)	1.85	1.85	1.89	1.85	1.76	1.68	1.66	1.63	1.73	1.70	1.79	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.90	1.93	1.96	1.96	1.98	1.97	1.95	1.61	1.23	1.40	1.76	1.78
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.67	1.74	1.65	1.59	1.41	1.37	1.17	0.89	0.91	1.19	1.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.62	1.77	1.82	1.75	1.71	1.70	1.68	1.37	0.96	0.94	1.15	1.25
USGS 07380335 - Little Lake Near Cutoff	1.50	1.71	1.76	1.65	1.57	1.55	1.53	1.30	0.98	0.90	1.05	1.18
USGS073802516 Barataria Pass at Grand Isle	1.25	1.51	1.47	1.27	1.12	0.99	1.03	1.03	0.87	0.83	0.99	1.10
HWQ14 - Lake Washington	0.97	1.32	1.29	1.07	0.94	0.84	0.83	0.82	0.75	0.77	0.95	0.95
HWQ16 - Bayou Grand Liard	1.23	1.52	1.47	1.33	1.23	1.17	1.11	1.11	1.07	0.83	0.82	1.03
CRMS 3985	0.92	1.37	1.40	1.20	1.11	1.02	1.01	0.98	0.80	0.82	0.92	0.58
CRMS 0258	1.68	1.70	1.75	1.49	1.39	1.43	1.52	1.40	1.23	1.04	1.45	1.42
CRMS 0224	1.66	1.71	1.75	1.56	1.40	1.41	1.49	1.21	1.03	1.01	1.27	1.32
CRMS 0163	1.82	1.82	1.89	1.87	1.84	1.81	1.76	1.79	1.95	1.86	1.87	1.88
CRMS 0162	1.89	1.91	1.94	1.91	1.92	1.88	1.92	1.91	1.93	1.95	1.77	1.93

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.72	1.08	1.35	1.36	1.41	1.40	1.29	1.24	1.20	1.12	0.98
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	-0.02	-0.02	-0.09	-0.07	0.10	0.05	0.04	0.04	0.05	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.00	-0.01	0.00	-0.01	-0.02	-0.01	0.05	0.04	0.03	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.69	1.16	1.32	1.29	1.31	1.36	1.01	0.59	0.75	0.93	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.33	0.68	1.01	1.01	0.85	0.76	0.53	0.14	0.17	0.32	-0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.41	0.49	0.82	1.04	1.09	1.12	1.11	0.75	0.29	0.26	0.36	0.29
USGS 07380335 - Little Lake Near Cutoff	0.32	0.38	0.66	0.78	0.86	0.91	0.88	0.55	0.21	0.16	0.24	0.23
USGS073802516 Barataria Pass at Grand Isle	0.07	0.23	0.46	0.51	0.45	0.36	0.40	0.33	0.18	0.15	0.24	0.17
HWQ14 - Lake Washington	-0.29	0.06	0.32	0.47	0.39	0.31	0.28	0.25	0.10	0.10	0.18	-0.09
HWQ16 - Bayou Grand Liard	0.04	0.11	0.16	0.17	0.17	0.15	0.11	0.04	0.06	0.05	0.06	0.06
CRMS 3985	-0.53	-0.02	0.29	0.55	0.53	0.42	0.35	0.27	-0.09	-0.04	-0.09	-0.75
CRMS 0258	0.43	0.33	0.58	0.53	0.39	0.37	0.48	0.33	0.27	0.19	0.30	0.25
CRMS 0224	0.51	0.42	0.82	0.73	0.62	0.67	0.88	0.60	0.25	0.24	0.37	0.36
CRMS 0163	0.02	0.01	0.00	0.00	0.00	-0.01	-0.01	0.01	0.05	0.02	0.04	0.05
CRMS 0162	0.02	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.04	0.01	0.02	0.05

Figure WQ TOTN 54 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.22	0.91	0.63	0.62	0.58	0.59	0.63	0.59	0.63	0.75	0.89
CRMS0276 - Just east of Wilkinson Canal	1.38	1.53	1.59	1.58	1.64	1.39	1.11	1.20	1.38	1.08	1.01	1.58
Barataria Waterway at Lafitte (USACE82875)	1.86	1.89	1.82	1.85	1.82	1.71	1.65	1.60	1.67	1.60	1.80	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.19	0.80	0.64	0.69	0.67	0.60	0.60	0.60	0.61	0.77	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.31	1.10	0.65	0.56	0.55	0.60	0.64	0.75	0.78	0.75	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.23	0.99	0.73	0.63	0.58	0.57	0.61	0.66	0.67	0.71	0.84
USGS 07380335 - Little Lake Near Cutoff	1.16	1.23	1.06	0.89	0.77	0.65	0.64	0.74	0.77	0.71	0.71	0.93
USGS073802516 Barataria Pass at Grand Isle	1.15	1.21	0.99	0.79	0.73	0.66	0.63	0.69	0.69	0.67	0.69	0.85
HWQ14 - Lake Washington	1.20	1.25	1.00	0.62	0.53	0.52	0.54	0.56	0.65	0.69	0.72	0.81
HWQ16 - Bayou Grand Liard	1.16	1.23	1.24	1.19	1.24	1.09	1.02	1.05	0.97	0.73	0.69	1.10
CRMS 3985	1.44	1.34	1.23	0.69	0.56	0.58	0.66	0.71	0.88	0.93	0.75	1.14
CRMS 0258	1.22	1.22	1.17	0.97	1.00	1.04	1.05	1.06	0.92	0.82	0.96	1.21
CRMS 0224	1.14	1.20	0.91	0.84	0.83	0.76	0.64	0.63	0.77	0.71	0.78	0.94
CRMS 0163	1.88	1.90	1.78	1.85	1.81	1.91	1.75	1.80	1.91	1.80	1.88	1.79
CRMS 0162	1.87	1.86	1.88	1.91	1.90	1.97	1.95	1.91	1.88	1.85	1.80	1.87

V3PR4 HYST - cy 1 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.03	1.93	1.97	1.99	1.96	2.00	1.99	1.91	1.86	1.86	1.89	1.97
CRMS0276 - Just east of Wilkinson Canal	1.56	1.57	1.55	1.56	1.53	1.34	1.25	1.18	1.42	1.12	1.10	1.60
Barataria Waterway at Lafitte (USACE82875)	1.88	1.91	1.83	1.85	1.82	1.70	1.63	1.61	1.73	1.64	1.80	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.30	1.97	1.90	1.95	1.92	1.98	1.97	1.45	1.28	1.43	1.76	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.32	1.61	1.66	1.62	1.48	1.35	0.98	0.88	0.90	1.19	1.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.63	1.46	1.69	1.76	1.74	1.75	1.69	1.04	0.95	0.94	1.12	1.74
USGS 07380335 - Little Lake Near Cutoff	1.55	1.43	1.62	1.66	1.64	1.62	1.54	1.03	0.96	0.87	0.99	1.66
USGS073802516 Barataria Pass at Grand Isle	1.49	1.35	1.35	1.30	1.20	1.02	1.03	0.91	0.85	0.82	0.95	1.45
HWQ14 - Lake Washington	1.41	1.21	1.22	1.12	1.00	0.85	0.83	0.76	0.74	0.77	0.95	1.32
HWQ16 - Bayou Grand Liard	1.29	1.30	1.37	1.37	1.37	1.21	1.12	1.08	1.04	0.78	0.77	1.33
CRMS 3985	1.35	1.17	1.39	1.25	1.19	1.07	1.01	0.89	0.77	0.81	1.01	1.44
CRMS 0258	1.84	1.60	1.58	1.53	1.45	1.48	1.52	1.36	1.16	0.98	1.38	1.67
CRMS 0224	1.75	1.55	1.57	1.57	1.49	1.51	1.52	1.07	1.00	0.97	1.21	1.65
CRMS 0163	1.90	1.90	1.78	1.85	1.81	1.89	1.74	1.82	1.96	1.84	1.86	1.81
CRMS 0162	1.89	1.86	1.88	1.90	1.89	1.95	1.94	1.92	1.94	1.88	1.78	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.72	1.06	1.36	1.34	1.42	1.41	1.28	1.27	1.23	1.14	1.08
CRMS0276 - Just east of Wilkinson Canal	0.18	0.05	-0.03	-0.02	-0.12	-0.06	0.14	-0.02	0.04	0.05	0.09	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.01	0.00	0.00	-0.02	-0.02	0.01	0.06	0.04	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.14	0.78	1.10	1.30	1.23	1.30	1.37	0.85	0.68	0.82	0.99	1.06
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.01	0.51	1.01	1.06	0.93	0.75	0.34	0.13	0.12	0.44	0.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.46	0.23	0.70	1.02	1.11	1.17	1.12	0.43	0.29	0.27	0.41	0.90
USGS 07380335 - Little Lake Near Cutoff	0.38	0.20	0.57	0.77	0.87	0.97	0.89	0.28	0.19	0.16	0.28	0.73
USGS073802516 Barataria Pass at Grand Isle	0.34	0.15	0.36	0.52	0.47	0.36	0.40	0.22	0.16	0.15	0.26	0.60
HWQ14 - Lake Washington	0.21	-0.03	0.22	0.50	0.47	0.33	0.29	0.20	0.09	0.08	0.23	0.51
HWQ16 - Bayou Grand Liard	0.13	0.07	0.14	0.18	0.13	0.12	0.10	0.02	0.06	0.05	0.08	0.23
CRMS 3985	-0.09	-0.17	0.16	0.57	0.63	0.49	0.35	0.18	-0.11	-0.12	0.25	0.30
CRMS 0258	0.62	0.39	0.40	0.56	0.45	0.44	0.48	0.30	0.24	0.16	0.43	0.46
CRMS 0224	0.61	0.35	0.66	0.72	0.66	0.75	0.88	0.45	0.22	0.26	0.43	0.71
CRMS 0163	0.02	0.01	0.01	0.00	0.00	-0.02	-0.01	0.01	0.06	0.03	-0.01	0.01
CRMS 0162	0.01	-0.01	0.00	-0.01	-0.01	-0.02	-0.01	0.00	0.05	0.03	-0.02	0.01

Figure WQ TOTN 55 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.15	0.78	0.60	0.62	0.57	0.55	0.56	0.55	0.59	0.77	0.92
CRMS0276 - Just east of Wilkinson Canal	1.36	1.64	1.65	1.62	1.55	1.42	1.06	0.97	1.24	1.18	1.30	1.45
Barataria Waterway at Lafitte (USACE82875)	1.82	1.85	1.86	1.87	1.79	1.68	1.55	1.49	1.68	1.71	1.86	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.16	0.71	0.63	0.69	0.67	0.58	0.55	0.56	0.58	0.78	0.83
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.02	0.80	0.54	0.51	0.51	0.54	0.59	0.74	0.72	0.85	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.15	0.83	0.67	0.59	0.54	0.53	0.55	0.61	0.64	0.81	0.99
USGS 07380335 - Little Lake Near Cutoff	1.16	1.24	0.99	0.86	0.71	0.61	0.61	0.64	0.70	0.70	0.86	1.02
USGS073802516 Barataria Pass at Grand Isle	1.15	1.18	0.86	0.74	0.68	0.62	0.59	0.60	0.62	0.64	0.78	0.97
HWQ14 - Lake Washington	1.22	1.03	0.71	0.50	0.48	0.47	0.49	0.51	0.63	0.64	0.77	1.03
HWQ16 - Bayou Grand Liard	1.13	1.35	1.30	1.22	1.15	0.99	0.92	0.87	0.87	0.77	0.87	1.05
CRMS 3985	1.31	0.91	0.75	0.48	0.47	0.50	0.54	0.70	0.90	0.85	0.99	1.28
CRMS 0258	1.26	1.34	1.14	0.96	1.01	1.07	0.98	0.78	0.72	0.74	1.12	1.22
CRMS 0224	1.13	1.23	0.86	0.83	0.80	0.73	0.60	0.55	0.68	0.69	0.90	1.00
CRMS 0163	1.81	1.84	1.84	1.86	1.89	1.83	1.71	1.75	1.90	1.85	1.86	1.84
CRMS 0162	1.88	1.90	1.93	1.94	1.96	1.92	1.94	1.88	1.86	1.94	1.80	1.88

V3PR5 HYST - cy 1 - 1975 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	2.01	2.00	2.00	1.93	1.92	1.83	1.82	1.86	1.88
CRMS0276 - Just east of Wilkinson Canal	1.49	1.66	1.63	1.57	1.47	1.33	1.08	1.01	1.29	1.22	1.34	1.48
Barataria Waterway at Lafitte (USACE82875)	1.83	1.86	1.85	1.87	1.79	1.66	1.55	1.51	1.73	1.74	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.90	1.93	1.96	1.97	1.97	1.64	1.44	1.26	1.36	1.70	1.73
USGS7380251 Barataria Bay North of Grand Isle	1.55	1.68	1.72	1.68	1.66	1.34	1.02	0.90	0.87	0.90	1.18	1.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.64	1.77	1.80	1.78	1.80	1.66	1.18	0.87	0.91	0.92	1.15	1.37
USGS 07380335 - Little Lake Near Cutoff	1.54	1.71	1.75	1.70	1.68	1.49	1.10	0.82	0.90	0.87	1.08	1.28
USGS073802516 Barataria Pass at Grand Isle	1.40	1.55	1.49	1.32	1.19	0.98	0.87	0.75	0.80	0.80	1.00	1.20
HWQ14 - Lake Washington	1.26	1.40	1.33	1.13	0.99	0.82	0.75	0.69	0.73	0.77	0.96	1.19
HWQ16 - Bayou Grand Liard	1.26	1.50	1.51	1.42	1.33	1.13	0.97	0.91	0.93	0.82	0.92	1.10
CRMS 3985	1.25	1.42	1.45	1.28	1.18	0.97	0.88	0.83	0.83	0.86	1.03	1.29
CRMS 0258	1.63	1.69	1.69	1.55	1.47	1.37	1.20	1.05	0.89	0.89	1.35	1.38
CRMS 0224	1.62	1.70	1.70	1.61	1.50	1.36	1.09	0.86	0.90	0.93	1.23	1.33
CRMS 0163	1.82	1.85	1.84	1.85	1.89	1.82	1.71	1.77	1.95	1.86	1.87	1.85
CRMS 0162	1.88	1.90	1.92	1.93	1.95	1.89	1.93	1.90	1.90	1.94	1.81	1.89

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.83	1.21	1.41	1.39	1.42	1.38	1.36	1.27	1.22	1.09	0.96
CRMS0276 - Just east of Wilkinson Canal	0.13	0.01	-0.02	-0.05	-0.08	-0.09	0.02	0.04	0.05	0.04	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	0.00	-0.01	0.00	0.02	0.05	0.03	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.68	0.74	1.22	1.33	1.28	1.30	1.06	0.89	0.70	0.78	0.91	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.66	0.92	1.15	1.15	0.83	0.49	0.30	0.13	0.18	0.32	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.46	0.62	0.97	1.11	1.21	1.12	0.64	0.33	0.30	0.28	0.34	0.38
USGS 07380335 - Little Lake Near Cutoff	0.39	0.47	0.76	0.83	0.97	0.89	0.49	0.18	0.20	0.17	0.22	0.25
USGS073802516 Barataria Pass at Grand Isle	0.25	0.37	0.63	0.58	0.51	0.36	0.28	0.16	0.17	0.16	0.23	0.23
HWQ14 - Lake Washington	0.04	0.37	0.62	0.62	0.51	0.35	0.26	0.18	0.10	0.13	0.19	0.16
HWQ16 - Bayou Grand Liard	0.13	0.15	0.21	0.20	0.19	0.14	0.05	0.05	0.07	0.05	0.05	0.05
CRMS 3985	-0.06	0.52	0.70	0.79	0.71	0.47	0.34	0.13	-0.07	0.00	0.04	0.02
CRMS 0258	0.38	0.35	0.55	0.59	0.47	0.30	0.23	0.27	0.18	0.14	0.23	0.17
CRMS 0224	0.49	0.47	0.84	0.78	0.70	0.62	0.49	0.31	0.22	0.24	0.33	0.33
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.04	0.01	0.01	0.01
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	-0.03	-0.01	0.03	0.03	0.01	0.01	0.01

Figure WQ TOTN 56 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.16	1.12	0.80	0.62	0.63	0.58	0.56	0.60	0.58	0.61	0.72	0.81
CRMS0276 - Just east of Wilkinson Canal	1.33	1.64	1.66	1.59	1.57	1.35	1.00	0.97	1.20	0.98	1.09	1.54
Barataria Waterway at Lafitte (USACE82875)	1.84	1.84	1.85	1.87	1.81	1.62	1.55	1.51	1.66	1.57	1.86	1.91
USGS2928590900040000 Barataria Waterway South of Lafitte	1.06	1.10	0.71	0.63	0.70	0.68	0.58	0.58	0.58	0.59	0.74	0.78
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.93	0.61	0.56	0.55	0.60	0.77	0.77	0.73	0.73	0.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.06	1.12	0.90	0.70	0.62	0.57	0.56	0.61	0.64	0.64	0.70	0.77
USGS 07380335 - Little Lake Near Cutoff	1.07	1.21	1.03	0.86	0.74	0.62	0.61	0.67	0.72	0.66	0.72	0.90
USGS073802516 Barataria Pass at Grand Isle	1.04	1.15	0.92	0.75	0.71	0.63	0.59	0.63	0.66	0.63	0.68	0.79
HWQ14 - Lake Washington	1.09	1.04	0.82	0.56	0.53	0.52	0.54	0.65	0.66	0.65	0.70	0.66
HWQ16 - Bayou Grand Liard	1.09	1.34	1.34	1.20	1.19	0.94	0.85	0.89	0.87	0.66	0.72	1.04
CRMS 3985	1.24	1.07	1.00	0.60	0.56	0.59	0.68	1.00	0.91	0.85	0.68	0.88
CRMS 0258	1.20	1.30	1.12	0.96	1.01	1.05	0.88	0.74	0.70	0.70	0.94	1.19
CRMS 0224	1.04	1.18	0.88	0.83	0.82	0.75	0.59	0.58	0.69	0.67	0.77	0.92
CRMS 0163	1.84	1.81	1.84	1.87	1.89	1.82	1.74	1.75	1.91	1.80	1.90	1.83
CRMS 0162	1.89	1.89	1.93	1.95	1.97	1.92	1.93	1.85	1.75	1.75	1.83	1.87

V3PR5 HYST - cy 1 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.98	1.99	2.00	2.01	2.00	1.90	1.91	1.84	1.84	1.89	1.94
CRMS0276 - Just east of Wilkinson Canal	1.44	1.64	1.63	1.55	1.49	1.31	1.01	1.01	1.23	1.02	1.13	1.54
Barataria Waterway at Lafitte (USACE82875)	1.85	1.85	1.85	1.86	1.81	1.62	1.57	1.55	1.70	1.61	1.88	1.94
USGS2928590900040000 Barataria Waterway South of Lafitte	1.90	1.90	1.93	1.96	1.98	1.78	1.58	1.49	1.30	1.39	1.71	1.79
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.65	1.73	1.68	1.67	0.96	0.81	0.85	0.84	0.87	1.05	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.47	1.75	1.81	1.79	1.81	1.14	0.86	0.85	0.89	0.89	1.05	1.41
USGS 07380335 - Little Lake Near Cutoff	1.40	1.68	1.76	1.69	1.70	1.08	0.80	0.81	0.87	0.81	0.95	1.32
USGS073802516 Barataria Pass at Grand Isle	1.22	1.47	1.49	1.30	1.21	0.89	0.71	0.74	0.77	0.75	0.90	1.07
HWQ14 - Lake Washington	0.98	1.30	1.32	1.10	1.01	0.76	0.66	0.68	0.71	0.75	0.86	0.82
HWQ16 - Bayou Grand Liard	1.20	1.47	1.53	1.38	1.36	1.04	0.88	0.92	0.89	0.71	0.78	1.13
CRMS 3985	0.99	1.38	1.46	1.26	1.20	0.82	0.77	0.79	0.81	0.83	0.72	0.63
CRMS 0258	1.64	1.65	1.67	1.52	1.49	1.17	1.01	0.91	0.80	0.80	1.16	1.47
CRMS 0224	1.58	1.66	1.70	1.60	1.53	1.04	0.84	0.80	0.84	0.86	1.11	1.41
CRMS 0163	1.84	1.83	1.83	1.87	1.89	1.82	1.74	1.78	1.94	1.82	1.91	1.87
CRMS 0162	1.88	1.90	1.93	1.94	1.96	1.90	1.93	1.89	1.77	1.77	1.84	1.91

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.77	0.86	1.19	1.38	1.38	1.41	1.34	1.30	1.26	1.23	1.17	1.14
CRMS0276 - Just east of Wilkinson Canal	0.11	0.00	-0.03	-0.05	-0.08	-0.04	0.01	0.04	0.02	0.04	0.04	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.04	0.04	0.04	0.02	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.84	0.80	1.22	1.32	1.28	1.10	0.99	0.91	0.72	0.80	0.97	1.01
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.57	0.79	1.08	1.11	0.41	0.22	0.09	0.07	0.14	0.32	0.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.41	0.63	0.91	1.09	1.18	0.57	0.30	0.24	0.25	0.25	0.35	0.63
USGS 07380335 - Little Lake Near Cutoff	0.34	0.47	0.72	0.83	0.96	0.46	0.19	0.14	0.14	0.14	0.23	0.42
USGS073802516 Barataria Pass at Grand Isle	0.18	0.33	0.57	0.55	0.50	0.26	0.12	0.11	0.11	0.13	0.22	0.28
HWQ14 - Lake Washington	-0.11	0.26	0.50	0.54	0.48	0.24	0.12	0.03	0.05	0.09	0.16	0.16
HWQ16 - Bayou Grand Liard	0.11	0.13	0.19	0.19	0.17	0.11	0.03	0.04	0.02	0.05	0.06	0.08
CRMS 3985	-0.25	0.31	0.46	0.66	0.64	0.23	0.09	-0.21	-0.10	-0.01	0.04	-0.25
CRMS 0258	0.44	0.35	0.55	0.56	0.48	0.12	0.13	0.18	0.10	0.10	0.21	0.28
CRMS 0224	0.54	0.48	0.81	0.77	0.70	0.29	0.25	0.22	0.15	0.19	0.34	0.49
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.02	0.01	0.03
CRMS 0162	-0.01	0.01	0.00	-0.01	-0.01	-0.03	0.00	0.04	0.02	0.02	0.00	0.03

Figure WQ TOTN 57 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.07	0.72	0.56	0.56	0.47	0.49	0.54	0.54	0.59	0.79	0.82
CRMS0276 - Just east of Wilkinson Canal	1.20	1.57	1.45	1.40	1.36	1.13	0.69	0.67	0.94	1.04	1.32	1.49
Barataria Waterway at Lafitte (USACE82875)	1.79	1.83	1.84	1.80	1.73	1.50	1.27	1.33	1.50	1.72	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.03	0.64	0.55	0.57	0.51	0.48	0.52	0.52	0.55	0.75	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.98	0.63	0.49	0.48	0.67	0.67	0.77	0.80	0.82	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.05	1.09	0.85	0.64	0.53	0.47	0.50	0.50	0.58	0.61	0.79	0.82
USGS 07380335 - Little Lake Near Cutoff	1.02	1.15	0.92	0.75	0.61	0.51	0.50	0.50	0.61	0.63	0.84	0.94
USGS073802516 Barataria Pass at Grand Isle	1.03	1.11	0.86	0.68	0.59	0.51	0.48	0.48	0.57	0.60	0.77	0.84
HWQ14 - Lake Washington	1.12	1.04	0.88	0.60	0.46	0.44	0.56	0.55	0.64	0.67	0.77	0.72
HWQ16 - Bayou Grand Liard	1.02	1.26	1.12	0.98	0.93	0.77	0.59	0.59	0.67	0.67	0.86	1.06
CRMS 3985	1.27	1.09	1.16	0.66	0.43	0.54	0.95	0.91	0.94	0.98	0.75	0.95
CRMS 0258	0.99	1.18	0.80	0.82	0.86	0.66	0.56	0.54	0.54	0.59	1.04	1.18
CRMS 0224	0.99	1.10	0.75	0.70	0.63	0.54	0.47	0.48	0.58	0.60	0.84	0.93
CRMS 0163	1.82	1.83	1.84	1.84	1.78	1.67	1.51	1.60	1.81	1.84	1.87	1.84
CRMS 0162	1.87	1.87	1.90	1.86	1.80	1.77	1.86	1.70	1.41	1.90	1.86	1.89

V3PR5 HYST - cy 1 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.89	1.96	1.96	1.89	1.92	1.83	1.87	1.89	1.80	1.78	1.81	1.88
CRMS0276 - Just east of Wilkinson Canal	1.30	1.58	1.46	1.43	1.30	1.12	0.75	0.73	0.98	1.08	1.33	1.49
Barataria Waterway at Lafitte (USACE82875)	1.82	1.84	1.87	1.81	1.73	1.51	1.32	1.37	1.55	1.77	1.88	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.71	1.85	1.77	1.48	1.72	1.04	1.23	1.25	1.10	1.25	1.51	1.65
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.46	1.35	1.11	1.22	0.70	0.70	0.76	0.79	0.80	1.09	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.25	1.54	1.37	1.14	1.37	0.73	0.70	0.70	0.76	0.79	1.04	1.30
USGS 07380335 - Little Lake Near Cutoff	1.19	1.46	1.29	1.12	1.20	0.69	0.63	0.62	0.73	0.73	0.98	1.22
USGS073802516 Barataria Pass at Grand Isle	1.15	1.30	1.10	0.95	0.84	0.64	0.57	0.56	0.66	0.68	0.90	1.14
HWQ14 - Lake Washington	1.07	1.13	0.99	0.80	0.70	0.58	0.58	0.60	0.67	0.68	0.87	1.12
HWQ16 - Bayou Grand Liard	1.08	1.32	1.18	1.08	0.98	0.82	0.64	0.64	0.73	0.71	0.89	1.10
CRMS 3985	1.01	1.14	1.03	0.82	0.80	0.64	0.68	0.74	0.84	0.82	0.97	1.17
CRMS 0258	1.34	1.47	1.06	0.94	1.04	0.73	0.66	0.67	0.61	0.65	1.13	1.32
CRMS 0224	1.32	1.49	1.17	1.02	1.00	0.69	0.64	0.65	0.70	0.73	1.05	1.25
CRMS 0163	1.84	1.84	1.86	1.84	1.77	1.66	1.56	1.63	1.85	1.88	1.85	1.86
CRMS 0162	1.86	1.88	1.92	1.85	1.78	1.77	1.91	1.68	1.40	1.92	1.83	1.91

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.88	1.25	1.33	1.37	1.36	1.38	1.34	1.26	1.19	1.02	1.05
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	0.00	0.03	-0.07	-0.01	0.06	0.06	0.04	0.04	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.03	0.01	-0.01	0.01	0.06	0.04	0.05	0.05	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.82	1.13	0.93	1.15	0.53	0.75	0.73	0.58	0.71	0.77	0.87
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.38	0.37	0.48	0.73	0.22	0.03	0.09	0.02	0.00	0.27	0.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.46	0.52	0.49	0.84	0.26	0.20	0.20	0.18	0.18	0.25	0.48
USGS 07380335 - Little Lake Near Cutoff	0.17	0.31	0.37	0.37	0.59	0.18	0.13	0.11	0.12	0.10	0.15	0.28
USGS073802516 Barataria Pass at Grand Isle	0.12	0.19	0.24	0.27	0.25	0.12	0.09	0.08	0.09	0.08	0.13	0.30
HWQ14 - Lake Washington	-0.05	0.09	0.10	0.20	0.24	0.15	0.02	0.05	0.03	0.01	0.10	0.39
HWQ16 - Bayou Grand Liard	0.06	0.06	0.06	0.10	0.05	0.05	0.05	0.04	0.06	0.03	0.03	0.04
CRMS 3985	-0.26	0.05	-0.13	0.15	0.37	0.10	-0.27	-0.17	-0.11	-0.16	0.22	0.22
CRMS 0258	0.35	0.28	0.26	0.12	0.18	0.07	0.10	0.13	0.08	0.06	0.09	0.14
CRMS 0224	0.34	0.39	0.42	0.32	0.36	0.15	0.17	0.17	0.12	0.14	0.21	0.32
CRMS 0163	0.02	0.01	0.03	0.00	-0.01	0.00	0.05	0.03	0.04	0.03	-0.02	0.02
CRMS 0162	0.00	0.01	0.02	-0.01	-0.01	0.00	0.05	-0.01	-0.01	0.02	-0.03	0.02

Figure WQ TOTN 58 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.27	0.91	0.64	0.64	0.58	0.59	0.63	0.61	0.64	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.38	1.67	1.62	1.57	1.51	1.42	1.13	1.16	1.44	1.17	1.14	1.36
Barataria Waterway at Lafitte (USACE82875)	1.83	1.84	1.89	1.86	1.76	1.68	1.67	1.63	1.68	1.66	1.76	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.24	0.80	0.64	0.69	0.66	0.59	0.60	0.64	0.65	0.83	0.86
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.33	1.06	0.64	0.58	0.56	0.60	0.64	0.75	0.74	0.86	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.28	1.00	0.71	0.61	0.57	0.57	0.61	0.66	0.68	0.79	0.96
USGS 07380335 - Little Lake Near Cutoff	1.18	1.33	1.10	0.87	0.71	0.64	0.65	0.75	0.76	0.74	0.81	0.95
USGS073802516 Barataria Pass at Grand Isle	1.19	1.28	1.01	0.76	0.67	0.64	0.63	0.70	0.69	0.68	0.75	0.93
HWQ14 - Lake Washington	1.26	1.26	0.96	0.60	0.54	0.52	0.55	0.56	0.65	0.67	0.78	1.04
HWQ16 - Bayou Grand Liard	1.18	1.41	1.31	1.16	1.06	1.03	1.01	1.08	1.00	0.78	0.75	0.96
CRMS 3985	1.46	1.39	1.12	0.65	0.59	0.60	0.67	0.71	0.89	0.86	1.00	1.33
CRMS 0258	1.25	1.38	1.17	0.96	1.01	1.06	1.03	1.06	0.96	0.85	1.15	1.17
CRMS 0224	1.15	1.29	0.93	0.82	0.78	0.74	0.61	0.61	0.78	0.76	0.90	0.96
CRMS 0163	1.80	1.82	1.89	1.87	1.85	1.81	1.77	1.78	1.91	1.84	1.83	1.83
CRMS 0162	1.88	1.91	1.95	1.92	1.92	1.89	1.93	1.91	1.89	1.94	1.75	1.88

V3PR5 HYST - cy 1 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	1.99	1.99	2.00	1.99	1.99	1.91	1.84	1.85	1.90	1.88
CRMS0276 - Just east of Wilkinson Canal	1.50	1.68	1.59	1.55	1.42	1.35	1.23	1.21	1.48	1.22	1.21	1.37
Barataria Waterway at Lafitte (USACE82875)	1.83	1.85	1.89	1.85	1.76	1.67	1.65	1.63	1.73	1.70	1.78	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.91	1.95	1.95	1.97	1.96	1.94	1.61	1.21	1.35	1.73	1.73
USGS7380251 Barataria Bay North of Grand Isle	1.66	1.71	1.76	1.66	1.59	1.42	1.38	1.18	0.89	0.92	1.21	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.71	1.79	1.83	1.76	1.70	1.70	1.68	1.37	0.95	0.95	1.15	1.37
USGS 07380335 - Little Lake Near Cutoff	1.62	1.74	1.77	1.66	1.56	1.55	1.53	1.30	0.98	0.90	1.06	1.24
USGS073802516 Barataria Pass at Grand Isle	1.51	1.59	1.52	1.29	1.12	1.00	1.03	1.03	0.87	0.84	1.00	1.19
HWQ14 - Lake Washington	1.42	1.49	1.37	1.11	0.94	0.85	0.84	0.82	0.75	0.77	0.97	1.21
HWQ16 - Bayou Grand Liard	1.30	1.56	1.49	1.34	1.23	1.17	1.11	1.12	1.07	0.84	0.83	1.02
CRMS 3985	1.50	1.52	1.47	1.23	1.12	1.03	1.02	0.98	0.80	0.81	1.03	1.36
CRMS 0258	1.68	1.70	1.74	1.48	1.38	1.42	1.50	1.40	1.23	1.04	1.45	1.43
CRMS 0224	1.68	1.71	1.75	1.55	1.39	1.41	1.48	1.21	1.03	1.01	1.27	1.34
CRMS 0163	1.81	1.82	1.89	1.87	1.85	1.80	1.75	1.79	1.95	1.86	1.85	1.83
CRMS 0162	1.89	1.91	1.95	1.91	1.91	1.88	1.92	1.91	1.93	1.96	1.76	1.87

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.72	1.08	1.35	1.36	1.41	1.40	1.29	1.23	1.21	1.09	0.94
CRMS0276 - Just east of Wilkinson Canal	0.13	0.01	-0.03	-0.02	-0.08	-0.07	0.10	0.06	0.04	0.05	0.08	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.01	0.00	-0.01	-0.02	-0.01	0.05	0.04	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.67	1.15	1.31	1.28	1.30	1.35	1.01	0.57	0.70	0.90	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.30	0.38	0.70	1.02	1.02	0.86	0.77	0.54	0.14	0.17	0.34	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.50	0.51	0.83	1.05	1.09	1.13	1.11	0.76	0.29	0.27	0.36	0.41
USGS 07380335 - Little Lake Near Cutoff	0.43	0.41	0.68	0.79	0.85	0.91	0.88	0.56	0.21	0.17	0.25	0.29
USGS073802516 Barataria Pass at Grand Isle	0.33	0.31	0.51	0.53	0.45	0.36	0.40	0.34	0.18	0.16	0.25	0.26
HWQ14 - Lake Washington	0.16	0.22	0.41	0.51	0.40	0.32	0.29	0.26	0.10	0.10	0.19	0.18
HWQ16 - Bayou Grand Liard	0.12	0.14	0.18	0.19	0.17	0.14	0.10	0.05	0.06	0.06	0.07	0.06
CRMS 3985	0.04	0.13	0.35	0.58	0.53	0.43	0.36	0.28	-0.08	-0.05	0.03	0.02
CRMS 0258	0.43	0.33	0.57	0.52	0.37	0.36	0.47	0.34	0.27	0.19	0.30	0.26
CRMS 0224	0.53	0.42	0.81	0.73	0.61	0.66	0.87	0.60	0.25	0.25	0.38	0.39
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	0.01	0.05	0.02	0.02	0.00
CRMS 0162	0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.05	0.02	0.01	0.00

Figure WQ TOTN 59 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.22	0.91	0.63	0.62	0.58	0.59	0.63	0.59	0.63	0.75	0.89
CRMS0276 - Just east of Wilkinson Canal	1.38	1.53	1.59	1.58	1.64	1.39	1.11	1.20	1.38	1.08	1.01	1.58
Barataria Waterway at Lafitte (USACE82875)	1.86	1.89	1.82	1.85	1.82	1.71	1.65	1.60	1.67	1.60	1.80	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.19	0.80	0.64	0.69	0.67	0.60	0.60	0.60	0.61	0.77	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.31	1.10	0.65	0.56	0.55	0.60	0.64	0.75	0.78	0.75	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.23	0.99	0.73	0.63	0.58	0.57	0.61	0.66	0.67	0.71	0.84
USGS 07380335 - Little Lake Near Cutoff	1.16	1.23	1.06	0.89	0.77	0.65	0.64	0.74	0.77	0.71	0.71	0.93
USGS073802516 Barataria Pass at Grand Isle	1.15	1.21	0.99	0.79	0.73	0.66	0.63	0.69	0.69	0.67	0.69	0.85
HWQ14 - Lake Washington	1.20	1.25	1.00	0.62	0.53	0.52	0.54	0.56	0.65	0.69	0.72	0.81
HWQ16 - Bayou Grand Liard	1.16	1.23	1.24	1.19	1.24	1.09	1.02	1.05	0.97	0.73	0.69	1.10
CRMS 3985	1.44	1.34	1.23	0.69	0.56	0.58	0.66	0.71	0.88	0.93	0.75	1.14
CRMS 0258	1.22	1.22	1.17	0.97	1.00	1.04	1.05	1.06	0.92	0.82	0.96	1.21
CRMS 0224	1.14	1.20	0.91	0.84	0.83	0.76	0.64	0.63	0.77	0.71	0.78	0.94
CRMS 0163	1.88	1.90	1.78	1.85	1.81	1.91	1.75	1.80	1.91	1.80	1.88	1.79
CRMS 0162	1.87	1.86	1.88	1.91	1.90	1.97	1.95	1.91	1.88	1.85	1.80	1.87

V3PR5 HYST - cy 1 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.03	1.93	1.97	1.99	1.96	2.00	1.99	1.90	1.86	1.86	1.89	1.97
CRMS0276 - Just east of Wilkinson Canal	1.57	1.58	1.55	1.56	1.52	1.33	1.25	1.17	1.42	1.13	1.11	1.61
Barataria Waterway at Lafitte (USACE82875)	1.88	1.91	1.83	1.85	1.82	1.70	1.63	1.61	1.73	1.65	1.81	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	2.26	1.94	1.88	1.93	1.91	1.97	1.96	1.45	1.27	1.39	1.75	1.88
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.32	1.61	1.66	1.62	1.49	1.36	0.98	0.88	0.90	1.19	1.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.63	1.46	1.69	1.76	1.74	1.75	1.69	1.04	0.95	0.94	1.12	1.74
USGS 07380335 - Little Lake Near Cutoff	1.55	1.44	1.63	1.66	1.64	1.61	1.54	1.02	0.96	0.87	1.00	1.66
USGS073802516 Barataria Pass at Grand Isle	1.49	1.36	1.35	1.30	1.20	1.02	1.03	0.91	0.85	0.82	0.95	1.45
HWQ14 - Lake Washington	1.42	1.22	1.22	1.13	1.00	0.86	0.84	0.76	0.74	0.77	0.95	1.31
HWQ16 - Bayou Grand Liard	1.30	1.30	1.37	1.37	1.37	1.21	1.12	1.07	1.03	0.78	0.78	1.33
CRMS 3985	1.35	1.17	1.39	1.26	1.20	1.08	1.02	0.90	0.77	0.80	1.00	1.44
CRMS 0258	1.83	1.60	1.57	1.52	1.44	1.47	1.51	1.35	1.15	0.98	1.38	1.67
CRMS 0224	1.75	1.55	1.57	1.56	1.47	1.50	1.51	1.07	1.00	0.97	1.21	1.66
CRMS 0163	1.90	1.90	1.79	1.85	1.81	1.89	1.74	1.81	1.96	1.84	1.87	1.81
CRMS 0162	1.89	1.86	1.88	1.90	1.89	1.94	1.94	1.92	1.92	1.87	1.78	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.72	1.06	1.36	1.34	1.42	1.41	1.28	1.27	1.23	1.14	1.08
CRMS0276 - Just east of Wilkinson Canal	0.19	0.05	-0.03	-0.03	-0.12	-0.06	0.14	-0.02	0.04	0.05	0.10	0.03
Barataria Waterway at Lafitte (USACE82875)	0.03	0.02	0.01	0.00	-0.01	-0.02	-0.02	0.01	0.06	0.05	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.10	0.75	1.08	1.29	1.22	1.29	1.36	0.85	0.67	0.78	0.98	1.04
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.01	0.51	1.01	1.07	0.94	0.76	0.34	0.14	0.12	0.44	0.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.46	0.24	0.70	1.02	1.11	1.17	1.12	0.43	0.29	0.27	0.41	0.90
USGS 07380335 - Little Lake Near Cutoff	0.39	0.20	0.57	0.77	0.87	0.96	0.89	0.28	0.19	0.16	0.29	0.73
USGS073802516 Barataria Pass at Grand Isle	0.34	0.15	0.37	0.52	0.47	0.36	0.40	0.22	0.16	0.15	0.27	0.61
HWQ14 - Lake Washington	0.21	-0.03	0.22	0.51	0.47	0.34	0.29	0.20	0.09	0.07	0.23	0.50
HWQ16 - Bayou Grand Liard	0.14	0.08	0.13	0.18	0.13	0.12	0.10	0.02	0.06	0.05	0.08	0.23
CRMS 3985	-0.09	-0.17	0.16	0.57	0.64	0.49	0.36	0.18	-0.10	-0.13	0.25	0.30
CRMS 0258	0.61	0.38	0.40	0.55	0.44	0.43	0.46	0.29	0.24	0.16	0.43	0.46
CRMS 0224	0.61	0.35	0.66	0.72	0.65	0.74	0.87	0.44	0.22	0.26	0.43	0.72
CRMS 0163	0.03	0.01	0.01	0.00	0.00	-0.02	-0.01	0.01	0.05	0.04	-0.01	0.01
CRMS 0162	0.01	0.00	0.00	-0.01	-0.01	-0.03	-0.01	0.01	0.04	0.03	-0.02	0.01

Figure WQ TOTN 60 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.15	0.78	0.60	0.62	0.57	0.55	0.56	0.55	0.59	0.77	0.92
CRMS0276 - Just east of Wilkinson Canal	1.36	1.64	1.65	1.62	1.55	1.42	1.06	0.97	1.24	1.18	1.30	1.45
Barataria Waterway at Lafitte (USACE82875)	1.82	1.85	1.86	1.87	1.79	1.68	1.55	1.49	1.68	1.71	1.86	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.16	0.71	0.63	0.69	0.67	0.58	0.55	0.56	0.58	0.78	0.83
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.02	0.80	0.54	0.51	0.51	0.54	0.59	0.74	0.72	0.85	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.15	0.83	0.67	0.59	0.54	0.53	0.55	0.61	0.64	0.81	0.99
USGS 07380335 - Little Lake Near Cutoff	1.16	1.24	0.99	0.86	0.71	0.61	0.61	0.64	0.70	0.70	0.86	1.02
USGS073802516 Barataria Pass at Grand Isle	1.15	1.18	0.86	0.74	0.68	0.62	0.59	0.60	0.62	0.64	0.78	0.97
HWQ14 - Lake Washington	1.22	1.03	0.71	0.50	0.48	0.47	0.49	0.51	0.63	0.64	0.77	1.03
HWQ16 - Bayou Grand Liard	1.13	1.35	1.30	1.22	1.15	0.99	0.92	0.87	0.87	0.77	0.87	1.05
CRMS 3985	1.31	0.91	0.75	0.48	0.47	0.50	0.54	0.70	0.90	0.85	0.99	1.28
CRMS 0258	1.26	1.34	1.14	0.96	1.01	1.07	0.98	0.78	0.72	0.74	1.12	1.22
CRMS 0224	1.13	1.23	0.86	0.83	0.80	0.73	0.60	0.55	0.68	0.69	0.90	1.00
CRMS 0163	1.81	1.84	1.84	1.86	1.89	1.83	1.71	1.75	1.90	1.85	1.86	1.84
CRMS 0162	1.88	1.90	1.93	1.94	1.96	1.92	1.94	1.88	1.86	1.94	1.80	1.88

V3PR6 HYST - cy 1 - 1975 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	2.00	2.01	2.01	2.00	1.91	1.92	1.84	1.79	1.84	1.88
CRMS0276 - Just east of Wilkinson Canal	1.56	1.68	1.69	1.63	1.59	1.43	1.20	1.02	1.28	1.20	1.34	1.48
Barataria Waterway at Lafitte (USACE82875)	1.82	1.86	1.85	1.86	1.78	1.67	1.57	1.54	1.74	1.74	1.88	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.91	1.95	1.97	1.99	1.99	1.99	1.62	1.35	1.25	1.33	1.71	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.68	1.79	1.83	1.85	1.84	1.67	1.15	0.93	0.90	0.91	1.17	1.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.75	1.86	1.89	1.91	1.92	1.86	1.29	0.91	0.93	0.93	1.15	1.39
USGS 07380335 - Little Lake Near Cutoff	1.67	1.81	1.85	1.86	1.87	1.75	1.26	0.84	0.92	0.87	1.08	1.30
USGS073802516 Barataria Pass at Grand Isle	1.52	1.65	1.62	1.51	1.41	1.17	1.00	0.78	0.82	0.82	1.01	1.22
HWQ14 - Lake Washington	1.41	1.54	1.51	1.38	1.25	1.01	0.86	0.74	0.77	0.80	0.98	1.21
HWQ16 - Bayou Grand Liard	1.37	1.61	1.65	1.61	1.55	1.30	1.04	0.89	0.92	0.82	0.91	1.10
CRMS 3985	1.53	1.62	1.66	1.59	1.54	1.29	1.03	0.89	0.86	0.88	1.05	1.31
CRMS 0258	1.68	1.76	1.78	1.78	1.76	1.58	1.29	1.07	0.92	0.88	1.33	1.44
CRMS 0224	1.68	1.78	1.80	1.83	1.82	1.63	1.22	0.90	0.91	0.92	1.22	1.40
CRMS 0163	1.81	1.85	1.84	1.85	1.88	1.81	1.71	1.77	1.95	1.86	1.87	1.84
CRMS 0162	1.86	1.89	1.91	1.92	1.94	1.87	1.92	1.89	1.89	1.94	1.79	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.84	1.22	1.42	1.39	1.43	1.36	1.36	1.29	1.20	1.07	0.96
CRMS0276 - Just east of Wilkinson Canal	0.20	0.04	0.05	0.01	0.04	0.02	0.14	0.05	0.04	0.02	0.03	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.01	-0.02	0.00	0.02	0.04	0.06	0.03	0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.74	0.79	1.26	1.37	1.31	1.32	1.04	0.80	0.70	0.74	0.92	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.38	0.78	1.03	1.31	1.33	1.16	0.61	0.33	0.16	0.19	0.32	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.57	0.71	1.06	1.23	1.33	1.32	0.76	0.36	0.32	0.30	0.34	0.41
USGS 07380335 - Little Lake Near Cutoff	0.51	0.58	0.86	0.99	1.16	1.15	0.65	0.20	0.22	0.18	0.22	0.28
USGS073802516 Barataria Pass at Grand Isle	0.36	0.47	0.76	0.77	0.74	0.55	0.41	0.18	0.19	0.18	0.24	0.25
HWQ14 - Lake Washington	0.19	0.50	0.80	0.88	0.77	0.54	0.37	0.23	0.14	0.16	0.22	0.18
HWQ16 - Bayou Grand Liard	0.23	0.26	0.35	0.39	0.40	0.31	0.12	0.03	0.05	0.04	0.04	0.05
CRMS 3985	0.22	0.71	0.91	1.11	1.07	0.79	0.50	0.19	-0.04	0.03	0.06	0.04
CRMS 0258	0.42	0.41	0.64	0.82	0.76	0.51	0.31	0.30	0.20	0.14	0.21	0.22
CRMS 0224	0.55	0.56	0.94	1.00	1.02	0.90	0.62	0.35	0.23	0.22	0.31	0.39
CRMS 0163	0.00	0.01	0.00	0.00	-0.01	-0.02	0.00	0.02	0.05	0.01	0.01	0.00
CRMS 0162	-0.01	-0.01	-0.02	-0.03	-0.03	-0.05	-0.02	0.01	0.03	0.00	-0.01	-0.01

Figure WQ TOTN 61 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.16	1.12	0.80	0.62	0.63	0.58	0.56	0.60	0.58	0.61	0.72	0.81
CRMS0276 - Just east of Wilkinson Canal	1.33	1.64	1.66	1.59	1.57	1.35	1.00	0.97	1.20	0.98	1.09	1.54
Barataria Waterway at Lafitte (USACE82875)	1.84	1.84	1.85	1.87	1.81	1.62	1.55	1.51	1.66	1.57	1.86	1.91
USGS2928590900040000 Barataria Waterway South of Lafitte	1.06	1.10	0.71	0.63	0.70	0.68	0.58	0.58	0.58	0.59	0.74	0.78
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.93	0.61	0.56	0.55	0.60	0.77	0.77	0.73	0.73	0.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.06	1.12	0.90	0.70	0.62	0.57	0.56	0.61	0.64	0.64	0.70	0.77
USGS 07380335 - Little Lake Near Cutoff	1.07	1.21	1.03	0.86	0.74	0.62	0.61	0.67	0.72	0.66	0.72	0.90
USGS073802516 Barataria Pass at Grand Isle	1.04	1.15	0.92	0.75	0.71	0.63	0.59	0.63	0.66	0.63	0.68	0.79
HWQ14 - Lake Washington	1.09	1.04	0.82	0.56	0.53	0.52	0.54	0.65	0.66	0.65	0.70	0.66
HWQ16 - Bayou Grand Liard	1.09	1.34	1.34	1.20	1.19	0.94	0.85	0.89	0.87	0.66	0.72	1.04
CRMS 3985	1.24	1.07	1.00	0.60	0.56	0.59	0.68	1.00	0.91	0.85	0.68	0.88
CRMS 0258	1.20	1.30	1.12	0.96	1.01	1.05	0.88	0.74	0.70	0.70	0.94	1.19
CRMS 0224	1.04	1.18	0.88	0.83	0.82	0.75	0.59	0.58	0.69	0.67	0.77	0.92
CRMS 0163	1.84	1.81	1.84	1.87	1.89	1.82	1.74	1.75	1.91	1.80	1.90	1.83
CRMS 0162	1.89	1.89	1.93	1.95	1.97	1.92	1.93	1.85	1.75	1.75	1.83	1.87

V3PR6 HYST - cy 1 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.99	2.00	2.01	2.02	2.02	1.89	1.91	1.86	1.82	1.85	1.93
CRMS0276 - Just east of Wilkinson Canal	1.54	1.67	1.69	1.62	1.60	1.31	1.02	1.02	1.22	1.01	1.11	1.52
Barataria Waterway at Lafitte (USACE82875)	1.85	1.85	1.85	1.85	1.81	1.65	1.61	1.57	1.71	1.61	1.86	1.90
USGS2928590900040000 Barataria Waterway South of Lafitte	2.02	1.96	1.98	1.99	2.00	1.85	1.50	1.38	1.28	1.36	1.73	1.86
USGS7380251 Barataria Bay North of Grand Isle	1.65	1.79	1.84	1.85	1.85	1.12	0.87	0.91	0.88	0.89	1.14	1.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.71	1.85	1.90	1.91	1.93	1.29	0.94	0.91	0.93	0.91	1.07	1.57
USGS 07380335 - Little Lake Near Cutoff	1.65	1.81	1.86	1.86	1.88	1.23	0.86	0.85	0.90	0.82	0.96	1.46
USGS073802516 Barataria Pass at Grand Isle	1.53	1.62	1.63	1.49	1.44	1.02	0.76	0.77	0.81	0.78	0.93	1.30
HWQ14 - Lake Washington	1.41	1.51	1.52	1.35	1.29	0.87	0.71	0.73	0.75	0.78	0.94	1.24
HWQ16 - Bayou Grand Liard	1.31	1.61	1.67	1.60	1.57	1.13	0.88	0.93	0.90	0.70	0.77	1.19
CRMS 3985	1.46	1.61	1.68	1.59	1.57	0.95	0.83	0.85	0.84	0.86	1.03	1.38
CRMS 0258	1.71	1.73	1.78	1.80	1.77	1.18	1.03	0.95	0.80	0.78	1.13	1.50
CRMS 0224	1.72	1.76	1.81	1.84	1.84	1.18	0.92	0.86	0.88	0.87	1.11	1.50
CRMS 0163	1.84	1.83	1.84	1.87	1.89	1.82	1.74	1.78	1.95	1.82	1.88	1.84
CRMS 0162	1.87	1.89	1.92	1.92	1.95	1.87	1.92	1.87	1.76	1.75	1.79	1.87

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.80	0.87	1.20	1.38	1.39	1.43	1.33	1.31	1.28	1.21	1.12	1.13
CRMS0276 - Just east of Wilkinson Canal	0.21	0.02	0.03	0.03	0.03	-0.03	0.02	0.05	0.02	0.03	0.02	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.02	-0.01	0.03	0.05	0.06	0.05	0.04	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.96	0.85	1.27	1.35	1.31	1.17	0.91	0.80	0.70	0.77	0.99	1.08
USGS7380251 Barataria Bay North of Grand Isle	0.44	0.71	0.91	1.24	1.30	0.56	0.28	0.14	0.11	0.16	0.41	0.75
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.64	0.73	1.00	1.21	1.31	0.72	0.38	0.30	0.29	0.28	0.37	0.80
USGS 07380335 - Little Lake Near Cutoff	0.58	0.60	0.82	1.00	1.14	0.61	0.25	0.18	0.18	0.16	0.24	0.57
USGS073802516 Barataria Pass at Grand Isle	0.49	0.47	0.72	0.73	0.73	0.39	0.17	0.14	0.15	0.15	0.24	0.51
HWQ14 - Lake Washington	0.33	0.47	0.70	0.79	0.76	0.35	0.17	0.08	0.09	0.13	0.24	0.58
HWQ16 - Bayou Grand Liard	0.22	0.27	0.33	0.40	0.38	0.19	0.03	0.05	0.03	0.04	0.05	0.15
CRMS 3985	0.22	0.53	0.68	0.99	1.01	0.36	0.15	-0.16	-0.06	0.01	0.34	0.50
CRMS 0258	0.51	0.43	0.66	0.84	0.76	0.13	0.15	0.21	0.10	0.08	0.19	0.31
CRMS 0224	0.68	0.58	0.93	1.01	1.01	0.44	0.33	0.28	0.18	0.20	0.34	0.58
CRMS 0163	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.02	-0.02	0.00
CRMS 0162	-0.02	0.00	-0.01	-0.02	-0.02	-0.05	-0.01	0.03	0.01	0.01	-0.04	0.00

Figure WQ TOTN 62 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.07	0.72	0.56	0.56	0.47	0.49	0.54	0.54	0.59	0.79	0.82
CRMS0276 - Just east of Wilkinson Canal	1.20	1.57	1.45	1.40	1.36	1.13	0.69	0.67	0.94	1.04	1.32	1.49
Barataria Waterway at Lafitte (USACE82875)	1.79	1.83	1.84	1.80	1.73	1.50	1.27	1.33	1.50	1.72	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.03	0.64	0.55	0.57	0.51	0.48	0.52	0.52	0.55	0.75	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.98	0.63	0.49	0.48	0.67	0.67	0.77	0.80	0.82	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.05	1.09	0.85	0.64	0.53	0.47	0.50	0.50	0.58	0.61	0.79	0.82
USGS 07380335 - Little Lake Near Cutoff	1.02	1.15	0.92	0.75	0.61	0.51	0.50	0.50	0.61	0.63	0.84	0.94
USGS073802516 Barataria Pass at Grand Isle	1.03	1.11	0.86	0.68	0.59	0.51	0.48	0.48	0.57	0.60	0.77	0.84
HWQ14 - Lake Washington	1.12	1.04	0.88	0.60	0.46	0.44	0.56	0.55	0.64	0.67	0.77	0.72
HWQ16 - Bayou Grand Liard	1.02	1.26	1.12	0.98	0.93	0.77	0.59	0.59	0.67	0.67	0.86	1.06
CRMS 3985	1.27	1.09	1.16	0.66	0.43	0.54	0.95	0.91	0.94	0.98	0.75	0.95
CRMS 0258	0.99	1.18	0.80	0.82	0.86	0.66	0.56	0.54	0.54	0.59	1.04	1.18
CRMS 0224	0.99	1.10	0.75	0.70	0.63	0.54	0.47	0.48	0.58	0.60	0.84	0.93
CRMS 0163	1.82	1.83	1.84	1.84	1.78	1.67	1.51	1.60	1.81	1.84	1.87	1.84
CRMS 0162	1.87	1.87	1.90	1.86	1.80	1.77	1.86	1.70	1.41	1.90	1.86	1.89

V3PR6 HYST - cy 1 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.85	1.97	1.97	1.90	1.95	1.86	1.86	1.92	1.83	1.76	1.80	1.87
CRMS0276 - Just east of Wilkinson Canal	1.22	1.57	1.44	1.44	1.29	1.12	0.75	0.71	0.97	1.07	1.32	1.51
Barataria Waterway at Lafitte (USACE82875)	1.83	1.84	1.87	1.81	1.73	1.54	1.35	1.40	1.56	1.77	1.90	1.91
USGS2928590900040000 Barataria Waterway South of Lafitte	1.72	1.93	1.89	1.61	1.75	0.98	1.15	1.16	1.08	1.21	1.43	1.67
USGS7380251 Barataria Bay North of Grand Isle	0.92	1.54	1.41	1.20	1.39	0.71	0.71	0.76	0.78	0.80	0.97	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.05	1.65	1.47	1.25	1.56	0.76	0.71	0.71	0.76	0.79	0.99	1.13
USGS 07380335 - Little Lake Near Cutoff	1.02	1.56	1.39	1.23	1.45	0.71	0.64	0.61	0.72	0.73	0.95	1.12
USGS073802516 Barataria Pass at Grand Isle	0.91	1.30	1.16	1.04	0.97	0.67	0.58	0.56	0.65	0.68	0.87	0.98
HWQ14 - Lake Washington	0.75	1.09	1.01	0.90	0.79	0.61	0.59	0.61	0.67	0.69	0.80	0.75
HWQ16 - Bayou Grand Liard	1.02	1.32	1.20	1.14	1.08	0.84	0.64	0.62	0.71	0.70	0.88	1.09
CRMS 3985	0.72	1.18	1.08	0.92	0.95	0.66	0.69	0.74	0.83	0.82	0.69	0.46
CRMS 0258	1.30	1.56	1.23	1.10	1.22	0.75	0.68	0.69	0.62	0.64	1.09	1.32
CRMS 0224	1.20	1.59	1.32	1.18	1.20	0.71	0.66	0.67	0.70	0.72	1.01	1.23
CRMS 0163	1.84	1.84	1.86	1.84	1.77	1.67	1.55	1.63	1.85	1.87	1.88	1.88
CRMS 0162	1.86	1.87	1.89	1.82	1.76	1.73	1.88	1.70	1.44	1.93	1.85	1.92

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.77	0.90	1.25	1.35	1.39	1.39	1.37	1.37	1.29	1.17	1.01	1.05
CRMS0276 - Just east of Wilkinson Canal	0.02	0.00	-0.02	0.04	-0.08	-0.01	0.06	0.04	0.03	0.03	0.01	0.02
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.03	0.01	0.00	0.03	0.08	0.07	0.06	0.05	0.02	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.90	1.25	1.07	1.18	0.47	0.67	0.64	0.56	0.66	0.69	0.90
USGS7380251 Barataria Bay North of Grand Isle	-0.29	0.46	0.43	0.57	0.90	0.23	0.04	0.09	0.02	0.00	0.16	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.56	0.61	0.61	1.03	0.29	0.21	0.21	0.17	0.17	0.20	0.31
USGS 07380335 - Little Lake Near Cutoff	0.00	0.40	0.47	0.48	0.84	0.20	0.14	0.11	0.11	0.10	0.12	0.18
USGS073802516 Barataria Pass at Grand Isle	-0.12	0.19	0.29	0.36	0.39	0.15	0.10	0.08	0.08	0.08	0.10	0.15
HWQ14 - Lake Washington	-0.37	0.05	0.13	0.30	0.33	0.17	0.03	0.06	0.03	0.01	0.04	0.03
HWQ16 - Bayou Grand Liard	0.00	0.06	0.08	0.16	0.15	0.07	0.05	0.03	0.04	0.02	0.02	0.03
CRMS 3985	-0.56	0.09	-0.08	0.26	0.52	0.12	-0.26	-0.17	-0.11	-0.16	-0.06	-0.49
CRMS 0258	0.30	0.37	0.43	0.28	0.36	0.09	0.12	0.15	0.08	0.05	0.05	0.14
CRMS 0224	0.21	0.48	0.57	0.48	0.57	0.17	0.19	0.19	0.12	0.12	0.17	0.30
CRMS 0163	0.02	0.02	0.03	0.00	0.00	0.00	0.05	0.03	0.05	0.03	0.01	0.04
CRMS 0162	0.00	0.00	0.00	-0.04	-0.04	-0.04	0.03	0.00	0.03	0.03	-0.01	0.03

Figure WQ TOTN 63 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.27	0.91	0.64	0.64	0.58	0.59	0.63	0.61	0.64	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.38	1.67	1.62	1.57	1.51	1.42	1.13	1.16	1.44	1.17	1.14	1.36
Barataria Waterway at Lafitte (USACE82875)	1.83	1.84	1.89	1.86	1.76	1.68	1.67	1.63	1.68	1.66	1.76	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.24	0.80	0.64	0.69	0.66	0.59	0.60	0.64	0.65	0.83	0.86
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.33	1.06	0.64	0.58	0.56	0.60	0.64	0.75	0.74	0.86	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.28	1.00	0.71	0.61	0.57	0.57	0.61	0.66	0.68	0.79	0.96
USGS 07380335 - Little Lake Near Cutoff	1.18	1.33	1.10	0.87	0.71	0.64	0.65	0.75	0.76	0.74	0.81	0.95
USGS073802516 Barataria Pass at Grand Isle	1.19	1.28	1.01	0.76	0.67	0.64	0.63	0.70	0.69	0.68	0.75	0.93
HWQ14 - Lake Washington	1.26	1.26	0.96	0.60	0.54	0.52	0.55	0.56	0.65	0.67	0.78	1.04
HWQ16 - Bayou Grand Liard	1.18	1.41	1.31	1.16	1.06	1.03	1.01	1.08	1.00	0.78	0.75	0.96
CRMS 3985	1.46	1.39	1.12	0.65	0.59	0.60	0.67	0.71	0.89	0.86	1.00	1.33
CRMS 0258	1.25	1.38	1.17	0.96	1.01	1.06	1.03	1.06	0.96	0.85	1.15	1.17
CRMS 0224	1.15	1.29	0.93	0.82	0.78	0.74	0.61	0.61	0.78	0.76	0.90	0.96
CRMS 0163	1.80	1.82	1.89	1.87	1.85	1.81	1.77	1.78	1.91	1.84	1.83	1.83
CRMS 0162	1.88	1.91	1.95	1.92	1.92	1.89	1.93	1.91	1.89	1.94	1.75	1.88

V3PR6 HYST - cy 1 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	2.00	2.00	2.00	2.01	2.00	1.99	1.92	1.85	1.83	1.88	1.89
CRMS0276 - Just east of Wilkinson Canal	1.58	1.70	1.69	1.60	1.51	1.47	1.49	1.39	1.49	1.22	1.19	1.37
Barataria Waterway at Lafitte (USACE82875)	1.83	1.85	1.88	1.83	1.75	1.68	1.66	1.64	1.74	1.70	1.79	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.94	1.96	1.98	1.99	2.00	1.98	1.97	1.65	1.22	1.31	1.75	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.82	1.86	1.82	1.77	1.73	1.68	1.32	0.89	0.91	1.19	1.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.80	1.87	1.91	1.88	1.87	1.87	1.84	1.49	0.97	0.95	1.15	1.39
USGS 07380335 - Little Lake Near Cutoff	1.74	1.83	1.88	1.83	1.79	1.78	1.75	1.48	0.99	0.90	1.06	1.26
USGS073802516 Barataria Pass at Grand Isle	1.59	1.66	1.64	1.46	1.33	1.23	1.24	1.16	0.89	0.84	1.00	1.21
HWQ14 - Lake Washington	1.48	1.57	1.51	1.31	1.16	1.09	1.08	0.97	0.79	0.79	0.99	1.24
HWQ16 - Bayou Grand Liard	1.42	1.66	1.63	1.54	1.42	1.36	1.26	1.22	1.07	0.84	0.82	1.02
CRMS 3985	1.59	1.66	1.68	1.53	1.42	1.38	1.32	1.17	0.85	0.83	1.04	1.37
CRMS 0258	1.73	1.76	1.85	1.76	1.64	1.64	1.68	1.47	1.26	1.02	1.44	1.47
CRMS 0224	1.74	1.79	1.87	1.81	1.71	1.69	1.69	1.37	1.02	0.98	1.25	1.39
CRMS 0163	1.81	1.82	1.89	1.87	1.84	1.80	1.74	1.80	1.95	1.86	1.85	1.83
CRMS 0162	1.87	1.90	1.93	1.90	1.89	1.85	1.91	1.90	1.92	1.96	1.72	1.87

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.73	1.09	1.36	1.36	1.41	1.41	1.30	1.24	1.19	1.08	0.95
CRMS0276 - Just east of Wilkinson Canal	0.20	0.03	0.07	0.03	0.00	0.05	0.36	0.23	0.05	0.05	0.06	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.03	-0.01	0.00	-0.02	0.00	0.06	0.04	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.75	0.72	1.18	1.35	1.31	1.32	1.37	1.05	0.58	0.66	0.92	0.97
USGS7380251 Barataria Bay North of Grand Isle	0.39	0.48	0.81	1.17	1.19	1.16	1.08	0.68	0.14	0.17	0.33	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.60	0.59	0.91	1.17	1.25	1.30	1.27	0.88	0.30	0.27	0.36	0.44
USGS 07380335 - Little Lake Near Cutoff	0.56	0.50	0.78	0.96	1.08	1.15	1.10	0.74	0.23	0.17	0.25	0.31
USGS073802516 Barataria Pass at Grand Isle	0.41	0.38	0.63	0.69	0.66	0.59	0.61	0.47	0.20	0.16	0.26	0.28
HWQ14 - Lake Washington	0.22	0.31	0.55	0.71	0.62	0.57	0.53	0.40	0.14	0.13	0.21	0.20
HWQ16 - Bayou Grand Liard	0.24	0.25	0.32	0.38	0.36	0.33	0.26	0.14	0.07	0.06	0.07	0.06
CRMS 3985	0.13	0.27	0.56	0.88	0.84	0.78	0.66	0.46	-0.04	-0.03	0.04	0.04
CRMS 0258	0.48	0.38	0.68	0.81	0.63	0.59	0.65	0.40	0.29	0.17	0.29	0.30
CRMS 0224	0.59	0.49	0.94	0.98	0.93	0.95	1.08	0.75	0.24	0.22	0.36	0.44
CRMS 0163	0.01	0.01	0.00	-0.01	0.00	-0.01	-0.02	0.01	0.05	0.02	0.02	0.00
CRMS 0162	0.00	-0.01	-0.02	-0.02	-0.03	-0.04	-0.02	-0.01	0.04	0.01	-0.02	-0.01

Figure WQ TOTN 64 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.22	0.91	0.63	0.62	0.58	0.59	0.63	0.59	0.63	0.75	0.89
CRMS0276 - Just east of Wilkinson Canal	1.38	1.53	1.59	1.58	1.64	1.39	1.11	1.20	1.38	1.08	1.01	1.58
Barataria Waterway at Lafitte (USACE82875)	1.86	1.89	1.82	1.85	1.82	1.71	1.65	1.60	1.67	1.60	1.80	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.19	0.80	0.64	0.69	0.67	0.60	0.60	0.60	0.61	0.77	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.31	1.10	0.65	0.56	0.55	0.60	0.64	0.75	0.78	0.75	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.23	0.99	0.73	0.63	0.58	0.57	0.61	0.66	0.67	0.71	0.84
USGS 07380335 - Little Lake Near Cutoff	1.16	1.23	1.06	0.89	0.77	0.65	0.64	0.74	0.77	0.71	0.71	0.93
USGS073802516 Barataria Pass at Grand Isle	1.15	1.21	0.99	0.79	0.73	0.66	0.63	0.69	0.69	0.67	0.69	0.85
HWQ14 - Lake Washington	1.20	1.25	1.00	0.62	0.53	0.52	0.54	0.56	0.65	0.69	0.72	0.81
HWQ16 - Bayou Grand Liard	1.16	1.23	1.24	1.19	1.24	1.09	1.02	1.05	0.97	0.73	0.69	1.10
CRMS 3985	1.44	1.34	1.23	0.69	0.56	0.58	0.66	0.71	0.88	0.93	0.75	1.14
CRMS 0258	1.22	1.22	1.17	0.97	1.00	1.04	1.05	1.06	0.92	0.82	0.96	1.21
CRMS 0224	1.14	1.20	0.91	0.84	0.83	0.76	0.64	0.63	0.77	0.71	0.78	0.94
CRMS 0163	1.88	1.90	1.78	1.85	1.81	1.91	1.75	1.80	1.91	1.80	1.88	1.79
CRMS 0162	1.87	1.86	1.88	1.91	1.90	1.97	1.95	1.91	1.88	1.85	1.80	1.87

V3PR6 HYST - cy 1 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.07	1.97	1.98	2.00	1.96	2.00	2.00	1.90	1.86	1.83	1.89	1.99
CRMS0276 - Just east of Wilkinson Canal	1.61	1.57	1.61	1.62	1.58	1.50	1.50	1.24	1.42	1.13	1.11	1.64
Barataria Waterway at Lafitte (USACE82875)	1.87	1.89	1.83	1.85	1.80	1.71	1.64	1.63	1.74	1.65	1.81	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	2.60	2.15	1.94	1.98	1.94	1.99	1.98	1.41	1.27	1.36	1.79	1.94
USGS7380251 Barataria Bay North of Grand Isle	1.73	1.61	1.75	1.82	1.78	1.78	1.68	1.01	0.91	0.93	1.21	1.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.76	1.64	1.81	1.88	1.85	1.90	1.86	1.15	0.99	0.97	1.16	1.83
USGS 07380335 - Little Lake Near Cutoff	1.65	1.57	1.76	1.83	1.80	1.83	1.77	1.14	0.99	0.89	1.02	1.77
USGS073802516 Barataria Pass at Grand Isle	1.59	1.50	1.52	1.48	1.43	1.30	1.25	1.03	0.90	0.85	0.99	1.55
HWQ14 - Lake Washington	1.51	1.47	1.43	1.36	1.29	1.16	1.07	0.87	0.80	0.82	1.00	1.42
HWQ16 - Bayou Grand Liard	1.33	1.33	1.52	1.57	1.55	1.41	1.28	1.11	1.03	0.78	0.78	1.45
CRMS 3985	1.53	1.51	1.58	1.57	1.53	1.46	1.34	1.01	0.83	0.87	1.05	1.57
CRMS 0258	2.02	1.75	1.67	1.76	1.69	1.71	1.68	1.30	1.14	0.96	1.37	1.72
CRMS 0224	1.93	1.70	1.69	1.80	1.74	1.79	1.70	1.09	1.00	0.97	1.22	1.74
CRMS 0163	1.88	1.89	1.79	1.85	1.80	1.89	1.74	1.82	1.96	1.84	1.87	1.81
CRMS 0162	1.86	1.83	1.87	1.89	1.87	1.93	1.93	1.90	1.92	1.87	1.76	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.75	1.08	1.36	1.34	1.42	1.41	1.27	1.26	1.20	1.13	1.10
CRMS0276 - Just east of Wilkinson Canal	0.22	0.04	0.03	0.04	-0.07	0.11	0.39	0.04	0.03	0.05	0.10	0.06
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.01	-0.01	-0.02	-0.01	-0.02	0.03	0.07	0.05	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.44	0.96	1.14	1.33	1.25	1.32	1.38	0.82	0.67	0.75	1.02	1.10
USGS7380251 Barataria Bay North of Grand Isle	0.40	0.30	0.65	1.17	1.23	1.23	1.08	0.37	0.16	0.15	0.46	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.42	0.81	1.15	1.22	1.32	1.29	0.54	0.33	0.30	0.45	0.99
USGS 07380335 - Little Lake Near Cutoff	0.49	0.34	0.70	0.94	1.03	1.18	1.12	0.40	0.23	0.19	0.31	0.85
USGS073802516 Barataria Pass at Grand Isle	0.44	0.29	0.54	0.70	0.70	0.64	0.62	0.33	0.21	0.18	0.30	0.70
HWQ14 - Lake Washington	0.31	0.22	0.43	0.74	0.76	0.63	0.53	0.31	0.15	0.13	0.28	0.61
HWQ16 - Bayou Grand Liard	0.17	0.10	0.28	0.38	0.31	0.32	0.26	0.06	0.06	0.05	0.08	0.35
CRMS 3985	0.09	0.16	0.35	0.88	0.97	0.87	0.68	0.29	-0.04	-0.06	0.29	0.43
CRMS 0258	0.80	0.54	0.50	0.79	0.70	0.67	0.64	0.24	0.22	0.14	0.42	0.51
CRMS 0224	0.79	0.51	0.78	0.96	0.92	1.02	1.07	0.46	0.23	0.26	0.44	0.80
CRMS 0163	0.01	-0.01	0.01	0.00	-0.01	-0.02	-0.01	0.02	0.05	0.04	-0.01	0.02
CRMS 0162	-0.01	-0.03	-0.01	-0.03	-0.03	-0.04	-0.02	-0.01	0.04	0.03	-0.04	0.01

Figure WQ TOTN 65 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.15	0.78	0.60	0.62	0.57	0.55	0.56	0.55	0.59	0.77	0.92
CRMS0276 - Just east of Wilkinson Canal	1.36	1.64	1.65	1.62	1.55	1.42	1.06	0.97	1.24	1.18	1.30	1.45
Barataria Waterway at Lafitte (USACE82875)	1.82	1.85	1.86	1.87	1.79	1.68	1.55	1.49	1.68	1.71	1.86	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.16	0.71	0.63	0.69	0.67	0.58	0.55	0.56	0.58	0.78	0.83
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.02	0.80	0.54	0.51	0.51	0.54	0.59	0.74	0.72	0.85	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.15	0.83	0.67	0.59	0.54	0.53	0.55	0.61	0.64	0.81	0.99
USGS 07380335 - Little Lake Near Cutoff	1.16	1.24	0.99	0.86	0.71	0.61	0.61	0.64	0.70	0.70	0.86	1.02
USGS073802516 Barataria Pass at Grand Isle	1.15	1.18	0.86	0.74	0.68	0.62	0.59	0.60	0.62	0.64	0.78	0.97
HWQ14 - Lake Washington	1.22	1.03	0.71	0.50	0.48	0.47	0.49	0.51	0.63	0.64	0.77	1.03
HWQ16 - Bayou Grand Liard	1.13	1.35	1.30	1.22	1.15	0.99	0.92	0.87	0.87	0.77	0.87	1.05
CRMS 3985	1.31	0.91	0.75	0.48	0.47	0.50	0.54	0.70	0.90	0.85	0.99	1.28
CRMS 0258	1.26	1.34	1.14	0.96	1.01	1.07	0.98	0.78	0.72	0.74	1.12	1.22
CRMS 0224	1.13	1.23	0.86	0.83	0.80	0.73	0.60	0.55	0.68	0.69	0.90	1.00
CRMS 0163	1.81	1.84	1.84	1.86	1.89	1.83	1.71	1.75	1.90	1.85	1.86	1.84
CRMS 0162	1.88	1.90	1.93	1.94	1.96	1.92	1.94	1.88	1.86	1.94	1.80	1.88

V3PR7 HYST - cy 1 - 1975 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	2.00	2.01	2.01	2.00	1.91	1.92	1.84	1.80	1.87	1.91
CRMS0276 - Just east of Wilkinson Canal	1.55	1.68	1.69	1.63	1.59	1.43	1.21	1.02	1.28	1.20	1.34	1.50
Barataria Waterway at Lafitte (USACE82875)	1.83	1.86	1.85	1.86	1.78	1.68	1.57	1.53	1.74	1.75	1.89	1.92
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.94	1.96	1.99	1.99	1.99	1.61	1.33	1.20	1.30	1.70	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.54	1.78	1.83	1.85	1.84	1.68	1.15	0.93	0.90	0.91	1.16	1.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.69	1.86	1.89	1.91	1.92	1.86	1.29	0.91	0.94	0.93	1.14	1.29
USGS 07380335 - Little Lake Near Cutoff	1.60	1.81	1.85	1.86	1.87	1.75	1.26	0.84	0.92	0.88	1.08	1.24
USGS073802516 Barataria Pass at Grand Isle	1.29	1.59	1.61	1.50	1.42	1.17	1.00	0.78	0.82	0.82	1.01	1.14
HWQ14 - Lake Washington	1.02	1.44	1.48	1.38	1.27	1.01	0.86	0.74	0.77	0.80	0.97	0.96
HWQ16 - Bayou Grand Liard	1.29	1.59	1.64	1.61	1.54	1.30	1.05	0.89	0.91	0.81	0.90	1.11
CRMS 3985	1.13	1.57	1.65	1.60	1.55	1.30	1.04	0.89	0.86	0.88	0.94	0.60
CRMS 0258	1.67	1.76	1.78	1.78	1.75	1.58	1.29	1.07	0.92	0.88	1.33	1.43
CRMS 0224	1.66	1.78	1.80	1.82	1.82	1.62	1.22	0.90	0.91	0.92	1.22	1.37
CRMS 0163	1.82	1.85	1.84	1.85	1.89	1.81	1.71	1.77	1.95	1.86	1.88	1.88
CRMS 0162	1.87	1.89	1.91	1.92	1.94	1.86	1.91	1.89	1.89	1.94	1.81	1.92

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.84	1.22	1.42	1.39	1.43	1.36	1.36	1.29	1.20	1.09	0.99
CRMS0276 - Just east of Wilkinson Canal	0.18	0.04	0.04	0.01	0.04	0.02	0.14	0.05	0.04	0.02	0.03	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	-0.01	-0.01	-0.02	0.00	0.02	0.04	0.06	0.03	0.03	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.78	1.25	1.36	1.30	1.32	1.03	0.78	0.64	0.72	0.92	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.76	1.03	1.31	1.33	1.17	0.62	0.33	0.16	0.19	0.30	-0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.51	0.70	1.06	1.23	1.33	1.32	0.76	0.36	0.33	0.30	0.34	0.30
USGS 07380335 - Little Lake Near Cutoff	0.44	0.57	0.86	0.99	1.16	1.15	0.65	0.20	0.22	0.18	0.22	0.22
USGS073802516 Barataria Pass at Grand Isle	0.13	0.41	0.75	0.77	0.74	0.55	0.41	0.18	0.19	0.18	0.23	0.16
HWQ14 - Lake Washington	-0.20	0.41	0.78	0.88	0.78	0.54	0.38	0.23	0.14	0.16	0.20	-0.07
HWQ16 - Bayou Grand Liard	0.16	0.24	0.34	0.39	0.40	0.31	0.13	0.02	0.05	0.04	0.03	0.06
CRMS 3985	-0.18	0.66	0.91	1.11	1.07	0.80	0.50	0.19	-0.04	0.03	-0.05	-0.67
CRMS 0258	0.42	0.41	0.64	0.82	0.75	0.50	0.31	0.30	0.20	0.13	0.21	0.22
CRMS 0224	0.53	0.55	0.94	0.99	1.01	0.88	0.62	0.35	0.23	0.23	0.31	0.37
CRMS 0163	0.01	0.01	0.00	0.00	-0.01	-0.02	0.00	0.02	0.05	0.01	0.03	0.04
CRMS 0162	-0.01	-0.01	-0.02	-0.03	-0.03	-0.06	-0.03	0.01	0.03	0.00	0.01	0.03

Figure WQ TOTN 66 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.16	1.12	0.80	0.62	0.63	0.58	0.56	0.60	0.58	0.61	0.72	0.81
CRMS0276 - Just east of Wilkinson Canal	1.33	1.64	1.66	1.59	1.57	1.35	1.00	0.97	1.20	0.98	1.09	1.54
Barataria Waterway at Lafitte (USACE82875)	1.84	1.84	1.85	1.87	1.81	1.62	1.55	1.51	1.66	1.57	1.86	1.91
USGS2928590900040000 Barataria Waterway South of Lafitte	1.06	1.10	0.71	0.63	0.70	0.68	0.58	0.58	0.58	0.59	0.74	0.78
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.93	0.61	0.56	0.55	0.60	0.77	0.77	0.73	0.73	0.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.06	1.12	0.90	0.70	0.62	0.57	0.56	0.61	0.64	0.64	0.70	0.77
USGS 07380335 - Little Lake Near Cutoff	1.07	1.21	1.03	0.86	0.74	0.62	0.61	0.67	0.72	0.66	0.72	0.90
USGS073802516 Barataria Pass at Grand Isle	1.04	1.15	0.92	0.75	0.71	0.63	0.59	0.63	0.66	0.63	0.68	0.79
HWQ14 - Lake Washington	1.09	1.04	0.82	0.56	0.53	0.52	0.54	0.65	0.66	0.65	0.70	0.66
HWQ16 - Bayou Grand Liard	1.09	1.34	1.34	1.20	1.19	0.94	0.85	0.89	0.87	0.66	0.72	1.04
CRMS 3985	1.24	1.07	1.00	0.60	0.56	0.59	0.68	1.00	0.91	0.85	0.68	0.88
CRMS 0258	1.20	1.30	1.12	0.96	1.01	1.05	0.88	0.74	0.70	0.70	0.94	1.19
CRMS 0224	1.04	1.18	0.88	0.83	0.82	0.75	0.59	0.58	0.69	0.67	0.77	0.92
CRMS 0163	1.84	1.81	1.84	1.87	1.89	1.82	1.74	1.75	1.91	1.80	1.90	1.83
CRMS 0162	1.89	1.89	1.93	1.95	1.97	1.92	1.93	1.85	1.75	1.75	1.83	1.87

V3PR7 HYST - cy 1 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.99	2.00	2.01	2.02	2.01	1.88	1.91	1.86	1.82	1.85	1.93
CRMS0276 - Just east of Wilkinson Canal	1.54	1.67	1.69	1.62	1.60	1.32	1.03	1.02	1.22	1.02	1.12	1.53
Barataria Waterway at Lafitte (USACE82875)	1.85	1.85	1.85	1.85	1.81	1.65	1.60	1.57	1.71	1.61	1.86	1.90
USGS2928590900040000 Barataria Waterway South of Lafitte	1.99	1.94	1.97	1.98	2.00	1.86	1.57	1.37	1.22	1.33	1.71	1.85
USGS7380251 Barataria Bay North of Grand Isle	1.65	1.79	1.84	1.85	1.86	1.12	0.88	0.92	0.88	0.89	1.14	1.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.71	1.86	1.90	1.91	1.93	1.29	0.95	0.91	0.93	0.92	1.08	1.57
USGS 07380335 - Little Lake Near Cutoff	1.65	1.81	1.86	1.86	1.88	1.24	0.86	0.85	0.90	0.83	0.97	1.47
USGS073802516 Barataria Pass at Grand Isle	1.53	1.62	1.64	1.49	1.45	1.02	0.76	0.77	0.80	0.78	0.93	1.30
HWQ14 - Lake Washington	1.42	1.51	1.53	1.36	1.29	0.88	0.71	0.73	0.75	0.78	0.95	1.24
HWQ16 - Bayou Grand Liard	1.33	1.61	1.67	1.60	1.57	1.13	0.88	0.91	0.89	0.71	0.78	1.20
CRMS 3985	1.46	1.61	1.68	1.59	1.57	0.96	0.83	0.85	0.84	0.86	1.02	1.37
CRMS 0258	1.71	1.73	1.77	1.80	1.76	1.18	1.03	0.95	0.80	0.79	1.14	1.51
CRMS 0224	1.72	1.76	1.80	1.84	1.83	1.18	0.92	0.85	0.87	0.87	1.12	1.50
CRMS 0163	1.84	1.83	1.83	1.87	1.89	1.82	1.75	1.78	1.95	1.82	1.88	1.84
CRMS 0162	1.87	1.89	1.92	1.93	1.95	1.87	1.92	1.87	1.77	1.76	1.79	1.87

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.80	0.87	1.20	1.38	1.39	1.43	1.32	1.31	1.28	1.22	1.12	1.13
CRMS0276 - Just east of Wilkinson Canal	0.21	0.02	0.03	0.02	0.03	-0.03	0.03	0.05	0.02	0.04	0.03	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.02	-0.01	0.03	0.05	0.06	0.05	0.04	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.93	0.84	1.26	1.35	1.30	1.18	0.99	0.79	0.65	0.74	0.97	1.07
USGS7380251 Barataria Bay North of Grand Isle	0.45	0.71	0.91	1.25	1.30	0.57	0.28	0.15	0.11	0.17	0.41	0.75
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.65	0.73	1.00	1.21	1.31	0.72	0.39	0.30	0.29	0.28	0.38	0.80
USGS 07380335 - Little Lake Near Cutoff	0.58	0.60	0.83	1.00	1.14	0.61	0.25	0.18	0.18	0.16	0.25	0.57
USGS073802516 Barataria Pass at Grand Isle	0.49	0.47	0.72	0.74	0.74	0.39	0.17	0.14	0.14	0.15	0.25	0.51
HWQ14 - Lake Washington	0.33	0.47	0.71	0.80	0.77	0.36	0.17	0.08	0.09	0.13	0.25	0.58
HWQ16 - Bayou Grand Liard	0.23	0.27	0.33	0.40	0.38	0.19	0.04	0.03	0.03	0.05	0.05	0.16
CRMS 3985	0.23	0.54	0.68	1.00	1.02	0.37	0.15	-0.15	-0.07	0.01	0.34	0.50
CRMS 0258	0.51	0.43	0.65	0.83	0.75	0.13	0.15	0.21	0.11	0.08	0.20	0.32
CRMS 0224	0.68	0.58	0.92	1.01	1.00	0.43	0.33	0.28	0.18	0.20	0.34	0.58
CRMS 0163	0.00	0.02	0.00	0.00	0.00	0.00	0.01	0.04	0.04	0.02	-0.02	0.00
CRMS 0162	-0.02	0.00	-0.01	-0.02	-0.02	-0.05	-0.01	0.02	0.02	0.02	-0.04	0.00

Figure WQ TOTN 67 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.07	0.72	0.56	0.56	0.47	0.49	0.54	0.54	0.59	0.79	0.82
CRMS0276 - Just east of Wilkinson Canal	1.20	1.57	1.45	1.40	1.36	1.13	0.69	0.67	0.94	1.04	1.32	1.49
Barataria Waterway at Lafitte (USACE82875)	1.79	1.83	1.84	1.80	1.73	1.50	1.27	1.33	1.50	1.72	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.03	0.64	0.55	0.57	0.51	0.48	0.52	0.52	0.55	0.75	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.98	0.63	0.49	0.48	0.67	0.67	0.77	0.80	0.82	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.05	1.09	0.85	0.64	0.53	0.47	0.50	0.50	0.58	0.61	0.79	0.82
USGS 07380335 - Little Lake Near Cutoff	1.02	1.15	0.92	0.75	0.61	0.51	0.50	0.50	0.61	0.63	0.84	0.94
USGS073802516 Barataria Pass at Grand Isle	1.03	1.11	0.86	0.68	0.59	0.51	0.48	0.48	0.57	0.60	0.77	0.84
HWQ14 - Lake Washington	1.12	1.04	0.88	0.60	0.46	0.44	0.56	0.55	0.64	0.67	0.77	0.72
HWQ16 - Bayou Grand Liard	1.02	1.26	1.12	0.98	0.93	0.77	0.59	0.59	0.67	0.67	0.86	1.06
CRMS 3985	1.27	1.09	1.16	0.66	0.43	0.54	0.95	0.91	0.94	0.98	0.75	0.95
CRMS 0258	0.99	1.18	0.80	0.82	0.86	0.66	0.56	0.54	0.54	0.59	1.04	1.18
CRMS 0224	0.99	1.10	0.75	0.70	0.63	0.54	0.47	0.48	0.58	0.60	0.84	0.93
CRMS 0163	1.82	1.83	1.84	1.84	1.78	1.67	1.51	1.60	1.81	1.84	1.87	1.84
CRMS 0162	1.87	1.87	1.90	1.86	1.80	1.77	1.86	1.70	1.41	1.90	1.86	1.89

V3PR7 HYST - cy 1 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.89	1.97	1.97	1.91	1.95	1.86	1.86	1.91	1.83	1.77	1.77	1.85
CRMS0276 - Just east of Wilkinson Canal	1.29	1.59	1.44	1.45	1.29	1.12	0.75	0.72	0.97	1.09	1.32	1.48
Barataria Waterway at Lafitte (USACE82875)	1.80	1.84	1.87	1.81	1.74	1.54	1.35	1.39	1.56	1.78	1.88	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	1.91	1.87	1.62	1.74	0.98	1.16	1.16	1.05	1.17	1.43	1.65
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.59	1.46	1.22	1.40	0.71	0.71	0.77	0.79	0.80	1.04	1.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.37	1.69	1.51	1.27	1.56	0.77	0.72	0.71	0.76	0.79	1.01	1.29
USGS 07380335 - Little Lake Near Cutoff	1.26	1.61	1.43	1.25	1.45	0.71	0.64	0.62	0.72	0.73	0.96	1.21
USGS073802516 Barataria Pass at Grand Isle	1.25	1.42	1.22	1.06	0.99	0.67	0.58	0.56	0.66	0.68	0.89	1.13
HWQ14 - Lake Washington	1.28	1.28	1.10	0.93	0.80	0.61	0.59	0.61	0.68	0.69	0.86	1.11
HWQ16 - Bayou Grand Liard	1.07	1.37	1.22	1.16	1.08	0.83	0.63	0.62	0.70	0.71	0.88	1.10
CRMS 3985	1.32	1.31	1.17	0.95	0.96	0.67	0.69	0.74	0.83	0.82	0.96	1.25
CRMS 0258	1.36	1.57	1.23	1.10	1.21	0.75	0.68	0.69	0.61	0.64	1.09	1.32
CRMS 0224	1.37	1.60	1.34	1.18	1.21	0.71	0.66	0.66	0.70	0.72	1.01	1.26
CRMS 0163	1.83	1.84	1.86	1.84	1.78	1.67	1.55	1.62	1.86	1.88	1.85	1.84
CRMS 0162	1.85	1.87	1.90	1.83	1.76	1.73	1.88	1.70	1.44	1.93	1.82	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.90	1.25	1.35	1.39	1.38	1.36	1.37	1.29	1.18	0.98	1.03
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	-0.02	0.05	-0.08	-0.01	0.06	0.04	0.04	0.04	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.03	0.01	0.00	0.04	0.08	0.06	0.06	0.05	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.74	0.89	1.23	1.07	1.18	0.47	0.68	0.64	0.53	0.63	0.69	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.51	0.48	0.59	0.91	0.24	0.04	0.09	0.02	0.00	0.23	0.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.60	0.66	0.63	1.04	0.30	0.21	0.21	0.18	0.18	0.22	0.48
USGS 07380335 - Little Lake Near Cutoff	0.24	0.45	0.51	0.50	0.84	0.21	0.14	0.11	0.11	0.10	0.13	0.28
USGS073802516 Barataria Pass at Grand Isle	0.22	0.31	0.36	0.38	0.40	0.16	0.10	0.08	0.08	0.08	0.12	0.29
HWQ14 - Lake Washington	0.16	0.24	0.22	0.33	0.34	0.18	0.04	0.06	0.03	0.01	0.09	0.39
HWQ16 - Bayou Grand Liard	0.05	0.11	0.11	0.18	0.15	0.06	0.04	0.03	0.03	0.04	0.02	0.03
CRMS 3985	0.05	0.22	0.01	0.29	0.53	0.13	-0.26	-0.17	-0.11	-0.15	0.21	0.30
CRMS 0258	0.37	0.38	0.43	0.28	0.35	0.09	0.12	0.14	0.08	0.05	0.05	0.14
CRMS 0224	0.38	0.50	0.59	0.48	0.57	0.17	0.18	0.19	0.12	0.13	0.17	0.33
CRMS 0163	0.00	0.02	0.03	0.00	0.00	0.00	0.05	0.02	0.05	0.03	-0.02	0.00
CRMS 0162	-0.02	0.00	0.00	-0.03	-0.04	-0.04	0.03	0.00	0.03	0.03	-0.04	0.00

Figure WQ TOTN 68 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.27	0.91	0.64	0.64	0.58	0.59	0.63	0.61	0.64	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.38	1.67	1.62	1.57	1.51	1.42	1.13	1.16	1.44	1.17	1.14	1.36
Barataria Waterway at Lafitte (USACE82875)	1.83	1.84	1.89	1.86	1.76	1.68	1.67	1.63	1.68	1.66	1.76	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.24	0.80	0.64	0.69	0.66	0.59	0.60	0.64	0.65	0.83	0.86
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.33	1.06	0.64	0.58	0.56	0.60	0.64	0.75	0.74	0.86	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.28	1.00	0.71	0.61	0.57	0.57	0.61	0.66	0.68	0.79	0.96
USGS 07380335 - Little Lake Near Cutoff	1.18	1.33	1.10	0.87	0.71	0.64	0.65	0.75	0.76	0.74	0.81	0.95
USGS073802516 Barataria Pass at Grand Isle	1.19	1.28	1.01	0.76	0.67	0.64	0.63	0.70	0.69	0.68	0.75	0.93
HWQ14 - Lake Washington	1.26	1.26	0.96	0.60	0.54	0.52	0.55	0.56	0.65	0.67	0.78	1.04
HWQ16 - Bayou Grand Liard	1.18	1.41	1.31	1.16	1.06	1.03	1.01	1.08	1.00	0.78	0.75	0.96
CRMS 3985	1.46	1.39	1.12	0.65	0.59	0.60	0.67	0.71	0.89	0.86	1.00	1.33
CRMS 0258	1.25	1.38	1.17	0.96	1.01	1.06	1.03	1.06	0.96	0.85	1.15	1.17
CRMS 0224	1.15	1.29	0.93	0.82	0.78	0.74	0.61	0.61	0.78	0.76	0.90	0.96
CRMS 0163	1.80	1.82	1.89	1.87	1.85	1.81	1.77	1.78	1.91	1.84	1.83	1.83
CRMS 0162	1.88	1.91	1.95	1.92	1.92	1.89	1.93	1.91	1.89	1.94	1.75	1.88

V3PR7 HYST - cy 1 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	2.00	2.00	2.00	2.01	2.00	1.99	1.92	1.85	1.83	1.89	1.89
CRMS0276 - Just east of Wilkinson Canal	1.59	1.70	1.69	1.60	1.51	1.47	1.49	1.39	1.49	1.22	1.19	1.37
Barataria Waterway at Lafitte (USACE82875)	1.83	1.85	1.88	1.83	1.75	1.68	1.66	1.63	1.74	1.70	1.79	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.92	1.95	1.97	1.98	2.00	1.98	1.96	1.62	1.16	1.28	1.73	1.81
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.82	1.86	1.82	1.77	1.72	1.69	1.32	0.90	0.92	1.20	1.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.80	1.87	1.91	1.88	1.87	1.87	1.84	1.49	0.97	0.95	1.16	1.40
USGS 07380335 - Little Lake Near Cutoff	1.74	1.83	1.88	1.83	1.79	1.78	1.75	1.48	0.99	0.91	1.06	1.26
USGS073802516 Barataria Pass at Grand Isle	1.59	1.67	1.64	1.46	1.32	1.23	1.24	1.16	0.89	0.85	1.01	1.21
HWQ14 - Lake Washington	1.48	1.57	1.52	1.32	1.17	1.09	1.08	0.97	0.79	0.80	0.99	1.24
HWQ16 - Bayou Grand Liard	1.43	1.67	1.63	1.54	1.42	1.36	1.26	1.21	1.07	0.84	0.82	1.03
CRMS 3985	1.59	1.66	1.69	1.54	1.43	1.38	1.33	1.17	0.85	0.83	1.04	1.37
CRMS 0258	1.73	1.75	1.85	1.76	1.63	1.63	1.68	1.47	1.26	1.02	1.44	1.47
CRMS 0224	1.74	1.78	1.87	1.80	1.70	1.68	1.69	1.36	1.03	0.98	1.25	1.39
CRMS 0163	1.81	1.82	1.89	1.87	1.84	1.80	1.74	1.80	1.96	1.86	1.85	1.83
CRMS 0162	1.87	1.90	1.93	1.89	1.89	1.84	1.91	1.90	1.92	1.96	1.74	1.87

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.73	1.09	1.36	1.36	1.41	1.41	1.30	1.25	1.19	1.08	0.95
CRMS0276 - Just east of Wilkinson Canal	0.21	0.03	0.07	0.03	0.00	0.05	0.36	0.23	0.05	0.05	0.06	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	-0.01	-0.02	-0.01	0.00	-0.02	0.00	0.06	0.04	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.71	1.17	1.34	1.31	1.32	1.37	1.02	0.52	0.63	0.90	0.95
USGS7380251 Barataria Bay North of Grand Isle	0.39	0.48	0.81	1.18	1.20	1.16	1.08	0.68	0.15	0.17	0.33	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.60	0.59	0.91	1.17	1.26	1.30	1.27	0.88	0.31	0.27	0.37	0.44
USGS 07380335 - Little Lake Near Cutoff	0.56	0.50	0.78	0.96	1.08	1.15	1.10	0.73	0.23	0.17	0.25	0.31
USGS073802516 Barataria Pass at Grand Isle	0.41	0.38	0.63	0.70	0.65	0.59	0.61	0.47	0.21	0.17	0.26	0.28
HWQ14 - Lake Washington	0.22	0.31	0.55	0.72	0.63	0.57	0.53	0.40	0.14	0.13	0.21	0.20
HWQ16 - Bayou Grand Liard	0.24	0.25	0.32	0.38	0.36	0.33	0.25	0.13	0.07	0.06	0.07	0.06
CRMS 3985	0.14	0.27	0.57	0.89	0.85	0.78	0.67	0.46	-0.03	-0.03	0.04	0.04
CRMS 0258	0.48	0.38	0.68	0.80	0.62	0.57	0.65	0.40	0.30	0.17	0.29	0.30
CRMS 0224	0.59	0.49	0.94	0.98	0.93	0.94	1.08	0.75	0.25	0.22	0.36	0.44
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.01	-0.02	0.01	0.05	0.02	0.02	0.00
CRMS 0162	0.00	-0.01	-0.02	-0.03	-0.03	-0.05	-0.02	-0.01	0.04	0.01	-0.01	-0.01

Figure WQ TOTN 69 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.22	0.91	0.63	0.62	0.58	0.59	0.63	0.59	0.63	0.75	0.89
CRMS0276 - Just east of Wilkinson Canal	1.38	1.53	1.59	1.58	1.64	1.39	1.11	1.20	1.38	1.08	1.01	1.58
Barataria Waterway at Lafitte (USACE82875)	1.86	1.89	1.82	1.85	1.82	1.71	1.65	1.60	1.67	1.60	1.80	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.19	0.80	0.64	0.69	0.67	0.60	0.60	0.60	0.61	0.77	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.31	1.10	0.65	0.56	0.55	0.60	0.64	0.75	0.78	0.75	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.23	0.99	0.73	0.63	0.58	0.57	0.61	0.66	0.67	0.71	0.84
USGS 07380335 - Little Lake Near Cutoff	1.16	1.23	1.06	0.89	0.77	0.65	0.64	0.74	0.77	0.71	0.71	0.93
USGS073802516 Barataria Pass at Grand Isle	1.15	1.21	0.99	0.79	0.73	0.66	0.63	0.69	0.69	0.67	0.69	0.85
HWQ14 - Lake Washington	1.20	1.25	1.00	0.62	0.53	0.52	0.54	0.56	0.65	0.69	0.72	0.81
HWQ16 - Bayou Grand Liard	1.16	1.23	1.24	1.19	1.24	1.09	1.02	1.05	0.97	0.73	0.69	1.10
CRMS 3985	1.44	1.34	1.23	0.69	0.56	0.58	0.66	0.71	0.88	0.93	0.75	1.14
CRMS 0258	1.22	1.22	1.17	0.97	1.00	1.04	1.05	1.06	0.92	0.82	0.96	1.21
CRMS 0224	1.14	1.20	0.91	0.84	0.83	0.76	0.64	0.63	0.77	0.71	0.78	0.94
CRMS 0163	1.88	1.90	1.78	1.85	1.81	1.91	1.75	1.80	1.91	1.80	1.88	1.79
CRMS 0162	1.87	1.86	1.88	1.91	1.90	1.97	1.95	1.91	1.88	1.85	1.80	1.87

V3PR7 HYST - cy 1 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.07	1.97	1.98	2.00	1.96	2.00	2.00	1.90	1.86	1.84	1.89	1.99
CRMS0276 - Just east of Wilkinson Canal	1.60	1.57	1.61	1.62	1.58	1.50	1.50	1.24	1.42	1.13	1.11	1.64
Barataria Waterway at Lafitte (USACE82875)	1.87	1.89	1.83	1.85	1.81	1.71	1.63	1.63	1.74	1.65	1.81	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	2.52	2.12	1.92	1.97	1.93	1.98	1.97	1.39	1.21	1.32	1.76	1.93
USGS7380251 Barataria Bay North of Grand Isle	1.70	1.59	1.75	1.82	1.78	1.78	1.68	1.01	0.91	0.93	1.21	1.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.74	1.63	1.81	1.88	1.85	1.90	1.86	1.15	0.99	0.97	1.16	1.84
USGS 07380335 - Little Lake Near Cutoff	1.64	1.55	1.76	1.83	1.80	1.83	1.77	1.15	0.99	0.89	1.03	1.78
USGS073802516 Barataria Pass at Grand Isle	1.57	1.48	1.52	1.49	1.43	1.30	1.25	1.03	0.90	0.85	0.99	1.55
HWQ14 - Lake Washington	1.47	1.44	1.43	1.37	1.29	1.16	1.08	0.87	0.79	0.82	1.00	1.41
HWQ16 - Bayou Grand Liard	1.31	1.32	1.51	1.56	1.55	1.40	1.28	1.12	1.03	0.78	0.78	1.45
CRMS 3985	1.47	1.49	1.58	1.57	1.53	1.46	1.35	1.00	0.83	0.87	1.05	1.55
CRMS 0258	2.01	1.75	1.67	1.75	1.69	1.69	1.68	1.31	1.14	0.96	1.37	1.72
CRMS 0224	1.92	1.69	1.69	1.80	1.74	1.78	1.70	1.10	1.00	0.97	1.22	1.74
CRMS 0163	1.88	1.89	1.79	1.85	1.80	1.88	1.74	1.82	1.96	1.84	1.87	1.82
CRMS 0162	1.86	1.83	1.87	1.89	1.87	1.94	1.94	1.90	1.93	1.87	1.76	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.75	1.08	1.36	1.34	1.42	1.41	1.27	1.27	1.21	1.13	1.10
CRMS0276 - Just east of Wilkinson Canal	0.22	0.04	0.03	0.04	-0.07	0.11	0.39	0.05	0.03	0.05	0.10	0.06
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	-0.01	-0.02	-0.01	-0.02	0.03	0.06	0.05	0.01	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	1.36	0.92	1.13	1.32	1.24	1.31	1.37	0.79	0.61	0.71	0.99	1.09
USGS7380251 Barataria Bay North of Grand Isle	0.37	0.28	0.65	1.17	1.23	1.23	1.09	0.37	0.16	0.15	0.46	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.57	0.40	0.81	1.15	1.23	1.32	1.29	0.54	0.33	0.30	0.45	0.99
USGS 07380335 - Little Lake Near Cutoff	0.47	0.32	0.70	0.94	1.03	1.18	1.12	0.41	0.23	0.19	0.31	0.85
USGS073802516 Barataria Pass at Grand Isle	0.42	0.28	0.53	0.70	0.70	0.64	0.62	0.34	0.21	0.18	0.30	0.70
HWQ14 - Lake Washington	0.27	0.20	0.42	0.75	0.76	0.64	0.54	0.31	0.15	0.13	0.28	0.60
HWQ16 - Bayou Grand Liard	0.15	0.10	0.27	0.37	0.31	0.32	0.26	0.06	0.06	0.05	0.09	0.35
CRMS 3985	0.03	0.14	0.35	0.88	0.97	0.88	0.69	0.29	-0.05	-0.06	0.29	0.41
CRMS 0258	0.79	0.53	0.50	0.78	0.69	0.66	0.63	0.25	0.22	0.14	0.42	0.50
CRMS 0224	0.78	0.50	0.78	0.95	0.91	1.01	1.06	0.47	0.23	0.26	0.44	0.79
CRMS 0163	0.01	-0.01	0.01	0.00	-0.01	-0.03	-0.01	0.02	0.05	0.04	-0.01	0.02
CRMS 0162	-0.02	-0.03	-0.01	-0.03	-0.03	-0.04	-0.01	-0.01	0.04	0.02	-0.04	0.01

Figure WQ TOTN 70 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.15	0.78	0.60	0.62	0.57	0.55	0.56	0.55	0.59	0.77	0.92
CRMS0276 - Just east of Wilkinson Canal	1.36	1.64	1.65	1.62	1.55	1.42	1.06	0.97	1.24	1.18	1.30	1.45
Barataria Waterway at Lafitte (USACE82875)	1.82	1.85	1.86	1.87	1.79	1.68	1.55	1.49	1.68	1.71	1.86	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.16	0.71	0.63	0.69	0.67	0.58	0.55	0.56	0.58	0.78	0.83
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.02	0.80	0.54	0.51	0.51	0.54	0.59	0.74	0.72	0.85	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.15	0.83	0.67	0.59	0.54	0.53	0.55	0.61	0.64	0.81	0.99
USGS 07380335 - Little Lake Near Cutoff	1.16	1.24	0.99	0.86	0.71	0.61	0.61	0.64	0.70	0.70	0.86	1.02
USGS073802516 Barataria Pass at Grand Isle	1.15	1.18	0.86	0.74	0.68	0.62	0.59	0.60	0.62	0.64	0.78	0.97
HWQ14 - Lake Washington	1.22	1.03	0.71	0.50	0.48	0.47	0.49	0.51	0.63	0.64	0.77	1.03
HWQ16 - Bayou Grand Liard	1.13	1.35	1.30	1.22	1.15	0.99	0.92	0.87	0.87	0.77	0.87	1.05
CRMS 3985	1.31	0.91	0.75	0.48	0.47	0.50	0.54	0.70	0.90	0.85	0.99	1.28
CRMS 0258	1.26	1.34	1.14	0.96	1.01	1.07	0.98	0.78	0.72	0.74	1.12	1.22
CRMS 0224	1.13	1.23	0.86	0.83	0.80	0.73	0.60	0.55	0.68	0.69	0.90	1.00
CRMS 0163	1.81	1.84	1.84	1.86	1.89	1.83	1.71	1.75	1.90	1.85	1.86	1.84
CRMS 0162	1.88	1.90	1.93	1.94	1.96	1.92	1.94	1.88	1.86	1.94	1.80	1.88

V3PR8 HYST - cy 1 - 1975 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	2.00	2.01	2.01	2.00	1.91	1.92	1.84	1.80	1.84	1.88
CRMS0276 - Just east of Wilkinson Canal	1.54	1.67	1.67	1.57	1.58	1.42	1.22	1.01	1.27	1.12	1.13	1.36
Barataria Waterway at Lafitte (USACE82875)	1.73	1.77	1.58	1.43	1.40	1.41	1.26	1.21	1.38	1.33	1.51	1.58
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.94	1.96	1.99	1.99	1.99	1.61	1.33	1.21	1.31	1.69	1.80
USGS7380251 Barataria Bay North of Grand Isle	1.69	1.80	1.83	1.85	1.84	1.67	1.15	0.93	0.90	0.91	1.17	1.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.75	1.86	1.90	1.91	1.93	1.88	1.30	0.92	0.94	0.94	1.14	1.38
USGS 07380335 - Little Lake Near Cutoff	1.67	1.81	1.85	1.86	1.87	1.76	1.26	0.85	0.92	0.87	1.03	1.25
USGS073802516 Barataria Pass at Grand Isle	1.52	1.65	1.63	1.51	1.41	1.17	1.00	0.78	0.83	0.82	0.99	1.19
HWQ14 - Lake Washington	1.43	1.55	1.53	1.42	1.29	1.03	0.87	0.75	0.78	0.81	0.99	1.22
HWQ16 - Bayou Grand Liard	1.34	1.60	1.64	1.60	1.53	1.29	1.04	0.90	0.92	0.79	0.85	1.05
CRMS 3985	1.54	1.62	1.67	1.60	1.54	1.29	1.04	0.90	0.87	0.89	1.05	1.33
CRMS 0258	1.67	1.76	1.78	1.78	1.77	1.61	1.34	1.12	0.92	0.87	1.27	1.39
CRMS 0224	1.67	1.78	1.80	1.83	1.83	1.65	1.24	0.92	0.92	0.91	1.16	1.35
CRMS 0163	1.81	1.85	1.82	1.84	1.87	1.78	1.68	1.75	1.93	1.83	1.84	1.82
CRMS 0162	1.86	1.89	1.91	1.92	1.93	1.85	1.91	1.88	1.89	1.94	1.79	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.84	1.22	1.42	1.39	1.43	1.36	1.36	1.29	1.20	1.07	0.96
CRMS0276 - Just east of Wilkinson Canal	0.17	0.03	0.02	-0.05	0.03	0.00	0.15	0.05	0.03	-0.06	-0.18	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.09	-0.09	-0.28	-0.44	-0.40	-0.26	-0.29	-0.29	-0.30	-0.38	-0.36	-0.29
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.78	1.25	1.36	1.30	1.32	1.03	0.78	0.65	0.73	0.91	0.97
USGS7380251 Barataria Bay North of Grand Isle	0.39	0.78	1.03	1.31	1.33	1.16	0.62	0.34	0.16	0.20	0.32	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.58	0.71	1.06	1.24	1.34	1.34	0.77	0.37	0.33	0.30	0.33	0.39
USGS 07380335 - Little Lake Near Cutoff	0.52	0.58	0.86	0.99	1.16	1.15	0.65	0.20	0.22	0.17	0.17	0.23
USGS073802516 Barataria Pass at Grand Isle	0.37	0.47	0.76	0.78	0.74	0.55	0.41	0.18	0.20	0.18	0.22	0.22
HWQ14 - Lake Washington	0.21	0.51	0.82	0.91	0.81	0.56	0.38	0.24	0.15	0.18	0.22	0.19
HWQ16 - Bayou Grand Liard	0.21	0.25	0.34	0.38	0.38	0.30	0.12	0.03	0.05	0.02	-0.02	0.00
CRMS 3985	0.23	0.72	0.92	1.12	1.07	0.79	0.50	0.19	-0.03	0.03	0.06	0.06
CRMS 0258	0.41	0.41	0.64	0.82	0.76	0.53	0.36	0.34	0.20	0.13	0.15	0.17
CRMS 0224	0.54	0.55	0.94	1.00	1.03	0.91	0.65	0.37	0.24	0.21	0.26	0.34
CRMS 0163	0.00	0.01	-0.02	-0.01	-0.03	-0.05	-0.03	0.00	0.02	-0.02	-0.02	-0.02
CRMS 0162	-0.02	-0.01	-0.02	-0.03	-0.04	-0.07	-0.03	0.00	0.03	0.00	-0.01	-0.01

Figure WQ TOTN 71 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.16	1.12	0.80	0.62	0.63	0.58	0.56	0.60	0.58	0.61	0.72	0.81
CRMS0276 - Just east of Wilkinson Canal	1.33	1.64	1.66	1.59	1.57	1.35	1.00	0.97	1.20	0.98	1.09	1.54
Barataria Waterway at Lafitte (USACE82875)	1.84	1.84	1.85	1.87	1.81	1.62	1.55	1.51	1.66	1.57	1.86	1.91
USGS2928590900040000 Barataria Waterway South of Lafitte	1.06	1.10	0.71	0.63	0.70	0.68	0.58	0.58	0.58	0.59	0.74	0.78
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.93	0.61	0.56	0.55	0.60	0.77	0.77	0.73	0.73	0.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.06	1.12	0.90	0.70	0.62	0.57	0.56	0.61	0.64	0.64	0.70	0.77
USGS 07380335 - Little Lake Near Cutoff	1.07	1.21	1.03	0.86	0.74	0.62	0.61	0.67	0.72	0.66	0.72	0.90
USGS073802516 Barataria Pass at Grand Isle	1.04	1.15	0.92	0.75	0.71	0.63	0.59	0.63	0.66	0.63	0.68	0.79
HWQ14 - Lake Washington	1.09	1.04	0.82	0.56	0.53	0.52	0.54	0.65	0.66	0.65	0.70	0.66
HWQ16 - Bayou Grand Liard	1.09	1.34	1.34	1.20	1.19	0.94	0.85	0.89	0.87	0.66	0.72	1.04
CRMS 3985	1.24	1.07	1.00	0.60	0.56	0.59	0.68	1.00	0.91	0.85	0.68	0.88
CRMS 0258	1.20	1.30	1.12	0.96	1.01	1.05	0.88	0.74	0.70	0.70	0.94	1.19
CRMS 0224	1.04	1.18	0.88	0.83	0.82	0.75	0.59	0.58	0.69	0.67	0.77	0.92
CRMS 0163	1.84	1.81	1.84	1.87	1.89	1.82	1.74	1.75	1.91	1.80	1.90	1.83
CRMS 0162	1.89	1.89	1.93	1.95	1.97	1.92	1.93	1.85	1.75	1.75	1.83	1.87

V3PR8 HYST - cy 1 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.99	2.00	2.01	2.02	2.02	1.88	1.91	1.86	1.83	1.88	1.95
CRMS0276 - Just east of Wilkinson Canal	1.48	1.64	1.67	1.55	1.59	1.28	1.01	1.00	1.22	0.92	0.97	1.42
Barataria Waterway at Lafitte (USACE82875)	1.75	1.74	1.58	1.38	1.43	1.44	1.30	1.24	1.37	1.21	1.48	1.79
USGS2928590900040000 Barataria Waterway South of Lafitte	1.99	1.94	1.97	1.98	2.00	1.87	1.58	1.37	1.23	1.34	1.73	1.86
USGS7380251 Barataria Bay North of Grand Isle	1.47	1.78	1.84	1.85	1.85	1.11	0.87	0.92	0.88	0.89	1.05	1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.62	1.86	1.90	1.92	1.94	1.32	0.96	0.92	0.94	0.92	1.05	1.51
USGS 07380335 - Little Lake Near Cutoff	1.55	1.80	1.86	1.86	1.88	1.24	0.86	0.85	0.90	0.81	0.92	1.39
USGS073802516 Barataria Pass at Grand Isle	1.33	1.57	1.63	1.49	1.44	1.02	0.76	0.77	0.81	0.77	0.90	1.11
HWQ14 - Lake Washington	1.08	1.44	1.53	1.37	1.32	0.88	0.72	0.73	0.76	0.79	0.89	0.85
HWQ16 - Bayou Grand Liard	1.25	1.57	1.66	1.59	1.56	1.13	0.89	0.93	0.89	0.68	0.74	1.12
CRMS 3985	1.12	1.57	1.68	1.59	1.57	0.95	0.83	0.85	0.84	0.86	0.73	0.76
CRMS 0258	1.70	1.73	1.78	1.80	1.78	1.23	1.07	0.97	0.81	0.81	1.10	1.45
CRMS 0224	1.68	1.76	1.81	1.85	1.85	1.22	0.95	0.87	0.89	0.87	1.08	1.45
CRMS 0163	1.84	1.83	1.83	1.85	1.89	1.78	1.72	1.76	1.93	1.80	1.88	1.86
CRMS 0162	1.87	1.89	1.91	1.92	1.95	1.86	1.92	1.87	1.77	1.78	1.82	1.90

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.80	0.87	1.20	1.38	1.39	1.43	1.32	1.31	1.28	1.22	1.16	1.15
CRMS0276 - Just east of Wilkinson Canal	0.15	0.00	0.01	-0.04	0.02	-0.07	0.01	0.03	0.01	-0.06	-0.12	-0.12
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.10	-0.27	-0.49	-0.38	-0.18	-0.26	-0.27	-0.30	-0.36	-0.38	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	0.93	0.84	1.25	1.35	1.30	1.19	0.99	0.79	0.65	0.75	0.99	1.08
USGS7380251 Barataria Bay North of Grand Isle	0.26	0.70	0.91	1.25	1.30	0.56	0.27	0.15	0.11	0.17	0.32	0.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.56	0.73	1.00	1.22	1.32	0.74	0.40	0.31	0.29	0.28	0.35	0.74
USGS 07380335 - Little Lake Near Cutoff	0.49	0.59	0.82	1.00	1.14	0.62	0.25	0.18	0.18	0.15	0.21	0.49
USGS073802516 Barataria Pass at Grand Isle	0.29	0.43	0.71	0.73	0.73	0.38	0.17	0.14	0.15	0.15	0.22	0.32
HWQ14 - Lake Washington	-0.01	0.41	0.71	0.81	0.79	0.36	0.17	0.09	0.10	0.14	0.19	0.19
HWQ16 - Bayou Grand Liard	0.16	0.23	0.32	0.39	0.37	0.19	0.04	0.05	0.03	0.02	0.02	0.08
CRMS 3985	-0.12	0.50	0.67	0.99	1.01	0.37	0.15	-0.16	-0.07	0.02	0.05	-0.12
CRMS 0258	0.50	0.43	0.66	0.84	0.76	0.18	0.19	0.23	0.11	0.10	0.15	0.26
CRMS 0224	0.64	0.58	0.92	1.02	1.02	0.47	0.36	0.30	0.19	0.20	0.30	0.53
CRMS 0163	0.00	0.01	-0.01	-0.02	-0.01	-0.04	-0.02	0.02	0.02	0.00	-0.01	0.03
CRMS 0162	-0.02	0.00	-0.02	-0.02	-0.02	-0.06	-0.01	0.02	0.02	0.04	-0.01	0.02

Figure WQ TOTN 72 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.07	0.72	0.56	0.56	0.47	0.49	0.54	0.54	0.59	0.79	0.82
CRMS0276 - Just east of Wilkinson Canal	1.20	1.57	1.45	1.40	1.36	1.13	0.69	0.67	0.94	1.04	1.32	1.49
Barataria Waterway at Lafitte (USACE82875)	1.79	1.83	1.84	1.80	1.73	1.50	1.27	1.33	1.50	1.72	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.03	0.64	0.55	0.57	0.51	0.48	0.52	0.52	0.55	0.75	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.98	0.63	0.49	0.48	0.67	0.67	0.77	0.80	0.82	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.05	1.09	0.85	0.64	0.53	0.47	0.50	0.50	0.58	0.61	0.79	0.82
USGS 07380335 - Little Lake Near Cutoff	1.02	1.15	0.92	0.75	0.61	0.51	0.50	0.50	0.61	0.63	0.84	0.94
USGS073802516 Barataria Pass at Grand Isle	1.03	1.11	0.86	0.68	0.59	0.51	0.48	0.48	0.57	0.60	0.77	0.84
HWQ14 - Lake Washington	1.12	1.04	0.88	0.60	0.46	0.44	0.56	0.55	0.64	0.67	0.77	0.72
HWQ16 - Bayou Grand Liard	1.02	1.26	1.12	0.98	0.93	0.77	0.59	0.59	0.67	0.67	0.86	1.06
CRMS 3985	1.27	1.09	1.16	0.66	0.43	0.54	0.95	0.91	0.94	0.98	0.75	0.95
CRMS 0258	0.99	1.18	0.80	0.82	0.86	0.66	0.56	0.54	0.54	0.59	1.04	1.18
CRMS 0224	0.99	1.10	0.75	0.70	0.63	0.54	0.47	0.48	0.58	0.60	0.84	0.93
CRMS 0163	1.82	1.83	1.84	1.84	1.78	1.67	1.51	1.60	1.81	1.84	1.87	1.84
CRMS 0162	1.87	1.87	1.90	1.86	1.80	1.77	1.86	1.70	1.41	1.90	1.86	1.89

V3PR8 HYST - cy 1 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.89	1.97	1.97	1.90	1.95	1.86	1.86	1.92	1.85	1.77	1.77	1.85
CRMS0276 - Just east of Wilkinson Canal	1.24	1.54	1.38	1.34	1.20	1.03	0.70	0.65	0.89	0.90	0.97	1.32
Barataria Waterway at Lafitte (USACE82875)	1.63	1.69	1.53	1.37	1.28	1.30	1.08	1.00	1.15	1.25	1.50	1.64
USGS2928590900040000 Barataria Waterway South of Lafitte	1.73	1.91	1.87	1.61	1.74	0.96	1.14	1.14	1.04	1.17	1.43	1.65
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.60	1.45	1.20	1.39	0.71	0.71	0.77	0.78	0.82	1.05	1.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.39	1.70	1.52	1.27	1.58	0.79	0.74	0.72	0.75	0.79	0.96	1.28
USGS 07380335 - Little Lake Near Cutoff	1.25	1.61	1.44	1.24	1.46	0.71	0.63	0.58	0.69	0.69	0.84	1.14
USGS073802516 Barataria Pass at Grand Isle	1.26	1.43	1.22	1.06	0.97	0.66	0.57	0.54	0.63	0.66	0.82	1.09
HWQ14 - Lake Washington	1.32	1.29	1.11	0.94	0.81	0.61	0.59	0.61	0.68	0.72	0.87	1.13
HWQ16 - Bayou Grand Liard	1.03	1.36	1.22	1.13	1.05	0.79	0.58	0.56	0.64	0.60	0.70	0.95
CRMS 3985	1.36	1.31	1.16	0.94	0.97	0.67	0.69	0.74	0.82	0.88	0.99	1.31
CRMS 0258	1.33	1.55	1.22	1.09	1.22	0.75	0.68	0.68	0.61	0.61	1.01	1.25
CRMS 0224	1.35	1.60	1.33	1.18	1.20	0.71	0.65	0.66	0.67	0.70	0.92	1.20
CRMS 0163	1.81	1.83	1.82	1.78	1.68	1.63	1.55	1.63	1.86	1.83	1.83	1.82
CRMS 0162	1.85	1.87	1.89	1.83	1.77	1.76	1.88	1.67	1.46	1.91	1.84	1.89

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.90	1.25	1.35	1.39	1.39	1.37	1.37	1.31	1.18	0.99	1.03
CRMS0276 - Just east of Wilkinson Canal	0.03	-0.04	-0.07	-0.05	-0.16	-0.10	0.01	-0.03	-0.05	-0.14	-0.34	-0.17
Barataria Waterway at Lafitte (USACE82875)	-0.16	-0.14	-0.31	-0.42	-0.46	-0.21	-0.18	-0.33	-0.35	-0.47	-0.38	-0.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.88	1.23	1.07	1.17	0.45	0.65	0.62	0.53	0.63	0.68	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.52	0.47	0.57	0.90	0.23	0.04	0.10	0.01	0.02	0.24	0.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.61	0.67	0.63	1.05	0.32	0.24	0.21	0.17	0.18	0.17	0.46
USGS 07380335 - Little Lake Near Cutoff	0.23	0.45	0.52	0.49	0.85	0.20	0.13	0.08	0.08	0.06	0.00	0.20
USGS073802516 Barataria Pass at Grand Isle	0.23	0.32	0.36	0.38	0.38	0.14	0.08	0.06	0.06	0.06	0.05	0.25
HWQ14 - Lake Washington	0.21	0.25	0.23	0.33	0.35	0.17	0.04	0.06	0.03	0.04	0.10	0.41
HWQ16 - Bayou Grand Liard	0.01	0.11	0.10	0.15	0.12	0.02	-0.01	-0.03	-0.04	-0.07	-0.16	-0.11
CRMS 3985	0.09	0.23	0.00	0.28	0.54	0.13	-0.27	-0.16	-0.12	-0.10	0.24	0.36
CRMS 0258	0.34	0.37	0.42	0.27	0.36	0.09	0.12	0.14	0.07	0.03	-0.03	0.07
CRMS 0224	0.37	0.50	0.58	0.47	0.57	0.16	0.18	0.18	0.09	0.10	0.08	0.27
CRMS 0163	-0.01	0.01	-0.02	-0.06	-0.10	-0.03	0.04	0.02	0.05	-0.01	-0.05	-0.02
CRMS 0162	-0.02	0.00	0.00	-0.03	-0.03	-0.01	0.03	-0.02	0.05	0.01	-0.02	0.00

Figure WQ TOTN 73 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.27	0.91	0.64	0.64	0.58	0.59	0.63	0.61	0.64	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.38	1.67	1.62	1.57	1.51	1.42	1.13	1.16	1.44	1.17	1.14	1.36
Barataria Waterway at Lafitte (USACE82875)	1.83	1.84	1.89	1.86	1.76	1.68	1.67	1.63	1.68	1.66	1.76	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.24	0.80	0.64	0.69	0.66	0.59	0.60	0.64	0.65	0.83	0.86
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.33	1.06	0.64	0.58	0.56	0.60	0.64	0.75	0.74	0.86	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.28	1.00	0.71	0.61	0.57	0.57	0.61	0.66	0.68	0.79	0.96
USGS 07380335 - Little Lake Near Cutoff	1.18	1.33	1.10	0.87	0.71	0.64	0.65	0.75	0.76	0.74	0.81	0.95
USGS073802516 Barataria Pass at Grand Isle	1.19	1.28	1.01	0.76	0.67	0.64	0.63	0.70	0.69	0.68	0.75	0.93
HWQ14 - Lake Washington	1.26	1.26	0.96	0.60	0.54	0.52	0.55	0.56	0.65	0.67	0.78	1.04
HWQ16 - Bayou Grand Liard	1.18	1.41	1.31	1.16	1.06	1.03	1.01	1.08	1.00	0.78	0.75	0.96
CRMS 3985	1.46	1.39	1.12	0.65	0.59	0.60	0.67	0.71	0.89	0.86	1.00	1.33
CRMS 0258	1.25	1.38	1.17	0.96	1.01	1.06	1.03	1.06	0.96	0.85	1.15	1.17
CRMS 0224	1.15	1.29	0.93	0.82	0.78	0.74	0.61	0.61	0.78	0.76	0.90	0.96
CRMS 0163	1.80	1.82	1.89	1.87	1.85	1.81	1.77	1.78	1.91	1.84	1.83	1.83
CRMS 0162	1.88	1.91	1.95	1.92	1.92	1.89	1.93	1.91	1.89	1.94	1.75	1.88

V3PR8 HYST - cy 1 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.92	1.85	1.81	1.93	1.92
CRMS0276 - Just east of Wilkinson Canal	1.53	1.69	1.68	1.53	1.49	1.46	1.50	1.40	1.39	1.16	1.03	1.18
Barataria Waterway at Lafitte (USACE82875)	1.74	1.77	1.51	1.37	1.40	1.40	1.26	1.24	1.46	1.35	1.43	1.60
USGS2928590900040000 Barataria Waterway South of Lafitte	1.92	1.95	1.97	1.98	2.00	1.98	1.96	1.62	1.17	1.29	1.75	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.81	1.86	1.82	1.77	1.72	1.69	1.33	0.90	0.92	1.14	0.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.78	1.87	1.92	1.89	1.88	1.89	1.86	1.50	0.97	0.96	1.14	1.24
USGS 07380335 - Little Lake Near Cutoff	1.68	1.82	1.88	1.83	1.79	1.79	1.75	1.48	0.98	0.90	1.02	1.14
USGS073802516 Barataria Pass at Grand Isle	1.36	1.61	1.62	1.44	1.33	1.23	1.23	1.15	0.89	0.85	0.98	1.05
HWQ14 - Lake Washington	1.07	1.49	1.50	1.32	1.20	1.11	1.10	0.97	0.80	0.81	0.96	0.86
HWQ16 - Bayou Grand Liard	1.29	1.63	1.62	1.53	1.41	1.34	1.25	1.21	1.05	0.82	0.77	0.96
CRMS 3985	1.19	1.62	1.67	1.53	1.43	1.38	1.33	1.18	0.85	0.87	0.82	0.52
CRMS 0258	1.72	1.75	1.85	1.77	1.65	1.65	1.70	1.49	1.27	1.00	1.39	1.43
CRMS 0224	1.73	1.79	1.87	1.81	1.72	1.70	1.70	1.38	1.02	0.97	1.22	1.32
CRMS 0163	1.82	1.82	1.87	1.83	1.81	1.77	1.71	1.78	1.93	1.82	1.86	1.86
CRMS 0162	1.88	1.90	1.93	1.89	1.89	1.84	1.91	1.90	1.92	1.95	1.76	1.91

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.73	1.09	1.36	1.36	1.41	1.41	1.30	1.24	1.17	1.13	0.98
CRMS0276 - Just east of Wilkinson Canal	0.15	0.02	0.05	-0.04	-0.02	0.03	0.36	0.25	-0.04	-0.01	-0.11	-0.18
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.08	-0.38	-0.48	-0.36	-0.28	-0.42	-0.39	-0.22	-0.31	-0.33	-0.22
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.71	1.17	1.34	1.31	1.32	1.37	1.02	0.53	0.64	0.92	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.28	0.48	0.80	1.18	1.19	1.16	1.08	0.69	0.15	0.18	0.27	-0.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.57	0.59	0.92	1.18	1.27	1.31	1.29	0.89	0.30	0.28	0.35	0.28
USGS 07380335 - Little Lake Near Cutoff	0.50	0.49	0.78	0.97	1.08	1.15	1.10	0.73	0.22	0.16	0.21	0.19
USGS073802516 Barataria Pass at Grand Isle	0.17	0.33	0.61	0.68	0.66	0.59	0.60	0.46	0.20	0.17	0.23	0.12
HWQ14 - Lake Washington	-0.19	0.22	0.54	0.72	0.66	0.58	0.55	0.40	0.15	0.15	0.18	-0.18
HWQ16 - Bayou Grand Liard	0.11	0.21	0.31	0.37	0.34	0.32	0.24	0.14	0.05	0.04	0.02	0.00
CRMS 3985	-0.27	0.22	0.55	0.88	0.84	0.78	0.67	0.47	-0.03	0.01	-0.18	-0.81
CRMS 0258	0.47	0.38	0.68	0.81	0.64	0.60	0.67	0.43	0.31	0.15	0.24	0.26
CRMS 0224	0.58	0.49	0.94	0.98	0.95	0.96	1.09	0.77	0.25	0.20	0.32	0.37
CRMS 0163	0.02	0.01	-0.02	-0.04	-0.04	-0.04	-0.06	0.00	0.02	-0.01	0.03	0.04
CRMS 0162	0.00	-0.01	-0.02	-0.03	-0.04	-0.05	-0.02	-0.02	0.04	0.01	0.02	0.04

Figure WQ TOTN 74 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.22	0.91	0.63	0.62	0.58	0.59	0.63	0.59	0.63	0.75	0.89
CRMS0276 - Just east of Wilkinson Canal	1.38	1.53	1.59	1.58	1.64	1.39	1.11	1.20	1.38	1.08	1.01	1.58
Barataria Waterway at Lafitte (USACE82875)	1.86	1.89	1.82	1.85	1.82	1.71	1.65	1.60	1.67	1.60	1.80	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.19	0.80	0.64	0.69	0.67	0.60	0.60	0.60	0.61	0.77	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.31	1.10	0.65	0.56	0.55	0.60	0.64	0.75	0.78	0.75	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.23	0.99	0.73	0.63	0.58	0.57	0.61	0.66	0.67	0.71	0.84
USGS 07380335 - Little Lake Near Cutoff	1.16	1.23	1.06	0.89	0.77	0.65	0.64	0.74	0.77	0.71	0.71	0.93
USGS073802516 Barataria Pass at Grand Isle	1.15	1.21	0.99	0.79	0.73	0.66	0.63	0.69	0.69	0.67	0.69	0.85
HWQ14 - Lake Washington	1.20	1.25	1.00	0.62	0.53	0.52	0.54	0.56	0.65	0.69	0.72	0.81
HWQ16 - Bayou Grand Liard	1.16	1.23	1.24	1.19	1.24	1.09	1.02	1.05	0.97	0.73	0.69	1.10
CRMS 3985	1.44	1.34	1.23	0.69	0.56	0.58	0.66	0.71	0.88	0.93	0.75	1.14
CRMS 0258	1.22	1.22	1.17	0.97	1.00	1.04	1.05	1.06	0.92	0.82	0.96	1.21
CRMS 0224	1.14	1.20	0.91	0.84	0.83	0.76	0.64	0.63	0.77	0.71	0.78	0.94
CRMS 0163	1.88	1.90	1.78	1.85	1.81	1.91	1.75	1.80	1.91	1.80	1.88	1.79
CRMS 0162	1.87	1.86	1.88	1.91	1.90	1.97	1.95	1.91	1.88	1.85	1.80	1.87

V3PR8 HYST - cy 1 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	1.97	1.98	2.00	1.96	2.01	2.00	1.90	1.86	1.84	1.91	1.99
CRMS0276 - Just east of Wilkinson Canal	1.59	1.52	1.53	1.56	1.56	1.49	1.51	1.24	1.35	1.06	0.98	1.57
Barataria Waterway at Lafitte (USACE82875)	1.80	1.76	1.59	1.43	1.45	1.37	1.24	1.26	1.44	1.29	1.40	1.74
USGS2928590900040000 Barataria Waterway South of Lafitte	2.52	2.12	1.92	1.97	1.93	1.99	1.97	1.40	1.22	1.34	1.78	1.93
USGS7380251 Barataria Bay North of Grand Isle	1.63	1.53	1.74	1.82	1.78	1.78	1.68	1.01	0.91	0.92	1.14	1.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.72	1.61	1.81	1.89	1.86	1.92	1.87	1.16	1.00	0.98	1.13	1.84
USGS 07380335 - Little Lake Near Cutoff	1.61	1.53	1.75	1.83	1.80	1.84	1.77	1.15	1.00	0.89	0.98	1.76
USGS073802516 Barataria Pass at Grand Isle	1.52	1.45	1.49	1.48	1.43	1.30	1.24	1.03	0.90	0.85	0.96	1.45
HWQ14 - Lake Washington	1.39	1.39	1.40	1.39	1.32	1.18	1.09	0.87	0.80	0.82	0.94	1.22
HWQ16 - Bayou Grand Liard	1.31	1.30	1.49	1.55	1.54	1.40	1.28	1.11	1.02	0.77	0.74	1.39
CRMS 3985	1.39	1.39	1.56	1.57	1.53	1.46	1.35	1.00	0.82	0.85	0.80	1.40
CRMS 0258	2.02	1.76	1.67	1.76	1.70	1.71	1.70	1.35	1.15	0.94	1.33	1.71
CRMS 0224	1.91	1.68	1.69	1.80	1.75	1.80	1.72	1.12	1.01	0.96	1.19	1.73
CRMS 0163	1.89	1.89	1.77	1.82	1.79	1.88	1.71	1.80	1.94	1.81	1.88	1.82
CRMS 0162	1.86	1.84	1.87	1.88	1.87	1.93	1.93	1.90	1.93	1.88	1.78	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.75	1.08	1.36	1.34	1.42	1.41	1.27	1.27	1.21	1.16	1.10
CRMS0276 - Just east of Wilkinson Canal	0.21	-0.01	-0.05	-0.02	-0.08	0.09	0.40	0.04	-0.03	-0.01	-0.03	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.06	-0.13	-0.24	-0.42	-0.38	-0.34	-0.41	-0.34	-0.23	-0.31	-0.40	-0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	1.36	0.93	1.13	1.32	1.24	1.31	1.37	0.80	0.62	0.72	1.01	1.09
USGS7380251 Barataria Bay North of Grand Isle	0.30	0.22	0.64	1.17	1.23	1.23	1.08	0.37	0.16	0.14	0.39	0.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.55	0.38	0.81	1.16	1.23	1.34	1.30	0.55	0.34	0.31	0.42	0.99
USGS 07380335 - Little Lake Near Cutoff	0.45	0.29	0.69	0.94	1.04	1.19	1.12	0.41	0.23	0.18	0.27	0.83
USGS073802516 Barataria Pass at Grand Isle	0.38	0.24	0.50	0.69	0.70	0.64	0.61	0.34	0.21	0.18	0.27	0.60
HWQ14 - Lake Washington	0.18	0.14	0.40	0.77	0.79	0.66	0.55	0.31	0.15	0.13	0.23	0.41
HWQ16 - Bayou Grand Liard	0.15	0.07	0.25	0.37	0.30	0.31	0.25	0.05	0.05	0.04	0.05	0.29
CRMS 3985	-0.04	0.04	0.32	0.88	0.97	0.87	0.69	0.29	-0.05	-0.08	0.05	0.26
CRMS 0258	0.79	0.54	0.50	0.79	0.70	0.68	0.66	0.29	0.23	0.12	0.37	0.50
CRMS 0224	0.77	0.48	0.78	0.96	0.93	1.03	1.08	0.49	0.24	0.25	0.40	0.79
CRMS 0163	0.01	0.00	-0.01	-0.03	-0.02	-0.03	-0.04	0.00	0.03	0.01	0.00	0.02
CRMS 0162	-0.01	-0.02	-0.01	-0.03	-0.03	-0.04	-0.02	-0.01	0.05	0.03	-0.02	0.01

Figure WQ TOTN 75 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.15	0.78	0.60	0.62	0.57	0.55	0.56	0.55	0.59	0.77	0.92
CRMS0276 - Just east of Wilkinson Canal	1.36	1.64	1.65	1.62	1.55	1.42	1.06	0.97	1.24	1.18	1.30	1.45
Barataria Waterway at Lafitte (USACE82875)	1.82	1.85	1.86	1.87	1.79	1.68	1.55	1.49	1.68	1.71	1.86	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.16	0.71	0.63	0.69	0.67	0.58	0.55	0.56	0.58	0.78	0.83
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.02	0.80	0.54	0.51	0.51	0.54	0.59	0.74	0.72	0.85	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.15	0.83	0.67	0.59	0.54	0.53	0.55	0.61	0.64	0.81	0.99
USGS 07380335 - Little Lake Near Cutoff	1.16	1.24	0.99	0.86	0.71	0.61	0.61	0.64	0.70	0.70	0.86	1.02
USGS073802516 Barataria Pass at Grand Isle	1.15	1.18	0.86	0.74	0.68	0.62	0.59	0.60	0.62	0.64	0.78	0.97
HWQ14 - Lake Washington	1.22	1.03	0.71	0.50	0.48	0.47	0.49	0.51	0.63	0.64	0.77	1.03
HWQ16 - Bayou Grand Liard	1.13	1.35	1.30	1.22	1.15	0.99	0.92	0.87	0.87	0.77	0.87	1.05
CRMS 3985	1.31	0.91	0.75	0.48	0.47	0.50	0.54	0.70	0.90	0.85	0.99	1.28
CRMS 0258	1.26	1.34	1.14	0.96	1.01	1.07	0.98	0.78	0.72	0.74	1.12	1.22
CRMS 0224	1.13	1.23	0.86	0.83	0.80	0.73	0.60	0.55	0.68	0.69	0.90	1.00
CRMS 0163	1.81	1.84	1.84	1.86	1.89	1.83	1.71	1.75	1.90	1.85	1.86	1.84
CRMS 0162	1.88	1.90	1.93	1.94	1.96	1.92	1.94	1.88	1.86	1.94	1.80	1.88

V3PR9 HYST - cy 1 - 1975 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.21	0.83	0.59	0.60	0.56	0.55	0.58	0.58	0.62	0.78	0.91
CRMS0276 - Just east of Wilkinson Canal	1.30	1.59	1.59	1.51	1.46	1.33	1.02	0.95	1.22	1.10	1.10	1.29
Barataria Waterway at Lafitte (USACE82875)	1.71	1.74	1.62	1.45	1.42	1.45	1.29	1.21	1.35	1.31	1.48	1.56
USGS2928590900040000 Barataria Waterway South of Lafitte	1.15	1.17	0.74	0.60	0.66	0.64	0.56	0.55	0.56	0.58	0.76	0.80
USGS7380251 Barataria Bay North of Grand Isle	1.32	1.25	0.84	0.54	0.52	0.53	0.57	0.67	0.78	0.80	0.88	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.21	0.90	0.66	0.58	0.54	0.54	0.56	0.63	0.65	0.77	0.92
USGS 07380335 - Little Lake Near Cutoff	1.12	1.25	1.04	0.83	0.69	0.60	0.61	0.65	0.72	0.69	0.79	0.92
USGS073802516 Barataria Pass at Grand Isle	1.13	1.21	0.94	0.73	0.68	0.62	0.59	0.60	0.66	0.65	0.75	0.91
HWQ14 - Lake Washington	1.23	1.19	0.79	0.51	0.49	0.49	0.52	0.57	0.68	0.71	0.80	1.03
HWQ16 - Bayou Grand Liard	1.11	1.33	1.31	1.21	1.14	0.99	0.91	0.85	0.86	0.75	0.80	0.96
CRMS 3985	1.37	1.25	0.70	0.49	0.51	0.55	0.63	0.82	0.94	0.96	1.04	1.21
CRMS 0258	1.22	1.34	1.14	0.91	0.96	1.04	0.96	0.76	0.70	0.72	1.00	1.04
CRMS 0224	1.09	1.22	0.89	0.79	0.76	0.69	0.58	0.55	0.69	0.67	0.82	0.89
CRMS 0163	1.80	1.83	1.82	1.84	1.87	1.79	1.67	1.72	1.87	1.80	1.82	1.82
CRMS 0162	1.86	1.89	1.92	1.94	1.96	1.90	1.93	1.87	1.86	1.92	1.78	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.07	0.05	-0.01	-0.01	-0.01	0.00	0.02	0.02	0.02	0.00	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.05	-0.06	-0.11	-0.09	-0.09	-0.05	-0.02	-0.02	-0.08	-0.20	-0.16
Barataria Waterway at Lafitte (USACE82875)	-0.11	-0.11	-0.24	-0.42	-0.37	-0.23	-0.26	-0.29	-0.33	-0.40	-0.38	-0.31
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.01	0.03	-0.02	-0.03	-0.03	-0.01	0.00	0.00	0.00	-0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.24	0.04	0.00	0.01	0.02	0.04	0.07	0.05	0.08	0.03	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	0.06	0.07	-0.02	-0.01	0.00	0.01	0.01	0.02	0.01	-0.04	-0.07
USGS 07380335 - Little Lake Near Cutoff	-0.04	0.01	0.05	-0.03	-0.03	-0.01	0.00	0.01	0.02	0.00	-0.07	-0.10
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.03	0.08	0.00	0.00	0.00	0.00	0.01	0.03	0.01	-0.03	-0.06
HWQ14 - Lake Washington	0.01	0.16	0.08	0.00	0.01	0.02	0.03	0.05	0.06	0.07	0.03	0.00
HWQ16 - Bayou Grand Liard	-0.02	-0.02	0.01	-0.01	-0.01	0.01	0.00	-0.01	0.00	-0.02	-0.07	-0.09
CRMS 3985	0.06	0.34	-0.05	0.01	0.04	0.05	0.10	0.11	0.05	0.11	0.05	-0.06
CRMS 0258	-0.04	-0.01	0.00	-0.05	-0.05	-0.04	-0.02	-0.02	-0.02	-0.02	-0.12	-0.18
CRMS 0224	-0.04	-0.01	0.03	-0.04	-0.05	-0.04	-0.02	0.00	0.00	-0.02	-0.08	-0.11
CRMS 0163	-0.01	-0.01	-0.01	-0.01	-0.02	-0.04	-0.04	-0.04	-0.03	-0.05	-0.04	-0.02
CRMS 0162	-0.02	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.02	-0.02	0.00

Figure WQ TOTN 76 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.16	1.12	0.80	0.62	0.63	0.58	0.56	0.60	0.58	0.61	0.72	0.81
CRMS0276 - Just east of Wilkinson Canal	1.33	1.64	1.66	1.59	1.57	1.35	1.00	0.97	1.20	0.98	1.09	1.54
Barataria Waterway at Lafitte (USACE82875)	1.84	1.84	1.85	1.87	1.81	1.62	1.55	1.51	1.66	1.57	1.86	1.91
USGS2928590900040000 Barataria Waterway South of Lafitte	1.06	1.10	0.71	0.63	0.70	0.68	0.58	0.58	0.58	0.59	0.74	0.78
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.93	0.61	0.56	0.55	0.60	0.77	0.77	0.73	0.73	0.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.06	1.12	0.90	0.70	0.62	0.57	0.56	0.61	0.64	0.64	0.70	0.77
USGS 07380335 - Little Lake Near Cutoff	1.07	1.21	1.03	0.86	0.74	0.62	0.61	0.67	0.72	0.66	0.72	0.90
USGS073802516 Barataria Pass at Grand Isle	1.04	1.15	0.92	0.75	0.71	0.63	0.59	0.63	0.66	0.63	0.68	0.79
HWQ14 - Lake Washington	1.09	1.04	0.82	0.56	0.53	0.52	0.54	0.65	0.66	0.65	0.70	0.66
HWQ16 - Bayou Grand Liard	1.09	1.34	1.34	1.20	1.19	0.94	0.85	0.89	0.87	0.66	0.72	1.04
CRMS 3985	1.24	1.07	1.00	0.60	0.56	0.59	0.68	1.00	0.91	0.85	0.68	0.88
CRMS 0258	1.20	1.30	1.12	0.96	1.01	1.05	0.88	0.74	0.70	0.70	0.94	1.19
CRMS 0224	1.04	1.18	0.88	0.83	0.82	0.75	0.59	0.58	0.69	0.67	0.77	0.92
CRMS 0163	1.84	1.81	1.84	1.87	1.89	1.82	1.74	1.75	1.91	1.80	1.90	1.83
CRMS 0162	1.89	1.89	1.93	1.95	1.97	1.92	1.93	1.85	1.75	1.75	1.83	1.87

V3PR9 HYST - cy 1 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.20	0.86	0.62	0.62	0.57	0.56	0.61	0.59	0.61	0.74	0.95
CRMS0276 - Just east of Wilkinson Canal	1.33	1.59	1.60	1.47	1.48	1.27	0.97	0.94	1.19	0.87	0.93	1.39
Barataria Waterway at Lafitte (USACE82875)	1.72	1.72	1.61	1.40	1.45	1.44	1.29	1.22	1.33	1.17	1.43	1.74
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.14	0.75	0.62	0.67	0.65	0.57	0.58	0.57	0.58	0.72	0.81
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.27	1.04	0.63	0.56	0.56	0.60	0.79	0.80	0.77	0.88	1.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.20	0.97	0.69	0.61	0.57	0.55	0.60	0.64	0.63	0.69	0.94
USGS 07380335 - Little Lake Near Cutoff	1.14	1.24	1.08	0.84	0.72	0.61	0.61	0.67	0.72	0.64	0.67	0.94
USGS073802516 Barataria Pass at Grand Isle	1.14	1.21	1.00	0.76	0.71	0.63	0.59	0.63	0.67	0.62	0.67	0.93
HWQ14 - Lake Washington	1.21	1.20	0.95	0.59	0.54	0.53	0.55	0.67	0.69	0.69	0.79	1.05
HWQ16 - Bayou Grand Liard	1.12	1.34	1.35	1.18	1.18	0.93	0.85	0.88	0.86	0.62	0.68	1.02
CRMS 3985	1.36	1.32	1.13	0.64	0.57	0.59	0.69	1.02	0.96	0.93	1.04	1.20
CRMS 0258	1.21	1.31	1.12	0.91	0.96	1.02	0.85	0.72	0.68	0.69	0.82	1.06
CRMS 0224	1.10	1.20	0.90	0.78	0.78	0.71	0.57	0.57	0.68	0.64	0.71	0.88
CRMS 0163	1.82	1.80	1.82	1.85	1.89	1.77	1.70	1.71	1.87	1.76	1.83	1.83
CRMS 0162	1.87	1.88	1.93	1.95	1.97	1.91	1.92	1.84	1.77	1.76	1.77	1.87

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.08	0.06	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00	0.02	0.14
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.05	-0.06	-0.12	-0.09	-0.08	-0.03	-0.03	-0.02	-0.11	-0.16	-0.15
Barataria Waterway at Lafitte (USACE82875)	-0.11	-0.12	-0.25	-0.46	-0.36	-0.18	-0.26	-0.29	-0.34	-0.40	-0.43	-0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.07	0.04	0.04	-0.02	-0.03	-0.03	-0.02	0.00	-0.01	-0.01	-0.02	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.19	0.11	0.02	0.01	0.01	0.01	0.03	0.03	0.05	0.15	0.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.07	0.07	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.16
USGS 07380335 - Little Lake Near Cutoff	0.07	0.04	0.05	-0.02	-0.03	-0.01	0.00	0.00	0.00	-0.03	-0.05	0.04
USGS073802516 Barataria Pass at Grand Isle	0.10	0.06	0.08	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.14
HWQ14 - Lake Washington	0.13	0.16	0.13	0.03	0.01	0.01	0.01	0.02	0.03	0.04	0.09	0.39
HWQ16 - Bayou Grand Liard	0.02	0.00	0.01	-0.02	-0.01	0.00	0.01	-0.01	-0.01	-0.04	-0.04	-0.02
CRMS 3985	0.12	0.25	0.12	0.04	0.02	0.01	0.01	0.02	0.06	0.08	0.36	0.32
CRMS 0258	0.02	0.01	0.00	-0.05	-0.05	-0.03	-0.02	-0.01	-0.02	-0.02	-0.13	-0.13
CRMS 0224	0.06	0.02	0.02	-0.05	-0.05	-0.04	-0.02	-0.01	-0.01	-0.03	-0.07	-0.04
CRMS 0163	-0.02	-0.01	-0.01	-0.02	-0.01	-0.04	-0.04	-0.04	-0.04	-0.04	-0.07	0.00
CRMS 0162	-0.02	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.01	0.02	-0.06	0.00

Figure WQ TOTN 77 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.07	0.72	0.56	0.56	0.47	0.49	0.54	0.54	0.59	0.79	0.82
CRMS0276 - Just east of Wilkinson Canal	1.20	1.57	1.45	1.40	1.36	1.13	0.69	0.67	0.94	1.04	1.32	1.49
Barataria Waterway at Lafitte (USACE82875)	1.79	1.83	1.84	1.80	1.73	1.50	1.27	1.33	1.50	1.72	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.03	0.64	0.55	0.57	0.51	0.48	0.52	0.52	0.55	0.75	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.08	0.98	0.63	0.49	0.48	0.67	0.67	0.77	0.80	0.82	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.05	1.09	0.85	0.64	0.53	0.47	0.50	0.50	0.58	0.61	0.79	0.82
USGS 07380335 - Little Lake Near Cutoff	1.02	1.15	0.92	0.75	0.61	0.51	0.50	0.50	0.61	0.63	0.84	0.94
USGS073802516 Barataria Pass at Grand Isle	1.03	1.11	0.86	0.68	0.59	0.51	0.48	0.48	0.57	0.60	0.77	0.84
HWQ14 - Lake Washington	1.12	1.04	0.88	0.60	0.46	0.44	0.56	0.55	0.64	0.67	0.77	0.72
HWQ16 - Bayou Grand Liard	1.02	1.26	1.12	0.98	0.93	0.77	0.59	0.59	0.67	0.67	0.86	1.06
CRMS 3985	1.27	1.09	1.16	0.66	0.43	0.54	0.95	0.91	0.94	0.98	0.75	0.95
CRMS 0258	0.99	1.18	0.80	0.82	0.86	0.66	0.56	0.54	0.54	0.59	1.04	1.18
CRMS 0224	0.99	1.10	0.75	0.70	0.63	0.54	0.47	0.48	0.58	0.60	0.84	0.93
CRMS 0163	1.82	1.83	1.84	1.84	1.78	1.67	1.51	1.60	1.81	1.84	1.87	1.84
CRMS 0162	1.87	1.87	1.90	1.86	1.80	1.77	1.86	1.70	1.41	1.90	1.86	1.89

V3PR9 HYST - cy 1 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.20	1.20	0.85	0.59	0.58	0.50	0.54	0.58	0.56	0.60	0.81	0.99
CRMS0276 - Just east of Wilkinson Canal	1.20	1.51	1.40	1.29	1.22	1.05	0.70	0.67	0.89	0.94	1.08	1.39
Barataria Waterway at Lafitte (USACE82875)	1.64	1.69	1.50	1.36	1.26	1.27	1.05	0.98	1.11	1.23	1.48	1.58
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.10	0.72	0.56	0.56	0.51	0.51	0.54	0.53	0.55	0.73	0.81
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.35	1.17	0.71	0.63	0.59	0.75	0.73	0.80	0.83	0.95	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.20	1.00	0.67	0.57	0.52	0.55	0.53	0.59	0.61	0.77	1.00
USGS 07380335 - Little Lake Near Cutoff	1.12	1.21	1.03	0.75	0.61	0.54	0.55	0.53	0.61	0.61	0.76	1.01
USGS073802516 Barataria Pass at Grand Isle	1.15	1.20	1.01	0.71	0.61	0.54	0.54	0.51	0.59	0.60	0.75	0.99
HWQ14 - Lake Washington	1.29	1.28	1.09	0.69	0.60	0.54	0.65	0.61	0.69	0.72	0.86	1.11
HWQ16 - Bayou Grand Liard	1.03	1.26	1.14	0.97	0.89	0.76	0.62	0.61	0.66	0.63	0.79	1.03
CRMS 3985	1.50	1.42	1.32	0.84	0.78	0.70	1.02	0.96	0.97	1.00	1.09	1.35
CRMS 0258	1.04	1.19	0.85	0.78	0.81	0.62	0.55	0.55	0.53	0.59	0.90	1.10
CRMS 0224	1.08	1.13	0.83	0.68	0.60	0.53	0.50	0.50	0.57	0.58	0.75	0.94
CRMS 0163	1.80	1.81	1.78	1.74	1.65	1.61	1.47	1.57	1.78	1.79	1.81	1.81
CRMS 0162	1.83	1.85	1.87	1.81	1.76	1.75	1.85	1.72	1.47	1.90	1.81	1.88

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.12	0.12	0.13	0.03	0.02	0.03	0.04	0.03	0.02	0.02	0.03	0.16
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.07	-0.06	-0.11	-0.14	-0.08	0.01	0.00	-0.04	-0.10	-0.24	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.15	-0.14	-0.34	-0.44	-0.48	-0.23	-0.22	-0.35	-0.39	-0.50	-0.40	-0.30
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.07	0.08	0.01	-0.01	0.00	0.03	0.03	0.01	0.00	-0.01	0.04
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.27	0.18	0.08	0.14	0.11	0.08	0.05	0.03	0.03	0.13	0.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.11	0.14	0.03	0.05	0.05	0.05	0.03	0.01	0.00	-0.02	0.18
USGS 07380335 - Little Lake Near Cutoff	0.09	0.06	0.11	0.00	0.00	0.03	0.05	0.03	0.00	-0.02	-0.08	0.07
USGS073802516 Barataria Pass at Grand Isle	0.13	0.09	0.15	0.03	0.02	0.03	0.05	0.03	0.02	0.00	-0.02	0.15
HWQ14 - Lake Washington	0.17	0.24	0.21	0.08	0.13	0.11	0.09	0.06	0.05	0.04	0.09	0.39
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	-0.01	-0.04	-0.01	0.03	0.01	-0.01	-0.05	-0.07	-0.03
CRMS 3985	0.23	0.34	0.16	0.18	0.35	0.16	0.07	0.05	0.03	0.03	0.34	0.40
CRMS 0258	0.05	0.01	0.04	-0.04	-0.04	-0.05	-0.01	0.00	-0.01	0.00	-0.14	-0.09
CRMS 0224	0.09	0.03	0.08	-0.02	-0.03	-0.02	0.03	0.02	-0.01	-0.02	-0.08	0.01
CRMS 0163	-0.02	-0.01	-0.05	-0.09	-0.12	-0.06	-0.03	-0.03	-0.02	-0.05	-0.06	-0.03
CRMS 0162	-0.04	-0.02	-0.03	-0.04	-0.04	-0.02	-0.01	0.02	0.06	0.00	-0.05	-0.01

Figure WQ TOTN 78 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.27	0.91	0.64	0.64	0.58	0.59	0.63	0.61	0.64	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.38	1.67	1.62	1.57	1.51	1.42	1.13	1.16	1.44	1.17	1.14	1.36
Barataria Waterway at Lafitte (USACE82875)	1.83	1.84	1.89	1.86	1.76	1.68	1.67	1.63	1.68	1.66	1.76	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.24	0.80	0.64	0.69	0.66	0.59	0.60	0.64	0.65	0.83	0.86
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.33	1.06	0.64	0.58	0.56	0.60	0.64	0.75	0.74	0.86	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.28	1.00	0.71	0.61	0.57	0.57	0.61	0.66	0.68	0.79	0.96
USGS 07380335 - Little Lake Near Cutoff	1.18	1.33	1.10	0.87	0.71	0.64	0.65	0.75	0.76	0.74	0.81	0.95
USGS073802516 Barataria Pass at Grand Isle	1.19	1.28	1.01	0.76	0.67	0.64	0.63	0.70	0.69	0.68	0.75	0.93
HWQ14 - Lake Washington	1.26	1.26	0.96	0.60	0.54	0.52	0.55	0.56	0.65	0.67	0.78	1.04
HWQ16 - Bayou Grand Liard	1.18	1.41	1.31	1.16	1.06	1.03	1.01	1.08	1.00	0.78	0.75	0.96
CRMS 3985	1.46	1.39	1.12	0.65	0.59	0.60	0.67	0.71	0.89	0.86	1.00	1.33
CRMS 0258	1.25	1.38	1.17	0.96	1.01	1.06	1.03	1.06	0.96	0.85	1.15	1.17
CRMS 0224	1.15	1.29	0.93	0.82	0.78	0.74	0.61	0.61	0.78	0.76	0.90	0.96
CRMS 0163	1.80	1.82	1.89	1.87	1.85	1.81	1.77	1.78	1.91	1.84	1.83	1.83
CRMS 0162	1.88	1.91	1.95	1.92	1.92	1.89	1.93	1.91	1.89	1.94	1.75	1.88

V3PR9 HYST - cy 1 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.90	1.02	0.80	0.60	0.61	0.56	0.59	0.63	0.60	0.64	0.77	0.74
CRMS0276 - Just east of Wilkinson Canal	1.24	1.63	1.52	1.47	1.39	1.34	1.02	1.08	1.35	1.15	1.00	1.18
Barataria Waterway at Lafitte (USACE82875)	1.73	1.75	1.56	1.40	1.42	1.44	1.29	1.27	1.44	1.32	1.42	1.59
USGS2928590900040000 Barataria Waterway South of Lafitte	0.85	1.01	0.69	0.59	0.65	0.61	0.56	0.58	0.61	0.63	0.79	0.77
USGS7380251 Barataria Bay North of Grand Isle	0.77	1.05	0.93	0.60	0.56	0.57	0.75	0.67	0.77	0.77	0.73	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.77	1.02	0.84	0.65	0.58	0.55	0.58	0.61	0.65	0.67	0.74	0.69
USGS 07380335 - Little Lake Near Cutoff	0.87	1.14	0.97	0.80	0.67	0.59	0.61	0.73	0.75	0.73	0.76	0.77
USGS073802516 Barataria Pass at Grand Isle	0.78	1.05	0.87	0.72	0.65	0.61	0.60	0.68	0.68	0.68	0.72	0.71
HWQ14 - Lake Washington	0.66	0.93	0.82	0.55	0.52	0.52	0.67	0.59	0.67	0.69	0.72	0.57
HWQ16 - Bayou Grand Liard	1.06	1.35	1.26	1.13	1.04	1.01	0.95	1.03	0.99	0.78	0.72	0.88
CRMS 3985	0.74	1.13	0.99	0.61	0.57	0.64	1.00	0.85	0.91	0.90	0.66	0.41
CRMS 0258	1.07	1.29	1.13	0.90	0.97	1.02	1.00	1.04	0.93	0.81	1.06	0.98
CRMS 0224	0.84	1.12	0.82	0.74	0.72	0.68	0.58	0.59	0.74	0.72	0.84	0.82
CRMS 0163	1.81	1.82	1.87	1.84	1.81	1.77	1.69	1.76	1.88	1.81	1.86	1.86
CRMS 0162	1.88	1.91	1.95	1.92	1.91	1.88	1.90	1.90	1.88	1.93	1.77	1.92

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.38	-0.25	-0.11	-0.04	-0.03	-0.03	0.00	0.01	0.00	0.00	-0.03	-0.20
CRMS0276 - Just east of Wilkinson Canal	-0.14	-0.04	-0.10	-0.10	-0.11	-0.08	-0.11	-0.08	-0.08	-0.02	-0.13	-0.18
Barataria Waterway at Lafitte (USACE82875)	-0.09	-0.09	-0.32	-0.46	-0.34	-0.24	-0.38	-0.37	-0.24	-0.34	-0.34	-0.22
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.34	-0.23	-0.11	-0.05	-0.04	-0.05	-0.03	-0.02	-0.03	-0.02	-0.04	-0.09
USGS7380251 Barataria Bay North of Grand Isle	-0.59	-0.28	-0.13	-0.04	-0.02	0.01	0.15	0.03	0.02	0.03	-0.13	-0.64
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.43	-0.26	-0.16	-0.06	-0.03	-0.03	0.01	0.00	-0.02	-0.01	-0.05	-0.26
USGS 07380335 - Little Lake Near Cutoff	-0.32	-0.19	-0.13	-0.07	-0.04	-0.04	-0.04	-0.01	-0.02	-0.01	-0.05	-0.18
USGS073802516 Barataria Pass at Grand Isle	-0.40	-0.23	-0.14	-0.05	-0.02	-0.03	-0.03	-0.01	-0.01	0.00	-0.03	-0.22
HWQ14 - Lake Washington	-0.60	-0.33	-0.15	-0.05	-0.02	0.00	0.12	0.03	0.02	0.03	-0.06	-0.46
HWQ16 - Bayou Grand Liard	-0.12	-0.06	-0.05	-0.03	-0.02	-0.02	-0.06	-0.05	-0.02	0.00	-0.03	-0.08
CRMS 3985	-0.72	-0.26	-0.13	-0.04	-0.02	0.04	0.34	0.14	0.02	0.04	-0.34	-0.92
CRMS 0258	-0.18	-0.09	-0.04	-0.06	-0.04	-0.04	-0.03	-0.02	-0.04	-0.05	-0.09	-0.19
CRMS 0224	-0.31	-0.18	-0.11	-0.09	-0.05	-0.06	-0.03	-0.02	-0.04	-0.04	-0.06	-0.14
CRMS 0163	0.01	0.00	-0.02	-0.03	-0.03	-0.04	-0.07	-0.02	-0.03	-0.03	0.02	0.03
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.03	-0.01	-0.01	-0.01	0.02	0.05

Figure WQ TOTN 79 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.22	0.91	0.63	0.62	0.58	0.59	0.63	0.59	0.63	0.75	0.89
CRMS0276 - Just east of Wilkinson Canal	1.38	1.53	1.59	1.58	1.64	1.39	1.11	1.20	1.38	1.08	1.01	1.58
Barataria Waterway at Lafitte (USACE82875)	1.86	1.89	1.82	1.85	1.82	1.71	1.65	1.60	1.67	1.60	1.80	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.19	0.80	0.64	0.69	0.67	0.60	0.60	0.60	0.61	0.77	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.31	1.10	0.65	0.56	0.55	0.60	0.64	0.75	0.78	0.75	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.23	0.99	0.73	0.63	0.58	0.57	0.61	0.66	0.67	0.71	0.84
USGS 07380335 - Little Lake Near Cutoff	1.16	1.23	1.06	0.89	0.77	0.65	0.64	0.74	0.77	0.71	0.71	0.93
USGS073802516 Barataria Pass at Grand Isle	1.15	1.21	0.99	0.79	0.73	0.66	0.63	0.69	0.69	0.67	0.69	0.85
HWQ14 - Lake Washington	1.20	1.25	1.00	0.62	0.53	0.52	0.54	0.56	0.65	0.69	0.72	0.81
HWQ16 - Bayou Grand Liard	1.16	1.23	1.24	1.19	1.24	1.09	1.02	1.05	0.97	0.73	0.69	1.10
CRMS 3985	1.44	1.34	1.23	0.69	0.56	0.58	0.66	0.71	0.88	0.93	0.75	1.14
CRMS 0258	1.22	1.22	1.17	0.97	1.00	1.04	1.05	1.06	0.92	0.82	0.96	1.21
CRMS 0224	1.14	1.20	0.91	0.84	0.83	0.76	0.64	0.63	0.77	0.71	0.78	0.94
CRMS 0163	1.88	1.90	1.78	1.85	1.81	1.91	1.75	1.80	1.91	1.80	1.88	1.79
CRMS 0162	1.87	1.86	1.88	1.91	1.90	1.97	1.95	1.91	1.88	1.85	1.80	1.87

V3PR9 HYST - cy 1 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.23	0.94	0.64	0.62	0.57	0.59	0.63	0.59	0.63	0.76	0.99
CRMS0276 - Just east of Wilkinson Canal	1.39	1.48	1.44	1.48	1.54	1.34	1.09	1.08	1.31	1.01	0.92	1.48
Barataria Waterway at Lafitte (USACE82875)	1.78	1.74	1.63	1.45	1.47	1.41	1.29	1.27	1.41	1.26	1.37	1.70
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.21	0.81	0.64	0.67	0.66	0.59	0.59	0.59	0.60	0.75	0.86
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.34	1.16	0.67	0.56	0.55	0.60	0.64	0.74	0.78	0.87	1.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.23	1.00	0.72	0.61	0.57	0.56	0.60	0.64	0.65	0.70	0.95
USGS 07380335 - Little Lake Near Cutoff	1.20	1.23	1.04	0.87	0.73	0.63	0.64	0.73	0.74	0.68	0.68	0.96
USGS073802516 Barataria Pass at Grand Isle	1.19	1.21	1.00	0.79	0.71	0.65	0.63	0.68	0.68	0.65	0.68	0.95
HWQ14 - Lake Washington	1.26	1.27	1.08	0.64	0.54	0.53	0.55	0.57	0.65	0.70	0.79	1.07
HWQ16 - Bayou Grand Liard	1.16	1.22	1.21	1.17	1.21	1.10	1.03	1.03	0.96	0.71	0.66	1.09
CRMS 3985	1.46	1.41	1.30	0.72	0.57	0.59	0.67	0.71	0.87	0.93	1.04	1.31
CRMS 0258	1.26	1.25	1.05	0.98	0.96	1.03	1.04	1.06	0.87	0.76	0.96	1.19
CRMS 0224	1.17	1.20	0.87	0.83	0.78	0.73	0.63	0.62	0.73	0.68	0.74	0.94
CRMS 0163	1.88	1.89	1.77	1.82	1.81	1.89	1.72	1.78	1.88	1.77	1.83	1.79
CRMS 0162	1.86	1.84	1.88	1.91	1.90	1.96	1.95	1.91	1.88	1.88	1.74	1.86

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.01	0.03	0.00	-0.01	-0.01	0.00	0.01	0.00	0.00	0.01	0.10
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.05	-0.15	-0.11	-0.10	-0.05	-0.03	-0.11	-0.07	-0.06	-0.09	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.15	-0.19	-0.40	-0.35	-0.30	-0.36	-0.33	-0.26	-0.34	-0.43	-0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.04	0.02	0.01	0.00	-0.02	-0.02	-0.01	-0.01	-0.01	-0.02	-0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.03	0.06	0.01	0.00	0.00	0.01	0.00	-0.01	0.00	0.12	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.00	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.01	0.11
USGS 07380335 - Little Lake Near Cutoff	0.03	0.00	-0.02	-0.02	-0.04	-0.02	0.00	-0.01	-0.03	-0.03	-0.04	0.04
USGS073802516 Barataria Pass at Grand Isle	0.05	0.00	0.02	0.00	-0.01	-0.01	0.00	-0.01	-0.01	-0.02	-0.01	0.10
HWQ14 - Lake Washington	0.06	0.02	0.07	0.02	0.01	0.00	0.01	0.01	0.00	0.01	0.07	0.26
HWQ16 - Bayou Grand Liard	0.00	-0.01	-0.03	-0.02	-0.03	0.01	0.00	-0.02	-0.01	-0.02	-0.03	-0.01
CRMS 3985	0.02	0.07	0.07	0.03	0.01	0.01	0.01	-0.01	-0.01	0.00	0.29	0.17
CRMS 0258	0.03	0.04	-0.13	0.01	-0.03	0.00	0.00	0.00	-0.05	-0.06	0.00	-0.02
CRMS 0224	0.03	0.01	-0.04	-0.02	-0.05	-0.03	-0.01	-0.01	-0.04	-0.03	-0.04	0.00
CRMS 0163	0.01	-0.01	-0.01	-0.03	0.00	-0.02	-0.03	-0.03	-0.02	-0.03	-0.05	0.00
CRMS 0162	-0.02	-0.02	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.03	-0.05	0.00

Figure WQ TOTN 80 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.19	1.24	0.90	0.69	0.68	0.62	0.56	0.59	0.58	0.62	0.86	0.95
CRMS0276 - Just east of Wilkinson Canal	1.52	1.66	1.70	1.66	1.56	1.34	0.96	0.77	1.18	0.97	1.35	1.68
Barataria Waterway at Lafitte (USACE82875)	1.86	1.90	1.88	1.91	1.86	1.74	1.55	1.48	1.81	1.65	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.24	0.83	0.75	0.77	0.72	0.60	0.58	0.56	0.58	0.82	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.26	1.06	0.65	0.57	0.56	0.59	0.75	0.77	0.77	0.80	1.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.23	1.02	0.76	0.63	0.58	0.56	0.56	0.62	0.61	0.76	1.01
USGS 07380335 - Little Lake Near Cutoff	1.21	1.29	1.13	0.92	0.74	0.62	0.62	0.56	0.68	0.63	0.82	1.14
USGS073802516 Barataria Pass at Grand Isle	1.13	1.22	1.02	0.80	0.70	0.61	0.59	0.54	0.62	0.60	0.73	1.02
HWQ14 - Lake Washington	1.04	1.16	0.96	0.61	0.54	0.51	0.52	0.60	0.65	0.65	0.70	0.91
HWQ16 - Bayou Grand Liard	1.28	1.33	1.34	1.21	1.09	0.90	0.79	0.62	0.77	0.64	0.88	1.28
CRMS 3985	1.17	1.33	1.17	0.65	0.56	0.58	0.66	0.98	0.95	0.92	0.82	1.07
CRMS 0258	1.33	1.42	1.17	1.08	1.07	1.07	0.84	0.68	0.68	0.73	1.18	1.35
CRMS 0224	1.20	1.31	1.01	0.95	0.86	0.76	0.61	0.56	0.66	0.64	0.87	1.15
CRMS 0163	1.87	1.92	1.87	1.93	1.97	1.90	1.67	1.72	1.90	1.77	1.86	1.84
CRMS 0162	1.88	1.87	1.92	1.89	1.85	1.87	1.95	1.64	1.38	1.29	1.75	1.89

V3PR2 HYST - cy 2 - 1985 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	2.00	2.00	2.00	2.00	1.98	1.93	1.94	1.88	1.86	1.96	1.98
CRMS0276 - Just east of Wilkinson Canal	1.65	1.69	1.70	1.62	1.50	1.28	0.97	0.83	1.22	1.02	1.39	1.69
Barataria Waterway at Lafitte (USACE82875)	1.87	1.94	1.89	1.91	1.86	1.74	1.56	1.55	1.85	1.71	1.87	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.93	2.09	1.91	1.94	1.93	1.58	1.24	1.21	1.08	1.23	1.85	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.69	1.69	1.68	1.60	1.47	1.05	0.88	0.87	0.90	0.90	1.53	1.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.73	1.76	1.73	1.64	1.53	1.16	0.90	0.80	0.86	0.86	1.49	1.74
USGS 07380335 - Little Lake Near Cutoff	1.65	1.68	1.67	1.52	1.38	1.03	0.85	0.70	0.84	0.78	1.32	1.68
USGS073802516 Barataria Pass at Grand Isle	1.56	1.59	1.47	1.24	1.07	0.82	0.74	0.64	0.75	0.73	1.21	1.53
HWQ14 - Lake Washington	1.44	1.50	1.34	1.09	0.91	0.72	0.68	0.65	0.72	0.72	1.10	1.39
HWQ16 - Bayou Grand Liard	1.43	1.46	1.49	1.31	1.17	0.95	0.81	0.66	0.82	0.68	1.00	1.44
CRMS 3985	1.46	1.45	1.44	1.20	1.03	0.82	0.78	0.79	0.89	0.82	1.11	1.45
CRMS 0258	1.74	1.71	1.61	1.31	1.28	1.18	1.01	0.90	0.78	0.85	1.45	1.71
CRMS 0224	1.74	1.73	1.65	1.44	1.30	1.04	0.92	0.79	0.84	0.84	1.43	1.71
CRMS 0163	1.89	1.95	1.88	1.94	1.98	1.90	1.68	1.77	1.94	1.81	1.87	1.85
CRMS 0162	1.89	1.89	1.92	1.89	1.85	1.88	1.96	1.71	1.45	1.40	1.75	1.90

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.76	1.10	1.31	1.32	1.36	1.37	1.35	1.30	1.25	1.11	1.03
CRMS0276 - Just east of Wilkinson Canal	0.13	0.04	0.00	-0.04	-0.06	-0.05	0.00	0.06	0.04	0.05	0.04	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.03	0.02	0.01	0.00	0.00	0.01	0.06	0.04	0.06	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.85	1.08	1.19	1.17	0.86	0.64	0.64	0.52	0.65	1.02	0.96
USGS7380251 Barataria Bay North of Grand Isle	0.56	0.44	0.62	0.96	0.90	0.49	0.29	0.13	0.12	0.13	0.72	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.53	0.71	0.89	0.89	0.58	0.34	0.24	0.24	0.25	0.73	0.73
USGS 07380335 - Little Lake Near Cutoff	0.44	0.39	0.54	0.60	0.65	0.41	0.23	0.14	0.15	0.15	0.50	0.54
USGS073802516 Barataria Pass at Grand Isle	0.43	0.37	0.45	0.43	0.37	0.20	0.15	0.10	0.13	0.13	0.48	0.51
HWQ14 - Lake Washington	0.40	0.35	0.38	0.48	0.37	0.21	0.16	0.05	0.07	0.07	0.40	0.48
HWQ16 - Bayou Grand Liard	0.15	0.13	0.15	0.10	0.08	0.05	0.02	0.04	0.05	0.05	0.12	0.16
CRMS 3985	0.29	0.13	0.27	0.55	0.47	0.24	0.12	-0.19	-0.06	-0.10	0.29	0.39
CRMS 0258	0.41	0.29	0.45	0.23	0.21	0.11	0.17	0.22	0.10	0.12	0.27	0.36
CRMS 0224	0.54	0.42	0.64	0.50	0.43	0.29	0.31	0.23	0.17	0.20	0.56	0.56
CRMS 0163	0.01	0.03	0.01	0.00	0.00	0.00	0.01	0.05	0.04	0.04	0.01	0.01
CRMS 0162	0.01	0.02	0.00	0.00	-0.01	0.00	0.01	0.07	0.07	0.11	0.00	0.01

Figure WQ TOTN 81 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.26	0.90	0.67	0.67	0.61	0.55	0.56	0.55	0.59	0.72	0.94
CRMS0276 - Just east of Wilkinson Canal	1.35	1.66	1.70	1.65	1.65	1.35	0.93	0.86	1.10	0.88	1.00	1.46
Barataria Waterway at Lafitte (USACE82875)	1.79	1.85	1.88	1.91	1.90	1.71	1.62	1.53	1.73	1.55	1.72	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.23	0.83	0.73	0.77	0.73	0.59	0.55	0.54	0.56	0.70	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.33	1.02	0.60	0.53	0.52	0.53	0.69	0.73	0.73	0.83	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.26	1.03	0.74	0.63	0.57	0.53	0.54	0.59	0.58	0.65	0.92
USGS 07380335 - Little Lake Near Cutoff	1.15	1.30	1.16	0.92	0.76	0.63	0.59	0.59	0.65	0.60	0.64	0.94
USGS073802516 Barataria Pass at Grand Isle	1.14	1.25	1.05	0.79	0.72	0.63	0.56	0.55	0.59	0.57	0.62	0.90
HWQ14 - Lake Washington	1.22	1.24	0.95	0.58	0.52	0.49	0.49	0.54	0.61	0.61	0.70	0.98
HWQ16 - Bayou Grand Liard	1.10	1.36	1.37	1.22	1.20	0.92	0.75	0.72	0.75	0.59	0.65	0.99
CRMS 3985	1.44	1.39	1.03	0.57	0.50	0.52	0.55	0.93	0.90	0.87	0.98	1.34
CRMS 0258	1.26	1.37	1.17	1.07	1.10	1.07	0.85	0.69	0.67	0.68	0.84	1.15
CRMS 0224	1.16	1.29	1.04	0.93	0.90	0.78	0.60	0.55	0.64	0.61	0.69	0.94
CRMS 0163	1.82	1.84	1.87	1.92	1.95	1.91	1.77	1.74	1.88	1.69	1.83	1.84
CRMS 0162	1.82	1.85	1.91	1.89	1.93	1.92	1.99	1.68	1.22	1.02	1.54	1.82

V3PR2 HYST - cy 2 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.97	1.99	2.00	2.01	1.99	1.91	1.92	1.90	1.88	1.87	1.92
CRMS0276 - Just east of Wilkinson Canal	1.45	1.67	1.68	1.61	1.58	1.32	0.97	0.92	1.14	0.97	1.07	1.47
Barataria Waterway at Lafitte (USACE82875)	1.81	1.87	1.89	1.91	1.91	1.71	1.64	1.58	1.77	1.65	1.76	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.86	1.86	1.91	1.93	1.94	1.49	1.23	1.21	1.09	1.18	1.59	1.76
USGS7380251 Barataria Bay North of Grand Isle	1.56	1.64	1.66	1.59	1.54	0.96	0.83	0.86	0.88	0.88	1.11	1.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.56	1.68	1.72	1.63	1.61	1.06	0.82	0.80	0.85	0.83	0.99	1.42
USGS 07380335 - Little Lake Near Cutoff	1.46	1.62	1.66	1.51	1.48	1.01	0.77	0.75	0.82	0.75	0.88	1.30
USGS073802516 Barataria Pass at Grand Isle	1.42	1.51	1.45	1.21	1.11	0.86	0.69	0.68	0.74	0.71	0.86	1.20
HWQ14 - Lake Washington	1.38	1.42	1.30	1.06	0.95	0.75	0.65	0.66	0.71	0.72	0.89	1.20
HWQ16 - Bayou Grand Liard	1.19	1.46	1.48	1.30	1.27	0.99	0.79	0.78	0.80	0.66	0.73	1.09
CRMS 3985	1.42	1.44	1.39	1.18	1.10	0.81	0.76	0.79	0.87	0.82	1.01	1.35
CRMS 0258	1.63	1.61	1.60	1.29	1.35	1.17	1.01	0.90	0.78	0.80	1.12	1.44
CRMS 0224	1.59	1.63	1.64	1.43	1.39	1.04	0.85	0.79	0.82	0.82	1.03	1.38
CRMS 0163	1.83	1.86	1.87	1.92	1.95	1.92	1.78	1.78	1.93	1.79	1.84	1.84
CRMS 0162	1.82	1.86	1.91	1.90	1.93	1.92	2.00	1.76	1.30	1.18	1.53	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.66	0.71	1.09	1.32	1.33	1.38	1.37	1.37	1.34	1.29	1.15	0.98
CRMS0276 - Just east of Wilkinson Canal	0.10	0.00	-0.02	-0.04	-0.07	-0.03	0.04	0.07	0.04	0.09	0.07	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.01	0.00	0.01	0.00	0.02	0.05	0.04	0.11	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.66	0.63	1.07	1.20	1.17	0.76	0.65	0.66	0.55	0.62	0.89	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.31	0.65	0.99	1.00	0.45	0.30	0.17	0.15	0.15	0.28	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.43	0.69	0.89	0.98	0.49	0.29	0.26	0.26	0.24	0.34	0.51
USGS 07380335 - Little Lake Near Cutoff	0.31	0.32	0.50	0.59	0.72	0.38	0.19	0.16	0.17	0.16	0.24	0.36
USGS073802516 Barataria Pass at Grand Isle	0.27	0.26	0.40	0.42	0.40	0.24	0.13	0.13	0.15	0.14	0.23	0.30
HWQ14 - Lake Washington	0.15	0.18	0.35	0.49	0.44	0.25	0.16	0.11	0.10	0.10	0.19	0.22
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.08	0.07	0.07	0.04	0.06	0.05	0.07	0.08	0.09
CRMS 3985	-0.02	0.05	0.37	0.61	0.60	0.29	0.21	-0.14	-0.03	-0.05	0.03	0.02
CRMS 0258	0.37	0.24	0.42	0.22	0.26	0.10	0.16	0.21	0.11	0.12	0.27	0.29
CRMS 0224	0.43	0.33	0.60	0.49	0.49	0.26	0.25	0.24	0.18	0.21	0.34	0.44
CRMS 0163	0.01	0.02	0.00	0.00	0.00	0.01	0.01	0.04	0.05	0.10	0.02	0.01
CRMS 0162	0.00	0.01	0.00	0.01	0.00	-0.01	0.00	0.08	0.08	0.16	-0.01	0.01

Figure WQ TOTN 82 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.17	1.21	0.86	0.60	0.59	0.51	0.52	0.55	0.53	0.58	0.78	0.93
CRMS0276 - Just east of Wilkinson Canal	1.17	1.57	1.48	1.48	1.45	1.15	0.64	0.59	0.80	0.91	1.21	1.43
Barataria Waterway at Lafitte (USACE82875)	1.72	1.83	1.85	1.85	1.84	1.62	1.35	1.37	1.33	1.70	1.81	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.15	0.77	0.62	0.63	0.58	0.51	0.52	0.49	0.51	0.72	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.31	1.31	1.14	0.61	0.54	0.53	0.73	0.73	0.75	0.78	0.82	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.18	1.00	0.68	0.56	0.51	0.53	0.50	0.55	0.56	0.72	0.93
USGS 07380335 - Little Lake Near Cutoff	1.05	1.21	1.04	0.81	0.64	0.54	0.51	0.48	0.55	0.55	0.74	0.98
USGS073802516 Barataria Pass at Grand Isle	1.07	1.17	0.99	0.72	0.61	0.53	0.50	0.47	0.53	0.53	0.69	0.91
HWQ14 - Lake Washington	1.19	1.21	1.05	0.59	0.50	0.48	0.59	0.57	0.63	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.97	1.25	1.14	1.03	0.96	0.77	0.53	0.51	0.59	0.55	0.78	1.01
CRMS 3985	1.44	1.39	1.29	0.63	0.59	0.62	1.01	1.00	0.93	0.95	0.87	1.29
CRMS 0258	1.07	1.24	0.90	0.93	0.93	0.78	0.61	0.55	0.51	0.56	0.97	1.18
CRMS 0224	1.06	1.18	0.90	0.81	0.73	0.65	0.52	0.48	0.52	0.53	0.77	0.98
CRMS 0163	1.77	1.85	1.87	1.89	1.88	1.74	1.49	1.59	1.46	1.81	1.85	1.84
CRMS 0162	1.73	1.81	1.79	1.69	1.71	1.73	1.60	1.12	0.72	1.44	1.70	1.84

V3PR2 HYST - cy 2 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.90	1.95	1.97	1.89	1.92	1.90	1.94	1.93	1.87	1.82	1.83	1.88
CRMS0276 - Just east of Wilkinson Canal	1.24	1.58	1.50	1.49	1.41	1.16	0.69	0.64	0.88	0.99	1.26	1.44
Barataria Waterway at Lafitte (USACE82875)	1.73	1.85	1.89	1.86	1.86	1.64	1.42	1.41	1.48	1.77	1.82	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.68	1.80	1.68	1.32	1.56	0.97	1.07	1.09	0.97	1.08	1.38	1.61
USGS7380251 Barataria Bay North of Grand Isle	1.47	1.56	1.42	1.11	1.17	0.72	0.72	0.79	0.80	0.84	1.11	1.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.35	1.55	1.38	1.09	1.19	0.73	0.69	0.68	0.74	0.76	0.99	1.28
USGS 07380335 - Little Lake Near Cutoff	1.22	1.47	1.30	1.09	1.04	0.70	0.61	0.57	0.67	0.68	0.92	1.20
USGS073802516 Barataria Pass at Grand Isle	1.24	1.41	1.19	0.95	0.80	0.64	0.56	0.53	0.62	0.65	0.87	1.13
HWQ14 - Lake Washington	1.33	1.39	1.15	0.85	0.71	0.59	0.57	0.60	0.65	0.69	0.87	1.16
HWQ16 - Bayou Grand Liard	1.00	1.32	1.20	1.08	0.97	0.81	0.56	0.54	0.64	0.63	0.83	1.05
CRMS 3985	1.48	1.45	1.22	0.89	0.81	0.65	0.68	0.82	0.82	0.87	1.02	1.35
CRMS 0258	1.38	1.46	1.05	0.99	1.02	0.81	0.72	0.71	0.61	0.66	1.14	1.33
CRMS 0224	1.35	1.48	1.21	1.02	1.00	0.77	0.67	0.66	0.67	0.70	1.01	1.25
CRMS 0163	1.78	1.86	1.90	1.90	1.89	1.76	1.56	1.63	1.64	1.84	1.85	1.85
CRMS 0162	1.73	1.82	1.83	1.70	1.70	1.76	1.71	1.18	0.76	1.54	1.70	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.75	1.11	1.29	1.33	1.38	1.42	1.38	1.34	1.24	1.05	0.95
CRMS0276 - Just east of Wilkinson Canal	0.07	0.01	0.02	0.02	-0.03	0.01	0.06	0.05	0.08	0.08	0.05	0.01
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.04	0.01	0.02	0.02	0.07	0.05	0.15	0.07	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.65	0.91	0.69	0.92	0.39	0.56	0.57	0.48	0.57	0.66	0.77
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.25	0.28	0.50	0.63	0.18	0.00	0.06	0.05	0.06	0.29	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.24	0.37	0.38	0.41	0.63	0.23	0.16	0.18	0.19	0.20	0.27	0.35
USGS 07380335 - Little Lake Near Cutoff	0.17	0.27	0.26	0.27	0.40	0.16	0.10	0.09	0.12	0.13	0.18	0.22
USGS073802516 Barataria Pass at Grand Isle	0.17	0.23	0.20	0.23	0.19	0.10	0.06	0.06	0.09	0.11	0.17	0.22
HWQ14 - Lake Washington	0.14	0.18	0.10	0.26	0.21	0.11	-0.02	0.03	0.03	0.05	0.15	0.20
HWQ16 - Bayou Grand Liard	0.03	0.07	0.06	0.05	0.01	0.04	0.03	0.02	0.05	0.07	0.05	0.04
CRMS 3985	0.04	0.06	-0.07	0.27	0.22	0.03	-0.32	-0.17	-0.11	-0.08	0.15	0.06
CRMS 0258	0.30	0.22	0.15	0.06	0.09	0.03	0.10	0.16	0.09	0.10	0.16	0.15
CRMS 0224	0.29	0.30	0.31	0.21	0.27	0.12	0.15	0.17	0.15	0.17	0.24	0.27
CRMS 0163	0.01	0.01	0.03	0.01	0.01	0.02	0.06	0.05	0.18	0.03	0.00	0.00
CRMS 0162	0.00	0.01	0.04	0.00	0.00	0.03	0.11	0.06	0.04	0.10	-0.01	0.00

Figure WQ TOTN 83 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.28	0.91	0.68	0.68	0.62	0.60	0.63	0.63	0.65	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.32	1.69	1.67	1.63	1.58	1.48	1.15	1.11	1.34	1.07	1.05	1.29
Barataria Waterway at Lafitte (USACE82875)	1.79	1.86	1.90	1.90	1.86	1.79	1.78	1.66	1.78	1.70	1.68	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	0.84	0.72	0.75	0.72	0.61	0.60	0.64	0.64	0.81	0.89
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.32	1.03	0.64	0.57	0.56	0.59	0.66	0.76	0.77	0.87	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.28	1.01	0.74	0.63	0.58	0.58	0.60	0.65	0.64	0.73	0.91
USGS 07380335 - Little Lake Near Cutoff	1.13	1.33	1.13	0.90	0.73	0.66	0.66	0.71	0.75	0.68	0.73	0.89
USGS073802516 Barataria Pass at Grand Isle	1.13	1.27	1.02	0.78	0.68	0.64	0.64	0.67	0.67	0.64	0.69	0.87
HWQ14 - Lake Washington	1.22	1.24	0.94	0.60	0.53	0.51	0.52	0.56	0.64	0.65	0.74	1.00
HWQ16 - Bayou Grand Liard	1.11	1.40	1.32	1.17	1.08	1.04	0.98	0.98	0.89	0.70	0.69	0.88
CRMS 3985	1.44	1.38	1.11	0.64	0.57	0.58	0.64	0.79	0.91	0.91	1.00	1.36
CRMS 0258	1.23	1.40	1.17	1.07	1.06	1.10	0.99	0.96	0.92	0.84	1.05	1.06
CRMS 0224	1.13	1.33	1.01	0.92	0.85	0.80	0.65	0.63	0.77	0.72	0.82	0.92
CRMS 0163	1.81	1.85	1.92	1.91	1.93	1.91	1.84	1.81	1.90	1.81	1.81	1.83
CRMS 0162	1.83	1.88	1.90	1.83	1.83	1.93	1.97	1.91	1.66	1.57	1.46	1.75

V3PR2 HYST - cy 2 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	1.99	1.99	1.99	1.98	1.94	1.90	1.88	1.91	1.89
CRMS0276 - Just east of Wilkinson Canal	1.44	1.71	1.65	1.61	1.52	1.38	1.14	1.15	1.43	1.13	1.13	1.33
Barataria Waterway at Lafitte (USACE82875)	1.80	1.88	1.90	1.90	1.87	1.79	1.77	1.66	1.86	1.75	1.71	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.84	1.88	1.93	1.91	1.91	1.88	1.87	1.55	1.14	1.21	1.68	1.75
USGS7380251 Barataria Bay North of Grand Isle	1.62	1.67	1.70	1.57	1.48	1.30	1.30	1.17	0.93	0.93	1.18	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.61	1.72	1.74	1.60	1.51	1.47	1.48	1.29	0.98	0.92	1.09	1.32
USGS 07380335 - Little Lake Near Cutoff	1.50	1.66	1.66	1.47	1.37	1.31	1.29	1.17	0.98	0.86	0.99	1.19
USGS073802516 Barataria Pass at Grand Isle	1.44	1.56	1.46	1.21	1.05	0.93	0.94	0.96	0.87	0.81	0.95	1.15
HWQ14 - Lake Washington	1.41	1.47	1.33	1.07	0.90	0.81	0.81	0.81	0.74	0.76	0.96	1.21
HWQ16 - Bayou Grand Liard	1.22	1.51	1.43	1.26	1.15	1.09	1.01	1.01	0.99	0.76	0.77	0.98
CRMS 3985	1.48	1.49	1.42	1.17	1.06	0.97	0.98	0.97	0.80	0.83	1.04	1.38
CRMS 0258	1.64	1.66	1.62	1.25	1.26	1.32	1.40	1.37	1.17	1.02	1.38	1.40
CRMS 0224	1.61	1.67	1.66	1.38	1.29	1.31	1.39	1.24	1.06	0.97	1.19	1.31
CRMS 0163	1.82	1.86	1.92	1.92	1.93	1.91	1.83	1.83	1.96	1.85	1.83	1.84
CRMS 0162	1.84	1.88	1.90	1.84	1.83	1.93	1.97	1.94	1.73	1.65	1.47	1.77

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.70	1.08	1.31	1.32	1.37	1.38	1.31	1.27	1.23	1.11	0.95
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	-0.02	-0.03	-0.06	-0.10	-0.01	0.03	0.08	0.06	0.08	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.00	0.00	0.00	0.00	-0.02	0.00	0.08	0.05	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.65	0.62	1.10	1.19	1.16	1.16	1.25	0.95	0.50	0.57	0.87	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.35	0.67	0.93	0.91	0.74	0.71	0.50	0.18	0.16	0.31	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.45	0.44	0.72	0.86	0.89	0.89	0.90	0.68	0.33	0.27	0.36	0.41
USGS 07380335 - Little Lake Near Cutoff	0.37	0.33	0.53	0.57	0.63	0.65	0.62	0.45	0.24	0.18	0.25	0.30
USGS073802516 Barataria Pass at Grand Isle	0.31	0.29	0.43	0.43	0.37	0.29	0.30	0.29	0.20	0.17	0.26	0.28
HWQ14 - Lake Washington	0.19	0.23	0.39	0.47	0.37	0.30	0.29	0.25	0.11	0.12	0.21	0.21
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.09	0.07	0.05	0.02	0.03	0.09	0.06	0.08	0.10
CRMS 3985	0.04	0.11	0.31	0.53	0.49	0.39	0.34	0.18	-0.11	-0.08	0.04	0.02
CRMS 0258	0.41	0.26	0.45	0.18	0.21	0.22	0.41	0.41	0.25	0.18	0.32	0.34
CRMS 0224	0.48	0.35	0.64	0.46	0.43	0.51	0.75	0.61	0.30	0.26	0.37	0.39
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	-0.01	0.02	0.06	0.04	0.02	0.01
CRMS 0162	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.03	0.07	0.08	0.01	0.02

Figure WQ TOTN 84 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.88	0.97	0.84	0.66	0.65	0.61	0.59	0.61	0.60	0.63	0.76	0.85
CRMS0276 - Just east of Wilkinson Canal	1.33	1.46	1.58	1.65	1.69	1.42	1.11	1.06	1.28	1.02	0.99	1.59
Barataria Waterway at Lafitte (USACE82875)	1.81	1.85	1.84	1.89	1.86	1.80	1.73	1.63	1.75	1.64	1.70	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	0.98	0.73	0.71	0.75	0.72	0.61	0.59	0.60	0.61	0.76	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.81	1.08	1.07	0.64	0.54	0.54	0.58	0.61	0.71	0.75	0.82	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.02	0.91	0.75	0.64	0.59	0.57	0.60	0.62	0.63	0.69	0.85
USGS 07380335 - Little Lake Near Cutoff	1.01	1.08	0.98	0.92	0.79	0.67	0.65	0.71	0.72	0.66	0.68	0.95
USGS073802516 Barataria Pass at Grand Isle	0.91	1.01	0.90	0.80	0.73	0.66	0.63	0.67	0.64	0.62	0.66	0.87
HWQ14 - Lake Washington	0.74	0.97	0.94	0.61	0.52	0.51	0.52	0.53	0.60	0.64	0.72	0.77
HWQ16 - Bayou Grand Liard	1.09	1.14	1.19	1.20	1.23	1.09	0.99	0.95	0.86	0.68	0.66	1.09
CRMS 3985	0.84	1.20	1.23	0.67	0.54	0.56	0.63	0.68	0.84	0.88	0.91	0.60
CRMS 0258	1.15	1.12	1.03	1.07	1.09	1.08	0.98	0.95	0.84	0.80	0.97	1.22
CRMS 0224	1.01	1.08	0.86	0.93	0.90	0.81	0.64	0.62	0.73	0.69	0.76	0.98
CRMS 0163	1.85	1.88	1.82	1.90	1.83	1.94	1.84	1.84	1.91	1.78	1.83	1.84
CRMS 0162	1.80	1.74	1.85	1.84	1.84	1.96	2.00	1.92	1.56	1.24	1.51	1.87

V3PR2 HYST - cy 2 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	1.94	1.97	1.99	1.92	1.98	1.98	1.93	1.90	1.90	1.90	1.96
CRMS0276 - Just east of Wilkinson Canal	1.51	1.50	1.57	1.63	1.63	1.33	1.14	1.11	1.34	1.07	1.06	1.58
Barataria Waterway at Lafitte (USACE82875)	1.83	1.86	1.86	1.89	1.86	1.81	1.71	1.64	1.81	1.71	1.72	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.23	1.90	1.83	1.90	1.83	1.89	1.89	1.27	1.16	1.23	1.70	1.85
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.50	1.59	1.59	1.49	1.32	1.29	1.01	0.92	0.92	1.18	1.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.56	1.49	1.63	1.61	1.54	1.50	1.47	1.02	0.94	0.90	1.06	1.67
USGS 07380335 - Little Lake Near Cutoff	1.47	1.42	1.55	1.50	1.44	1.35	1.29	0.98	0.94	0.84	0.94	1.55
USGS073802516 Barataria Pass at Grand Isle	1.44	1.38	1.37	1.24	1.11	0.93	0.93	0.87	0.83	0.79	0.92	1.41
HWQ14 - Lake Washington	1.41	1.39	1.29	1.11	0.95	0.81	0.80	0.75	0.73	0.75	0.94	1.32
HWQ16 - Bayou Grand Liard	1.21	1.25	1.33	1.30	1.29	1.11	1.02	0.97	0.93	0.73	0.74	1.24
CRMS 3985	1.46	1.44	1.42	1.22	1.10	0.97	0.97	0.88	0.79	0.82	1.03	1.44
CRMS 0258	1.76	1.53	1.52	1.31	1.29	1.34	1.40	1.32	1.09	0.97	1.31	1.61
CRMS 0224	1.66	1.50	1.53	1.42	1.34	1.37	1.40	1.10	1.01	0.94	1.14	1.59
CRMS 0163	1.86	1.89	1.83	1.90	1.84	1.94	1.82	1.86	1.96	1.83	1.84	1.83
CRMS 0162	1.79	1.76	1.86	1.84	1.85	1.96	2.00	1.95	1.68	1.33	1.52	1.85

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.11	0.96	1.13	1.33	1.27	1.37	1.39	1.32	1.30	1.27	1.14	1.11
CRMS0276 - Just east of Wilkinson Canal	0.19	0.04	0.00	-0.01	-0.06	-0.09	0.03	0.05	0.05	0.05	0.07	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.02	0.01	0.01	0.01	-0.02	0.01	0.06	0.07	0.03	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	0.92	1.10	1.19	1.08	1.17	1.28	0.68	0.55	0.61	0.93	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.76	0.42	0.52	0.94	0.95	0.78	0.71	0.40	0.20	0.17	0.36	0.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.66	0.47	0.72	0.87	0.90	0.91	0.90	0.43	0.32	0.27	0.37	0.81
USGS 07380335 - Little Lake Near Cutoff	0.46	0.35	0.57	0.58	0.65	0.68	0.63	0.27	0.22	0.17	0.26	0.60
USGS073802516 Barataria Pass at Grand Isle	0.54	0.37	0.47	0.44	0.38	0.27	0.30	0.20	0.19	0.16	0.26	0.54
HWQ14 - Lake Washington	0.67	0.42	0.35	0.51	0.43	0.30	0.28	0.22	0.13	0.12	0.22	0.54
HWQ16 - Bayou Grand Liard	0.12	0.11	0.14	0.11	0.06	0.03	0.03	0.03	0.07	0.05	0.08	0.14
CRMS 3985	0.62	0.24	0.19	0.55	0.56	0.41	0.35	0.21	-0.05	-0.06	0.12	0.84
CRMS 0258	0.61	0.41	0.48	0.24	0.21	0.26	0.42	0.37	0.26	0.17	0.33	0.40
CRMS 0224	0.65	0.42	0.67	0.49	0.44	0.56	0.76	0.49	0.28	0.25	0.38	0.61
CRMS 0163	0.01	0.00	0.01	0.00	0.00	0.00	-0.01	0.02	0.05	0.05	0.00	-0.01
CRMS 0162	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.12	0.09	0.00	-0.01

Figure WQ TOTN 85 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.19	1.24	0.90	0.69	0.68	0.62	0.56	0.59	0.58	0.62	0.86	0.95
CRMS0276 - Just east of Wilkinson Canal	1.52	1.66	1.70	1.66	1.56	1.34	0.96	0.77	1.18	0.97	1.35	1.68
Barataria Waterway at Lafitte (USACE82875)	1.86	1.90	1.88	1.91	1.86	1.74	1.55	1.48	1.81	1.65	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.24	0.83	0.75	0.77	0.72	0.60	0.58	0.56	0.58	0.82	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.26	1.06	0.65	0.57	0.56	0.59	0.75	0.77	0.77	0.80	1.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.23	1.02	0.76	0.63	0.58	0.56	0.56	0.62	0.61	0.76	1.01
USGS 07380335 - Little Lake Near Cutoff	1.21	1.29	1.13	0.92	0.74	0.62	0.62	0.56	0.68	0.63	0.82	1.14
USGS073802516 Barataria Pass at Grand Isle	1.13	1.22	1.02	0.80	0.70	0.61	0.59	0.54	0.62	0.60	0.73	1.02
HWQ14 - Lake Washington	1.04	1.16	0.96	0.61	0.54	0.51	0.52	0.60	0.65	0.65	0.70	0.91
HWQ16 - Bayou Grand Liard	1.28	1.33	1.34	1.21	1.09	0.90	0.79	0.62	0.77	0.64	0.88	1.28
CRMS 3985	1.17	1.33	1.17	0.65	0.56	0.58	0.66	0.98	0.95	0.92	0.82	1.07
CRMS 0258	1.33	1.42	1.17	1.08	1.07	1.07	0.84	0.68	0.68	0.73	1.18	1.35
CRMS 0224	1.20	1.31	1.01	0.95	0.86	0.76	0.61	0.56	0.66	0.64	0.87	1.15
CRMS 0163	1.87	1.92	1.87	1.93	1.97	1.90	1.67	1.72	1.90	1.77	1.86	1.84
CRMS 0162	1.88	1.87	1.92	1.89	1.85	1.87	1.95	1.64	1.38	1.29	1.75	1.89

V3PR3 HYST - cy 2 - 1985 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	2.00	2.00	2.00	2.00	1.98	1.93	1.94	1.89	1.87	1.96	1.98
CRMS0276 - Just east of Wilkinson Canal	1.65	1.69	1.69	1.62	1.49	1.29	0.97	0.82	1.22	1.03	1.38	1.69
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.89	1.91	1.86	1.74	1.56	1.53	1.85	1.71	1.86	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.92	2.08	1.90	1.93	1.93	1.62	1.39	1.36	1.17	1.35	1.84	1.88
USGS7380251 Barataria Bay North of Grand Isle	1.69	1.70	1.68	1.60	1.46	1.04	0.87	0.86	0.88	0.89	1.52	1.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.73	1.76	1.73	1.64	1.53	1.15	0.90	0.79	0.85	0.86	1.49	1.74
USGS 07380335 - Little Lake Near Cutoff	1.65	1.68	1.67	1.52	1.38	1.03	0.85	0.69	0.83	0.78	1.32	1.68
USGS073802516 Barataria Pass at Grand Isle	1.56	1.59	1.47	1.24	1.06	0.81	0.74	0.63	0.74	0.72	1.21	1.52
HWQ14 - Lake Washington	1.44	1.51	1.34	1.09	0.91	0.72	0.68	0.64	0.71	0.72	1.10	1.39
HWQ16 - Bayou Grand Liard	1.43	1.45	1.48	1.31	1.16	0.95	0.82	0.66	0.81	0.69	0.99	1.44
CRMS 3985	1.47	1.47	1.44	1.21	1.03	0.82	0.78	0.78	0.88	0.81	1.11	1.45
CRMS 0258	1.74	1.71	1.62	1.33	1.28	1.18	1.01	0.90	0.78	0.85	1.46	1.71
CRMS 0224	1.74	1.73	1.66	1.44	1.30	1.04	0.92	0.79	0.84	0.84	1.44	1.71
CRMS 0163	1.89	1.95	1.87	1.93	1.97	1.90	1.67	1.76	1.93	1.81	1.87	1.85
CRMS 0162	1.89	1.89	1.92	1.90	1.84	1.88	1.96	1.70	1.41	1.36	1.75	1.89

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.76	1.10	1.31	1.32	1.36	1.37	1.35	1.30	1.25	1.10	1.03
CRMS0276 - Just east of Wilkinson Canal	0.13	0.03	-0.01	-0.04	-0.07	-0.05	0.00	0.06	0.04	0.06	0.03	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.03	0.01	0.00	0.00	0.00	0.01	0.05	0.04	0.06	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.76	0.84	1.07	1.18	1.16	0.90	0.79	0.79	0.60	0.76	1.02	0.95
USGS7380251 Barataria Bay North of Grand Isle	0.56	0.44	0.62	0.96	0.89	0.48	0.28	0.11	0.11	0.12	0.72	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.53	0.71	0.88	0.89	0.58	0.34	0.23	0.24	0.24	0.73	0.73
USGS 07380335 - Little Lake Near Cutoff	0.44	0.39	0.54	0.60	0.64	0.40	0.23	0.13	0.15	0.15	0.50	0.54
USGS073802516 Barataria Pass at Grand Isle	0.42	0.37	0.45	0.44	0.36	0.20	0.14	0.09	0.12	0.12	0.48	0.51
HWQ14 - Lake Washington	0.40	0.35	0.39	0.49	0.37	0.20	0.15	0.04	0.06	0.07	0.40	0.48
HWQ16 - Bayou Grand Liard	0.15	0.13	0.14	0.10	0.07	0.05	0.03	0.04	0.05	0.05	0.11	0.16
CRMS 3985	0.30	0.15	0.27	0.56	0.47	0.24	0.12	-0.20	-0.06	-0.11	0.29	0.38
CRMS 0258	0.41	0.29	0.45	0.25	0.21	0.11	0.17	0.22	0.10	0.12	0.28	0.36
CRMS 0224	0.54	0.42	0.64	0.50	0.44	0.28	0.31	0.23	0.17	0.21	0.57	0.56
CRMS 0163	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.04	0.04	0.04	0.01	0.01
CRMS 0162	0.01	0.02	0.00	0.00	-0.01	0.01	0.00	0.06	0.03	0.07	0.00	0.00

Figure WQ TOTN 86 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.26	0.90	0.67	0.67	0.61	0.55	0.56	0.55	0.59	0.72	0.94
CRMS0276 - Just east of Wilkinson Canal	1.35	1.66	1.70	1.65	1.65	1.35	0.93	0.86	1.10	0.88	1.00	1.46
Barataria Waterway at Lafitte (USACE82875)	1.79	1.85	1.88	1.91	1.90	1.71	1.62	1.53	1.73	1.55	1.72	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.23	0.83	0.73	0.77	0.73	0.59	0.55	0.54	0.56	0.70	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.33	1.02	0.60	0.53	0.52	0.53	0.69	0.73	0.73	0.83	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.26	1.03	0.74	0.63	0.57	0.53	0.54	0.59	0.58	0.65	0.92
USGS 07380335 - Little Lake Near Cutoff	1.15	1.30	1.16	0.92	0.76	0.63	0.59	0.59	0.65	0.60	0.64	0.94
USGS073802516 Barataria Pass at Grand Isle	1.14	1.25	1.05	0.79	0.72	0.63	0.56	0.55	0.59	0.57	0.62	0.90
HWQ14 - Lake Washington	1.22	1.24	0.95	0.58	0.52	0.49	0.49	0.54	0.61	0.61	0.70	0.98
HWQ16 - Bayou Grand Liard	1.10	1.36	1.37	1.22	1.20	0.92	0.75	0.72	0.75	0.59	0.65	0.99
CRMS 3985	1.44	1.39	1.03	0.57	0.50	0.52	0.55	0.93	0.90	0.87	0.98	1.34
CRMS 0258	1.26	1.37	1.17	1.07	1.10	1.07	0.85	0.69	0.67	0.68	0.84	1.15
CRMS 0224	1.16	1.29	1.04	0.93	0.90	0.78	0.60	0.55	0.64	0.61	0.69	0.94
CRMS 0163	1.82	1.84	1.87	1.92	1.95	1.91	1.77	1.74	1.88	1.69	1.83	1.84
CRMS 0162	1.82	1.85	1.91	1.89	1.93	1.92	1.99	1.68	1.22	1.02	1.54	1.82

V3PR3 HYST - cy 2 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.97	1.99	2.00	2.01	1.98	1.91	1.93	1.89	1.86	1.88	1.92
CRMS0276 - Just east of Wilkinson Canal	1.46	1.66	1.68	1.61	1.57	1.33	0.95	0.91	1.14	0.95	1.05	1.47
Barataria Waterway at Lafitte (USACE82875)	1.81	1.87	1.88	1.90	1.90	1.70	1.63	1.58	1.77	1.62	1.75	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.85	1.90	1.92	1.92	1.61	1.41	1.36	1.18	1.32	1.66	1.76
USGS7380251 Barataria Bay North of Grand Isle	1.56	1.64	1.68	1.60	1.54	0.96	0.82	0.85	0.87	0.88	1.11	1.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.56	1.68	1.72	1.63	1.61	1.07	0.82	0.79	0.85	0.83	0.99	1.42
USGS 07380335 - Little Lake Near Cutoff	1.47	1.62	1.66	1.51	1.48	1.01	0.77	0.74	0.82	0.76	0.87	1.30
USGS073802516 Barataria Pass at Grand Isle	1.42	1.51	1.46	1.22	1.12	0.86	0.69	0.67	0.74	0.72	0.85	1.20
HWQ14 - Lake Washington	1.38	1.42	1.33	1.07	0.96	0.75	0.65	0.65	0.71	0.73	0.89	1.20
HWQ16 - Bayou Grand Liard	1.21	1.45	1.48	1.30	1.27	0.98	0.78	0.77	0.80	0.65	0.72	1.09
CRMS 3985	1.43	1.46	1.44	1.20	1.11	0.81	0.76	0.78	0.86	0.87	1.01	1.36
CRMS 0258	1.64	1.62	1.60	1.31	1.35	1.17	1.02	0.91	0.78	0.81	1.12	1.44
CRMS 0224	1.59	1.63	1.64	1.43	1.39	1.04	0.86	0.79	0.83	0.82	1.03	1.38
CRMS 0163	1.83	1.86	1.87	1.92	1.95	1.91	1.77	1.78	1.93	1.76	1.84	1.84
CRMS 0162	1.83	1.86	1.90	1.89	1.93	1.91	2.00	1.75	1.28	1.08	1.54	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.66	0.71	1.09	1.32	1.33	1.37	1.37	1.37	1.34	1.27	1.16	0.98
CRMS0276 - Just east of Wilkinson Canal	0.11	0.00	-0.02	-0.04	-0.08	-0.03	0.02	0.05	0.04	0.07	0.05	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.04	0.04	0.08	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.66	0.62	1.06	1.19	1.15	0.88	0.82	0.81	0.64	0.75	0.96	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.31	0.66	0.99	1.00	0.44	0.29	0.16	0.14	0.15	0.28	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.43	0.69	0.89	0.98	0.50	0.29	0.26	0.26	0.25	0.34	0.50
USGS 07380335 - Little Lake Near Cutoff	0.32	0.32	0.51	0.59	0.71	0.39	0.18	0.15	0.17	0.16	0.23	0.36
USGS073802516 Barataria Pass at Grand Isle	0.28	0.26	0.41	0.43	0.40	0.24	0.13	0.12	0.14	0.15	0.23	0.30
HWQ14 - Lake Washington	0.16	0.18	0.38	0.50	0.44	0.25	0.16	0.11	0.10	0.12	0.18	0.22
HWQ16 - Bayou Grand Liard	0.11	0.09	0.11	0.08	0.07	0.07	0.03	0.05	0.05	0.06	0.07	0.10
CRMS 3985	-0.01	0.07	0.42	0.64	0.61	0.29	0.21	-0.14	-0.04	0.00	0.03	0.02
CRMS 0258	0.38	0.25	0.43	0.24	0.26	0.10	0.17	0.22	0.11	0.13	0.28	0.29
CRMS 0224	0.44	0.34	0.60	0.50	0.49	0.26	0.26	0.24	0.18	0.21	0.34	0.44
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.05	0.06	0.02	0.00
CRMS 0162	0.00	0.01	-0.01	0.00	0.00	-0.02	0.00	0.07	0.06	0.07	0.00	0.01

Figure WQ TOTN 87 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.17	1.21	0.86	0.60	0.59	0.51	0.52	0.55	0.53	0.58	0.78	0.93
CRMS0276 - Just east of Wilkinson Canal	1.17	1.57	1.48	1.48	1.45	1.15	0.64	0.59	0.80	0.91	1.21	1.43
Barataria Waterway at Lafitte (USACE82875)	1.72	1.83	1.85	1.85	1.84	1.62	1.35	1.37	1.33	1.70	1.81	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.15	0.77	0.62	0.63	0.58	0.51	0.52	0.49	0.51	0.72	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.31	1.31	1.14	0.61	0.54	0.53	0.73	0.73	0.75	0.78	0.82	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.18	1.00	0.68	0.56	0.51	0.53	0.50	0.55	0.56	0.72	0.93
USGS 07380335 - Little Lake Near Cutoff	1.05	1.21	1.04	0.81	0.64	0.54	0.51	0.48	0.55	0.55	0.74	0.98
USGS073802516 Barataria Pass at Grand Isle	1.07	1.17	0.99	0.72	0.61	0.53	0.50	0.47	0.53	0.53	0.69	0.91
HWQ14 - Lake Washington	1.19	1.21	1.05	0.59	0.50	0.48	0.59	0.57	0.63	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.97	1.25	1.14	1.03	0.96	0.77	0.53	0.51	0.59	0.55	0.78	1.01
CRMS 3985	1.44	1.39	1.29	0.63	0.59	0.62	1.01	1.00	0.93	0.95	0.87	1.29
CRMS 0258	1.07	1.24	0.90	0.93	0.93	0.78	0.61	0.55	0.51	0.56	0.97	1.18
CRMS 0224	1.06	1.18	0.90	0.81	0.73	0.65	0.52	0.48	0.52	0.53	0.77	0.98
CRMS 0163	1.77	1.85	1.87	1.89	1.88	1.74	1.49	1.59	1.46	1.81	1.85	1.84
CRMS 0162	1.73	1.81	1.79	1.69	1.71	1.73	1.60	1.12	0.72	1.44	1.70	1.84

V3PR3 HYST - cy 2 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.90	1.95	1.97	1.89	1.92	1.90	1.94	1.94	1.87	1.82	1.83	1.88
CRMS0276 - Just east of Wilkinson Canal	1.24	1.57	1.49	1.49	1.42	1.14	0.68	0.63	0.86	0.98	1.25	1.44
Barataria Waterway at Lafitte (USACE82875)	1.73	1.84	1.88	1.86	1.85	1.64	1.41	1.41	1.44	1.76	1.81	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.70	1.80	1.73	1.41	1.61	1.06	1.20	1.22	1.05	1.21	1.50	1.65
USGS7380251 Barataria Bay North of Grand Isle	1.46	1.56	1.41	1.10	1.17	0.71	0.71	0.77	0.79	0.84	1.10	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.34	1.55	1.37	1.09	1.18	0.73	0.68	0.67	0.73	0.75	0.98	1.28
USGS 07380335 - Little Lake Near Cutoff	1.22	1.47	1.29	1.08	1.04	0.70	0.61	0.56	0.66	0.67	0.92	1.19
USGS073802516 Barataria Pass at Grand Isle	1.24	1.40	1.18	0.94	0.80	0.64	0.55	0.52	0.62	0.64	0.86	1.13
HWQ14 - Lake Washington	1.32	1.39	1.14	0.85	0.70	0.58	0.57	0.59	0.65	0.68	0.86	1.15
HWQ16 - Bayou Grand Liard	1.01	1.30	1.19	1.07	0.97	0.81	0.55	0.53	0.63	0.61	0.83	1.06
CRMS 3985	1.48	1.44	1.22	0.89	0.82	0.65	0.68	0.81	0.82	0.87	1.01	1.35
CRMS 0258	1.38	1.46	1.06	0.99	1.03	0.81	0.72	0.71	0.61	0.65	1.12	1.32
CRMS 0224	1.35	1.48	1.20	1.02	1.01	0.77	0.67	0.65	0.66	0.69	1.01	1.25
CRMS 0163	1.77	1.86	1.90	1.90	1.89	1.76	1.55	1.63	1.60	1.84	1.84	1.84
CRMS 0162	1.73	1.82	1.81	1.69	1.70	1.76	1.67	1.16	0.76	1.55	1.69	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.75	1.11	1.29	1.33	1.39	1.42	1.39	1.33	1.24	1.06	0.95
CRMS0276 - Just east of Wilkinson Canal	0.07	0.00	0.01	0.02	-0.03	-0.01	0.04	0.04	0.06	0.07	0.04	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.03	0.01	0.02	0.02	0.07	0.05	0.12	0.06	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.60	0.65	0.96	0.79	0.98	0.48	0.69	0.70	0.56	0.69	0.79	0.81
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.25	0.27	0.49	0.63	0.18	-0.02	0.05	0.04	0.06	0.28	0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.24	0.37	0.37	0.41	0.63	0.22	0.15	0.17	0.18	0.19	0.27	0.34
USGS 07380335 - Little Lake Near Cutoff	0.17	0.26	0.25	0.26	0.40	0.16	0.09	0.08	0.11	0.12	0.17	0.22
USGS073802516 Barataria Pass at Grand Isle	0.17	0.23	0.19	0.22	0.19	0.10	0.05	0.06	0.08	0.10	0.17	0.21
HWQ14 - Lake Washington	0.13	0.17	0.09	0.26	0.20	0.11	-0.02	0.02	0.02	0.05	0.14	0.19
HWQ16 - Bayou Grand Liard	0.04	0.05	0.05	0.04	0.01	0.04	0.02	0.02	0.04	0.06	0.05	0.05
CRMS 3985	0.04	0.05	-0.08	0.26	0.22	0.03	-0.33	-0.19	-0.11	-0.08	0.14	0.05
CRMS 0258	0.31	0.22	0.16	0.06	0.11	0.03	0.11	0.17	0.10	0.09	0.15	0.14
CRMS 0224	0.29	0.30	0.31	0.21	0.28	0.12	0.15	0.17	0.14	0.16	0.24	0.27
CRMS 0163	0.00	0.01	0.02	0.01	0.01	0.02	0.06	0.05	0.13	0.03	-0.01	0.00
CRMS 0162	0.00	0.01	0.02	0.00	-0.01	0.02	0.07	0.04	0.03	0.11	-0.01	0.00

Figure WQ TOTN 88 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.28	0.91	0.68	0.68	0.62	0.60	0.63	0.63	0.65	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.32	1.69	1.67	1.63	1.58	1.48	1.15	1.11	1.34	1.07	1.05	1.29
Barataria Waterway at Lafitte (USACE82875)	1.79	1.86	1.90	1.90	1.86	1.79	1.78	1.66	1.78	1.70	1.68	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	0.84	0.72	0.75	0.72	0.61	0.60	0.64	0.64	0.81	0.89
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.32	1.03	0.64	0.57	0.56	0.59	0.66	0.76	0.77	0.87	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.28	1.01	0.74	0.63	0.58	0.58	0.60	0.65	0.64	0.73	0.91
USGS 07380335 - Little Lake Near Cutoff	1.13	1.33	1.13	0.90	0.73	0.66	0.66	0.71	0.75	0.68	0.73	0.89
USGS073802516 Barataria Pass at Grand Isle	1.13	1.27	1.02	0.78	0.68	0.64	0.64	0.67	0.67	0.64	0.69	0.87
HWQ14 - Lake Washington	1.22	1.24	0.94	0.60	0.53	0.51	0.52	0.56	0.64	0.65	0.74	1.00
HWQ16 - Bayou Grand Liard	1.11	1.40	1.32	1.17	1.08	1.04	0.98	0.98	0.89	0.70	0.69	0.88
CRMS 3985	1.44	1.38	1.11	0.64	0.57	0.58	0.64	0.79	0.91	0.91	1.00	1.36
CRMS 0258	1.23	1.40	1.17	1.07	1.06	1.10	0.99	0.96	0.92	0.84	1.05	1.06
CRMS 0224	1.13	1.33	1.01	0.92	0.85	0.80	0.65	0.63	0.77	0.72	0.82	0.92
CRMS 0163	1.81	1.85	1.92	1.91	1.93	1.91	1.84	1.81	1.90	1.81	1.81	1.83
CRMS 0162	1.83	1.88	1.90	1.83	1.83	1.93	1.97	1.91	1.66	1.57	1.46	1.75

V3PR3 HYST - cy 2 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	1.99	1.99	1.99	1.98	1.94	1.90	1.88	1.91	1.90
CRMS0276 - Just east of Wilkinson Canal	1.44	1.70	1.65	1.60	1.52	1.38	1.14	1.15	1.42	1.14	1.13	1.32
Barataria Waterway at Lafitte (USACE82875)	1.80	1.88	1.90	1.89	1.86	1.79	1.76	1.66	1.85	1.75	1.71	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.83	1.87	1.92	1.90	1.90	1.90	1.88	1.57	1.17	1.32	1.71	1.74
USGS7380251 Barataria Bay North of Grand Isle	1.62	1.67	1.70	1.57	1.48	1.30	1.30	1.17	0.93	0.92	1.17	1.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.61	1.71	1.73	1.60	1.51	1.46	1.47	1.28	0.97	0.91	1.08	1.32
USGS 07380335 - Little Lake Near Cutoff	1.50	1.66	1.66	1.47	1.36	1.31	1.28	1.16	0.98	0.86	0.98	1.19
USGS073802516 Barataria Pass at Grand Isle	1.44	1.55	1.45	1.20	1.04	0.93	0.94	0.96	0.86	0.80	0.94	1.15
HWQ14 - Lake Washington	1.40	1.47	1.33	1.06	0.90	0.81	0.81	0.81	0.74	0.76	0.95	1.20
HWQ16 - Bayou Grand Liard	1.21	1.51	1.43	1.25	1.15	1.09	1.01	1.02	0.98	0.76	0.77	0.97
CRMS 3985	1.47	1.48	1.42	1.17	1.06	0.97	0.99	0.97	0.80	0.82	1.03	1.37
CRMS 0258	1.64	1.66	1.62	1.25	1.27	1.33	1.42	1.37	1.17	1.02	1.38	1.40
CRMS 0224	1.61	1.67	1.66	1.38	1.29	1.32	1.40	1.24	1.06	0.97	1.19	1.30
CRMS 0163	1.82	1.86	1.92	1.92	1.92	1.91	1.82	1.83	1.95	1.85	1.82	1.84
CRMS 0162	1.84	1.88	1.90	1.84	1.83	1.92	1.97	1.94	1.74	1.64	1.46	1.76

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.70	1.08	1.31	1.32	1.37	1.38	1.31	1.27	1.23	1.11	0.95
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	-0.02	-0.03	-0.07	-0.10	-0.01	0.03	0.08	0.06	0.08	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	0.07	0.05	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.61	1.09	1.18	1.15	1.18	1.27	0.97	0.52	0.68	0.90	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.35	0.66	0.93	0.91	0.74	0.71	0.50	0.17	0.15	0.31	0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.45	0.43	0.72	0.86	0.88	0.88	0.90	0.68	0.32	0.27	0.35	0.41
USGS 07380335 - Little Lake Near Cutoff	0.37	0.33	0.53	0.56	0.63	0.65	0.62	0.45	0.23	0.18	0.25	0.29
USGS073802516 Barataria Pass at Grand Isle	0.31	0.28	0.43	0.42	0.36	0.29	0.30	0.29	0.20	0.16	0.25	0.27
HWQ14 - Lake Washington	0.18	0.23	0.38	0.46	0.37	0.30	0.29	0.25	0.10	0.11	0.21	0.21
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.09	0.07	0.05	0.03	0.04	0.09	0.06	0.08	0.09
CRMS 3985	0.04	0.11	0.31	0.53	0.49	0.39	0.35	0.18	-0.11	-0.08	0.03	0.01
CRMS 0258	0.41	0.27	0.45	0.19	0.21	0.23	0.44	0.41	0.25	0.18	0.33	0.34
CRMS 0224	0.48	0.35	0.64	0.46	0.43	0.52	0.76	0.61	0.29	0.26	0.37	0.38
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	-0.02	0.02	0.05	0.03	0.01	0.00
CRMS 0162	0.01	0.00	0.00	0.01	0.00	-0.01	0.00	0.03	0.07	0.07	0.00	0.01

Figure WQ TOTN 89 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.88	0.97	0.84	0.66	0.65	0.61	0.59	0.61	0.60	0.63	0.76	0.85
CRMS0276 - Just east of Wilkinson Canal	1.33	1.46	1.58	1.65	1.69	1.42	1.11	1.06	1.28	1.02	0.99	1.59
Barataria Waterway at Lafitte (USACE82875)	1.81	1.85	1.84	1.89	1.86	1.80	1.73	1.63	1.75	1.64	1.70	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	0.98	0.73	0.71	0.75	0.72	0.61	0.59	0.60	0.61	0.76	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.81	1.08	1.07	0.64	0.54	0.54	0.58	0.61	0.71	0.75	0.82	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.02	0.91	0.75	0.64	0.59	0.57	0.60	0.62	0.63	0.69	0.85
USGS 07380335 - Little Lake Near Cutoff	1.01	1.08	0.98	0.92	0.79	0.67	0.65	0.71	0.72	0.66	0.68	0.95
USGS073802516 Barataria Pass at Grand Isle	0.91	1.01	0.90	0.80	0.73	0.66	0.63	0.67	0.64	0.62	0.66	0.87
HWQ14 - Lake Washington	0.74	0.97	0.94	0.61	0.52	0.51	0.52	0.53	0.60	0.64	0.72	0.77
HWQ16 - Bayou Grand Liard	1.09	1.14	1.19	1.20	1.23	1.09	0.99	0.95	0.86	0.68	0.66	1.09
CRMS 3985	0.84	1.20	1.23	0.67	0.54	0.56	0.63	0.68	0.84	0.88	0.91	0.60
CRMS 0258	1.15	1.12	1.03	1.07	1.09	1.08	0.98	0.95	0.84	0.80	0.97	1.22
CRMS 0224	1.01	1.08	0.86	0.93	0.90	0.81	0.64	0.62	0.73	0.69	0.76	0.98
CRMS 0163	1.85	1.88	1.82	1.90	1.83	1.94	1.84	1.84	1.91	1.78	1.83	1.84
CRMS 0162	1.80	1.74	1.85	1.84	1.84	1.96	2.00	1.92	1.56	1.24	1.51	1.87

V3PR3 HYST - cy 2 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	1.94	1.97	1.99	1.92	1.98	1.98	1.93	1.90	1.90	1.90	1.96
CRMS0276 - Just east of Wilkinson Canal	1.51	1.50	1.57	1.63	1.62	1.33	1.14	1.10	1.33	1.07	1.06	1.58
Barataria Waterway at Lafitte (USACE82875)	1.82	1.86	1.86	1.89	1.86	1.80	1.71	1.63	1.81	1.70	1.72	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.15	1.88	1.82	1.89	1.81	1.89	1.90	1.35	1.19	1.34	1.71	1.84
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.49	1.59	1.58	1.49	1.32	1.30	1.00	0.90	0.91	1.16	1.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.55	1.48	1.63	1.61	1.54	1.49	1.47	1.01	0.93	0.89	1.05	1.66
USGS 07380335 - Little Lake Near Cutoff	1.47	1.42	1.55	1.50	1.44	1.34	1.28	0.97	0.93	0.83	0.93	1.55
USGS073802516 Barataria Pass at Grand Isle	1.44	1.38	1.37	1.23	1.11	0.92	0.92	0.86	0.82	0.77	0.91	1.40
HWQ14 - Lake Washington	1.41	1.38	1.28	1.11	0.95	0.80	0.80	0.74	0.72	0.75	0.93	1.31
HWQ16 - Bayou Grand Liard	1.20	1.25	1.33	1.30	1.28	1.11	1.02	0.96	0.92	0.72	0.74	1.24
CRMS 3985	1.46	1.43	1.42	1.22	1.10	0.97	0.98	0.88	0.78	0.82	1.03	1.44
CRMS 0258	1.77	1.53	1.52	1.32	1.30	1.35	1.43	1.31	1.08	0.96	1.30	1.61
CRMS 0224	1.66	1.50	1.53	1.43	1.34	1.37	1.41	1.09	1.00	0.93	1.13	1.59
CRMS 0163	1.85	1.89	1.83	1.90	1.83	1.94	1.82	1.85	1.96	1.83	1.83	1.83
CRMS 0162	1.79	1.75	1.85	1.84	1.84	1.96	1.99	1.94	1.65	1.37	1.50	1.85

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.11	0.96	1.12	1.33	1.27	1.37	1.39	1.32	1.31	1.27	1.14	1.11
CRMS0276 - Just east of Wilkinson Canal	0.18	0.04	0.00	-0.02	-0.07	-0.09	0.03	0.05	0.05	0.05	0.07	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.02	0.00	0.00	0.00	-0.02	0.00	0.06	0.06	0.03	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	0.90	1.10	1.18	1.06	1.17	1.29	0.76	0.59	0.73	0.95	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.76	0.42	0.52	0.94	0.95	0.77	0.71	0.39	0.19	0.16	0.35	0.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.66	0.47	0.71	0.86	0.90	0.90	0.90	0.41	0.31	0.26	0.36	0.81
USGS 07380335 - Little Lake Near Cutoff	0.46	0.35	0.57	0.58	0.65	0.67	0.63	0.26	0.21	0.16	0.25	0.60
USGS073802516 Barataria Pass at Grand Isle	0.53	0.36	0.47	0.43	0.38	0.26	0.29	0.19	0.18	0.15	0.25	0.53
HWQ14 - Lake Washington	0.67	0.41	0.34	0.50	0.43	0.29	0.28	0.21	0.12	0.11	0.21	0.54
HWQ16 - Bayou Grand Liard	0.12	0.11	0.14	0.10	0.05	0.02	0.03	0.01	0.06	0.04	0.08	0.14
CRMS 3985	0.62	0.23	0.19	0.55	0.56	0.41	0.35	0.20	-0.06	-0.07	0.11	0.84
CRMS 0258	0.62	0.41	0.49	0.25	0.21	0.26	0.45	0.37	0.24	0.16	0.33	0.40
CRMS 0224	0.64	0.42	0.67	0.49	0.44	0.56	0.77	0.47	0.27	0.24	0.37	0.61
CRMS 0163	0.00	0.00	0.01	0.00	0.00	0.00	-0.02	0.01	0.05	0.05	0.00	-0.01
CRMS 0162	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.13	-0.01	-0.01

Figure WQ TOTN 90 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.19	1.24	0.90	0.69	0.68	0.62	0.56	0.59	0.58	0.62	0.86	0.95
CRMS0276 - Just east of Wilkinson Canal	1.52	1.66	1.70	1.66	1.56	1.34	0.96	0.77	1.18	0.97	1.35	1.68
Barataria Waterway at Lafitte (USACE82875)	1.86	1.90	1.88	1.91	1.86	1.74	1.55	1.48	1.81	1.65	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.24	0.83	0.75	0.77	0.72	0.60	0.58	0.56	0.58	0.82	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.26	1.06	0.65	0.57	0.56	0.59	0.75	0.77	0.77	0.80	1.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.23	1.02	0.76	0.63	0.58	0.56	0.56	0.62	0.61	0.76	1.01
USGS 07380335 - Little Lake Near Cutoff	1.21	1.29	1.13	0.92	0.74	0.62	0.62	0.56	0.68	0.63	0.82	1.14
USGS073802516 Barataria Pass at Grand Isle	1.13	1.22	1.02	0.80	0.70	0.61	0.59	0.54	0.62	0.60	0.73	1.02
HWQ14 - Lake Washington	1.04	1.16	0.96	0.61	0.54	0.51	0.52	0.60	0.65	0.65	0.70	0.91
HWQ16 - Bayou Grand Liard	1.28	1.33	1.34	1.21	1.09	0.90	0.79	0.62	0.77	0.64	0.88	1.28
CRMS 3985	1.17	1.33	1.17	0.65	0.56	0.58	0.66	0.98	0.95	0.92	0.82	1.07
CRMS 0258	1.33	1.42	1.17	1.08	1.07	1.07	0.84	0.68	0.68	0.73	1.18	1.35
CRMS 0224	1.20	1.31	1.01	0.95	0.86	0.76	0.61	0.56	0.66	0.64	0.87	1.15
CRMS 0163	1.87	1.92	1.87	1.93	1.97	1.90	1.67	1.72	1.90	1.77	1.86	1.84
CRMS 0162	1.88	1.87	1.92	1.89	1.85	1.87	1.95	1.64	1.38	1.29	1.75	1.89

V3PR4 HYST - cy 2 - 1985 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.01	2.00	2.00	2.00	1.98	1.92	1.94	1.89	1.87	1.97	1.99
CRMS0276 - Just east of Wilkinson Canal	1.68	1.71	1.70	1.63	1.51	1.30	0.99	0.84	1.24	1.05	1.41	1.71
Barataria Waterway at Lafitte (USACE82875)	1.88	1.94	1.89	1.91	1.86	1.75	1.57	1.55	1.86	1.72	1.88	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.96	2.17	1.94	1.97	1.98	1.68	1.35	1.29	1.17	1.36	1.89	1.93
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.75	1.74	1.70	1.58	1.08	0.87	0.86	0.89	0.88	1.55	1.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.80	1.84	1.80	1.77	1.69	1.24	0.92	0.80	0.87	0.88	1.59	1.79
USGS 07380335 - Little Lake Near Cutoff	1.74	1.76	1.75	1.69	1.57	1.12	0.89	0.71	0.85	0.80	1.42	1.75
USGS073802516 Barataria Pass at Grand Isle	1.63	1.66	1.54	1.35	1.17	0.87	0.77	0.65	0.76	0.74	1.28	1.58
HWQ14 - Lake Washington	1.49	1.56	1.41	1.19	0.99	0.76	0.70	0.66	0.73	0.73	1.14	1.42
HWQ16 - Bayou Grand Liard	1.47	1.50	1.55	1.41	1.25	0.98	0.85	0.67	0.83	0.70	1.04	1.50
CRMS 3985	1.53	1.53	1.53	1.34	1.14	0.85	0.80	0.80	0.90	0.83	1.13	1.51
CRMS 0258	1.79	1.78	1.70	1.54	1.44	1.23	1.03	0.93	0.80	0.87	1.54	1.75
CRMS 0224	1.80	1.81	1.73	1.65	1.47	1.10	0.94	0.82	0.86	0.87	1.55	1.76
CRMS 0163	1.89	1.95	1.88	1.94	1.98	1.91	1.68	1.77	1.94	1.82	1.88	1.85
CRMS 0162	1.89	1.89	1.92	1.89	1.85	1.88	1.97	1.76	1.53	1.46	1.76	1.90

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.80	0.77	1.10	1.31	1.32	1.36	1.36	1.35	1.31	1.25	1.11	1.04
CRMS0276 - Just east of Wilkinson Canal	0.16	0.05	0.00	-0.03	-0.05	-0.04	0.03	0.07	0.06	0.08	0.06	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.03	0.02	0.00	0.00	0.01	0.02	0.06	0.05	0.07	0.02	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.79	0.93	1.11	1.22	1.21	0.96	0.75	0.71	0.60	0.78	1.07	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.61	0.50	0.68	1.06	1.01	0.52	0.28	0.11	0.11	0.12	0.75	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.67	0.61	0.79	1.02	1.06	0.67	0.36	0.25	0.25	0.26	0.83	0.78
USGS 07380335 - Little Lake Near Cutoff	0.52	0.47	0.62	0.76	0.83	0.50	0.27	0.15	0.17	0.17	0.60	0.61
USGS073802516 Barataria Pass at Grand Isle	0.49	0.44	0.52	0.55	0.47	0.25	0.18	0.11	0.14	0.14	0.55	0.56
HWQ14 - Lake Washington	0.45	0.41	0.45	0.58	0.45	0.24	0.18	0.06	0.08	0.08	0.44	0.52
HWQ16 - Bayou Grand Liard	0.19	0.17	0.21	0.19	0.15	0.08	0.06	0.05	0.07	0.07	0.16	0.23
CRMS 3985	0.37	0.20	0.36	0.69	0.57	0.27	0.14	-0.18	-0.05	-0.09	0.31	0.45
CRMS 0258	0.45	0.36	0.54	0.46	0.37	0.15	0.19	0.25	0.12	0.14	0.36	0.40
CRMS 0224	0.60	0.50	0.72	0.70	0.61	0.35	0.33	0.26	0.19	0.23	0.67	0.61
CRMS 0163	0.02	0.03	0.01	0.00	0.00	0.01	0.01	0.05	0.05	0.05	0.02	0.01
CRMS 0162	0.01	0.02	0.00	0.00	-0.01	0.01	0.02	0.12	0.15	0.17	0.01	0.00

Figure WQ TOTN 91 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.26	0.90	0.67	0.67	0.61	0.55	0.56	0.55	0.59	0.72	0.94
CRMS0276 - Just east of Wilkinson Canal	1.35	1.66	1.70	1.65	1.65	1.35	0.93	0.86	1.10	0.88	1.00	1.46
Barataria Waterway at Lafitte (USACE82875)	1.79	1.85	1.88	1.91	1.90	1.71	1.62	1.53	1.73	1.55	1.72	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.23	0.83	0.73	0.77	0.73	0.59	0.55	0.54	0.56	0.70	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.33	1.02	0.60	0.53	0.52	0.53	0.69	0.73	0.73	0.83	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.26	1.03	0.74	0.63	0.57	0.53	0.54	0.59	0.58	0.65	0.92
USGS 07380335 - Little Lake Near Cutoff	1.15	1.30	1.16	0.92	0.76	0.63	0.59	0.59	0.65	0.60	0.64	0.94
USGS073802516 Barataria Pass at Grand Isle	1.14	1.25	1.05	0.79	0.72	0.63	0.56	0.55	0.59	0.57	0.62	0.90
HWQ14 - Lake Washington	1.22	1.24	0.95	0.58	0.52	0.49	0.49	0.54	0.61	0.61	0.70	0.98
HWQ16 - Bayou Grand Liard	1.10	1.36	1.37	1.22	1.20	0.92	0.75	0.72	0.75	0.59	0.65	0.99
CRMS 3985	1.44	1.39	1.03	0.57	0.50	0.52	0.55	0.93	0.90	0.87	0.98	1.34
CRMS 0258	1.26	1.37	1.17	1.07	1.10	1.07	0.85	0.69	0.67	0.68	0.84	1.15
CRMS 0224	1.16	1.29	1.04	0.93	0.90	0.78	0.60	0.55	0.64	0.61	0.69	0.94
CRMS 0163	1.82	1.84	1.87	1.92	1.95	1.91	1.77	1.74	1.88	1.69	1.83	1.84
CRMS 0162	1.82	1.85	1.91	1.89	1.93	1.92	1.99	1.68	1.22	1.02	1.54	1.82

V3PR4 HYST - cy 2 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.98	2.00	2.00	2.01	1.99	1.90	1.93	1.90	1.88	1.88	1.93
CRMS0276 - Just east of Wilkinson Canal	1.49	1.67	1.69	1.62	1.57	1.33	0.98	0.95	1.16	0.99	1.09	1.49
Barataria Waterway at Lafitte (USACE82875)	1.82	1.87	1.88	1.91	1.91	1.71	1.65	1.60	1.79	1.67	1.76	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.91	1.90	1.94	1.96	1.97	1.71	1.35	1.29	1.18	1.35	1.71	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.68	1.73	1.69	1.68	1.00	0.82	0.85	0.86	0.86	1.10	1.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.61	1.75	1.80	1.76	1.77	1.14	0.84	0.82	0.86	0.84	1.00	1.47
USGS 07380335 - Little Lake Near Cutoff	1.52	1.69	1.75	1.67	1.67	1.09	0.79	0.77	0.84	0.77	0.89	1.35
USGS073802516 Barataria Pass at Grand Isle	1.45	1.55	1.53	1.33	1.23	0.93	0.71	0.70	0.75	0.72	0.87	1.23
HWQ14 - Lake Washington	1.39	1.44	1.40	1.17	1.06	0.80	0.67	0.67	0.71	0.73	0.90	1.21
HWQ16 - Bayou Grand Liard	1.24	1.50	1.53	1.40	1.36	1.03	0.81	0.80	0.82	0.67	0.74	1.11
CRMS 3985	1.42	1.50	1.53	1.33	1.27	0.86	0.78	0.80	0.86	0.82	1.01	1.36
CRMS 0258	1.68	1.67	1.69	1.52	1.52	1.19	1.02	0.93	0.80	0.82	1.16	1.50
CRMS 0224	1.64	1.69	1.73	1.64	1.58	1.08	0.87	0.82	0.84	0.84	1.06	1.45
CRMS 0163	1.84	1.86	1.88	1.92	1.95	1.91	1.79	1.79	1.94	1.81	1.84	1.85
CRMS 0162	1.83	1.86	1.91	1.89	1.93	1.92	2.00	1.79	1.36	1.20	1.54	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.67	0.71	1.10	1.33	1.34	1.38	1.36	1.37	1.34	1.29	1.16	0.99
CRMS0276 - Just east of Wilkinson Canal	0.14	0.01	-0.01	-0.03	-0.08	-0.02	0.05	0.09	0.06	0.11	0.09	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.01	0.00	0.01	0.00	0.02	0.07	0.05	0.12	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.66	1.11	1.23	1.20	0.98	0.76	0.74	0.63	0.78	1.01	0.97
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.35	0.72	1.09	1.14	0.48	0.29	0.16	0.13	0.13	0.27	0.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.49	0.77	1.02	1.13	0.56	0.31	0.28	0.27	0.25	0.35	0.55
USGS 07380335 - Little Lake Near Cutoff	0.37	0.39	0.59	0.75	0.90	0.46	0.20	0.18	0.19	0.17	0.25	0.41
USGS073802516 Barataria Pass at Grand Isle	0.31	0.30	0.48	0.54	0.52	0.30	0.15	0.15	0.16	0.16	0.24	0.33
HWQ14 - Lake Washington	0.17	0.20	0.45	0.59	0.54	0.30	0.18	0.13	0.10	0.11	0.19	0.23
HWQ16 - Bayou Grand Liard	0.14	0.14	0.17	0.18	0.16	0.12	0.06	0.08	0.07	0.08	0.09	0.12
CRMS 3985	-0.02	0.10	0.50	0.76	0.77	0.35	0.23	-0.13	-0.04	-0.05	0.03	0.02
CRMS 0258	0.42	0.30	0.52	0.45	0.42	0.12	0.17	0.25	0.13	0.14	0.32	0.35
CRMS 0224	0.49	0.40	0.69	0.70	0.69	0.30	0.27	0.27	0.20	0.23	0.38	0.50
CRMS 0163	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.06	0.12	0.02	0.01
CRMS 0162	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.11	0.14	0.18	0.00	0.01

Figure WQ TOTN 92 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.17	1.21	0.86	0.60	0.59	0.51	0.52	0.55	0.53	0.58	0.78	0.93
CRMS0276 - Just east of Wilkinson Canal	1.17	1.57	1.48	1.48	1.45	1.15	0.64	0.59	0.80	0.91	1.21	1.43
Barataria Waterway at Lafitte (USACE82875)	1.72	1.83	1.85	1.85	1.84	1.62	1.35	1.37	1.33	1.70	1.81	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.15	0.77	0.62	0.63	0.58	0.51	0.52	0.49	0.51	0.72	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.31	1.31	1.14	0.61	0.54	0.53	0.73	0.73	0.75	0.78	0.82	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.18	1.00	0.68	0.56	0.51	0.53	0.50	0.55	0.56	0.72	0.93
USGS 07380335 - Little Lake Near Cutoff	1.05	1.21	1.04	0.81	0.64	0.54	0.51	0.48	0.55	0.55	0.74	0.98
USGS073802516 Barataria Pass at Grand Isle	1.07	1.17	0.99	0.72	0.61	0.53	0.50	0.47	0.53	0.53	0.69	0.91
HWQ14 - Lake Washington	1.19	1.21	1.05	0.59	0.50	0.48	0.59	0.57	0.63	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.97	1.25	1.14	1.03	0.96	0.77	0.53	0.51	0.59	0.55	0.78	1.01
CRMS 3985	1.44	1.39	1.29	0.63	0.59	0.62	1.01	1.00	0.93	0.95	0.87	1.29
CRMS 0258	1.07	1.24	0.90	0.93	0.93	0.78	0.61	0.55	0.51	0.56	0.97	1.18
CRMS 0224	1.06	1.18	0.90	0.81	0.73	0.65	0.52	0.48	0.52	0.53	0.77	0.98
CRMS 0163	1.77	1.85	1.87	1.89	1.88	1.74	1.49	1.59	1.46	1.81	1.85	1.84
CRMS 0162	1.73	1.81	1.79	1.69	1.71	1.73	1.60	1.12	0.72	1.44	1.70	1.84

V3PR4 HYST - cy 2 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.90	1.97	1.97	1.91	1.93	1.90	1.93	1.94	1.87	1.82	1.83	1.90
CRMS0276 - Just east of Wilkinson Canal	1.25	1.58	1.50	1.51	1.41	1.17	0.70	0.66	0.90	1.00	1.29	1.46
Barataria Waterway at Lafitte (USACE82875)	1.76	1.85	1.89	1.87	1.86	1.65	1.43	1.44	1.54	1.78	1.83	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.73	1.85	1.79	1.47	1.64	1.01	1.18	1.18	1.05	1.21	1.48	1.70
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.53	1.40	1.13	1.20	0.70	0.70	0.76	0.78	0.82	1.08	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.56	1.41	1.15	1.31	0.73	0.68	0.67	0.73	0.75	0.99	1.28
USGS 07380335 - Little Lake Near Cutoff	1.17	1.48	1.33	1.15	1.16	0.71	0.61	0.57	0.68	0.69	0.93	1.21
USGS073802516 Barataria Pass at Grand Isle	1.15	1.37	1.18	0.99	0.86	0.65	0.56	0.53	0.62	0.65	0.87	1.13
HWQ14 - Lake Washington	1.11	1.30	1.12	0.87	0.73	0.59	0.57	0.60	0.65	0.68	0.86	1.14
HWQ16 - Bayou Grand Liard	1.01	1.31	1.20	1.11	1.00	0.82	0.57	0.55	0.65	0.64	0.85	1.07
CRMS 3985	1.15	1.36	1.18	0.90	0.82	0.65	0.68	0.80	0.82	0.88	1.00	1.22
CRMS 0258	1.40	1.51	1.14	1.04	1.12	0.83	0.73	0.73	0.62	0.67	1.15	1.37
CRMS 0224	1.33	1.52	1.27	1.10	1.10	0.76	0.68	0.67	0.68	0.71	1.03	1.29
CRMS 0163	1.80	1.87	1.90	1.90	1.90	1.77	1.57	1.67	1.71	1.85	1.85	1.87
CRMS 0162	1.75	1.83	1.83	1.70	1.71	1.76	1.74	1.25	0.81	1.65	1.70	1.86

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.76	1.11	1.31	1.34	1.38	1.42	1.39	1.33	1.24	1.06	0.97
CRMS0276 - Just east of Wilkinson Canal	0.09	0.02	0.02	0.04	-0.03	0.02	0.06	0.07	0.10	0.10	0.07	0.03
Barataria Waterway at Lafitte (USACE82875)	0.04	0.02	0.04	0.02	0.03	0.03	0.08	0.07	0.21	0.08	0.03	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.62	0.70	1.02	0.84	1.01	0.43	0.67	0.66	0.56	0.69	0.76	0.86
USGS7380251 Barataria Bay North of Grand Isle	-0.09	0.22	0.26	0.52	0.66	0.17	-0.03	0.03	0.03	0.04	0.26	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.38	0.41	0.47	0.75	0.22	0.15	0.17	0.18	0.20	0.27	0.35
USGS 07380335 - Little Lake Near Cutoff	0.12	0.28	0.29	0.33	0.52	0.16	0.10	0.09	0.13	0.14	0.19	0.23
USGS073802516 Barataria Pass at Grand Isle	0.07	0.20	0.19	0.27	0.24	0.11	0.06	0.07	0.09	0.12	0.17	0.22
HWQ14 - Lake Washington	-0.08	0.08	0.07	0.28	0.23	0.11	-0.02	0.03	0.02	0.05	0.14	0.18
HWQ16 - Bayou Grand Liard	0.04	0.06	0.06	0.07	0.05	0.05	0.04	0.03	0.06	0.09	0.08	0.06
CRMS 3985	-0.29	-0.03	-0.11	0.27	0.23	0.03	-0.33	-0.20	-0.11	-0.08	0.13	-0.07
CRMS 0258	0.33	0.27	0.24	0.11	0.19	0.05	0.12	0.19	0.11	0.11	0.18	0.19
CRMS 0224	0.27	0.34	0.38	0.29	0.37	0.11	0.16	0.19	0.16	0.18	0.26	0.31
CRMS 0163	0.02	0.02	0.03	0.01	0.02	0.03	0.07	0.08	0.25	0.04	0.00	0.03
CRMS 0162	0.02	0.01	0.04	0.01	0.00	0.02	0.14	0.13	0.09	0.21	-0.01	0.02

Figure WQ TOTN 93 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.28	0.91	0.68	0.68	0.62	0.60	0.63	0.63	0.65	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.32	1.69	1.67	1.63	1.58	1.48	1.15	1.11	1.34	1.07	1.05	1.29
Barataria Waterway at Lafitte (USACE82875)	1.79	1.86	1.90	1.90	1.86	1.79	1.78	1.66	1.78	1.70	1.68	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	0.84	0.72	0.75	0.72	0.61	0.60	0.64	0.64	0.81	0.89
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.32	1.03	0.64	0.57	0.56	0.59	0.66	0.76	0.77	0.87	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.28	1.01	0.74	0.63	0.58	0.58	0.60	0.65	0.64	0.73	0.91
USGS 07380335 - Little Lake Near Cutoff	1.13	1.33	1.13	0.90	0.73	0.66	0.66	0.71	0.75	0.68	0.73	0.89
USGS073802516 Barataria Pass at Grand Isle	1.13	1.27	1.02	0.78	0.68	0.64	0.64	0.67	0.67	0.64	0.69	0.87
HWQ14 - Lake Washington	1.22	1.24	0.94	0.60	0.53	0.51	0.52	0.56	0.64	0.65	0.74	1.00
HWQ16 - Bayou Grand Liard	1.11	1.40	1.32	1.17	1.08	1.04	0.98	0.98	0.89	0.70	0.69	0.88
CRMS 3985	1.44	1.38	1.11	0.64	0.57	0.58	0.64	0.79	0.91	0.91	1.00	1.36
CRMS 0258	1.23	1.40	1.17	1.07	1.06	1.10	0.99	0.96	0.92	0.84	1.05	1.06
CRMS 0224	1.13	1.33	1.01	0.92	0.85	0.80	0.65	0.63	0.77	0.72	0.82	0.92
CRMS 0163	1.81	1.85	1.92	1.91	1.93	1.91	1.84	1.81	1.90	1.81	1.81	1.83
CRMS 0162	1.83	1.88	1.90	1.83	1.83	1.93	1.97	1.91	1.66	1.57	1.46	1.75

V3PR4 HYST - cy 2 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	1.99	2.00	2.00	1.99	1.98	1.94	1.91	1.88	1.91	1.90
CRMS0276 - Just east of Wilkinson Canal	1.48	1.71	1.67	1.61	1.51	1.39	1.23	1.21	1.46	1.16	1.16	1.34
Barataria Waterway at Lafitte (USACE82875)	1.81	1.88	1.90	1.90	1.86	1.79	1.76	1.67	1.86	1.76	1.72	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.92	1.95	1.95	1.96	1.93	1.90	1.58	1.17	1.33	1.77	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.66	1.72	1.76	1.66	1.58	1.42	1.40	1.18	0.91	0.91	1.17	1.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.69	1.78	1.81	1.73	1.67	1.63	1.61	1.35	0.96	0.91	1.10	1.34
USGS 07380335 - Little Lake Near Cutoff	1.58	1.73	1.76	1.63	1.53	1.49	1.46	1.26	0.98	0.87	1.00	1.21
USGS073802516 Barataria Pass at Grand Isle	1.50	1.60	1.53	1.32	1.15	1.03	1.03	1.03	0.87	0.81	0.96	1.17
HWQ14 - Lake Washington	1.43	1.51	1.39	1.16	0.98	0.89	0.88	0.86	0.75	0.77	0.96	1.22
HWQ16 - Bayou Grand Liard	1.25	1.56	1.49	1.35	1.23	1.16	1.06	1.06	0.99	0.77	0.79	0.98
CRMS 3985	1.51	1.54	1.50	1.29	1.18	1.08	1.07	1.00	0.81	0.83	1.04	1.38
CRMS 0258	1.69	1.71	1.74	1.47	1.41	1.45	1.54	1.39	1.20	1.05	1.42	1.44
CRMS 0224	1.68	1.73	1.77	1.58	1.46	1.49	1.56	1.27	1.04	0.98	1.22	1.35
CRMS 0163	1.83	1.86	1.92	1.92	1.93	1.91	1.83	1.83	1.96	1.86	1.82	1.84
CRMS 0162	1.85	1.88	1.90	1.84	1.83	1.93	1.97	1.94	1.75	1.72	1.48	1.79

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.71	1.08	1.32	1.32	1.37	1.39	1.31	1.28	1.23	1.11	0.96
CRMS0276 - Just east of Wilkinson Canal	0.16	0.02	0.00	-0.02	-0.07	-0.09	0.08	0.09	0.11	0.09	0.10	0.05
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.00	0.00	0.00	-0.01	-0.02	0.01	0.08	0.06	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.66	1.12	1.23	1.21	1.21	1.29	0.98	0.52	0.68	0.96	0.93
USGS7380251 Barataria Bay North of Grand Isle	0.31	0.40	0.72	1.02	1.01	0.86	0.80	0.51	0.15	0.14	0.30	0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.52	0.50	0.80	0.99	1.04	1.05	1.04	0.74	0.31	0.27	0.37	0.43
USGS 07380335 - Little Lake Near Cutoff	0.45	0.40	0.63	0.73	0.80	0.83	0.79	0.55	0.23	0.18	0.27	0.32
USGS073802516 Barataria Pass at Grand Isle	0.37	0.33	0.51	0.54	0.47	0.39	0.40	0.36	0.20	0.17	0.27	0.30
HWQ14 - Lake Washington	0.21	0.27	0.45	0.56	0.45	0.38	0.35	0.30	0.12	0.12	0.22	0.22
HWQ16 - Bayou Grand Liard	0.14	0.16	0.17	0.18	0.16	0.12	0.08	0.08	0.10	0.07	0.09	0.11
CRMS 3985	0.07	0.17	0.39	0.65	0.61	0.50	0.43	0.21	-0.10	-0.08	0.04	0.02
CRMS 0258	0.46	0.31	0.57	0.41	0.35	0.35	0.56	0.42	0.27	0.21	0.36	0.38
CRMS 0224	0.55	0.40	0.76	0.66	0.61	0.69	0.91	0.65	0.28	0.27	0.40	0.43
CRMS 0163	0.02	0.01	0.01	0.00	0.00	0.00	-0.02	0.02	0.06	0.04	0.02	0.01
CRMS 0162	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.03	0.09	0.15	0.02	0.04

Figure WQ TOTN 94 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.88	0.97	0.84	0.66	0.65	0.61	0.59	0.61	0.60	0.63	0.76	0.85
CRMS0276 - Just east of Wilkinson Canal	1.33	1.46	1.58	1.65	1.69	1.42	1.11	1.06	1.28	1.02	0.99	1.59
Barataria Waterway at Lafitte (USACE82875)	1.81	1.85	1.84	1.89	1.86	1.80	1.73	1.63	1.75	1.64	1.70	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	0.98	0.73	0.71	0.75	0.72	0.61	0.59	0.60	0.61	0.76	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.81	1.08	1.07	0.64	0.54	0.54	0.58	0.61	0.71	0.75	0.82	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.02	0.91	0.75	0.64	0.59	0.57	0.60	0.62	0.63	0.69	0.85
USGS 07380335 - Little Lake Near Cutoff	1.01	1.08	0.98	0.92	0.79	0.67	0.65	0.71	0.72	0.66	0.68	0.95
USGS073802516 Barataria Pass at Grand Isle	0.91	1.01	0.90	0.80	0.73	0.66	0.63	0.67	0.64	0.62	0.66	0.87
HWQ14 - Lake Washington	0.74	0.97	0.94	0.61	0.52	0.51	0.52	0.53	0.60	0.64	0.72	0.77
HWQ16 - Bayou Grand Liard	1.09	1.14	1.19	1.20	1.23	1.09	0.99	0.95	0.86	0.68	0.66	1.09
CRMS 3985	0.84	1.20	1.23	0.67	0.54	0.56	0.63	0.68	0.84	0.88	0.91	0.60
CRMS 0258	1.15	1.12	1.03	1.07	1.09	1.08	0.98	0.95	0.84	0.80	0.97	1.22
CRMS 0224	1.01	1.08	0.86	0.93	0.90	0.81	0.64	0.62	0.73	0.69	0.76	0.98
CRMS 0163	1.85	1.88	1.82	1.90	1.83	1.94	1.84	1.84	1.91	1.78	1.83	1.84
CRMS 0162	1.80	1.74	1.85	1.84	1.84	1.96	2.00	1.92	1.56	1.24	1.51	1.87

V3PR4 HYST - cy 2 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.01	1.95	1.97	1.99	1.93	1.99	1.99	1.93	1.90	1.90	1.91	1.97
CRMS0276 - Just east of Wilkinson Canal	1.54	1.52	1.59	1.64	1.62	1.36	1.24	1.15	1.36	1.10	1.08	1.60
Barataria Waterway at Lafitte (USACE82875)	1.83	1.87	1.86	1.90	1.86	1.80	1.71	1.65	1.82	1.72	1.73	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	2.37	2.00	1.88	1.94	1.87	1.94	1.92	1.33	1.20	1.37	1.79	1.88
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.52	1.64	1.67	1.60	1.49	1.39	0.99	0.90	0.90	1.17	1.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.61	1.53	1.70	1.74	1.68	1.67	1.62	1.04	0.94	0.90	1.08	1.72
USGS 07380335 - Little Lake Near Cutoff	1.52	1.46	1.64	1.65	1.59	1.55	1.47	1.01	0.94	0.84	0.95	1.64
USGS073802516 Barataria Pass at Grand Isle	1.48	1.41	1.42	1.35	1.22	1.03	1.04	0.91	0.84	0.79	0.93	1.46
HWQ14 - Lake Washington	1.45	1.41	1.33	1.20	1.05	0.90	0.88	0.78	0.74	0.76	0.95	1.35
HWQ16 - Bayou Grand Liard	1.23	1.27	1.39	1.39	1.36	1.19	1.08	1.01	0.95	0.74	0.75	1.30
CRMS 3985	1.48	1.45	1.47	1.34	1.24	1.13	1.06	0.91	0.80	0.83	1.03	1.48
CRMS 0258	1.84	1.59	1.59	1.51	1.45	1.50	1.54	1.31	1.10	0.99	1.35	1.67
CRMS 0224	1.73	1.56	1.61	1.60	1.52	1.55	1.55	1.07	1.00	0.95	1.17	1.66
CRMS 0163	1.86	1.89	1.83	1.90	1.84	1.94	1.82	1.86	1.96	1.84	1.84	1.84
CRMS 0162	1.80	1.77	1.86	1.85	1.85	1.96	2.00	1.95	1.71	1.42	1.53	1.85

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.13	0.98	1.13	1.33	1.28	1.37	1.40	1.32	1.31	1.27	1.14	1.12
CRMS0276 - Just east of Wilkinson Canal	0.21	0.06	0.01	-0.01	-0.07	-0.06	0.13	0.09	0.08	0.08	0.09	0.00
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.02	0.01	0.01	0.01	-0.02	0.02	0.07	0.07	0.03	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	1.02	1.15	1.23	1.12	1.22	1.31	0.74	0.60	0.76	1.02	1.02
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.44	0.57	1.03	1.06	0.95	0.81	0.38	0.18	0.16	0.35	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.71	0.51	0.79	0.99	1.04	1.08	1.05	0.44	0.31	0.27	0.39	0.87
USGS 07380335 - Little Lake Near Cutoff	0.51	0.39	0.65	0.73	0.81	0.88	0.81	0.30	0.22	0.18	0.27	0.69
USGS073802516 Barataria Pass at Grand Isle	0.58	0.40	0.52	0.55	0.49	0.37	0.41	0.24	0.20	0.17	0.27	0.59
HWQ14 - Lake Washington	0.71	0.45	0.39	0.59	0.53	0.39	0.36	0.25	0.14	0.13	0.23	0.58
HWQ16 - Bayou Grand Liard	0.14	0.13	0.20	0.19	0.13	0.10	0.09	0.06	0.09	0.07	0.09	0.21
CRMS 3985	0.64	0.25	0.24	0.67	0.70	0.57	0.44	0.23	-0.05	-0.06	0.12	0.88
CRMS 0258	0.70	0.47	0.56	0.44	0.36	0.41	0.56	0.37	0.27	0.19	0.38	0.45
CRMS 0224	0.72	0.48	0.75	0.67	0.61	0.75	0.92	0.45	0.26	0.26	0.41	0.68
CRMS 0163	0.01	0.01	0.01	0.01	0.00	0.00	-0.01	0.03	0.06	0.06	0.01	-0.01
CRMS 0162	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.03	0.15	0.18	0.01	-0.01

Figure WQ TOTN 95 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.19	1.24	0.90	0.69	0.68	0.62	0.56	0.59	0.58	0.62	0.86	0.95
CRMS0276 - Just east of Wilkinson Canal	1.52	1.66	1.70	1.66	1.56	1.34	0.96	0.77	1.18	0.97	1.35	1.68
Barataria Waterway at Lafitte (USACE82875)	1.86	1.90	1.88	1.91	1.86	1.74	1.55	1.48	1.81	1.65	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.24	0.83	0.75	0.77	0.72	0.60	0.58	0.56	0.58	0.82	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.26	1.06	0.65	0.57	0.56	0.59	0.75	0.77	0.77	0.80	1.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.23	1.02	0.76	0.63	0.58	0.56	0.56	0.62	0.61	0.76	1.01
USGS 07380335 - Little Lake Near Cutoff	1.21	1.29	1.13	0.92	0.74	0.62	0.62	0.56	0.68	0.63	0.82	1.14
USGS073802516 Barataria Pass at Grand Isle	1.13	1.22	1.02	0.80	0.70	0.61	0.59	0.54	0.62	0.60	0.73	1.02
HWQ14 - Lake Washington	1.04	1.16	0.96	0.61	0.54	0.51	0.52	0.60	0.65	0.65	0.70	0.91
HWQ16 - Bayou Grand Liard	1.28	1.33	1.34	1.21	1.09	0.90	0.79	0.62	0.77	0.64	0.88	1.28
CRMS 3985	1.17	1.33	1.17	0.65	0.56	0.58	0.66	0.98	0.95	0.92	0.82	1.07
CRMS 0258	1.33	1.42	1.17	1.08	1.07	1.07	0.84	0.68	0.68	0.73	1.18	1.35
CRMS 0224	1.20	1.31	1.01	0.95	0.86	0.76	0.61	0.56	0.66	0.64	0.87	1.15
CRMS 0163	1.87	1.92	1.87	1.93	1.97	1.90	1.67	1.72	1.90	1.77	1.86	1.84
CRMS 0162	1.88	1.87	1.92	1.89	1.85	1.87	1.95	1.64	1.38	1.29	1.75	1.89

V3PR5 HYST - cy 2 - 1985 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.01	2.00	2.00	2.00	1.98	1.92	1.94	1.88	1.86	1.97	1.99
CRMS0276 - Just east of Wilkinson Canal	1.68	1.71	1.70	1.63	1.51	1.31	0.99	0.85	1.24	1.04	1.41	1.71
Barataria Waterway at Lafitte (USACE82875)	1.88	1.94	1.89	1.91	1.86	1.75	1.57	1.55	1.86	1.72	1.87	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.95	2.14	1.94	1.96	1.97	1.69	1.38	1.33	1.16	1.35	1.88	1.92
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.76	1.74	1.71	1.59	1.10	0.88	0.86	0.88	0.89	1.56	1.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.80	1.84	1.80	1.77	1.69	1.24	0.92	0.81	0.87	0.87	1.59	1.79
USGS 07380335 - Little Lake Near Cutoff	1.74	1.76	1.75	1.68	1.56	1.12	0.88	0.72	0.85	0.79	1.41	1.74
USGS073802516 Barataria Pass at Grand Isle	1.63	1.66	1.54	1.35	1.17	0.87	0.77	0.65	0.76	0.74	1.28	1.57
HWQ14 - Lake Washington	1.50	1.57	1.42	1.19	1.00	0.76	0.71	0.67	0.72	0.73	1.14	1.43
HWQ16 - Bayou Grand Liard	1.48	1.50	1.55	1.40	1.25	0.98	0.84	0.68	0.82	0.69	1.04	1.51
CRMS 3985	1.54	1.53	1.54	1.36	1.16	0.86	0.80	0.80	0.89	0.83	1.14	1.52
CRMS 0258	1.78	1.78	1.70	1.53	1.44	1.22	1.03	0.92	0.80	0.86	1.53	1.75
CRMS 0224	1.80	1.81	1.73	1.64	1.47	1.10	0.94	0.82	0.85	0.86	1.54	1.76
CRMS 0163	1.89	1.95	1.88	1.94	1.98	1.91	1.68	1.77	1.94	1.82	1.88	1.85
CRMS 0162	1.89	1.89	1.92	1.89	1.85	1.88	1.97	1.76	1.51	1.47	1.76	1.90

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.80	0.77	1.10	1.31	1.32	1.36	1.36	1.35	1.30	1.25	1.11	1.04
CRMS0276 - Just east of Wilkinson Canal	0.16	0.05	0.00	-0.03	-0.05	-0.03	0.03	0.08	0.06	0.07	0.06	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.03	0.02	0.00	0.00	0.01	0.02	0.07	0.05	0.07	0.02	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.79	0.90	1.11	1.21	1.20	0.97	0.78	0.75	0.60	0.77	1.06	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.62	0.50	0.68	1.07	1.02	0.54	0.29	0.12	0.10	0.12	0.75	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.67	0.61	0.78	1.02	1.05	0.67	0.36	0.26	0.25	0.26	0.83	0.78
USGS 07380335 - Little Lake Near Cutoff	0.52	0.47	0.62	0.76	0.83	0.50	0.26	0.16	0.17	0.16	0.59	0.61
USGS073802516 Barataria Pass at Grand Isle	0.50	0.44	0.52	0.55	0.47	0.25	0.18	0.12	0.14	0.14	0.55	0.56
HWQ14 - Lake Washington	0.46	0.41	0.46	0.58	0.46	0.24	0.18	0.06	0.08	0.08	0.44	0.52
HWQ16 - Bayou Grand Liard	0.20	0.17	0.20	0.19	0.16	0.08	0.06	0.06	0.06	0.06	0.16	0.23
CRMS 3985	0.38	0.21	0.37	0.71	0.59	0.28	0.14	-0.18	-0.06	-0.09	0.32	0.46
CRMS 0258	0.45	0.36	0.53	0.45	0.37	0.15	0.18	0.24	0.12	0.13	0.35	0.40
CRMS 0224	0.60	0.50	0.72	0.70	0.60	0.34	0.32	0.26	0.19	0.23	0.66	0.61
CRMS 0163	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.06	0.04	0.05	0.02	0.01
CRMS 0162	0.01	0.02	0.00	0.00	-0.01	0.01	0.02	0.12	0.13	0.18	0.00	0.01

Figure WQ TOTN 96 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.26	0.90	0.67	0.67	0.61	0.55	0.56	0.55	0.59	0.72	0.94
CRMS0276 - Just east of Wilkinson Canal	1.35	1.66	1.70	1.65	1.65	1.35	0.93	0.86	1.10	0.88	1.00	1.46
Barataria Waterway at Lafitte (USACE82875)	1.79	1.85	1.88	1.91	1.90	1.71	1.62	1.53	1.73	1.55	1.72	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.23	0.83	0.73	0.77	0.73	0.59	0.55	0.54	0.56	0.70	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.33	1.02	0.60	0.53	0.52	0.53	0.69	0.73	0.73	0.83	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.26	1.03	0.74	0.63	0.57	0.53	0.54	0.59	0.58	0.65	0.92
USGS 07380335 - Little Lake Near Cutoff	1.15	1.30	1.16	0.92	0.76	0.63	0.59	0.59	0.65	0.60	0.64	0.94
USGS073802516 Barataria Pass at Grand Isle	1.14	1.25	1.05	0.79	0.72	0.63	0.56	0.55	0.59	0.57	0.62	0.90
HWQ14 - Lake Washington	1.22	1.24	0.95	0.58	0.52	0.49	0.49	0.54	0.61	0.61	0.70	0.98
HWQ16 - Bayou Grand Liard	1.10	1.36	1.37	1.22	1.20	0.92	0.75	0.72	0.75	0.59	0.65	0.99
CRMS 3985	1.44	1.39	1.03	0.57	0.50	0.52	0.55	0.93	0.90	0.87	0.98	1.34
CRMS 0258	1.26	1.37	1.17	1.07	1.10	1.07	0.85	0.69	0.67	0.68	0.84	1.15
CRMS 0224	1.16	1.29	1.04	0.93	0.90	0.78	0.60	0.55	0.64	0.61	0.69	0.94
CRMS 0163	1.82	1.84	1.87	1.92	1.95	1.91	1.77	1.74	1.88	1.69	1.83	1.84
CRMS 0162	1.82	1.85	1.91	1.89	1.93	1.92	1.99	1.68	1.22	1.02	1.54	1.82

V3PR5 HYST - cy 2 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.98	2.00	2.00	2.01	1.97	1.90	1.92	1.89	1.87	1.88	1.92
CRMS0276 - Just east of Wilkinson Canal	1.52	1.69	1.72	1.64	1.59	1.35	1.02	0.99	1.20	1.02	1.12	1.51
Barataria Waterway at Lafitte (USACE82875)	1.85	1.89	1.90	1.92	1.93	1.74	1.68	1.63	1.82	1.69	1.79	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.90	1.89	1.93	1.95	1.96	1.65	1.36	1.30	1.17	1.29	1.67	1.78
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.69	1.75	1.71	1.69	1.01	0.85	0.89	0.90	0.90	1.09	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.63	1.75	1.80	1.77	1.76	1.15	0.87	0.86	0.90	0.87	1.03	1.46
USGS 07380335 - Little Lake Near Cutoff	1.55	1.70	1.76	1.68	1.66	1.11	0.82	0.81	0.88	0.81	0.93	1.36
USGS073802516 Barataria Pass at Grand Isle	1.49	1.58	1.56	1.36	1.26	0.96	0.76	0.76	0.81	0.77	0.91	1.23
HWQ14 - Lake Washington	1.43	1.49	1.44	1.21	1.10	0.84	0.72	0.73	0.77	0.78	0.93	1.18
HWQ16 - Bayou Grand Liard	1.25	1.52	1.56	1.41	1.37	1.05	0.83	0.83	0.85	0.69	0.76	1.13
CRMS 3985	1.46	1.53	1.56	1.38	1.31	0.90	0.83	0.86	0.91	0.88	0.91	1.31
CRMS 0258	1.70	1.68	1.70	1.52	1.52	1.20	1.03	0.95	0.86	0.87	1.22	1.52
CRMS 0224	1.66	1.70	1.73	1.63	1.56	1.08	0.87	0.83	0.87	0.86	1.10	1.46
CRMS 0163	1.85	1.87	1.89	1.94	1.97	1.95	1.82	1.83	1.96	1.83	1.87	1.86
CRMS 0162	1.84	1.86	1.92	1.90	1.94	1.94	2.01	1.81	1.40	1.23	1.57	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.67	0.71	1.10	1.33	1.34	1.36	1.35	1.37	1.33	1.28	1.17	0.99
CRMS0276 - Just east of Wilkinson Canal	0.17	0.03	0.01	-0.02	-0.06	0.00	0.09	0.14	0.09	0.14	0.12	0.05
Barataria Waterway at Lafitte (USACE82875)	0.05	0.04	0.03	0.02	0.03	0.04	0.06	0.10	0.09	0.14	0.07	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.70	0.66	1.10	1.22	1.19	0.92	0.77	0.75	0.62	0.73	0.98	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.26	0.37	0.73	1.11	1.15	0.49	0.32	0.20	0.16	0.17	0.26	0.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.45	0.50	0.77	1.03	1.13	0.58	0.34	0.32	0.31	0.29	0.39	0.54
USGS 07380335 - Little Lake Near Cutoff	0.40	0.40	0.60	0.76	0.90	0.48	0.24	0.22	0.23	0.21	0.29	0.42
USGS073802516 Barataria Pass at Grand Isle	0.35	0.33	0.51	0.57	0.54	0.34	0.19	0.21	0.21	0.20	0.29	0.33
HWQ14 - Lake Washington	0.21	0.25	0.49	0.63	0.58	0.34	0.23	0.19	0.16	0.16	0.23	0.20
HWQ16 - Bayou Grand Liard	0.15	0.16	0.19	0.19	0.17	0.14	0.08	0.11	0.10	0.10	0.11	0.14
CRMS 3985	0.02	0.14	0.53	0.81	0.81	0.38	0.28	-0.06	0.01	0.01	-0.07	-0.03
CRMS 0258	0.44	0.31	0.52	0.45	0.42	0.13	0.19	0.26	0.19	0.19	0.38	0.37
CRMS 0224	0.51	0.41	0.69	0.70	0.66	0.30	0.27	0.28	0.23	0.25	0.41	0.51
CRMS 0163	0.03	0.03	0.02	0.01	0.02	0.04	0.05	0.09	0.08	0.13	0.05	0.02
CRMS 0162	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.13	0.18	0.21	0.03	0.02

Figure WQ TOTN 97 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.17	1.21	0.86	0.60	0.59	0.51	0.52	0.55	0.53	0.58	0.78	0.93
CRMS0276 - Just east of Wilkinson Canal	1.17	1.57	1.48	1.48	1.45	1.15	0.64	0.59	0.80	0.91	1.21	1.43
Barataria Waterway at Lafitte (USACE82875)	1.72	1.83	1.85	1.85	1.84	1.62	1.35	1.37	1.33	1.70	1.81	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.15	0.77	0.62	0.63	0.58	0.51	0.52	0.49	0.51	0.72	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.31	1.31	1.14	0.61	0.54	0.53	0.73	0.73	0.75	0.78	0.82	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.18	1.00	0.68	0.56	0.51	0.53	0.50	0.55	0.56	0.72	0.93
USGS 07380335 - Little Lake Near Cutoff	1.05	1.21	1.04	0.81	0.64	0.54	0.51	0.48	0.55	0.55	0.74	0.98
USGS073802516 Barataria Pass at Grand Isle	1.07	1.17	0.99	0.72	0.61	0.53	0.50	0.47	0.53	0.53	0.69	0.91
HWQ14 - Lake Washington	1.19	1.21	1.05	0.59	0.50	0.48	0.59	0.57	0.63	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.97	1.25	1.14	1.03	0.96	0.77	0.53	0.51	0.59	0.55	0.78	1.01
CRMS 3985	1.44	1.39	1.29	0.63	0.59	0.62	1.01	1.00	0.93	0.95	0.87	1.29
CRMS 0258	1.07	1.24	0.90	0.93	0.93	0.78	0.61	0.55	0.51	0.56	0.97	1.18
CRMS 0224	1.06	1.18	0.90	0.81	0.73	0.65	0.52	0.48	0.52	0.53	0.77	0.98
CRMS 0163	1.77	1.85	1.87	1.89	1.88	1.74	1.49	1.59	1.46	1.81	1.85	1.84
CRMS 0162	1.73	1.81	1.79	1.69	1.71	1.73	1.60	1.12	0.72	1.44	1.70	1.84

V3PR5 HYST - cy 2 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.90	1.97	1.97	1.91	1.92	1.89	1.93	1.93	1.88	1.81	1.83	1.90
CRMS0276 - Just east of Wilkinson Canal	1.26	1.58	1.51	1.51	1.42	1.18	0.70	0.66	0.91	1.02	1.27	1.44
Barataria Waterway at Lafitte (USACE82875)	1.76	1.85	1.89	1.87	1.86	1.65	1.43	1.43	1.53	1.78	1.83	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.72	1.84	1.78	1.46	1.64	1.02	1.21	1.21	1.05	1.19	1.49	1.67
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.54	1.40	1.13	1.22	0.71	0.70	0.77	0.78	0.82	1.08	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.56	1.41	1.15	1.31	0.74	0.69	0.68	0.73	0.76	0.99	1.28
USGS 07380335 - Little Lake Near Cutoff	1.17	1.48	1.33	1.15	1.16	0.71	0.62	0.57	0.68	0.69	0.93	1.20
USGS073802516 Barataria Pass at Grand Isle	1.14	1.37	1.19	0.99	0.85	0.65	0.56	0.53	0.63	0.65	0.87	1.13
HWQ14 - Lake Washington	1.11	1.30	1.12	0.88	0.73	0.59	0.58	0.60	0.66	0.69	0.86	1.14
HWQ16 - Bayou Grand Liard	1.00	1.31	1.20	1.11	1.00	0.84	0.57	0.55	0.65	0.64	0.84	1.08
CRMS 3985	1.15	1.36	1.19	0.90	0.84	0.65	0.68	0.81	0.83	0.87	1.00	1.22
CRMS 0258	1.40	1.51	1.14	1.04	1.10	0.83	0.73	0.73	0.62	0.68	1.15	1.30
CRMS 0224	1.32	1.52	1.27	1.10	1.08	0.76	0.68	0.67	0.68	0.71	1.03	1.27
CRMS 0163	1.80	1.87	1.90	1.90	1.89	1.77	1.57	1.66	1.71	1.85	1.85	1.87
CRMS 0162	1.75	1.83	1.82	1.70	1.73	1.78	1.73	1.26	0.81	1.62	1.70	1.86

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.76	1.11	1.31	1.34	1.38	1.42	1.38	1.34	1.24	1.05	0.97
CRMS0276 - Just east of Wilkinson Canal	0.09	0.02	0.02	0.04	-0.03	0.03	0.07	0.07	0.10	0.11	0.06	0.02
Barataria Waterway at Lafitte (USACE82875)	0.04	0.02	0.04	0.02	0.03	0.03	0.09	0.06	0.21	0.08	0.02	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.61	0.69	1.01	0.84	1.01	0.44	0.69	0.69	0.56	0.68	0.78	0.83
USGS7380251 Barataria Bay North of Grand Isle	-0.09	0.22	0.27	0.52	0.68	0.17	-0.03	0.04	0.03	0.04	0.26	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.38	0.41	0.48	0.75	0.23	0.15	0.18	0.19	0.20	0.27	0.35
USGS 07380335 - Little Lake Near Cutoff	0.12	0.27	0.29	0.33	0.52	0.17	0.10	0.10	0.13	0.14	0.18	0.23
USGS073802516 Barataria Pass at Grand Isle	0.07	0.19	0.19	0.27	0.24	0.12	0.06	0.07	0.10	0.12	0.17	0.22
HWQ14 - Lake Washington	-0.08	0.08	0.07	0.29	0.23	0.11	-0.01	0.03	0.03	0.05	0.14	0.18
HWQ16 - Bayou Grand Liard	0.03	0.06	0.06	0.07	0.05	0.06	0.04	0.03	0.07	0.09	0.06	0.07
CRMS 3985	-0.29	-0.02	-0.10	0.27	0.24	0.03	-0.33	-0.19	-0.10	-0.08	0.13	-0.07
CRMS 0258	0.32	0.27	0.24	0.11	0.18	0.05	0.12	0.18	0.10	0.12	0.18	0.12
CRMS 0224	0.26	0.34	0.37	0.29	0.35	0.12	0.16	0.18	0.16	0.18	0.26	0.29
CRMS 0163	0.02	0.02	0.03	0.02	0.01	0.03	0.08	0.07	0.25	0.04	0.00	0.03
CRMS 0162	0.02	0.01	0.03	0.01	0.02	0.05	0.13	0.14	0.08	0.18	-0.01	0.03

Figure WQ TOTN 98 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.28	0.91	0.68	0.68	0.62	0.60	0.63	0.63	0.65	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.32	1.69	1.67	1.63	1.58	1.48	1.15	1.11	1.34	1.07	1.05	1.29
Barataria Waterway at Lafitte (USACE82875)	1.79	1.86	1.90	1.90	1.86	1.79	1.78	1.66	1.78	1.70	1.68	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	0.84	0.72	0.75	0.72	0.61	0.60	0.64	0.64	0.81	0.89
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.32	1.03	0.64	0.57	0.56	0.59	0.66	0.76	0.77	0.87	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.28	1.01	0.74	0.63	0.58	0.58	0.60	0.65	0.64	0.73	0.91
USGS 07380335 - Little Lake Near Cutoff	1.13	1.33	1.13	0.90	0.73	0.66	0.66	0.71	0.75	0.68	0.73	0.89
USGS073802516 Barataria Pass at Grand Isle	1.13	1.27	1.02	0.78	0.68	0.64	0.64	0.67	0.67	0.64	0.69	0.87
HWQ14 - Lake Washington	1.22	1.24	0.94	0.60	0.53	0.51	0.52	0.56	0.64	0.65	0.74	1.00
HWQ16 - Bayou Grand Liard	1.11	1.40	1.32	1.17	1.08	1.04	0.98	0.98	0.89	0.70	0.69	0.88
CRMS 3985	1.44	1.38	1.11	0.64	0.57	0.58	0.64	0.79	0.91	0.91	1.00	1.36
CRMS 0258	1.23	1.40	1.17	1.07	1.06	1.10	0.99	0.96	0.92	0.84	1.05	1.06
CRMS 0224	1.13	1.33	1.01	0.92	0.85	0.80	0.65	0.63	0.77	0.72	0.82	0.92
CRMS 0163	1.81	1.85	1.92	1.91	1.93	1.91	1.84	1.81	1.90	1.81	1.81	1.83
CRMS 0162	1.83	1.88	1.90	1.83	1.83	1.93	1.97	1.91	1.66	1.57	1.46	1.75

V3PR5 HYST - cy 2 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	1.99	2.00	2.00	1.99	1.98	1.94	1.90	1.88	1.91	1.90
CRMS0276 - Just east of Wilkinson Canal	1.48	1.71	1.66	1.61	1.51	1.39	1.23	1.20	1.46	1.15	1.16	1.36
Barataria Waterway at Lafitte (USACE82875)	1.81	1.88	1.90	1.90	1.86	1.79	1.76	1.67	1.86	1.76	1.72	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.91	1.95	1.94	1.95	1.93	1.90	1.59	1.17	1.31	1.74	1.78
USGS7380251 Barataria Bay North of Grand Isle	1.66	1.72	1.76	1.67	1.60	1.45	1.42	1.19	0.91	0.92	1.18	1.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.69	1.78	1.81	1.73	1.66	1.63	1.61	1.34	0.96	0.92	1.10	1.35
USGS 07380335 - Little Lake Near Cutoff	1.58	1.72	1.75	1.63	1.53	1.49	1.45	1.26	0.99	0.87	1.01	1.22
USGS073802516 Barataria Pass at Grand Isle	1.50	1.60	1.53	1.32	1.14	1.03	1.03	1.03	0.88	0.81	0.96	1.18
HWQ14 - Lake Washington	1.44	1.51	1.40	1.16	0.98	0.90	0.89	0.86	0.76	0.77	0.97	1.22
HWQ16 - Bayou Grand Liard	1.25	1.56	1.49	1.34	1.23	1.17	1.07	1.06	1.01	0.77	0.79	1.00
CRMS 3985	1.51	1.55	1.52	1.30	1.19	1.10	1.08	1.02	0.81	0.83	1.05	1.38
CRMS 0258	1.69	1.71	1.74	1.47	1.40	1.46	1.54	1.39	1.20	1.05	1.42	1.44
CRMS 0224	1.68	1.73	1.77	1.57	1.45	1.48	1.54	1.26	1.05	0.99	1.22	1.35
CRMS 0163	1.83	1.86	1.93	1.92	1.93	1.91	1.83	1.83	1.96	1.86	1.83	1.84
CRMS 0162	1.85	1.89	1.90	1.84	1.83	1.92	1.97	1.95	1.77	1.72	1.49	1.79

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.71	1.08	1.32	1.32	1.37	1.39	1.31	1.27	1.23	1.11	0.96
CRMS0276 - Just east of Wilkinson Canal	0.16	0.02	0.00	-0.02	-0.07	-0.09	0.08	0.09	0.11	0.08	0.11	0.07
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.00	0.00	0.00	0.00	-0.02	0.01	0.08	0.06	0.04	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.68	0.65	1.11	1.22	1.20	1.21	1.29	0.99	0.52	0.67	0.94	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.32	0.40	0.73	1.03	1.03	0.89	0.82	0.53	0.16	0.15	0.31	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.52	0.50	0.80	0.99	1.04	1.05	1.03	0.74	0.31	0.28	0.37	0.44
USGS 07380335 - Little Lake Near Cutoff	0.45	0.39	0.63	0.73	0.80	0.83	0.79	0.54	0.24	0.19	0.27	0.33
USGS073802516 Barataria Pass at Grand Isle	0.37	0.33	0.50	0.54	0.46	0.39	0.40	0.36	0.21	0.18	0.27	0.30
HWQ14 - Lake Washington	0.22	0.27	0.46	0.56	0.45	0.39	0.36	0.31	0.12	0.13	0.22	0.23
HWQ16 - Bayou Grand Liard	0.14	0.15	0.17	0.18	0.15	0.13	0.08	0.08	0.12	0.07	0.10	0.12
CRMS 3985	0.08	0.18	0.41	0.66	0.62	0.52	0.44	0.23	-0.09	-0.07	0.04	0.02
CRMS 0258	0.46	0.31	0.57	0.40	0.35	0.36	0.56	0.42	0.27	0.21	0.37	0.39
CRMS 0224	0.55	0.40	0.75	0.65	0.60	0.67	0.90	0.64	0.28	0.27	0.40	0.44
CRMS 0163	0.02	0.01	0.01	0.00	0.00	0.00	-0.02	0.03	0.06	0.04	0.02	0.01
CRMS 0162	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.03	0.11	0.14	0.02	0.04

Figure WQ TOTN 99 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.88	0.97	0.84	0.66	0.65	0.61	0.59	0.61	0.60	0.63	0.76	0.85
CRMS0276 - Just east of Wilkinson Canal	1.33	1.46	1.58	1.65	1.69	1.42	1.11	1.06	1.28	1.02	0.99	1.59
Barataria Waterway at Lafitte (USACE82875)	1.81	1.85	1.84	1.89	1.86	1.80	1.73	1.63	1.75	1.64	1.70	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	0.98	0.73	0.71	0.75	0.72	0.61	0.59	0.60	0.61	0.76	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.81	1.08	1.07	0.64	0.54	0.54	0.58	0.61	0.71	0.75	0.82	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.02	0.91	0.75	0.64	0.59	0.57	0.60	0.62	0.63	0.69	0.85
USGS 07380335 - Little Lake Near Cutoff	1.01	1.08	0.98	0.92	0.79	0.67	0.65	0.71	0.72	0.66	0.68	0.95
USGS073802516 Barataria Pass at Grand Isle	0.91	1.01	0.90	0.80	0.73	0.66	0.63	0.67	0.64	0.62	0.66	0.87
HWQ14 - Lake Washington	0.74	0.97	0.94	0.61	0.52	0.51	0.52	0.53	0.60	0.64	0.72	0.77
HWQ16 - Bayou Grand Liard	1.09	1.14	1.19	1.20	1.23	1.09	0.99	0.95	0.86	0.68	0.66	1.09
CRMS 3985	0.84	1.20	1.23	0.67	0.54	0.56	0.63	0.68	0.84	0.88	0.91	0.60
CRMS 0258	1.15	1.12	1.03	1.07	1.09	1.08	0.98	0.95	0.84	0.80	0.97	1.22
CRMS 0224	1.01	1.08	0.86	0.93	0.90	0.81	0.64	0.62	0.73	0.69	0.76	0.98
CRMS 0163	1.85	1.88	1.82	1.90	1.83	1.94	1.84	1.84	1.91	1.78	1.83	1.84
CRMS 0162	1.80	1.74	1.85	1.84	1.84	1.96	2.00	1.92	1.56	1.24	1.51	1.87

V3PR5 HYST - cy 2 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.01	1.95	1.97	1.99	1.93	1.99	1.99	1.93	1.90	1.90	1.90	1.97
CRMS0276 - Just east of Wilkinson Canal	1.57	1.53	1.59	1.64	1.61	1.36	1.24	1.15	1.37	1.10	1.09	1.60
Barataria Waterway at Lafitte (USACE82875)	1.84	1.87	1.86	1.90	1.86	1.81	1.71	1.64	1.82	1.71	1.73	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	2.27	1.96	1.87	1.93	1.86	1.94	1.92	1.36	1.20	1.35	1.76	1.88
USGS7380251 Barataria Bay North of Grand Isle	1.62	1.52	1.64	1.68	1.62	1.51	1.40	1.00	0.90	0.91	1.17	1.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.62	1.54	1.70	1.74	1.68	1.67	1.62	1.04	0.95	0.91	1.08	1.72
USGS 07380335 - Little Lake Near Cutoff	1.54	1.48	1.63	1.65	1.59	1.54	1.46	1.01	0.94	0.85	0.96	1.64
USGS073802516 Barataria Pass at Grand Isle	1.50	1.43	1.43	1.35	1.22	1.04	1.04	0.91	0.84	0.80	0.93	1.46
HWQ14 - Lake Washington	1.46	1.42	1.33	1.21	1.05	0.91	0.89	0.79	0.75	0.77	0.96	1.36
HWQ16 - Bayou Grand Liard	1.29	1.28	1.39	1.39	1.36	1.19	1.09	1.00	0.94	0.74	0.75	1.31
CRMS 3985	1.49	1.45	1.48	1.35	1.26	1.15	1.08	0.92	0.80	0.83	1.04	1.49
CRMS 0258	1.84	1.60	1.59	1.50	1.44	1.50	1.54	1.31	1.11	0.99	1.35	1.67
CRMS 0224	1.74	1.57	1.61	1.60	1.51	1.55	1.55	1.07	1.00	0.95	1.17	1.66
CRMS 0163	1.87	1.89	1.83	1.90	1.84	1.94	1.83	1.86	1.96	1.84	1.84	1.84
CRMS 0162	1.80	1.77	1.86	1.85	1.85	1.96	2.00	1.95	1.72	1.41	1.52	1.86

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.13	0.98	1.13	1.33	1.27	1.37	1.40	1.32	1.31	1.27	1.14	1.12
CRMS0276 - Just east of Wilkinson Canal	0.25	0.07	0.01	-0.01	-0.07	-0.07	0.13	0.09	0.09	0.08	0.09	0.01
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.02	0.01	0.01	0.01	-0.02	0.01	0.07	0.07	0.03	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	0.98	1.14	1.22	1.11	1.22	1.31	0.77	0.60	0.73	0.99	1.02
USGS7380251 Barataria Bay North of Grand Isle	0.81	0.44	0.57	1.04	1.07	0.97	0.82	0.38	0.19	0.16	0.35	0.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.72	0.52	0.79	0.99	1.04	1.08	1.05	0.44	0.32	0.28	0.39	0.87
USGS 07380335 - Little Lake Near Cutoff	0.53	0.40	0.65	0.73	0.80	0.87	0.81	0.30	0.23	0.18	0.28	0.68
USGS073802516 Barataria Pass at Grand Isle	0.60	0.42	0.52	0.55	0.48	0.37	0.41	0.24	0.20	0.17	0.28	0.59
HWQ14 - Lake Washington	0.72	0.45	0.39	0.60	0.53	0.41	0.37	0.26	0.15	0.13	0.24	0.58
HWQ16 - Bayou Grand Liard	0.21	0.15	0.20	0.19	0.13	0.10	0.10	0.05	0.08	0.07	0.09	0.22
CRMS 3985	0.65	0.25	0.25	0.68	0.73	0.59	0.45	0.24	-0.04	-0.05	0.13	0.88
CRMS 0258	0.69	0.47	0.55	0.44	0.36	0.41	0.56	0.36	0.27	0.19	0.37	0.45
CRMS 0224	0.73	0.49	0.75	0.66	0.60	0.74	0.91	0.45	0.26	0.26	0.41	0.68
CRMS 0163	0.02	0.01	0.01	0.01	0.00	0.01	-0.01	0.02	0.06	0.06	0.01	-0.01
CRMS 0162	0.01	0.03	0.01	0.00	0.01	0.00	0.00	0.03	0.16	0.17	0.01	-0.01

Figure WQ TOTN 100 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.19	1.24	0.90	0.69	0.68	0.62	0.56	0.59	0.58	0.62	0.86	0.95
CRMS0276 - Just east of Wilkinson Canal	1.52	1.66	1.70	1.66	1.56	1.34	0.96	0.77	1.18	0.97	1.35	1.68
Barataria Waterway at Lafitte (USACE82875)	1.86	1.90	1.88	1.91	1.86	1.74	1.55	1.48	1.81	1.65	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.24	0.83	0.75	0.77	0.72	0.60	0.58	0.56	0.58	0.82	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.26	1.06	0.65	0.57	0.56	0.59	0.75	0.77	0.77	0.80	1.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.23	1.02	0.76	0.63	0.58	0.56	0.56	0.62	0.61	0.76	1.01
USGS 07380335 - Little Lake Near Cutoff	1.21	1.29	1.13	0.92	0.74	0.62	0.62	0.56	0.68	0.63	0.82	1.14
USGS073802516 Barataria Pass at Grand Isle	1.13	1.22	1.02	0.80	0.70	0.61	0.59	0.54	0.62	0.60	0.73	1.02
HWQ14 - Lake Washington	1.04	1.16	0.96	0.61	0.54	0.51	0.52	0.60	0.65	0.65	0.70	0.91
HWQ16 - Bayou Grand Liard	1.28	1.33	1.34	1.21	1.09	0.90	0.79	0.62	0.77	0.64	0.88	1.28
CRMS 3985	1.17	1.33	1.17	0.65	0.56	0.58	0.66	0.98	0.95	0.92	0.82	1.07
CRMS 0258	1.33	1.42	1.17	1.08	1.07	1.07	0.84	0.68	0.68	0.73	1.18	1.35
CRMS 0224	1.20	1.31	1.01	0.95	0.86	0.76	0.61	0.56	0.66	0.64	0.87	1.15
CRMS 0163	1.87	1.92	1.87	1.93	1.97	1.90	1.67	1.72	1.90	1.77	1.86	1.84
CRMS 0162	1.88	1.87	1.92	1.89	1.85	1.87	1.95	1.64	1.38	1.29	1.75	1.89

V3PR6 HYST - cy 2 - 1985 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	2.03	2.01	2.01	2.00	2.00	1.91	1.93	1.87	1.87	1.99	2.00
CRMS0276 - Just east of Wilkinson Canal	1.75	1.75	1.74	1.68	1.58	1.33	1.04	0.86	1.26	1.06	1.45	1.73
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.89	1.90	1.85	1.74	1.57	1.55	1.87	1.73	1.88	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.97	2.22	1.97	1.99	1.99	1.68	1.38	1.35	1.23	1.44	1.92	1.95
USGS7380251 Barataria Bay North of Grand Isle	1.85	1.87	1.85	1.87	1.81	1.25	0.91	0.89	0.89	0.88	1.63	1.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.90	1.95	1.90	1.91	1.89	1.45	0.99	0.86	0.91	0.94	1.77	1.87
USGS 07380335 - Little Lake Near Cutoff	1.86	1.88	1.86	1.86	1.82	1.35	0.97	0.75	0.89	0.85	1.64	1.84
USGS073802516 Barataria Pass at Grand Isle	1.73	1.78	1.67	1.54	1.38	1.00	0.85	0.69	0.79	0.77	1.44	1.65
HWQ14 - Lake Washington	1.59	1.66	1.56	1.41	1.21	0.86	0.78	0.71	0.75	0.75	1.19	1.51
HWQ16 - Bayou Grand Liard	1.60	1.59	1.67	1.60	1.44	1.06	0.90	0.69	0.85	0.72	1.16	1.63
CRMS 3985	1.69	1.67	1.69	1.62	1.45	1.01	0.88	0.84	0.90	0.76	1.17	1.65
CRMS 0258	1.84	1.89	1.78	1.81	1.65	1.28	1.04	0.94	0.81	0.86	1.67	1.77
CRMS 0224	1.87	1.92	1.82	1.86	1.73	1.24	1.00	0.86	0.88	0.89	1.70	1.81
CRMS 0163	1.89	1.95	1.87	1.94	1.97	1.90	1.69	1.77	1.95	1.83	1.89	1.85
CRMS 0162	1.89	1.88	1.91	1.88	1.84	1.89	1.98	1.77	1.52	1.51	1.76	1.89

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.79	1.11	1.31	1.32	1.38	1.35	1.34	1.29	1.25	1.13	1.05
CRMS0276 - Just east of Wilkinson Canal	0.23	0.10	0.04	0.02	0.02	-0.01	0.07	0.10	0.09	0.09	0.09	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	0.03	0.01	-0.01	-0.01	0.00	0.02	0.06	0.06	0.09	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.98	1.14	1.24	1.23	0.96	0.78	0.77	0.66	0.86	1.10	1.02
USGS7380251 Barataria Bay North of Grand Isle	0.72	0.61	0.79	1.22	1.24	0.70	0.32	0.14	0.11	0.11	0.82	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.76	0.72	0.88	1.16	1.26	0.87	0.43	0.30	0.29	0.33	1.01	0.87
USGS 07380335 - Little Lake Near Cutoff	0.64	0.59	0.73	0.94	1.09	0.73	0.35	0.19	0.21	0.21	0.82	0.70
USGS073802516 Barataria Pass at Grand Isle	0.59	0.56	0.64	0.74	0.68	0.39	0.26	0.15	0.18	0.17	0.71	0.64
HWQ14 - Lake Washington	0.55	0.50	0.61	0.80	0.67	0.35	0.25	0.11	0.10	0.11	0.49	0.61
HWQ16 - Bayou Grand Liard	0.32	0.27	0.32	0.38	0.35	0.16	0.11	0.07	0.09	0.08	0.28	0.35
CRMS 3985	0.52	0.34	0.52	0.97	0.88	0.43	0.22	-0.14	-0.05	-0.16	0.35	0.59
CRMS 0258	0.51	0.47	0.61	0.73	0.58	0.20	0.19	0.26	0.12	0.13	0.49	0.42
CRMS 0224	0.67	0.62	0.80	0.91	0.87	0.48	0.39	0.30	0.21	0.26	0.83	0.66
CRMS 0163	0.02	0.03	0.01	0.00	0.00	0.00	0.02	0.05	0.05	0.06	0.03	0.01
CRMS 0162	0.00	0.02	0.00	-0.02	-0.02	0.02	0.03	0.14	0.14	0.23	0.00	0.00

Figure WQ TOTN 101 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.26	0.90	0.67	0.67	0.61	0.55	0.56	0.55	0.59	0.72	0.94
CRMS0276 - Just east of Wilkinson Canal	1.35	1.66	1.70	1.65	1.65	1.35	0.93	0.86	1.10	0.88	1.00	1.46
Barataria Waterway at Lafitte (USACE82875)	1.79	1.85	1.88	1.91	1.90	1.71	1.62	1.53	1.73	1.55	1.72	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.23	0.83	0.73	0.77	0.73	0.59	0.55	0.54	0.56	0.70	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.33	1.02	0.60	0.53	0.52	0.53	0.69	0.73	0.73	0.83	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.26	1.03	0.74	0.63	0.57	0.53	0.54	0.59	0.58	0.65	0.92
USGS 07380335 - Little Lake Near Cutoff	1.15	1.30	1.16	0.92	0.76	0.63	0.59	0.59	0.65	0.60	0.64	0.94
USGS073802516 Barataria Pass at Grand Isle	1.14	1.25	1.05	0.79	0.72	0.63	0.56	0.55	0.59	0.57	0.62	0.90
HWQ14 - Lake Washington	1.22	1.24	0.95	0.58	0.52	0.49	0.49	0.54	0.61	0.61	0.70	0.98
HWQ16 - Bayou Grand Liard	1.10	1.36	1.37	1.22	1.20	0.92	0.75	0.72	0.75	0.59	0.65	0.99
CRMS 3985	1.44	1.39	1.03	0.57	0.50	0.52	0.55	0.93	0.90	0.87	0.98	1.34
CRMS 0258	1.26	1.37	1.17	1.07	1.10	1.07	0.85	0.69	0.67	0.68	0.84	1.15
CRMS 0224	1.16	1.29	1.04	0.93	0.90	0.78	0.60	0.55	0.64	0.61	0.69	0.94
CRMS 0163	1.82	1.84	1.87	1.92	1.95	1.91	1.77	1.74	1.88	1.69	1.83	1.84
CRMS 0162	1.82	1.85	1.91	1.89	1.93	1.92	1.99	1.68	1.22	1.02	1.54	1.82

V3PR6 HYST - cy 2 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.99	2.00	2.01	2.02	2.01	1.89	1.92	1.88	1.86	1.86	1.95
CRMS0276 - Just east of Wilkinson Canal	1.54	1.69	1.73	1.67	1.65	1.33	1.00	0.97	1.19	1.00	1.09	1.51
Barataria Waterway at Lafitte (USACE82875)	1.82	1.87	1.88	1.89	1.90	1.71	1.65	1.60	1.80	1.66	1.77	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.97	1.94	1.97	1.98	2.00	1.74	1.43	1.34	1.24	1.41	1.70	1.84
USGS7380251 Barataria Bay North of Grand Isle	1.62	1.79	1.85	1.86	1.87	1.12	0.86	0.88	0.87	0.87	1.10	1.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.69	1.85	1.90	1.91	1.93	1.29	0.92	0.88	0.91	0.88	1.04	1.56
USGS 07380335 - Little Lake Near Cutoff	1.62	1.80	1.86	1.86	1.88	1.24	0.85	0.81	0.88	0.80	0.93	1.45
USGS073802516 Barataria Pass at Grand Isle	1.51	1.63	1.66	1.53	1.49	1.05	0.76	0.74	0.79	0.75	0.90	1.28
HWQ14 - Lake Washington	1.40	1.52	1.55	1.41	1.35	0.92	0.72	0.72	0.74	0.76	0.93	1.21
HWQ16 - Bayou Grand Liard	1.30	1.60	1.66	1.59	1.56	1.12	0.82	0.82	0.85	0.68	0.74	1.16
CRMS 3985	1.44	1.61	1.69	1.62	1.60	0.97	0.81	0.83	0.86	0.84	1.02	1.29
CRMS 0258	1.72	1.73	1.78	1.80	1.76	1.17	0.99	0.92	0.79	0.79	1.13	1.53
CRMS 0224	1.72	1.77	1.82	1.85	1.83	1.19	0.92	0.87	0.87	0.85	1.08	1.52
CRMS 0163	1.84	1.87	1.87	1.92	1.95	1.92	1.79	1.80	1.94	1.81	1.85	1.86
CRMS 0162	1.83	1.86	1.90	1.88	1.92	1.92	2.00	1.82	1.41	1.26	1.55	1.85

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.73	1.11	1.33	1.34	1.40	1.35	1.37	1.33	1.27	1.14	1.01
CRMS0276 - Just east of Wilkinson Canal	0.19	0.03	0.03	0.02	0.00	-0.02	0.07	0.11	0.09	0.12	0.09	0.05
Barataria Waterway at Lafitte (USACE82875)	0.03	0.02	0.00	-0.01	0.00	0.01	0.03	0.07	0.07	0.12	0.05	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	0.70	1.13	1.25	1.22	1.01	0.84	0.79	0.70	0.85	1.00	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.46	0.83	1.26	1.34	0.61	0.33	0.20	0.14	0.14	0.27	0.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.52	0.59	0.86	1.17	1.29	0.72	0.39	0.34	0.32	0.30	0.39	0.64
USGS 07380335 - Little Lake Near Cutoff	0.48	0.50	0.70	0.94	1.11	0.62	0.26	0.22	0.23	0.20	0.29	0.51
USGS073802516 Barataria Pass at Grand Isle	0.37	0.38	0.61	0.74	0.77	0.43	0.20	0.19	0.20	0.18	0.27	0.38
HWQ14 - Lake Washington	0.17	0.28	0.60	0.83	0.83	0.43	0.23	0.17	0.13	0.15	0.22	0.23
HWQ16 - Bayou Grand Liard	0.20	0.24	0.29	0.38	0.36	0.21	0.08	0.10	0.10	0.09	0.09	0.17
CRMS 3985	0.00	0.22	0.66	1.05	1.10	0.45	0.27	-0.10	-0.05	-0.03	0.04	-0.05
CRMS 0258	0.46	0.36	0.60	0.73	0.66	0.10	0.14	0.24	0.12	0.11	0.29	0.39
CRMS 0224	0.57	0.48	0.78	0.91	0.93	0.41	0.32	0.32	0.23	0.24	0.39	0.58
CRMS 0163	0.02	0.02	0.00	0.00	0.00	0.01	0.02	0.06	0.06	0.11	0.02	0.02
CRMS 0162	0.01	0.01	-0.01	0.00	-0.01	-0.01	0.00	0.14	0.19	0.25	0.01	0.02

Figure WQ TOTN 102 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.17	1.21	0.86	0.60	0.59	0.51	0.52	0.55	0.53	0.58	0.78	0.93
CRMS0276 - Just east of Wilkinson Canal	1.17	1.57	1.48	1.48	1.45	1.15	0.64	0.59	0.80	0.91	1.21	1.43
Barataria Waterway at Lafitte (USACE82875)	1.72	1.83	1.85	1.85	1.84	1.62	1.35	1.37	1.33	1.70	1.81	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.15	0.77	0.62	0.63	0.58	0.51	0.52	0.49	0.51	0.72	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.31	1.31	1.14	0.61	0.54	0.53	0.73	0.73	0.75	0.78	0.82	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.18	1.00	0.68	0.56	0.51	0.53	0.50	0.55	0.56	0.72	0.93
USGS 07380335 - Little Lake Near Cutoff	1.05	1.21	1.04	0.81	0.64	0.54	0.51	0.48	0.55	0.55	0.74	0.98
USGS073802516 Barataria Pass at Grand Isle	1.07	1.17	0.99	0.72	0.61	0.53	0.50	0.47	0.53	0.53	0.69	0.91
HWQ14 - Lake Washington	1.19	1.21	1.05	0.59	0.50	0.48	0.59	0.57	0.63	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.97	1.25	1.14	1.03	0.96	0.77	0.53	0.51	0.59	0.55	0.78	1.01
CRMS 3985	1.44	1.39	1.29	0.63	0.59	0.62	1.01	1.00	0.93	0.95	0.87	1.29
CRMS 0258	1.07	1.24	0.90	0.93	0.93	0.78	0.61	0.55	0.51	0.56	0.97	1.18
CRMS 0224	1.06	1.18	0.90	0.81	0.73	0.65	0.52	0.48	0.52	0.53	0.77	0.98
CRMS 0163	1.77	1.85	1.87	1.89	1.88	1.74	1.49	1.59	1.46	1.81	1.85	1.84
CRMS 0162	1.73	1.81	1.79	1.69	1.71	1.73	1.60	1.12	0.72	1.44	1.70	1.84

V3PR6 HYST - cy 2 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.88	1.98	1.98	1.93	1.94	1.89	1.91	1.93	1.86	1.80	1.80	1.90
CRMS0276 - Just east of Wilkinson Canal	1.26	1.60	1.50	1.54	1.39	1.18	0.71	0.66	0.93	1.03	1.28	1.45
Barataria Waterway at Lafitte (USACE82875)	1.76	1.85	1.89	1.87	1.86	1.65	1.43	1.43	1.56	1.80	1.83	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.73	1.89	1.86	1.56	1.69	0.95	1.13	1.15	1.05	1.24	1.48	1.67
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.60	1.48	1.21	1.35	0.71	0.70	0.74	0.78	0.79	1.03	1.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.69	1.53	1.28	1.54	0.76	0.70	0.68	0.74	0.77	0.99	1.29
USGS 07380335 - Little Lake Near Cutoff	1.18	1.60	1.46	1.28	1.44	0.73	0.63	0.57	0.70	0.70	0.94	1.21
USGS073802516 Barataria Pass at Grand Isle	1.15	1.44	1.28	1.10	1.01	0.69	0.57	0.53	0.64	0.66	0.87	1.13
HWQ14 - Lake Washington	1.11	1.34	1.18	0.98	0.83	0.62	0.59	0.59	0.66	0.69	0.86	1.12
HWQ16 - Bayou Grand Liard	1.01	1.36	1.24	1.19	1.10	0.85	0.58	0.55	0.67	0.66	0.85	1.07
CRMS 3985	1.14	1.42	1.25	0.99	0.98	0.67	0.69	0.74	0.83	0.86	0.99	1.20
CRMS 0258	1.40	1.60	1.29	1.16	1.22	0.81	0.72	0.71	0.60	0.64	1.10	1.33
CRMS 0224	1.33	1.63	1.42	1.25	1.27	0.76	0.69	0.67	0.68	0.70	1.00	1.29
CRMS 0163	1.80	1.87	1.90	1.90	1.90	1.77	1.57	1.66	1.75	1.86	1.85	1.87
CRMS 0162	1.76	1.82	1.82	1.70	1.71	1.78	1.77	1.29	0.83	1.66	1.70	1.86

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.77	1.12	1.33	1.35	1.37	1.39	1.38	1.33	1.23	1.02	0.97
CRMS0276 - Just east of Wilkinson Canal	0.09	0.03	0.02	0.07	-0.05	0.03	0.07	0.07	0.13	0.12	0.07	0.02
Barataria Waterway at Lafitte (USACE82875)	0.05	0.02	0.04	0.02	0.02	0.03	0.09	0.06	0.24	0.10	0.03	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.74	1.09	0.93	1.05	0.37	0.61	0.63	0.56	0.72	0.76	0.83
USGS7380251 Barataria Bay North of Grand Isle	-0.11	0.29	0.34	0.60	0.81	0.17	-0.03	0.01	0.03	0.01	0.21	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.50	0.53	0.60	0.98	0.25	0.17	0.18	0.19	0.21	0.27	0.36
USGS 07380335 - Little Lake Near Cutoff	0.13	0.40	0.42	0.47	0.80	0.19	0.11	0.10	0.15	0.15	0.19	0.24
USGS073802516 Barataria Pass at Grand Isle	0.08	0.27	0.28	0.38	0.40	0.15	0.07	0.06	0.11	0.12	0.17	0.22
HWQ14 - Lake Washington	-0.08	0.13	0.13	0.38	0.32	0.14	0.00	0.02	0.03	0.05	0.14	0.17
HWQ16 - Bayou Grand Liard	0.04	0.11	0.11	0.16	0.14	0.08	0.04	0.03	0.08	0.10	0.07	0.06
CRMS 3985	-0.30	0.03	-0.04	0.36	0.39	0.05	-0.32	-0.25	-0.10	-0.09	0.12	-0.09
CRMS 0258	0.33	0.36	0.39	0.23	0.30	0.03	0.11	0.16	0.08	0.08	0.13	0.15
CRMS 0224	0.28	0.45	0.53	0.44	0.54	0.11	0.17	0.19	0.16	0.17	0.23	0.31
CRMS 0163	0.03	0.02	0.03	0.01	0.02	0.03	0.07	0.08	0.29	0.05	0.00	0.03
CRMS 0162	0.02	0.01	0.03	0.01	0.00	0.05	0.16	0.17	0.11	0.22	0.00	0.03

Figure WQ TOTN 103 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.28	0.91	0.68	0.68	0.62	0.60	0.63	0.63	0.65	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.32	1.69	1.67	1.63	1.58	1.48	1.15	1.11	1.34	1.07	1.05	1.29
Barataria Waterway at Lafitte (USACE82875)	1.79	1.86	1.90	1.90	1.86	1.79	1.78	1.66	1.78	1.70	1.68	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	0.84	0.72	0.75	0.72	0.61	0.60	0.64	0.64	0.81	0.89
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.32	1.03	0.64	0.57	0.56	0.59	0.66	0.76	0.77	0.87	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.28	1.01	0.74	0.63	0.58	0.58	0.60	0.65	0.64	0.73	0.91
USGS 07380335 - Little Lake Near Cutoff	1.13	1.33	1.13	0.90	0.73	0.66	0.66	0.71	0.75	0.68	0.73	0.89
USGS073802516 Barataria Pass at Grand Isle	1.13	1.27	1.02	0.78	0.68	0.64	0.64	0.67	0.67	0.64	0.69	0.87
HWQ14 - Lake Washington	1.22	1.24	0.94	0.60	0.53	0.51	0.52	0.56	0.64	0.65	0.74	1.00
HWQ16 - Bayou Grand Liard	1.11	1.40	1.32	1.17	1.08	1.04	0.98	0.98	0.89	0.70	0.69	0.88
CRMS 3985	1.44	1.38	1.11	0.64	0.57	0.58	0.64	0.79	0.91	0.91	1.00	1.36
CRMS 0258	1.23	1.40	1.17	1.07	1.06	1.10	0.99	0.96	0.92	0.84	1.05	1.06
CRMS 0224	1.13	1.33	1.01	0.92	0.85	0.80	0.65	0.63	0.77	0.72	0.82	0.92
CRMS 0163	1.81	1.85	1.92	1.91	1.93	1.91	1.84	1.81	1.90	1.81	1.81	1.83
CRMS 0162	1.83	1.88	1.90	1.83	1.83	1.93	1.97	1.91	1.66	1.57	1.46	1.75

V3PR6 HYST - cy 2 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.93	1.89	1.85	1.90	1.90
CRMS0276 - Just east of Wilkinson Canal	1.57	1.72	1.73	1.65	1.57	1.50	1.48	1.38	1.48	1.17	1.18	1.36
Barataria Waterway at Lafitte (USACE82875)	1.80	1.88	1.90	1.88	1.85	1.76	1.72	1.65	1.87	1.77	1.73	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.91	1.95	1.97	1.98	1.99	1.97	1.94	1.60	1.17	1.37	1.75	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.74	1.82	1.86	1.82	1.78	1.72	1.66	1.29	0.90	0.91	1.17	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.80	1.87	1.91	1.88	1.86	1.85	1.83	1.49	0.97	0.94	1.13	1.39
USGS 07380335 - Little Lake Near Cutoff	1.73	1.83	1.88	1.83	1.78	1.76	1.73	1.47	0.99	0.88	1.04	1.26
USGS073802516 Barataria Pass at Grand Isle	1.60	1.68	1.67	1.50	1.36	1.27	1.28	1.19	0.90	0.83	0.98	1.20
HWQ14 - Lake Washington	1.50	1.59	1.54	1.36	1.22	1.15	1.11	1.00	0.79	0.80	0.99	1.25
HWQ16 - Bayou Grand Liard	1.39	1.66	1.62	1.54	1.41	1.34	1.22	1.17	1.02	0.79	0.81	1.01
CRMS 3985	1.60	1.67	1.69	1.56	1.46	1.40	1.34	1.17	0.85	0.85	1.05	1.39
CRMS 0258	1.73	1.75	1.85	1.76	1.62	1.63	1.67	1.43	1.17	1.03	1.42	1.50
CRMS 0224	1.75	1.79	1.88	1.81	1.71	1.72	1.74	1.39	1.00	0.96	1.22	1.40
CRMS 0163	1.82	1.86	1.92	1.91	1.92	1.90	1.80	1.83	1.96	1.86	1.84	1.84
CRMS 0162	1.84	1.88	1.89	1.83	1.83	1.92	1.97	1.95	1.78	1.77	1.50	1.80

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.72	1.09	1.32	1.33	1.38	1.40	1.31	1.26	1.20	1.10	0.96
CRMS0276 - Just east of Wilkinson Canal	0.25	0.03	0.07	0.02	-0.02	0.01	0.33	0.26	0.13	0.10	0.13	0.07
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.01	-0.01	-0.03	-0.06	-0.01	0.09	0.07	0.05	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.69	1.13	1.26	1.24	1.25	1.33	1.00	0.53	0.72	0.94	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.40	0.50	0.83	1.19	1.21	1.16	1.07	0.63	0.15	0.14	0.30	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.64	0.59	0.90	1.14	1.23	1.27	1.26	0.89	0.32	0.29	0.40	0.48
USGS 07380335 - Little Lake Near Cutoff	0.60	0.50	0.75	0.92	1.05	1.11	1.07	0.76	0.25	0.20	0.30	0.37
USGS073802516 Barataria Pass at Grand Isle	0.47	0.41	0.64	0.72	0.68	0.63	0.64	0.52	0.23	0.19	0.29	0.33
HWQ14 - Lake Washington	0.27	0.35	0.60	0.77	0.68	0.64	0.58	0.45	0.16	0.15	0.25	0.25
HWQ16 - Bayou Grand Liard	0.28	0.26	0.30	0.37	0.33	0.29	0.24	0.18	0.13	0.08	0.11	0.13
CRMS 3985	0.16	0.29	0.58	0.92	0.89	0.82	0.70	0.38	-0.06	-0.05	0.05	0.03
CRMS 0258	0.51	0.36	0.68	0.69	0.56	0.53	0.68	0.46	0.25	0.19	0.36	0.45
CRMS 0224	0.62	0.46	0.87	0.89	0.86	0.92	1.09	0.76	0.23	0.24	0.40	0.49
CRMS 0163	0.02	0.01	0.00	0.00	0.00	-0.01	-0.04	0.03	0.06	0.05	0.03	0.01
CRMS 0162	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.03	0.11	0.20	0.04	0.04

Figure WQ TOTN 104 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.88	0.97	0.84	0.66	0.65	0.61	0.59	0.61	0.60	0.63	0.76	0.85
CRMS0276 - Just east of Wilkinson Canal	1.33	1.46	1.58	1.65	1.69	1.42	1.11	1.06	1.28	1.02	0.99	1.59
Barataria Waterway at Lafitte (USACE82875)	1.81	1.85	1.84	1.89	1.86	1.80	1.73	1.63	1.75	1.64	1.70	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	0.98	0.73	0.71	0.75	0.72	0.61	0.59	0.60	0.61	0.76	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.81	1.08	1.07	0.64	0.54	0.54	0.58	0.61	0.71	0.75	0.82	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.02	0.91	0.75	0.64	0.59	0.57	0.60	0.62	0.63	0.69	0.85
USGS 07380335 - Little Lake Near Cutoff	1.01	1.08	0.98	0.92	0.79	0.67	0.65	0.71	0.72	0.66	0.68	0.95
USGS073802516 Barataria Pass at Grand Isle	0.91	1.01	0.90	0.80	0.73	0.66	0.63	0.67	0.64	0.62	0.66	0.87
HWQ14 - Lake Washington	0.74	0.97	0.94	0.61	0.52	0.51	0.52	0.53	0.60	0.64	0.72	0.77
HWQ16 - Bayou Grand Liard	1.09	1.14	1.19	1.20	1.23	1.09	0.99	0.95	0.86	0.68	0.66	1.09
CRMS 3985	0.84	1.20	1.23	0.67	0.54	0.56	0.63	0.68	0.84	0.88	0.91	0.60
CRMS 0258	1.15	1.12	1.03	1.07	1.09	1.08	0.98	0.95	0.84	0.80	0.97	1.22
CRMS 0224	1.01	1.08	0.86	0.93	0.90	0.81	0.64	0.62	0.73	0.69	0.76	0.98
CRMS 0163	1.85	1.88	1.82	1.90	1.83	1.94	1.84	1.84	1.91	1.78	1.83	1.84
CRMS 0162	1.80	1.74	1.85	1.84	1.84	1.96	2.00	1.92	1.56	1.24	1.51	1.87

V3PR6 HYST - cy 2 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	1.97	1.98	2.00	1.94	1.99	2.00	1.91	1.90	1.87	1.89	1.99
CRMS0276 - Just east of Wilkinson Canal	1.61	1.54	1.63	1.69	1.63	1.50	1.49	1.22	1.39	1.11	1.09	1.63
Barataria Waterway at Lafitte (USACE82875)	1.84	1.87	1.86	1.89	1.87	1.78	1.67	1.65	1.84	1.71	1.74	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	2.49	2.09	1.92	1.96	1.90	1.97	1.96	1.36	1.24	1.41	1.77	1.92
USGS7380251 Barataria Bay North of Grand Isle	1.74	1.59	1.75	1.83	1.77	1.78	1.66	1.01	0.90	0.90	1.17	1.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.75	1.63	1.80	1.88	1.82	1.88	1.84	1.13	0.98	0.94	1.12	1.83
USGS 07380335 - Little Lake Near Cutoff	1.64	1.56	1.75	1.83	1.78	1.81	1.74	1.13	0.98	0.87	1.00	1.77
USGS073802516 Barataria Pass at Grand Isle	1.59	1.50	1.54	1.52	1.46	1.33	1.28	1.02	0.88	0.82	0.96	1.56
HWQ14 - Lake Washington	1.53	1.48	1.44	1.41	1.33	1.20	1.11	0.89	0.79	0.80	0.98	1.44
HWQ16 - Bayou Grand Liard	1.31	1.31	1.50	1.57	1.53	1.37	1.24	1.06	0.96	0.75	0.77	1.42
CRMS 3985	1.53	1.48	1.58	1.59	1.54	1.47	1.35	0.99	0.81	0.83	1.04	1.58
CRMS 0258	1.99	1.71	1.67	1.76	1.66	1.68	1.67	1.24	1.05	0.97	1.34	1.72
CRMS 0224	1.90	1.68	1.71	1.81	1.72	1.78	1.75	1.07	0.98	0.94	1.18	1.74
CRMS 0163	1.87	1.89	1.84	1.90	1.83	1.93	1.80	1.87	1.98	1.84	1.84	1.84
CRMS 0162	1.80	1.77	1.84	1.83	1.84	1.96	2.00	1.96	1.74	1.47	1.53	1.86

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.18	1.00	1.14	1.34	1.28	1.38	1.40	1.30	1.30	1.24	1.13	1.14
CRMS0276 - Just east of Wilkinson Canal	0.28	0.08	0.05	0.05	-0.06	0.08	0.38	0.16	0.11	0.09	0.10	0.04
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.01	0.00	0.01	-0.01	-0.06	0.03	0.09	0.07	0.04	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.55	1.11	1.19	1.25	1.16	1.25	1.35	0.77	0.63	0.80	1.01	1.06
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.51	0.68	1.19	1.23	1.24	1.08	0.39	0.19	0.16	0.35	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	0.61	0.89	1.13	1.18	1.29	1.27	0.54	0.36	0.31	0.44	0.98
USGS 07380335 - Little Lake Near Cutoff	0.63	0.48	0.77	0.91	0.99	1.14	1.09	0.41	0.26	0.21	0.32	0.82
USGS073802516 Barataria Pass at Grand Isle	0.68	0.49	0.63	0.73	0.73	0.66	0.64	0.35	0.24	0.20	0.30	0.69
HWQ14 - Lake Washington	0.79	0.51	0.50	0.80	0.81	0.69	0.59	0.36	0.19	0.16	0.26	0.67
HWQ16 - Bayou Grand Liard	0.22	0.17	0.31	0.37	0.30	0.28	0.25	0.11	0.10	0.08	0.11	0.33
CRMS 3985	0.69	0.28	0.35	0.92	1.00	0.91	0.73	0.32	-0.03	-0.05	0.12	0.98
CRMS 0258	0.84	0.59	0.64	0.69	0.58	0.60	0.69	0.29	0.21	0.18	0.37	0.50
CRMS 0224	0.89	0.60	0.85	0.87	0.82	0.97	1.11	0.46	0.25	0.25	0.43	0.76
CRMS 0163	0.01	0.00	0.01	0.01	0.00	0.00	-0.03	0.04	0.07	0.06	0.01	0.00
CRMS 0162	0.00	0.03	-0.01	-0.01	0.00	0.00	0.00	0.03	0.18	0.23	0.02	-0.01

Figure WQ TOTN 105 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.19	1.24	0.90	0.69	0.68	0.62	0.56	0.59	0.58	0.62	0.86	0.95
CRMS0276 - Just east of Wilkinson Canal	1.52	1.66	1.70	1.66	1.56	1.34	0.96	0.77	1.18	0.97	1.35	1.68
Barataria Waterway at Lafitte (USACE82875)	1.86	1.90	1.88	1.91	1.86	1.74	1.55	1.48	1.81	1.65	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.24	0.83	0.75	0.77	0.72	0.60	0.58	0.56	0.58	0.82	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.26	1.06	0.65	0.57	0.56	0.59	0.75	0.77	0.77	0.80	1.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.23	1.02	0.76	0.63	0.58	0.56	0.56	0.62	0.61	0.76	1.01
USGS 07380335 - Little Lake Near Cutoff	1.21	1.29	1.13	0.92	0.74	0.62	0.62	0.56	0.68	0.63	0.82	1.14
USGS073802516 Barataria Pass at Grand Isle	1.13	1.22	1.02	0.80	0.70	0.61	0.59	0.54	0.62	0.60	0.73	1.02
HWQ14 - Lake Washington	1.04	1.16	0.96	0.61	0.54	0.51	0.52	0.60	0.65	0.65	0.70	0.91
HWQ16 - Bayou Grand Liard	1.28	1.33	1.34	1.21	1.09	0.90	0.79	0.62	0.77	0.64	0.88	1.28
CRMS 3985	1.17	1.33	1.17	0.65	0.56	0.58	0.66	0.98	0.95	0.92	0.82	1.07
CRMS 0258	1.33	1.42	1.17	1.08	1.07	1.07	0.84	0.68	0.68	0.73	1.18	1.35
CRMS 0224	1.20	1.31	1.01	0.95	0.86	0.76	0.61	0.56	0.66	0.64	0.87	1.15
CRMS 0163	1.87	1.92	1.87	1.93	1.97	1.90	1.67	1.72	1.90	1.77	1.86	1.84
CRMS 0162	1.88	1.87	1.92	1.89	1.85	1.87	1.95	1.64	1.38	1.29	1.75	1.89

V3PR7 HYST - cy 2 - 1985 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	2.03	2.01	2.01	2.00	2.00	1.90	1.92	1.86	1.84	1.98	2.00
CRMS0276 - Just east of Wilkinson Canal	1.75	1.75	1.74	1.68	1.59	1.33	1.04	0.87	1.26	1.05	1.44	1.73
Barataria Waterway at Lafitte (USACE82875)	1.87	1.93	1.89	1.90	1.84	1.74	1.56	1.54	1.87	1.71	1.87	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	1.97	2.24	1.96	1.98	1.98	1.67	1.36	1.31	1.14	1.33	1.90	1.94
USGS7380251 Barataria Bay North of Grand Isle	1.85	1.87	1.85	1.87	1.81	1.25	0.91	0.88	0.89	0.90	1.64	1.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.90	1.95	1.90	1.91	1.90	1.45	0.99	0.86	0.91	0.94	1.77	1.88
USGS 07380335 - Little Lake Near Cutoff	1.86	1.88	1.86	1.87	1.83	1.35	0.97	0.75	0.89	0.84	1.64	1.84
USGS073802516 Barataria Pass at Grand Isle	1.73	1.78	1.67	1.54	1.38	1.00	0.85	0.69	0.79	0.77	1.45	1.67
HWQ14 - Lake Washington	1.60	1.66	1.57	1.41	1.21	0.86	0.77	0.71	0.75	0.76	1.24	1.54
HWQ16 - Bayou Grand Liard	1.61	1.59	1.67	1.60	1.44	1.06	0.90	0.70	0.86	0.71	1.15	1.63
CRMS 3985	1.69	1.67	1.69	1.62	1.44	1.01	0.87	0.84	0.89	0.84	1.25	1.67
CRMS 0258	1.84	1.88	1.78	1.80	1.65	1.28	1.04	0.94	0.80	0.86	1.66	1.77
CRMS 0224	1.87	1.92	1.82	1.86	1.73	1.24	1.00	0.86	0.88	0.89	1.70	1.81
CRMS 0163	1.89	1.95	1.87	1.94	1.97	1.90	1.69	1.77	1.95	1.82	1.88	1.85
CRMS 0162	1.89	1.88	1.92	1.88	1.84	1.88	1.98	1.80	1.54	1.51	1.75	1.89

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.79	1.11	1.31	1.32	1.38	1.34	1.33	1.28	1.22	1.13	1.05
CRMS0276 - Just east of Wilkinson Canal	0.23	0.10	0.04	0.02	0.03	-0.01	0.07	0.10	0.09	0.09	0.08	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	0.03	0.01	-0.01	-0.02	0.00	0.01	0.06	0.05	0.07	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	1.00	1.13	1.23	1.22	0.95	0.76	0.73	0.57	0.75	1.08	1.01
USGS7380251 Barataria Bay North of Grand Isle	0.72	0.61	0.79	1.22	1.24	0.69	0.32	0.13	0.11	0.13	0.84	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.76	0.72	0.89	1.16	1.26	0.87	0.43	0.30	0.29	0.33	1.01	0.87
USGS 07380335 - Little Lake Near Cutoff	0.65	0.60	0.73	0.94	1.09	0.73	0.35	0.19	0.20	0.21	0.82	0.70
USGS073802516 Barataria Pass at Grand Isle	0.60	0.56	0.65	0.74	0.68	0.39	0.26	0.15	0.18	0.17	0.72	0.65
HWQ14 - Lake Washington	0.56	0.51	0.61	0.80	0.67	0.34	0.25	0.10	0.10	0.11	0.54	0.63
HWQ16 - Bayou Grand Liard	0.33	0.27	0.33	0.39	0.35	0.16	0.11	0.08	0.09	0.08	0.27	0.36
CRMS 3985	0.52	0.35	0.52	0.97	0.88	0.42	0.22	-0.14	-0.05	-0.07	0.43	0.60
CRMS 0258	0.51	0.46	0.61	0.72	0.58	0.21	0.19	0.26	0.12	0.13	0.48	0.42
CRMS 0224	0.67	0.62	0.81	0.91	0.87	0.48	0.39	0.31	0.21	0.25	0.83	0.66
CRMS 0163	0.02	0.03	0.01	0.00	0.00	0.00	0.02	0.06	0.05	0.05	0.02	0.01
CRMS 0162	0.01	0.02	0.00	-0.01	-0.01	0.01	0.03	0.16	0.16	0.23	0.00	0.00

Figure WQ TOTN 106 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.26	0.90	0.67	0.67	0.61	0.55	0.56	0.55	0.59	0.72	0.94
CRMS0276 - Just east of Wilkinson Canal	1.35	1.66	1.70	1.65	1.65	1.35	0.93	0.86	1.10	0.88	1.00	1.46
Barataria Waterway at Lafitte (USACE82875)	1.79	1.85	1.88	1.91	1.90	1.71	1.62	1.53	1.73	1.55	1.72	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.23	0.83	0.73	0.77	0.73	0.59	0.55	0.54	0.56	0.70	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.33	1.02	0.60	0.53	0.52	0.53	0.69	0.73	0.73	0.83	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.26	1.03	0.74	0.63	0.57	0.53	0.54	0.59	0.58	0.65	0.92
USGS 07380335 - Little Lake Near Cutoff	1.15	1.30	1.16	0.92	0.76	0.63	0.59	0.59	0.65	0.60	0.64	0.94
USGS073802516 Barataria Pass at Grand Isle	1.14	1.25	1.05	0.79	0.72	0.63	0.56	0.55	0.59	0.57	0.62	0.90
HWQ14 - Lake Washington	1.22	1.24	0.95	0.58	0.52	0.49	0.49	0.54	0.61	0.61	0.70	0.98
HWQ16 - Bayou Grand Liard	1.10	1.36	1.37	1.22	1.20	0.92	0.75	0.72	0.75	0.59	0.65	0.99
CRMS 3985	1.44	1.39	1.03	0.57	0.50	0.52	0.55	0.93	0.90	0.87	0.98	1.34
CRMS 0258	1.26	1.37	1.17	1.07	1.10	1.07	0.85	0.69	0.67	0.68	0.84	1.15
CRMS 0224	1.16	1.29	1.04	0.93	0.90	0.78	0.60	0.55	0.64	0.61	0.69	0.94
CRMS 0163	1.82	1.84	1.87	1.92	1.95	1.91	1.77	1.74	1.88	1.69	1.83	1.84
CRMS 0162	1.82	1.85	1.91	1.89	1.93	1.92	1.99	1.68	1.22	1.02	1.54	1.82

V3PR7 HYST - cy 2 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.99	2.00	2.01	2.02	2.01	1.88	1.92	1.87	1.85	1.85	1.94
CRMS0276 - Just east of Wilkinson Canal	1.55	1.69	1.73	1.67	1.65	1.34	1.00	0.97	1.19	1.00	1.09	1.50
Barataria Waterway at Lafitte (USACE82875)	1.82	1.87	1.88	1.89	1.89	1.71	1.64	1.59	1.79	1.65	1.76	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.96	1.92	1.96	1.97	1.99	1.73	1.38	1.31	1.16	1.32	1.70	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.79	1.85	1.86	1.87	1.12	0.86	0.89	0.88	0.87	1.10	1.52
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.71	1.85	1.90	1.91	1.93	1.29	0.92	0.88	0.91	0.89	1.04	1.56
USGS 07380335 - Little Lake Near Cutoff	1.64	1.80	1.86	1.86	1.88	1.24	0.85	0.82	0.88	0.80	0.93	1.45
USGS073802516 Barataria Pass at Grand Isle	1.54	1.64	1.66	1.53	1.50	1.06	0.77	0.75	0.79	0.76	0.90	1.29
HWQ14 - Lake Washington	1.43	1.53	1.56	1.41	1.35	0.92	0.72	0.72	0.74	0.76	0.93	1.25
HWQ16 - Bayou Grand Liard	1.32	1.61	1.66	1.59	1.56	1.13	0.83	0.83	0.84	0.69	0.75	1.16
CRMS 3985	1.47	1.62	1.69	1.62	1.60	0.97	0.82	0.83	0.85	0.84	1.02	1.39
CRMS 0258	1.73	1.73	1.77	1.79	1.75	1.17	1.00	0.93	0.79	0.80	1.14	1.53
CRMS 0224	1.73	1.77	1.82	1.85	1.83	1.19	0.92	0.88	0.87	0.86	1.08	1.52
CRMS 0163	1.84	1.87	1.87	1.92	1.95	1.92	1.79	1.80	1.94	1.81	1.85	1.85
CRMS 0162	1.83	1.86	1.90	1.89	1.92	1.92	2.00	1.82	1.42	1.29	1.54	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.73	1.11	1.33	1.34	1.40	1.33	1.36	1.32	1.26	1.13	1.00
CRMS0276 - Just east of Wilkinson Canal	0.20	0.03	0.03	0.02	0.00	-0.01	0.07	0.12	0.09	0.12	0.09	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.00	-0.02	-0.01	0.01	0.02	0.06	0.06	0.11	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.69	1.12	1.24	1.22	1.00	0.79	0.77	0.61	0.76	1.00	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.30	0.46	0.83	1.26	1.34	0.60	0.33	0.20	0.14	0.15	0.28	0.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.53	0.60	0.86	1.17	1.29	0.72	0.38	0.34	0.32	0.30	0.39	0.64
USGS 07380335 - Little Lake Near Cutoff	0.49	0.50	0.70	0.94	1.12	0.62	0.26	0.23	0.23	0.21	0.29	0.51
USGS073802516 Barataria Pass at Grand Isle	0.40	0.39	0.62	0.74	0.78	0.43	0.20	0.20	0.20	0.19	0.27	0.39
HWQ14 - Lake Washington	0.21	0.29	0.60	0.83	0.83	0.43	0.23	0.18	0.13	0.15	0.22	0.27
HWQ16 - Bayou Grand Liard	0.22	0.25	0.30	0.38	0.36	0.22	0.09	0.11	0.09	0.10	0.09	0.17
CRMS 3985	0.03	0.22	0.66	1.05	1.10	0.45	0.27	-0.10	-0.05	-0.03	0.04	0.05
CRMS 0258	0.46	0.36	0.60	0.72	0.66	0.10	0.15	0.25	0.12	0.12	0.29	0.39
CRMS 0224	0.57	0.48	0.78	0.91	0.93	0.41	0.32	0.33	0.23	0.25	0.40	0.57
CRMS 0163	0.02	0.02	0.00	0.00	0.00	0.01	0.02	0.05	0.06	0.12	0.02	0.01
CRMS 0162	0.01	0.01	-0.01	0.00	-0.01	0.00	0.00	0.14	0.20	0.27	0.00	0.01

Figure WQ TOTN 107 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.17	1.21	0.86	0.60	0.59	0.51	0.52	0.55	0.53	0.58	0.78	0.93
CRMS0276 - Just east of Wilkinson Canal	1.17	1.57	1.48	1.48	1.45	1.15	0.64	0.59	0.80	0.91	1.21	1.43
Barataria Waterway at Lafitte (USACE82875)	1.72	1.83	1.85	1.85	1.84	1.62	1.35	1.37	1.33	1.70	1.81	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.15	0.77	0.62	0.63	0.58	0.51	0.52	0.49	0.51	0.72	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.31	1.31	1.14	0.61	0.54	0.53	0.73	0.73	0.75	0.78	0.82	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.18	1.00	0.68	0.56	0.51	0.53	0.50	0.55	0.56	0.72	0.93
USGS 07380335 - Little Lake Near Cutoff	1.05	1.21	1.04	0.81	0.64	0.54	0.51	0.48	0.55	0.55	0.74	0.98
USGS073802516 Barataria Pass at Grand Isle	1.07	1.17	0.99	0.72	0.61	0.53	0.50	0.47	0.53	0.53	0.69	0.91
HWQ14 - Lake Washington	1.19	1.21	1.05	0.59	0.50	0.48	0.59	0.57	0.63	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.97	1.25	1.14	1.03	0.96	0.77	0.53	0.51	0.59	0.55	0.78	1.01
CRMS 3985	1.44	1.39	1.29	0.63	0.59	0.62	1.01	1.00	0.93	0.95	0.87	1.29
CRMS 0258	1.07	1.24	0.90	0.93	0.93	0.78	0.61	0.55	0.51	0.56	0.97	1.18
CRMS 0224	1.06	1.18	0.90	0.81	0.73	0.65	0.52	0.48	0.52	0.53	0.77	0.98
CRMS 0163	1.77	1.85	1.87	1.89	1.88	1.74	1.49	1.59	1.46	1.81	1.85	1.84
CRMS 0162	1.73	1.81	1.79	1.69	1.71	1.73	1.60	1.12	0.72	1.44	1.70	1.84

V3PR7 HYST - cy 2 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.87	1.98	1.98	1.92	1.94	1.88	1.89	1.93	1.85	1.78	1.78	1.89
CRMS0276 - Just east of Wilkinson Canal	1.28	1.60	1.51	1.54	1.40	1.18	0.71	0.67	0.94	1.02	1.28	1.47
Barataria Waterway at Lafitte (USACE82875)	1.76	1.85	1.89	1.87	1.86	1.65	1.42	1.44	1.57	1.78	1.82	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.72	1.87	1.82	1.51	1.64	0.99	1.14	1.15	0.98	1.14	1.41	1.68
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.60	1.47	1.20	1.35	0.71	0.70	0.74	0.78	0.80	1.03	1.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.69	1.54	1.28	1.55	0.76	0.70	0.68	0.74	0.77	0.98	1.29
USGS 07380335 - Little Lake Near Cutoff	1.19	1.60	1.46	1.28	1.45	0.73	0.63	0.58	0.70	0.70	0.94	1.22
USGS073802516 Barataria Pass at Grand Isle	1.16	1.45	1.28	1.10	1.01	0.69	0.57	0.53	0.64	0.66	0.87	1.13
HWQ14 - Lake Washington	1.11	1.34	1.18	0.98	0.82	0.62	0.59	0.59	0.66	0.69	0.86	1.12
HWQ16 - Bayou Grand Liard	1.04	1.36	1.25	1.19	1.10	0.86	0.58	0.55	0.67	0.66	0.85	1.09
CRMS 3985	1.14	1.42	1.25	0.99	0.97	0.67	0.69	0.73	0.83	0.86	0.98	1.20
CRMS 0258	1.41	1.60	1.29	1.16	1.22	0.82	0.73	0.72	0.60	0.65	1.11	1.37
CRMS 0224	1.34	1.63	1.42	1.25	1.27	0.76	0.69	0.68	0.69	0.71	1.01	1.31
CRMS 0163	1.80	1.87	1.90	1.90	1.89	1.78	1.57	1.68	1.77	1.85	1.85	1.87
CRMS 0162	1.76	1.82	1.83	1.70	1.72	1.77	1.79	1.31	0.84	1.64	1.70	1.86

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.77	1.12	1.32	1.35	1.36	1.38	1.38	1.31	1.20	1.01	0.96
CRMS0276 - Just east of Wilkinson Canal	0.11	0.03	0.02	0.06	-0.04	0.04	0.07	0.08	0.13	0.11	0.07	0.04
Barataria Waterway at Lafitte (USACE82875)	0.04	0.02	0.04	0.01	0.02	0.03	0.07	0.07	0.25	0.08	0.02	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.62	0.72	1.05	0.89	1.01	0.41	0.62	0.62	0.49	0.62	0.70	0.83
USGS7380251 Barataria Bay North of Grand Isle	-0.11	0.29	0.34	0.60	0.81	0.18	-0.03	0.01	0.03	0.02	0.21	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.51	0.53	0.61	0.99	0.25	0.17	0.18	0.20	0.21	0.27	0.36
USGS 07380335 - Little Lake Near Cutoff	0.14	0.40	0.42	0.47	0.81	0.19	0.11	0.10	0.15	0.15	0.19	0.24
USGS073802516 Barataria Pass at Grand Isle	0.08	0.27	0.28	0.38	0.40	0.15	0.07	0.07	0.11	0.13	0.17	0.22
HWQ14 - Lake Washington	-0.08	0.13	0.13	0.38	0.32	0.14	0.00	0.02	0.03	0.06	0.14	0.17
HWQ16 - Bayou Grand Liard	0.06	0.11	0.11	0.15	0.14	0.09	0.05	0.04	0.09	0.10	0.07	0.08
CRMS 3985	-0.30	0.03	-0.04	0.36	0.38	0.05	-0.32	-0.27	-0.09	-0.09	0.11	-0.09
CRMS 0258	0.34	0.36	0.39	0.23	0.29	0.04	0.11	0.17	0.09	0.09	0.14	0.19
CRMS 0224	0.28	0.45	0.52	0.44	0.54	0.12	0.17	0.20	0.17	0.18	0.24	0.33
CRMS 0163	0.03	0.02	0.03	0.01	0.01	0.04	0.07	0.09	0.31	0.04	0.00	0.03
CRMS 0162	0.03	0.01	0.03	0.01	0.01	0.04	0.18	0.19	0.12	0.20	-0.01	0.03

Figure WQ TOTN 108 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.28	0.91	0.68	0.68	0.62	0.60	0.63	0.63	0.65	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.32	1.69	1.67	1.63	1.58	1.48	1.15	1.11	1.34	1.07	1.05	1.29
Barataria Waterway at Lafitte (USACE82875)	1.79	1.86	1.90	1.90	1.86	1.79	1.78	1.66	1.78	1.70	1.68	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	0.84	0.72	0.75	0.72	0.61	0.60	0.64	0.64	0.81	0.89
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.32	1.03	0.64	0.57	0.56	0.59	0.66	0.76	0.77	0.87	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.28	1.01	0.74	0.63	0.58	0.58	0.60	0.65	0.64	0.73	0.91
USGS 07380335 - Little Lake Near Cutoff	1.13	1.33	1.13	0.90	0.73	0.66	0.66	0.71	0.75	0.68	0.73	0.89
USGS073802516 Barataria Pass at Grand Isle	1.13	1.27	1.02	0.78	0.68	0.64	0.64	0.67	0.67	0.64	0.69	0.87
HWQ14 - Lake Washington	1.22	1.24	0.94	0.60	0.53	0.51	0.52	0.56	0.64	0.65	0.74	1.00
HWQ16 - Bayou Grand Liard	1.11	1.40	1.32	1.17	1.08	1.04	0.98	0.98	0.89	0.70	0.69	0.88
CRMS 3985	1.44	1.38	1.11	0.64	0.57	0.58	0.64	0.79	0.91	0.91	1.00	1.36
CRMS 0258	1.23	1.40	1.17	1.07	1.06	1.10	0.99	0.96	0.92	0.84	1.05	1.06
CRMS 0224	1.13	1.33	1.01	0.92	0.85	0.80	0.65	0.63	0.77	0.72	0.82	0.92
CRMS 0163	1.81	1.85	1.92	1.91	1.93	1.91	1.84	1.81	1.90	1.81	1.81	1.83
CRMS 0162	1.83	1.88	1.90	1.83	1.83	1.93	1.97	1.91	1.66	1.57	1.46	1.75

V3PR7 HYST - cy 2 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.93	1.88	1.84	1.90	1.90
CRMS0276 - Just east of Wilkinson Canal	1.57	1.72	1.73	1.65	1.57	1.50	1.48	1.37	1.48	1.18	1.19	1.35
Barataria Waterway at Lafitte (USACE82875)	1.80	1.87	1.89	1.87	1.85	1.76	1.71	1.64	1.86	1.76	1.72	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.90	1.94	1.96	1.97	1.99	1.95	1.92	1.58	1.13	1.28	1.74	1.86
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.82	1.87	1.82	1.78	1.72	1.66	1.29	0.91	0.91	1.17	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.80	1.87	1.91	1.88	1.86	1.85	1.83	1.49	0.97	0.94	1.13	1.39
USGS 07380335 - Little Lake Near Cutoff	1.73	1.83	1.88	1.83	1.78	1.76	1.73	1.47	0.99	0.88	1.04	1.26
USGS073802516 Barataria Pass at Grand Isle	1.60	1.68	1.67	1.50	1.36	1.27	1.28	1.19	0.90	0.83	0.99	1.20
HWQ14 - Lake Washington	1.50	1.59	1.54	1.36	1.21	1.15	1.11	1.00	0.79	0.80	0.99	1.25
HWQ16 - Bayou Grand Liard	1.39	1.66	1.63	1.54	1.41	1.34	1.22	1.17	1.02	0.79	0.81	1.00
CRMS 3985	1.60	1.67	1.69	1.56	1.46	1.40	1.34	1.17	0.85	0.85	1.05	1.39
CRMS 0258	1.73	1.75	1.85	1.75	1.62	1.61	1.67	1.41	1.17	1.04	1.43	1.50
CRMS 0224	1.75	1.79	1.88	1.81	1.72	1.72	1.74	1.39	1.00	0.97	1.23	1.41
CRMS 0163	1.82	1.86	1.92	1.91	1.92	1.89	1.80	1.84	1.96	1.86	1.83	1.84
CRMS 0162	1.84	1.88	1.89	1.83	1.83	1.92	1.97	1.95	1.78	1.80	1.51	1.80

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.72	1.09	1.32	1.33	1.38	1.40	1.30	1.25	1.19	1.10	0.96
CRMS0276 - Just east of Wilkinson Canal	0.25	0.03	0.07	0.01	-0.02	0.01	0.33	0.26	0.13	0.11	0.14	0.07
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.01	-0.02	-0.01	-0.04	-0.08	-0.03	0.08	0.06	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.68	1.13	1.25	1.23	1.23	1.31	0.98	0.48	0.64	0.93	0.97
USGS7380251 Barataria Bay North of Grand Isle	0.40	0.50	0.83	1.18	1.21	1.16	1.07	0.63	0.15	0.14	0.30	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.64	0.59	0.90	1.14	1.23	1.27	1.26	0.89	0.32	0.30	0.40	0.48
USGS 07380335 - Little Lake Near Cutoff	0.60	0.50	0.75	0.93	1.05	1.11	1.07	0.76	0.25	0.20	0.31	0.37
USGS073802516 Barataria Pass at Grand Isle	0.47	0.41	0.64	0.73	0.68	0.63	0.64	0.52	0.23	0.19	0.30	0.33
HWQ14 - Lake Washington	0.27	0.35	0.60	0.77	0.68	0.64	0.58	0.44	0.16	0.15	0.25	0.25
HWQ16 - Bayou Grand Liard	0.28	0.26	0.31	0.37	0.33	0.30	0.23	0.19	0.13	0.08	0.12	0.13
CRMS 3985	0.16	0.29	0.58	0.92	0.89	0.82	0.70	0.38	-0.06	-0.06	0.05	0.03
CRMS 0258	0.51	0.36	0.68	0.69	0.56	0.52	0.68	0.45	0.25	0.20	0.37	0.45
CRMS 0224	0.62	0.47	0.87	0.89	0.87	0.92	1.09	0.77	0.24	0.25	0.42	0.49
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.02	-0.04	0.03	0.06	0.05	0.02	0.01
CRMS 0162	0.01	0.00	-0.01	0.00	0.01	0.00	0.00	0.04	0.12	0.23	0.05	0.05

Figure WQ TOTN 109 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.88	0.97	0.84	0.66	0.65	0.61	0.59	0.61	0.60	0.63	0.76	0.85
CRMS0276 - Just east of Wilkinson Canal	1.33	1.46	1.58	1.65	1.69	1.42	1.11	1.06	1.28	1.02	0.99	1.59
Barataria Waterway at Lafitte (USACE82875)	1.81	1.85	1.84	1.89	1.86	1.80	1.73	1.63	1.75	1.64	1.70	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	0.98	0.73	0.71	0.75	0.72	0.61	0.59	0.60	0.61	0.76	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.81	1.08	1.07	0.64	0.54	0.54	0.58	0.61	0.71	0.75	0.82	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.02	0.91	0.75	0.64	0.59	0.57	0.60	0.62	0.63	0.69	0.85
USGS 07380335 - Little Lake Near Cutoff	1.01	1.08	0.98	0.92	0.79	0.67	0.65	0.71	0.72	0.66	0.68	0.95
USGS073802516 Barataria Pass at Grand Isle	0.91	1.01	0.90	0.80	0.73	0.66	0.63	0.67	0.64	0.62	0.66	0.87
HWQ14 - Lake Washington	0.74	0.97	0.94	0.61	0.52	0.51	0.52	0.53	0.60	0.64	0.72	0.77
HWQ16 - Bayou Grand Liard	1.09	1.14	1.19	1.20	1.23	1.09	0.99	0.95	0.86	0.68	0.66	1.09
CRMS 3985	0.84	1.20	1.23	0.67	0.54	0.56	0.63	0.68	0.84	0.88	0.91	0.60
CRMS 0258	1.15	1.12	1.03	1.07	1.09	1.08	0.98	0.95	0.84	0.80	0.97	1.22
CRMS 0224	1.01	1.08	0.86	0.93	0.90	0.81	0.64	0.62	0.73	0.69	0.76	0.98
CRMS 0163	1.85	1.88	1.82	1.90	1.83	1.94	1.84	1.84	1.91	1.78	1.83	1.84
CRMS 0162	1.80	1.74	1.85	1.84	1.84	1.96	2.00	1.92	1.56	1.24	1.51	1.87

V3PR7 HYST - cy 2 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.08	1.98	1.98	2.00	1.94	1.99	1.99	1.90	1.87	1.86	1.89	1.99
CRMS0276 - Just east of Wilkinson Canal	1.60	1.54	1.63	1.69	1.63	1.50	1.49	1.21	1.38	1.09	1.09	1.63
Barataria Waterway at Lafitte (USACE82875)	1.83	1.86	1.85	1.89	1.86	1.78	1.66	1.64	1.82	1.71	1.72	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	2.58	2.13	1.91	1.96	1.89	1.96	1.94	1.34	1.18	1.33	1.77	1.91
USGS7380251 Barataria Bay North of Grand Isle	1.74	1.59	1.75	1.83	1.77	1.78	1.66	1.01	0.91	0.91	1.18	1.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.75	1.63	1.81	1.88	1.83	1.88	1.84	1.13	0.98	0.94	1.13	1.83
USGS 07380335 - Little Lake Near Cutoff	1.63	1.55	1.76	1.83	1.78	1.81	1.74	1.12	0.97	0.87	0.99	1.77
USGS073802516 Barataria Pass at Grand Isle	1.59	1.50	1.54	1.53	1.46	1.33	1.28	1.02	0.88	0.82	0.96	1.57
HWQ14 - Lake Washington	1.54	1.49	1.44	1.41	1.33	1.20	1.11	0.89	0.80	0.81	0.99	1.45
HWQ16 - Bayou Grand Liard	1.29	1.31	1.50	1.57	1.53	1.37	1.24	1.04	0.95	0.75	0.76	1.42
CRMS 3985	1.54	1.49	1.58	1.59	1.54	1.47	1.35	0.99	0.83	0.85	1.05	1.58
CRMS 0258	1.98	1.70	1.67	1.75	1.66	1.68	1.67	1.24	1.06	0.97	1.34	1.72
CRMS 0224	1.90	1.68	1.71	1.81	1.72	1.78	1.75	1.07	0.98	0.94	1.18	1.74
CRMS 0163	1.86	1.89	1.83	1.90	1.84	1.93	1.80	1.87	1.97	1.84	1.84	1.84
CRMS 0162	1.80	1.77	1.85	1.83	1.84	1.96	2.00	1.95	1.75	1.47	1.53	1.86

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.20	1.00	1.14	1.34	1.28	1.38	1.40	1.29	1.28	1.23	1.12	1.13
CRMS0276 - Just east of Wilkinson Canal	0.27	0.08	0.05	0.04	-0.06	0.08	0.38	0.15	0.10	0.07	0.09	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.01	0.00	0.01	-0.02	-0.07	0.01	0.07	0.06	0.03	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.65	1.15	1.18	1.24	1.15	1.24	1.33	0.75	0.57	0.72	1.00	1.05
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.51	0.68	1.19	1.23	1.24	1.08	0.39	0.20	0.16	0.36	1.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	0.61	0.90	1.13	1.19	1.29	1.27	0.53	0.35	0.31	0.44	0.98
USGS 07380335 - Little Lake Near Cutoff	0.63	0.48	0.78	0.91	0.99	1.14	1.09	0.40	0.25	0.20	0.31	0.82
USGS073802516 Barataria Pass at Grand Isle	0.68	0.49	0.64	0.73	0.73	0.66	0.65	0.35	0.24	0.20	0.30	0.70
HWQ14 - Lake Washington	0.80	0.52	0.50	0.80	0.81	0.69	0.59	0.36	0.19	0.17	0.27	0.67
HWQ16 - Bayou Grand Liard	0.20	0.17	0.31	0.38	0.30	0.29	0.25	0.09	0.08	0.07	0.10	0.33
CRMS 3985	0.70	0.29	0.36	0.92	1.00	0.91	0.72	0.32	-0.01	-0.03	0.14	0.98
CRMS 0258	0.84	0.58	0.63	0.68	0.58	0.59	0.68	0.29	0.22	0.18	0.37	0.50
CRMS 0224	0.89	0.60	0.85	0.87	0.82	0.97	1.11	0.46	0.25	0.25	0.42	0.77
CRMS 0163	0.01	0.01	0.01	0.00	0.00	0.00	-0.04	0.03	0.06	0.06	0.01	0.00
CRMS 0162	0.00	0.03	0.00	-0.01	0.00	0.00	0.00	0.03	0.18	0.23	0.02	-0.01

Figure WQ TOTN 110 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.19	1.24	0.90	0.69	0.68	0.62	0.56	0.59	0.58	0.62	0.86	0.95
CRMS0276 - Just east of Wilkinson Canal	1.52	1.66	1.70	1.66	1.56	1.34	0.96	0.77	1.18	0.97	1.35	1.68
Barataria Waterway at Lafitte (USACE82875)	1.86	1.90	1.88	1.91	1.86	1.74	1.55	1.48	1.81	1.65	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.24	0.83	0.75	0.77	0.72	0.60	0.58	0.56	0.58	0.82	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.26	1.06	0.65	0.57	0.56	0.59	0.75	0.77	0.77	0.80	1.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.23	1.02	0.76	0.63	0.58	0.56	0.56	0.62	0.61	0.76	1.01
USGS 07380335 - Little Lake Near Cutoff	1.21	1.29	1.13	0.92	0.74	0.62	0.62	0.56	0.68	0.63	0.82	1.14
USGS073802516 Barataria Pass at Grand Isle	1.13	1.22	1.02	0.80	0.70	0.61	0.59	0.54	0.62	0.60	0.73	1.02
HWQ14 - Lake Washington	1.04	1.16	0.96	0.61	0.54	0.51	0.52	0.60	0.65	0.65	0.70	0.91
HWQ16 - Bayou Grand Liard	1.28	1.33	1.34	1.21	1.09	0.90	0.79	0.62	0.77	0.64	0.88	1.28
CRMS 3985	1.17	1.33	1.17	0.65	0.56	0.58	0.66	0.98	0.95	0.92	0.82	1.07
CRMS 0258	1.33	1.42	1.17	1.08	1.07	1.07	0.84	0.68	0.68	0.73	1.18	1.35
CRMS 0224	1.20	1.31	1.01	0.95	0.86	0.76	0.61	0.56	0.66	0.64	0.87	1.15
CRMS 0163	1.87	1.92	1.87	1.93	1.97	1.90	1.67	1.72	1.90	1.77	1.86	1.84
CRMS 0162	1.88	1.87	1.92	1.89	1.85	1.87	1.95	1.64	1.38	1.29	1.75	1.89

V3PR8 HYST - cy 2 - 1985 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	2.03	2.01	2.01	2.00	2.00	1.92	1.92	1.87	1.83	1.98	2.00
CRMS0276 - Just east of Wilkinson Canal	1.74	1.73	1.72	1.63	1.54	1.24	1.03	0.83	1.17	0.96	1.33	1.70
Barataria Waterway at Lafitte (USACE82875)	1.80	1.84	1.76	1.60	1.52	1.48	1.26	1.13	1.52	1.40	1.68	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.97	2.24	1.96	1.98	1.99	1.69	1.38	1.32	1.14	1.35	1.91	1.94
USGS7380251 Barataria Bay North of Grand Isle	1.85	1.87	1.85	1.87	1.81	1.24	0.90	0.88	0.89	0.91	1.65	1.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.90	1.96	1.90	1.92	1.91	1.46	0.99	0.86	0.90	0.94	1.78	1.88
USGS 07380335 - Little Lake Near Cutoff	1.86	1.88	1.86	1.87	1.84	1.35	0.96	0.74	0.87	0.83	1.64	1.84
USGS073802516 Barataria Pass at Grand Isle	1.73	1.78	1.67	1.54	1.38	1.00	0.84	0.68	0.79	0.77	1.46	1.67
HWQ14 - Lake Washington	1.61	1.66	1.57	1.43	1.23	0.86	0.77	0.71	0.75	0.78	1.25	1.55
HWQ16 - Bayou Grand Liard	1.60	1.58	1.66	1.59	1.43	1.05	0.88	0.68	0.82	0.68	1.13	1.62
CRMS 3985	1.69	1.66	1.69	1.61	1.43	1.00	0.87	0.84	0.90	0.90	1.25	1.66
CRMS 0258	1.84	1.89	1.78	1.81	1.67	1.32	1.06	0.96	0.81	0.84	1.67	1.77
CRMS 0224	1.87	1.92	1.81	1.86	1.74	1.26	1.00	0.85	0.87	0.87	1.69	1.80
CRMS 0163	1.89	1.94	1.86	1.91	1.93	1.87	1.65	1.75	1.94	1.80	1.86	1.84
CRMS 0162	1.88	1.88	1.91	1.87	1.85	1.89	1.98	1.79	1.52	1.52	1.75	1.89

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.79	1.11	1.31	1.32	1.38	1.35	1.33	1.29	1.21	1.13	1.05
CRMS0276 - Just east of Wilkinson Canal	0.22	0.07	0.02	-0.03	-0.02	-0.10	0.06	0.07	-0.01	-0.01	-0.02	0.02
Barataria Waterway at Lafitte (USACE82875)	-0.06	-0.06	-0.12	-0.30	-0.34	-0.26	-0.29	-0.36	-0.30	-0.25	-0.17	-0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	1.00	1.13	1.23	1.22	0.97	0.78	0.74	0.58	0.77	1.08	1.01
USGS7380251 Barataria Bay North of Grand Isle	0.72	0.61	0.79	1.22	1.24	0.69	0.31	0.13	0.11	0.14	0.84	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.77	0.73	0.89	1.16	1.27	0.89	0.43	0.30	0.29	0.33	1.02	0.87
USGS 07380335 - Little Lake Near Cutoff	0.65	0.59	0.73	0.95	1.10	0.73	0.34	0.18	0.18	0.20	0.82	0.70
USGS073802516 Barataria Pass at Grand Isle	0.60	0.56	0.64	0.73	0.68	0.39	0.25	0.14	0.17	0.17	0.73	0.65
HWQ14 - Lake Washington	0.57	0.50	0.62	0.82	0.69	0.35	0.25	0.11	0.10	0.13	0.55	0.64
HWQ16 - Bayou Grand Liard	0.32	0.26	0.32	0.37	0.34	0.15	0.09	0.06	0.06	0.05	0.25	0.35
CRMS 3985	0.52	0.34	0.52	0.96	0.87	0.42	0.21	-0.14	-0.05	-0.02	0.43	0.60
CRMS 0258	0.51	0.47	0.62	0.73	0.60	0.24	0.22	0.27	0.13	0.11	0.49	0.42
CRMS 0224	0.67	0.62	0.80	0.91	0.88	0.50	0.39	0.29	0.20	0.23	0.82	0.66
CRMS 0163	0.01	0.02	-0.01	-0.02	-0.04	-0.03	-0.02	0.03	0.04	0.03	0.00	0.00
CRMS 0162	0.00	0.01	0.00	-0.03	-0.01	0.02	0.03	0.15	0.14	0.23	0.00	0.00

Figure WQ TOTN 111 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.26	0.90	0.67	0.67	0.61	0.55	0.56	0.55	0.59	0.72	0.94
CRMS0276 - Just east of Wilkinson Canal	1.35	1.66	1.70	1.65	1.65	1.35	0.93	0.86	1.10	0.88	1.00	1.46
Barataria Waterway at Lafitte (USACE82875)	1.79	1.85	1.88	1.91	1.90	1.71	1.62	1.53	1.73	1.55	1.72	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.23	0.83	0.73	0.77	0.73	0.59	0.55	0.54	0.56	0.70	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.33	1.02	0.60	0.53	0.52	0.53	0.69	0.73	0.73	0.83	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.26	1.03	0.74	0.63	0.57	0.53	0.54	0.59	0.58	0.65	0.92
USGS 07380335 - Little Lake Near Cutoff	1.15	1.30	1.16	0.92	0.76	0.63	0.59	0.59	0.65	0.60	0.64	0.94
USGS073802516 Barataria Pass at Grand Isle	1.14	1.25	1.05	0.79	0.72	0.63	0.56	0.55	0.59	0.57	0.62	0.90
HWQ14 - Lake Washington	1.22	1.24	0.95	0.58	0.52	0.49	0.49	0.54	0.61	0.61	0.70	0.98
HWQ16 - Bayou Grand Liard	1.10	1.36	1.37	1.22	1.20	0.92	0.75	0.72	0.75	0.59	0.65	0.99
CRMS 3985	1.44	1.39	1.03	0.57	0.50	0.52	0.55	0.93	0.90	0.87	0.98	1.34
CRMS 0258	1.26	1.37	1.17	1.07	1.10	1.07	0.85	0.69	0.67	0.68	0.84	1.15
CRMS 0224	1.16	1.29	1.04	0.93	0.90	0.78	0.60	0.55	0.64	0.61	0.69	0.94
CRMS 0163	1.82	1.84	1.87	1.92	1.95	1.91	1.77	1.74	1.88	1.69	1.83	1.84
CRMS 0162	1.82	1.85	1.91	1.89	1.93	1.92	1.99	1.68	1.22	1.02	1.54	1.82

V3PR8 HYST - cy 2 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.99	2.00	2.01	2.02	2.01	1.88	1.92	1.87	1.85	1.85	1.94
CRMS0276 - Just east of Wilkinson Canal	1.53	1.67	1.71	1.62	1.63	1.28	0.98	0.94	1.14	0.89	0.96	1.41
Barataria Waterway at Lafitte (USACE82875)	1.74	1.77	1.75	1.59	1.61	1.48	1.31	1.23	1.48	1.36	1.49	1.74
USGS2928590900040000 Barataria Waterway South of Lafitte	1.97	1.92	1.96	1.97	1.99	1.74	1.39	1.32	1.16	1.33	1.70	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.79	1.85	1.86	1.87	1.11	0.85	0.88	0.87	0.87	1.09	1.52
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.71	1.86	1.90	1.91	1.93	1.30	0.92	0.88	0.90	0.88	1.03	1.56
USGS 07380335 - Little Lake Near Cutoff	1.64	1.80	1.86	1.86	1.88	1.24	0.85	0.81	0.86	0.77	0.89	1.42
USGS073802516 Barataria Pass at Grand Isle	1.54	1.64	1.66	1.53	1.49	1.05	0.76	0.74	0.79	0.74	0.88	1.28
HWQ14 - Lake Washington	1.43	1.53	1.57	1.43	1.37	0.91	0.72	0.72	0.74	0.77	0.93	1.26
HWQ16 - Bayou Grand Liard	1.29	1.59	1.65	1.58	1.55	1.12	0.83	0.82	0.82	0.64	0.71	1.13
CRMS 3985	1.47	1.61	1.69	1.61	1.59	0.96	0.81	0.83	0.84	0.84	1.02	1.39
CRMS 0258	1.73	1.73	1.78	1.80	1.77	1.21	1.02	0.95	0.80	0.79	1.08	1.44
CRMS 0224	1.73	1.77	1.82	1.85	1.84	1.21	0.92	0.87	0.87	0.83	1.04	1.46
CRMS 0163	1.83	1.86	1.86	1.89	1.93	1.90	1.74	1.77	1.94	1.79	1.82	1.84
CRMS 0162	1.83	1.85	1.90	1.88	1.92	1.91	2.00	1.81	1.40	1.27	1.56	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.73	1.11	1.33	1.34	1.40	1.34	1.36	1.32	1.26	1.13	1.00
CRMS0276 - Just east of Wilkinson Canal	0.17	0.00	0.01	-0.04	-0.02	-0.07	0.05	0.08	0.04	0.01	-0.04	-0.05
Barataria Waterway at Lafitte (USACE82875)	-0.05	-0.08	-0.13	-0.31	-0.29	-0.23	-0.31	-0.30	-0.25	-0.19	-0.23	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.69	1.12	1.24	1.22	1.01	0.80	0.77	0.61	0.77	1.01	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.46	0.83	1.26	1.33	0.59	0.32	0.20	0.14	0.14	0.27	0.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.54	0.60	0.87	1.17	1.30	0.73	0.39	0.34	0.31	0.30	0.38	0.64
USGS 07380335 - Little Lake Near Cutoff	0.49	0.50	0.70	0.94	1.12	0.62	0.26	0.22	0.21	0.18	0.25	0.48
USGS073802516 Barataria Pass at Grand Isle	0.40	0.39	0.61	0.74	0.77	0.42	0.20	0.19	0.19	0.17	0.26	0.38
HWQ14 - Lake Washington	0.21	0.29	0.62	0.85	0.85	0.42	0.23	0.17	0.13	0.15	0.23	0.27
HWQ16 - Bayou Grand Liard	0.20	0.23	0.28	0.36	0.35	0.20	0.09	0.10	0.07	0.05	0.06	0.13
CRMS 3985	0.03	0.22	0.66	1.04	1.09	0.45	0.27	-0.10	-0.06	-0.03	0.04	0.05
CRMS 0258	0.47	0.36	0.61	0.73	0.67	0.14	0.17	0.26	0.13	0.11	0.23	0.29
CRMS 0224	0.57	0.48	0.78	0.91	0.94	0.43	0.32	0.32	0.22	0.22	0.36	0.52
CRMS 0163	0.01	0.01	-0.01	-0.03	-0.01	-0.01	-0.03	0.03	0.06	0.09	-0.01	0.00
CRMS 0162	0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.12	0.18	0.25	0.01	0.02

Figure WQ TOTN 112 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.17	1.21	0.86	0.60	0.59	0.51	0.52	0.55	0.53	0.58	0.78	0.93
CRMS0276 - Just east of Wilkinson Canal	1.17	1.57	1.48	1.48	1.45	1.15	0.64	0.59	0.80	0.91	1.21	1.43
Barataria Waterway at Lafitte (USACE82875)	1.72	1.83	1.85	1.85	1.84	1.62	1.35	1.37	1.33	1.70	1.81	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.15	0.77	0.62	0.63	0.58	0.51	0.52	0.49	0.51	0.72	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.31	1.31	1.14	0.61	0.54	0.53	0.73	0.73	0.75	0.78	0.82	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.18	1.00	0.68	0.56	0.51	0.53	0.50	0.55	0.56	0.72	0.93
USGS 07380335 - Little Lake Near Cutoff	1.05	1.21	1.04	0.81	0.64	0.54	0.51	0.48	0.55	0.55	0.74	0.98
USGS073802516 Barataria Pass at Grand Isle	1.07	1.17	0.99	0.72	0.61	0.53	0.50	0.47	0.53	0.53	0.69	0.91
HWQ14 - Lake Washington	1.19	1.21	1.05	0.59	0.50	0.48	0.59	0.57	0.63	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.97	1.25	1.14	1.03	0.96	0.77	0.53	0.51	0.59	0.55	0.78	1.01
CRMS 3985	1.44	1.39	1.29	0.63	0.59	0.62	1.01	1.00	0.93	0.95	0.87	1.29
CRMS 0258	1.07	1.24	0.90	0.93	0.93	0.78	0.61	0.55	0.51	0.56	0.97	1.18
CRMS 0224	1.06	1.18	0.90	0.81	0.73	0.65	0.52	0.48	0.52	0.53	0.77	0.98
CRMS 0163	1.77	1.85	1.87	1.89	1.88	1.74	1.49	1.59	1.46	1.81	1.85	1.84
CRMS 0162	1.73	1.81	1.79	1.69	1.71	1.73	1.60	1.12	0.72	1.44	1.70	1.84

V3PR8 HYST - cy 2 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.89	1.98	1.98	1.92	1.94	1.88	1.89	1.92	1.85	1.78	1.79	1.87
CRMS0276 - Just east of Wilkinson Canal	1.23	1.54	1.44	1.43	1.30	1.08	0.68	0.62	0.87	0.91	1.13	1.41
Barataria Waterway at Lafitte (USACE82875)	1.62	1.71	1.68	1.55	1.48	1.33	1.05	0.96	1.24	1.47	1.63	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.73	1.87	1.83	1.52	1.65	0.99	1.15	1.15	0.99	1.15	1.42	1.67
USGS7380251 Barataria Bay North of Grand Isle	1.44	1.64	1.49	1.19	1.34	0.69	0.68	0.73	0.77	0.79	1.03	1.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.37	1.72	1.56	1.28	1.55	0.75	0.69	0.68	0.73	0.76	0.95	1.29
USGS 07380335 - Little Lake Near Cutoff	1.24	1.63	1.48	1.27	1.44	0.71	0.62	0.56	0.67	0.67	0.87	1.20
USGS073802516 Barataria Pass at Grand Isle	1.25	1.51	1.30	1.10	0.99	0.67	0.56	0.52	0.63	0.64	0.84	1.12
HWQ14 - Lake Washington	1.33	1.44	1.23	0.99	0.82	0.61	0.59	0.59	0.66	0.70	0.86	1.14
HWQ16 - Bayou Grand Liard	1.00	1.36	1.24	1.16	1.07	0.83	0.57	0.54	0.64	0.61	0.79	1.05
CRMS 3985	1.48	1.49	1.28	0.97	0.94	0.66	0.68	0.73	0.81	0.86	1.00	1.33
CRMS 0258	1.41	1.59	1.28	1.14	1.22	0.81	0.72	0.72	0.62	0.65	1.02	1.35
CRMS 0224	1.37	1.64	1.42	1.24	1.25	0.74	0.68	0.67	0.66	0.69	0.94	1.29
CRMS 0163	1.78	1.86	1.88	1.87	1.84	1.74	1.53	1.64	1.81	1.83	1.83	1.84
CRMS 0162	1.75	1.82	1.81	1.69	1.71	1.78	1.76	1.30	0.89	1.64	1.70	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.77	1.12	1.33	1.35	1.36	1.38	1.37	1.32	1.21	1.01	0.94
CRMS0276 - Just east of Wilkinson Canal	0.06	-0.02	-0.04	-0.04	-0.15	-0.07	0.05	0.03	0.06	0.00	-0.08	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.10	-0.12	-0.17	-0.30	-0.36	-0.29	-0.30	-0.41	-0.09	-0.23	-0.18	-0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.62	0.72	1.06	0.90	1.01	0.41	0.63	0.63	0.50	0.64	0.70	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.33	0.35	0.59	0.80	0.16	-0.04	0.01	0.02	0.01	0.21	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.27	0.54	0.56	0.60	0.99	0.24	0.16	0.18	0.19	0.21	0.23	0.36
USGS 07380335 - Little Lake Near Cutoff	0.19	0.42	0.44	0.46	0.80	0.17	0.11	0.09	0.12	0.12	0.13	0.22
USGS073802516 Barataria Pass at Grand Isle	0.18	0.33	0.31	0.38	0.38	0.14	0.06	0.06	0.09	0.11	0.14	0.21
HWQ14 - Lake Washington	0.14	0.23	0.19	0.40	0.32	0.13	0.00	0.02	0.03	0.06	0.14	0.19
HWQ16 - Bayou Grand Liard	0.03	0.12	0.10	0.12	0.11	0.06	0.04	0.03	0.05	0.05	0.02	0.04
CRMS 3985	0.04	0.10	-0.01	0.34	0.35	0.04	-0.33	-0.27	-0.12	-0.09	0.13	0.04
CRMS 0258	0.34	0.35	0.38	0.21	0.29	0.03	0.11	0.17	0.11	0.10	0.04	0.17
CRMS 0224	0.32	0.45	0.53	0.43	0.52	0.10	0.16	0.19	0.14	0.16	0.17	0.31
CRMS 0163	0.00	0.01	0.01	-0.02	-0.04	-0.01	0.03	0.05	0.35	0.02	-0.02	0.00
CRMS 0162	0.01	0.01	0.02	0.00	0.00	0.05	0.16	0.18	0.17	0.20	0.00	0.01

Figure WQ TOTN 113 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.28	0.91	0.68	0.68	0.62	0.60	0.63	0.63	0.65	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.32	1.69	1.67	1.63	1.58	1.48	1.15	1.11	1.34	1.07	1.05	1.29
Barataria Waterway at Lafitte (USACE82875)	1.79	1.86	1.90	1.90	1.86	1.79	1.78	1.66	1.78	1.70	1.68	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	0.84	0.72	0.75	0.72	0.61	0.60	0.64	0.64	0.81	0.89
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.32	1.03	0.64	0.57	0.56	0.59	0.66	0.76	0.77	0.87	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.28	1.01	0.74	0.63	0.58	0.58	0.60	0.65	0.64	0.73	0.91
USGS 07380335 - Little Lake Near Cutoff	1.13	1.33	1.13	0.90	0.73	0.66	0.66	0.71	0.75	0.68	0.73	0.89
USGS073802516 Barataria Pass at Grand Isle	1.13	1.27	1.02	0.78	0.68	0.64	0.64	0.67	0.67	0.64	0.69	0.87
HWQ14 - Lake Washington	1.22	1.24	0.94	0.60	0.53	0.51	0.52	0.56	0.64	0.65	0.74	1.00
HWQ16 - Bayou Grand Liard	1.11	1.40	1.32	1.17	1.08	1.04	0.98	0.98	0.89	0.70	0.69	0.88
CRMS 3985	1.44	1.38	1.11	0.64	0.57	0.58	0.64	0.79	0.91	0.91	1.00	1.36
CRMS 0258	1.23	1.40	1.17	1.07	1.06	1.10	0.99	0.96	0.92	0.84	1.05	1.06
CRMS 0224	1.13	1.33	1.01	0.92	0.85	0.80	0.65	0.63	0.77	0.72	0.82	0.92
CRMS 0163	1.81	1.85	1.92	1.91	1.93	1.91	1.84	1.81	1.90	1.81	1.81	1.83
CRMS 0162	1.83	1.88	1.90	1.83	1.83	1.93	1.97	1.91	1.66	1.57	1.46	1.75

V3PR8 HYST - cy 2 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.93	1.88	1.84	1.92	1.95
CRMS0276 - Just east of Wilkinson Canal	1.52	1.71	1.71	1.59	1.52	1.47	1.49	1.38	1.35	1.10	1.00	1.16
Barataria Waterway at Lafitte (USACE82875)	1.72	1.79	1.70	1.59	1.53	1.47	1.31	1.27	1.60	1.49	1.48	1.57
USGS2928590900040000 Barataria Waterway South of Lafitte	1.90	1.94	1.96	1.97	1.99	1.95	1.92	1.59	1.13	1.29	1.75	1.87
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.81	1.86	1.82	1.78	1.71	1.66	1.29	0.91	0.91	1.16	1.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.78	1.87	1.92	1.89	1.87	1.87	1.85	1.49	0.97	0.93	1.11	1.30
USGS 07380335 - Little Lake Near Cutoff	1.67	1.82	1.88	1.83	1.78	1.77	1.73	1.46	0.97	0.86	0.98	1.17
USGS073802516 Barataria Pass at Grand Isle	1.40	1.63	1.65	1.49	1.36	1.27	1.27	1.19	0.89	0.82	0.96	1.12
HWQ14 - Lake Washington	1.13	1.51	1.52	1.37	1.24	1.16	1.11	0.99	0.80	0.81	0.99	1.04
HWQ16 - Bayou Grand Liard	1.29	1.63	1.61	1.52	1.39	1.32	1.21	1.15	0.98	0.75	0.74	0.94
CRMS 3985	1.22	1.62	1.67	1.55	1.44	1.39	1.33	1.16	0.85	0.86	1.00	0.69
CRMS 0258	1.73	1.76	1.86	1.76	1.64	1.64	1.68	1.44	1.18	0.99	1.33	1.37
CRMS 0224	1.74	1.79	1.88	1.82	1.72	1.73	1.74	1.39	0.99	0.93	1.17	1.33
CRMS 0163	1.82	1.85	1.91	1.89	1.89	1.87	1.74	1.82	1.96	1.84	1.81	1.87
CRMS 0162	1.85	1.88	1.88	1.82	1.81	1.92	1.97	1.95	1.81	1.74	1.51	1.85

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.72	1.09	1.32	1.33	1.38	1.40	1.30	1.25	1.18	1.12	1.00
CRMS0276 - Just east of Wilkinson Canal	0.20	0.01	0.05	-0.04	-0.06	-0.02	0.34	0.27	0.01	0.03	-0.05	-0.13
Barataria Waterway at Lafitte (USACE82875)	-0.07	-0.08	-0.20	-0.31	-0.33	-0.32	-0.47	-0.39	-0.18	-0.21	-0.21	-0.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.68	1.13	1.25	1.24	1.23	1.31	0.99	0.49	0.64	0.94	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.30	0.49	0.83	1.18	1.21	1.16	1.07	0.63	0.15	0.14	0.29	-0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.61	0.59	0.91	1.15	1.24	1.28	1.27	0.89	0.31	0.29	0.38	0.39
USGS 07380335 - Little Lake Near Cutoff	0.54	0.49	0.75	0.93	1.05	1.11	1.07	0.75	0.23	0.18	0.25	0.27
USGS073802516 Barataria Pass at Grand Isle	0.27	0.36	0.62	0.71	0.68	0.63	0.63	0.52	0.22	0.18	0.27	0.24
HWQ14 - Lake Washington	-0.09	0.27	0.58	0.77	0.70	0.64	0.59	0.44	0.16	0.16	0.24	0.04
HWQ16 - Bayou Grand Liard	0.18	0.23	0.29	0.35	0.31	0.28	0.22	0.16	0.09	0.05	0.05	0.06
CRMS 3985	-0.22	0.25	0.56	0.91	0.87	0.80	0.69	0.37	-0.06	-0.05	-0.01	-0.67
CRMS 0258	0.50	0.36	0.69	0.69	0.58	0.54	0.69	0.47	0.26	0.15	0.28	0.31
CRMS 0224	0.61	0.46	0.87	0.90	0.87	0.93	1.09	0.77	0.22	0.22	0.35	0.41
CRMS 0163	0.01	0.00	-0.01	-0.03	-0.04	-0.04	-0.10	0.01	0.06	0.03	0.01	0.04
CRMS 0162	0.02	0.00	-0.02	-0.01	-0.01	-0.01	0.00	0.04	0.14	0.17	0.05	0.10

Figure WQ TOTN 114 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.88	0.97	0.84	0.66	0.65	0.61	0.59	0.61	0.60	0.63	0.76	0.85
CRMS0276 - Just east of Wilkinson Canal	1.33	1.46	1.58	1.65	1.69	1.42	1.11	1.06	1.28	1.02	0.99	1.59
Barataria Waterway at Lafitte (USACE82875)	1.81	1.85	1.84	1.89	1.86	1.80	1.73	1.63	1.75	1.64	1.70	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	0.98	0.73	0.71	0.75	0.72	0.61	0.59	0.60	0.61	0.76	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.81	1.08	1.07	0.64	0.54	0.54	0.58	0.61	0.71	0.75	0.82	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.02	0.91	0.75	0.64	0.59	0.57	0.60	0.62	0.63	0.69	0.85
USGS 07380335 - Little Lake Near Cutoff	1.01	1.08	0.98	0.92	0.79	0.67	0.65	0.71	0.72	0.66	0.68	0.95
USGS073802516 Barataria Pass at Grand Isle	0.91	1.01	0.90	0.80	0.73	0.66	0.63	0.67	0.64	0.62	0.66	0.87
HWQ14 - Lake Washington	0.74	0.97	0.94	0.61	0.52	0.51	0.52	0.53	0.60	0.64	0.72	0.77
HWQ16 - Bayou Grand Liard	1.09	1.14	1.19	1.20	1.23	1.09	0.99	0.95	0.86	0.68	0.66	1.09
CRMS 3985	0.84	1.20	1.23	0.67	0.54	0.56	0.63	0.68	0.84	0.88	0.91	0.60
CRMS 0258	1.15	1.12	1.03	1.07	1.09	1.08	0.98	0.95	0.84	0.80	0.97	1.22
CRMS 0224	1.01	1.08	0.86	0.93	0.90	0.81	0.64	0.62	0.73	0.69	0.76	0.98
CRMS 0163	1.85	1.88	1.82	1.90	1.83	1.94	1.84	1.84	1.91	1.78	1.83	1.84
CRMS 0162	1.80	1.74	1.85	1.84	1.84	1.96	2.00	1.92	1.56	1.24	1.51	1.87

V3PR8 HYST - cy 2 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.07	1.98	1.98	2.00	1.93	1.99	1.99	1.90	1.88	1.86	1.89	1.99
CRMS0276 - Just east of Wilkinson Canal	1.59	1.49	1.54	1.63	1.60	1.49	1.50	1.20	1.28	1.01	0.97	1.55
Barataria Waterway at Lafitte (USACE82875)	1.77	1.75	1.68	1.62	1.67	1.47	1.30	1.29	1.55	1.43	1.44	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	2.59	2.14	1.91	1.96	1.89	1.96	1.94	1.35	1.17	1.35	1.77	1.91
USGS7380251 Barataria Bay North of Grand Isle	1.74	1.59	1.75	1.83	1.77	1.78	1.66	1.01	0.90	0.91	1.18	1.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.77	1.64	1.81	1.89	1.83	1.89	1.85	1.13	0.98	0.94	1.11	1.84
USGS 07380335 - Little Lake Near Cutoff	1.64	1.55	1.76	1.83	1.78	1.80	1.74	1.12	0.96	0.85	0.96	1.77
USGS073802516 Barataria Pass at Grand Isle	1.59	1.50	1.54	1.52	1.46	1.32	1.27	1.02	0.88	0.82	0.94	1.57
HWQ14 - Lake Washington	1.54	1.48	1.45	1.43	1.34	1.22	1.12	0.88	0.80	0.81	0.99	1.45
HWQ16 - Bayou Grand Liard	1.28	1.29	1.48	1.56	1.51	1.36	1.23	1.04	0.93	0.73	0.72	1.40
CRMS 3985	1.54	1.48	1.58	1.58	1.53	1.46	1.34	0.99	0.83	0.85	1.05	1.58
CRMS 0258	2.00	1.73	1.67	1.76	1.67	1.69	1.68	1.27	1.06	0.93	1.28	1.71
CRMS 0224	1.90	1.67	1.71	1.81	1.72	1.78	1.75	1.07	0.97	0.92	1.14	1.73
CRMS 0163	1.87	1.89	1.82	1.88	1.82	1.92	1.76	1.85	1.96	1.82	1.81	1.83
CRMS 0162	1.80	1.77	1.85	1.83	1.84	1.95	2.00	1.96	1.73	1.46	1.54	1.86

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.19	1.00	1.14	1.34	1.28	1.38	1.40	1.29	1.28	1.23	1.13	1.13
CRMS0276 - Just east of Wilkinson Canal	0.27	0.03	-0.03	-0.02	-0.09	0.06	0.39	0.14	0.00	-0.01	-0.02	-0.04
Barataria Waterway at Lafitte (USACE82875)	-0.04	-0.10	-0.16	-0.27	-0.19	-0.33	-0.43	-0.34	-0.20	-0.21	-0.26	-0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	1.65	1.16	1.18	1.24	1.14	1.24	1.33	0.76	0.57	0.73	1.01	1.05
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.51	0.68	1.19	1.22	1.24	1.07	0.39	0.19	0.16	0.36	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.62	0.90	1.14	1.19	1.30	1.29	0.53	0.35	0.31	0.43	0.98
USGS 07380335 - Little Lake Near Cutoff	0.63	0.47	0.78	0.91	0.99	1.14	1.09	0.40	0.24	0.19	0.28	0.81
USGS073802516 Barataria Pass at Grand Isle	0.69	0.49	0.64	0.72	0.73	0.66	0.64	0.35	0.24	0.19	0.29	0.69
HWQ14 - Lake Washington	0.80	0.51	0.51	0.82	0.82	0.71	0.60	0.35	0.20	0.17	0.27	0.68
HWQ16 - Bayou Grand Liard	0.19	0.15	0.30	0.36	0.28	0.27	0.23	0.09	0.07	0.05	0.07	0.30
CRMS 3985	0.70	0.29	0.35	0.91	0.99	0.90	0.71	0.31	-0.01	-0.03	0.14	0.98
CRMS 0258	0.85	0.61	0.64	0.69	0.59	0.61	0.70	0.32	0.23	0.14	0.31	0.49
CRMS 0224	0.89	0.59	0.85	0.87	0.82	0.98	1.11	0.46	0.24	0.23	0.39	0.76
CRMS 0163	0.02	0.01	0.00	-0.02	-0.01	-0.01	-0.08	0.01	0.05	0.04	-0.02	-0.01
CRMS 0162	0.00	0.03	0.00	-0.01	0.00	-0.01	0.00	0.03	0.17	0.22	0.03	-0.01

Figure WQ TOTN 115 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.19	1.24	0.90	0.69	0.68	0.62	0.56	0.59	0.58	0.62	0.86	0.95
CRMS0276 - Just east of Wilkinson Canal	1.52	1.66	1.70	1.66	1.56	1.34	0.96	0.77	1.18	0.97	1.35	1.68
Barataria Waterway at Lafitte (USACE82875)	1.86	1.90	1.88	1.91	1.86	1.74	1.55	1.48	1.81	1.65	1.85	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.24	0.83	0.75	0.77	0.72	0.60	0.58	0.56	0.58	0.82	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.26	1.06	0.65	0.57	0.56	0.59	0.75	0.77	0.77	0.80	1.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.23	1.02	0.76	0.63	0.58	0.56	0.56	0.62	0.61	0.76	1.01
USGS 07380335 - Little Lake Near Cutoff	1.21	1.29	1.13	0.92	0.74	0.62	0.62	0.56	0.68	0.63	0.82	1.14
USGS073802516 Barataria Pass at Grand Isle	1.13	1.22	1.02	0.80	0.70	0.61	0.59	0.54	0.62	0.60	0.73	1.02
HWQ14 - Lake Washington	1.04	1.16	0.96	0.61	0.54	0.51	0.52	0.60	0.65	0.65	0.70	0.91
HWQ16 - Bayou Grand Liard	1.28	1.33	1.34	1.21	1.09	0.90	0.79	0.62	0.77	0.64	0.88	1.28
CRMS 3985	1.17	1.33	1.17	0.65	0.56	0.58	0.66	0.98	0.95	0.92	0.82	1.07
CRMS 0258	1.33	1.42	1.17	1.08	1.07	1.07	0.84	0.68	0.68	0.73	1.18	1.35
CRMS 0224	1.20	1.31	1.01	0.95	0.86	0.76	0.61	0.56	0.66	0.64	0.87	1.15
CRMS 0163	1.87	1.92	1.87	1.93	1.97	1.90	1.67	1.72	1.90	1.77	1.86	1.84
CRMS 0162	1.88	1.87	1.92	1.89	1.85	1.87	1.95	1.64	1.38	1.29	1.75	1.89

V3PR9 HYST - cy 2 - 1985 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.14	1.19	0.87	0.67	0.66	0.59	0.55	0.58	0.57	0.61	0.89	0.97
CRMS0276 - Just east of Wilkinson Canal	1.50	1.61	1.66	1.56	1.44	1.24	0.92	0.72	1.09	0.84	1.20	1.65
Barataria Waterway at Lafitte (USACE82875)	1.78	1.81	1.75	1.61	1.53	1.47	1.26	1.09	1.44	1.30	1.63	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.12	1.19	0.80	0.71	0.73	0.68	0.57	0.56	0.54	0.56	0.79	0.92
USGS7380251 Barataria Bay North of Grand Isle	1.04	1.17	1.02	0.63	0.55	0.54	0.58	0.75	0.78	0.79	0.97	1.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.17	0.96	0.72	0.61	0.55	0.54	0.53	0.59	0.59	0.74	1.02
USGS 07380335 - Little Lake Near Cutoff	1.19	1.24	1.08	0.89	0.69	0.59	0.60	0.54	0.66	0.60	0.76	1.13
USGS073802516 Barataria Pass at Grand Isle	1.11	1.17	0.98	0.78	0.67	0.59	0.57	0.52	0.60	0.58	0.72	1.04
HWQ14 - Lake Washington	0.97	1.08	0.92	0.59	0.53	0.50	0.52	0.61	0.66	0.66	0.82	0.98
HWQ16 - Bayou Grand Liard	1.28	1.31	1.33	1.19	1.04	0.87	0.77	0.60	0.74	0.59	0.83	1.27
CRMS 3985	1.03	1.22	1.14	0.64	0.55	0.57	0.65	0.99	0.96	0.97	1.09	0.95
CRMS 0258	1.31	1.40	1.15	1.04	1.00	1.03	0.81	0.65	0.63	0.66	1.04	1.32
CRMS 0224	1.17	1.27	0.96	0.90	0.81	0.70	0.58	0.53	0.62	0.59	0.78	1.12
CRMS 0163	1.87	1.91	1.85	1.91	1.94	1.87	1.63	1.69	1.89	1.75	1.83	1.84
CRMS 0162	1.88	1.86	1.91	1.89	1.84	1.87	1.97	1.71	1.47	1.40	1.73	1.89

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.06	-0.03	-0.02	-0.02	-0.03	-0.02	-0.01	-0.01	0.00	0.03	0.02
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.05	-0.04	-0.09	-0.12	-0.09	-0.04	-0.05	-0.08	-0.13	-0.15	-0.03
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.09	-0.13	-0.30	-0.33	-0.27	-0.29	-0.39	-0.37	-0.34	-0.22	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.05	-0.03	-0.03	-0.04	-0.04	-0.03	-0.02	-0.02	-0.02	-0.03	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.09	-0.09	-0.04	-0.02	-0.01	-0.01	-0.01	0.00	0.01	0.02	0.16	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.06	-0.06	-0.03	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.04	-0.05	-0.04	-0.04	-0.03	-0.02	-0.02	-0.03	-0.04	-0.06	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.05	-0.05	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	0.00	0.03
HWQ14 - Lake Washington	-0.07	-0.08	-0.04	-0.02	-0.01	-0.01	0.00	0.01	0.01	0.02	0.11	0.08
HWQ16 - Bayou Grand Liard	0.01	-0.02	-0.01	-0.02	-0.05	-0.03	-0.01	-0.02	-0.02	-0.05	-0.05	-0.01
CRMS 3985	-0.14	-0.11	-0.03	-0.01	-0.01	-0.01	0.00	0.01	0.01	0.05	0.27	-0.12
CRMS 0258	-0.03	-0.02	-0.02	-0.04	-0.07	-0.05	-0.04	-0.03	-0.05	-0.07	-0.13	-0.03
CRMS 0224	-0.03	-0.04	-0.05	-0.04	-0.06	-0.06	-0.03	-0.03	-0.04	-0.05	-0.10	-0.03
CRMS 0163	0.00	0.00	-0.01	-0.02	-0.04	-0.03	-0.04	-0.03	0.00	-0.02	-0.03	0.00
CRMS 0162	0.00	-0.01	0.00	-0.01	-0.02	-0.01	0.01	0.07	0.09	0.11	-0.03	0.00

Figure WQ TOTN 116 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.26	0.90	0.67	0.67	0.61	0.55	0.56	0.55	0.59	0.72	0.94
CRMS0276 - Just east of Wilkinson Canal	1.35	1.66	1.70	1.65	1.65	1.35	0.93	0.86	1.10	0.88	1.00	1.46
Barataria Waterway at Lafitte (USACE82875)	1.79	1.85	1.88	1.91	1.90	1.71	1.62	1.53	1.73	1.55	1.72	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.23	0.83	0.73	0.77	0.73	0.59	0.55	0.54	0.56	0.70	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.33	1.02	0.60	0.53	0.52	0.53	0.69	0.73	0.73	0.83	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.26	1.03	0.74	0.63	0.57	0.53	0.54	0.59	0.58	0.65	0.92
USGS 07380335 - Little Lake Near Cutoff	1.15	1.30	1.16	0.92	0.76	0.63	0.59	0.59	0.65	0.60	0.64	0.94
USGS073802516 Barataria Pass at Grand Isle	1.14	1.25	1.05	0.79	0.72	0.63	0.56	0.55	0.59	0.57	0.62	0.90
HWQ14 - Lake Washington	1.22	1.24	0.95	0.58	0.52	0.49	0.49	0.54	0.61	0.61	0.70	0.98
HWQ16 - Bayou Grand Liard	1.10	1.36	1.37	1.22	1.20	0.92	0.75	0.72	0.75	0.59	0.65	0.99
CRMS 3985	1.44	1.39	1.03	0.57	0.50	0.52	0.55	0.93	0.90	0.87	0.98	1.34
CRMS 0258	1.26	1.37	1.17	1.07	1.10	1.07	0.85	0.69	0.67	0.68	0.84	1.15
CRMS 0224	1.16	1.29	1.04	0.93	0.90	0.78	0.60	0.55	0.64	0.61	0.69	0.94
CRMS 0163	1.82	1.84	1.87	1.92	1.95	1.91	1.77	1.74	1.88	1.69	1.83	1.84
CRMS 0162	1.82	1.85	1.91	1.89	1.93	1.92	1.99	1.68	1.22	1.02	1.54	1.82

V3PR9 HYST - cy 2 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.93	1.03	0.71	0.60	0.62	0.57	0.52	0.56	0.56	0.59	0.75	0.83
CRMS0276 - Just east of Wilkinson Canal	1.27	1.61	1.66	1.55	1.57	1.28	0.91	0.84	1.07	0.79	0.88	1.36
Barataria Waterway at Lafitte (USACE82875)	1.71	1.75	1.76	1.59	1.62	1.47	1.28	1.19	1.39	1.27	1.43	1.74
USGS2928590900040000 Barataria Waterway South of Lafitte	0.91	1.04	0.70	0.67	0.72	0.69	0.55	0.54	0.53	0.55	0.68	0.77
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.99	0.65	0.49	0.48	0.49	0.53	0.73	0.75	0.76	0.91	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.03	0.80	0.64	0.58	0.53	0.51	0.54	0.58	0.57	0.64	0.81
USGS 07380335 - Little Lake Near Cutoff	0.94	1.13	0.98	0.82	0.70	0.59	0.57	0.60	0.65	0.57	0.61	0.85
USGS073802516 Barataria Pass at Grand Isle	0.86	1.04	0.83	0.70	0.68	0.60	0.55	0.56	0.60	0.56	0.63	0.82
HWQ14 - Lake Washington	0.73	0.91	0.62	0.46	0.46	0.46	0.48	0.57	0.63	0.64	0.78	0.79
HWQ16 - Bayou Grand Liard	1.04	1.30	1.32	1.17	1.17	0.89	0.76	0.75	0.75	0.56	0.63	0.95
CRMS 3985	0.77	0.95	0.52	0.42	0.45	0.50	0.60	0.97	0.92	0.93	1.06	0.62
CRMS 0258	1.13	1.30	1.13	1.02	1.03	1.03	0.81	0.67	0.65	0.63	0.71	1.00
CRMS 0224	0.94	1.15	0.91	0.85	0.83	0.73	0.57	0.54	0.63	0.58	0.62	0.82
CRMS 0163	1.82	1.84	1.86	1.89	1.94	1.89	1.72	1.71	1.88	1.73	1.80	1.87
CRMS 0162	1.82	1.85	1.91	1.89	1.93	1.91	1.99	1.74	1.31	1.19	1.53	1.86

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.34	-0.23	-0.18	-0.07	-0.05	-0.04	-0.02	0.00	0.00	0.00	0.03	-0.11
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.05	-0.04	-0.10	-0.09	-0.08	-0.02	-0.01	-0.04	-0.09	-0.12	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.10	-0.12	-0.31	-0.28	-0.24	-0.34	-0.34	-0.34	-0.28	-0.29	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.29	-0.19	-0.13	-0.06	-0.05	-0.04	-0.03	-0.01	-0.01	-0.01	-0.02	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.54	-0.33	-0.37	-0.11	-0.05	-0.03	0.01	0.04	0.01	0.03	0.09	-0.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.32	-0.23	-0.23	-0.10	-0.06	-0.04	-0.02	0.00	-0.01	-0.01	-0.01	-0.11
USGS 07380335 - Little Lake Near Cutoff	-0.20	-0.17	-0.18	-0.10	-0.06	-0.04	-0.02	0.01	0.00	-0.02	-0.03	-0.09
USGS073802516 Barataria Pass at Grand Isle	-0.28	-0.21	-0.21	-0.09	-0.04	-0.03	-0.02	0.01	0.01	-0.01	0.01	-0.07
HWQ14 - Lake Washington	-0.50	-0.33	-0.34	-0.11	-0.06	-0.04	-0.01	0.03	0.02	0.03	0.08	-0.19
HWQ16 - Bayou Grand Liard	-0.06	-0.06	-0.05	-0.05	-0.03	-0.02	0.01	0.03	0.00	-0.02	-0.02	-0.05
CRMS 3985	-0.67	-0.44	-0.50	-0.14	-0.06	-0.01	0.05	0.05	0.02	0.05	0.08	-0.72
CRMS 0258	-0.13	-0.07	-0.05	-0.05	-0.07	-0.04	-0.03	-0.02	-0.02	-0.05	-0.14	-0.15
CRMS 0224	-0.22	-0.14	-0.13	-0.08	-0.06	-0.05	-0.03	-0.01	-0.02	-0.03	-0.07	-0.12
CRMS 0163	0.00	0.00	-0.01	-0.03	-0.01	-0.02	-0.05	-0.03	0.00	0.03	-0.02	0.03
CRMS 0162	0.00	0.01	0.00	0.00	0.00	-0.01	-0.01	0.06	0.09	0.17	-0.02	0.03

Figure WQ TOTN 117 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.17	1.21	0.86	0.60	0.59	0.51	0.52	0.55	0.53	0.58	0.78	0.93
CRMS0276 - Just east of Wilkinson Canal	1.17	1.57	1.48	1.48	1.45	1.15	0.64	0.59	0.80	0.91	1.21	1.43
Barataria Waterway at Lafitte (USACE82875)	1.72	1.83	1.85	1.85	1.84	1.62	1.35	1.37	1.33	1.70	1.81	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.15	0.77	0.62	0.63	0.58	0.51	0.52	0.49	0.51	0.72	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.31	1.31	1.14	0.61	0.54	0.53	0.73	0.73	0.75	0.78	0.82	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.18	1.00	0.68	0.56	0.51	0.53	0.50	0.55	0.56	0.72	0.93
USGS 07380335 - Little Lake Near Cutoff	1.05	1.21	1.04	0.81	0.64	0.54	0.51	0.48	0.55	0.55	0.74	0.98
USGS073802516 Barataria Pass at Grand Isle	1.07	1.17	0.99	0.72	0.61	0.53	0.50	0.47	0.53	0.53	0.69	0.91
HWQ14 - Lake Washington	1.19	1.21	1.05	0.59	0.50	0.48	0.59	0.57	0.63	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.97	1.25	1.14	1.03	0.96	0.77	0.53	0.51	0.59	0.55	0.78	1.01
CRMS 3985	1.44	1.39	1.29	0.63	0.59	0.62	1.01	1.00	0.93	0.95	0.87	1.29
CRMS 0258	1.07	1.24	0.90	0.93	0.93	0.78	0.61	0.55	0.51	0.56	0.97	1.18
CRMS 0224	1.06	1.18	0.90	0.81	0.73	0.65	0.52	0.48	0.52	0.53	0.77	0.98
CRMS 0163	1.77	1.85	1.87	1.89	1.88	1.74	1.49	1.59	1.46	1.81	1.85	1.84
CRMS 0162	1.73	1.81	1.79	1.69	1.71	1.73	1.60	1.12	0.72	1.44	1.70	1.84

V3PR9 HYST - cy 2 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.22	0.88	0.62	0.59	0.51	0.53	0.56	0.54	0.59	0.84	1.00
CRMS0276 - Just east of Wilkinson Canal	1.15	1.51	1.43	1.35	1.33	1.07	0.62	0.54	0.76	0.81	1.04	1.37
Barataria Waterway at Lafitte (USACE82875)	1.58	1.69	1.62	1.49	1.43	1.30	1.00	0.89	1.09	1.36	1.54	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.15	0.78	0.61	0.60	0.55	0.51	0.53	0.49	0.51	0.71	0.84
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.32	1.16	0.74	0.62	0.57	0.77	0.76	0.76	0.81	1.03	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.18	0.99	0.69	0.58	0.52	0.54	0.51	0.54	0.55	0.72	0.98
USGS 07380335 - Little Lake Near Cutoff	1.06	1.19	1.03	0.78	0.62	0.54	0.52	0.48	0.54	0.54	0.69	0.98
USGS073802516 Barataria Pass at Grand Isle	1.10	1.17	0.99	0.73	0.62	0.54	0.51	0.47	0.53	0.53	0.70	0.97
HWQ14 - Lake Washington	1.24	1.24	1.07	0.70	0.58	0.52	0.64	0.62	0.65	0.67	0.87	1.10
HWQ16 - Bayou Grand Liard	0.96	1.23	1.13	0.98	0.90	0.75	0.53	0.51	0.57	0.54	0.73	0.99
CRMS 3985	1.47	1.40	1.33	0.88	0.74	0.68	1.03	1.02	0.94	1.00	1.21	1.35
CRMS 0258	1.09	1.23	0.97	0.86	0.84	0.70	0.57	0.53	0.48	0.55	0.77	1.06
CRMS 0224	1.08	1.17	0.91	0.76	0.67	0.60	0.51	0.48	0.50	0.51	0.67	0.93
CRMS 0163	1.76	1.83	1.83	1.83	1.80	1.70	1.44	1.55	1.59	1.78	1.81	1.84
CRMS 0162	1.74	1.81	1.78	1.66	1.67	1.72	1.69	1.21	0.76	1.55	1.67	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.01	0.02	0.02	0.00	0.00	0.01	0.01	0.01	0.01	0.07	0.07
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.06	-0.05	-0.13	-0.12	-0.08	-0.02	-0.05	-0.04	-0.10	-0.17	-0.06
Barataria Waterway at Lafitte (USACE82875)	-0.13	-0.14	-0.23	-0.36	-0.41	-0.32	-0.34	-0.47	-0.24	-0.34	-0.26	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.00	0.01	-0.02	-0.03	-0.03	0.00	0.01	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.04	0.01	0.03	0.13	0.08	0.04	0.04	0.04	0.01	0.03	0.21	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.00	-0.01	0.01	0.02	0.01	0.01	0.01	0.00	-0.01	0.00	0.05
USGS 07380335 - Little Lake Near Cutoff	0.01	-0.01	0.00	-0.03	-0.02	0.00	0.01	0.00	-0.01	-0.02	-0.06	0.01
USGS073802516 Barataria Pass at Grand Isle	0.02	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.05
HWQ14 - Lake Washington	0.05	0.02	0.02	0.11	0.08	0.04	0.05	0.05	0.02	0.03	0.15	0.14
HWQ16 - Bayou Grand Liard	-0.02	-0.02	-0.01	-0.06	-0.05	-0.02	0.00	-0.01	-0.02	-0.02	-0.05	-0.03
CRMS 3985	0.03	0.01	0.04	0.25	0.15	0.05	0.03	0.02	0.01	0.05	0.34	0.06
CRMS 0258	0.02	-0.01	0.07	-0.06	-0.08	-0.08	-0.04	-0.02	-0.03	-0.01	-0.20	-0.12
CRMS 0224	0.02	-0.02	0.01	-0.05	-0.06	-0.05	-0.01	0.00	-0.02	-0.02	-0.10	-0.05
CRMS 0163	-0.01	-0.01	-0.04	-0.06	-0.08	-0.04	-0.05	-0.04	0.13	-0.03	-0.04	0.00
CRMS 0162	0.00	-0.01	-0.01	-0.03	-0.04	-0.01	0.09	0.09	0.04	0.11	-0.03	-0.01

Figure WQ TOTN 118 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.28	0.91	0.68	0.68	0.62	0.60	0.63	0.63	0.65	0.80	0.94
CRMS0276 - Just east of Wilkinson Canal	1.32	1.69	1.67	1.63	1.58	1.48	1.15	1.11	1.34	1.07	1.05	1.29
Barataria Waterway at Lafitte (USACE82875)	1.79	1.86	1.90	1.90	1.86	1.79	1.78	1.66	1.78	1.70	1.68	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	0.84	0.72	0.75	0.72	0.61	0.60	0.64	0.64	0.81	0.89
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.32	1.03	0.64	0.57	0.56	0.59	0.66	0.76	0.77	0.87	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.28	1.01	0.74	0.63	0.58	0.58	0.60	0.65	0.64	0.73	0.91
USGS 07380335 - Little Lake Near Cutoff	1.13	1.33	1.13	0.90	0.73	0.66	0.66	0.71	0.75	0.68	0.73	0.89
USGS073802516 Barataria Pass at Grand Isle	1.13	1.27	1.02	0.78	0.68	0.64	0.64	0.67	0.67	0.64	0.69	0.87
HWQ14 - Lake Washington	1.22	1.24	0.94	0.60	0.53	0.51	0.52	0.56	0.64	0.65	0.74	1.00
HWQ16 - Bayou Grand Liard	1.11	1.40	1.32	1.17	1.08	1.04	0.98	0.98	0.89	0.70	0.69	0.88
CRMS 3985	1.44	1.38	1.11	0.64	0.57	0.58	0.64	0.79	0.91	0.91	1.00	1.36
CRMS 0258	1.23	1.40	1.17	1.07	1.06	1.10	0.99	0.96	0.92	0.84	1.05	1.06
CRMS 0224	1.13	1.33	1.01	0.92	0.85	0.80	0.65	0.63	0.77	0.72	0.82	0.92
CRMS 0163	1.81	1.85	1.92	1.91	1.93	1.91	1.84	1.81	1.90	1.81	1.81	1.83
CRMS 0162	1.83	1.88	1.90	1.83	1.83	1.93	1.97	1.91	1.66	1.57	1.46	1.75

V3PR9 HYST - cy 2 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.17	0.87	0.65	0.65	0.59	0.61	0.63	0.62	0.66	0.74	0.72
CRMS0276 - Just east of Wilkinson Canal	1.20	1.65	1.60	1.53	1.46	1.38	1.01	1.03	1.26	1.00	0.94	1.09
Barataria Waterway at Lafitte (USACE82875)	1.67	1.76	1.72	1.58	1.53	1.50	1.35	1.29	1.52	1.41	1.45	1.53
USGS2928590900040000 Barataria Waterway South of Lafitte	0.99	1.14	0.78	0.67	0.71	0.67	0.58	0.59	0.62	0.63	0.75	0.73
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.21	1.02	0.63	0.56	0.57	0.76	0.70	0.75	0.79	0.66	0.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.95	1.16	0.95	0.70	0.60	0.56	0.58	0.61	0.63	0.63	0.65	0.68
USGS 07380335 - Little Lake Near Cutoff	0.95	1.23	1.06	0.85	0.69	0.61	0.62	0.72	0.72	0.66	0.66	0.72
USGS073802516 Barataria Pass at Grand Isle	0.93	1.17	0.97	0.75	0.66	0.61	0.60	0.67	0.65	0.62	0.63	0.68
HWQ14 - Lake Washington	1.01	1.12	0.92	0.59	0.52	0.51	0.65	0.60	0.63	0.68	0.64	0.63
HWQ16 - Bayou Grand Liard	1.01	1.36	1.28	1.13	1.03	1.00	0.90	0.95	0.88	0.67	0.66	0.81
CRMS 3985	1.21	1.28	1.13	0.65	0.56	0.63	1.00	0.87	0.90	0.92	0.56	0.83
CRMS 0258	1.07	1.34	1.14	1.00	0.98	1.04	0.95	0.95	0.88	0.77	0.93	0.89
CRMS 0224	0.93	1.23	0.95	0.85	0.78	0.74	0.61	0.61	0.73	0.67	0.73	0.76
CRMS 0163	1.80	1.84	1.91	1.88	1.88	1.87	1.74	1.80	1.90	1.81	1.83	1.82
CRMS 0162	1.83	1.88	1.89	1.83	1.81	1.91	1.94	1.92	1.73	1.72	1.52	1.79

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.19	-0.11	-0.04	-0.03	-0.03	-0.03	0.01	0.00	-0.01	0.00	-0.07	-0.22
CRMS0276 - Just east of Wilkinson Canal	-0.12	-0.04	-0.07	-0.11	-0.12	-0.11	-0.14	-0.08	-0.08	-0.07	-0.12	-0.20
Barataria Waterway at Lafitte (USACE82875)	-0.12	-0.10	-0.18	-0.32	-0.33	-0.29	-0.43	-0.38	-0.26	-0.29	-0.23	-0.28
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.20	-0.12	-0.05	-0.05	-0.05	-0.05	-0.03	-0.01	-0.03	-0.02	-0.06	-0.15
USGS7380251 Barataria Bay North of Grand Isle	-0.21	-0.11	-0.01	-0.01	-0.01	0.01	0.17	0.03	-0.01	0.02	-0.21	-0.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.21	-0.12	-0.06	-0.04	-0.03	-0.03	0.00	0.01	-0.03	-0.01	-0.08	-0.23
USGS 07380335 - Little Lake Near Cutoff	-0.18	-0.10	-0.07	-0.05	-0.04	-0.05	-0.05	0.01	-0.03	-0.02	-0.07	-0.17
USGS073802516 Barataria Pass at Grand Isle	-0.20	-0.10	-0.06	-0.03	-0.02	-0.03	-0.04	0.00	-0.01	-0.01	-0.06	-0.20
HWQ14 - Lake Washington	-0.22	-0.13	-0.02	-0.01	-0.01	0.00	0.12	0.05	-0.01	0.03	-0.10	-0.37
HWQ16 - Bayou Grand Liard	-0.10	-0.05	-0.04	-0.03	-0.04	-0.05	-0.08	-0.03	-0.01	-0.03	-0.03	-0.07
CRMS 3985	-0.22	-0.10	0.02	0.01	-0.01	0.05	0.36	0.08	-0.01	0.01	-0.44	-0.53
CRMS 0258	-0.16	-0.05	-0.03	-0.07	-0.08	-0.05	-0.04	-0.02	-0.05	-0.07	-0.13	-0.16
CRMS 0224	-0.20	-0.09	-0.07	-0.07	-0.07	-0.06	-0.04	-0.02	-0.04	-0.05	-0.09	-0.16
CRMS 0163	-0.01	-0.01	-0.01	-0.03	-0.04	-0.04	-0.11	-0.01	0.00	-0.01	0.02	-0.01
CRMS 0162	0.00	0.00	-0.01	0.00	-0.01	-0.02	-0.03	0.00	0.06	0.14	0.06	0.03

Figure WQ TOTN 119 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.88	0.97	0.84	0.66	0.65	0.61	0.59	0.61	0.60	0.63	0.76	0.85
CRMS0276 - Just east of Wilkinson Canal	1.33	1.46	1.58	1.65	1.69	1.42	1.11	1.06	1.28	1.02	0.99	1.59
Barataria Waterway at Lafitte (USACE82875)	1.81	1.85	1.84	1.89	1.86	1.80	1.73	1.63	1.75	1.64	1.70	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	0.98	0.73	0.71	0.75	0.72	0.61	0.59	0.60	0.61	0.76	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.81	1.08	1.07	0.64	0.54	0.54	0.58	0.61	0.71	0.75	0.82	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.02	0.91	0.75	0.64	0.59	0.57	0.60	0.62	0.63	0.69	0.85
USGS 07380335 - Little Lake Near Cutoff	1.01	1.08	0.98	0.92	0.79	0.67	0.65	0.71	0.72	0.66	0.68	0.95
USGS073802516 Barataria Pass at Grand Isle	0.91	1.01	0.90	0.80	0.73	0.66	0.63	0.67	0.64	0.62	0.66	0.87
HWQ14 - Lake Washington	0.74	0.97	0.94	0.61	0.52	0.51	0.52	0.53	0.60	0.64	0.72	0.77
HWQ16 - Bayou Grand Liard	1.09	1.14	1.19	1.20	1.23	1.09	0.99	0.95	0.86	0.68	0.66	1.09
CRMS 3985	0.84	1.20	1.23	0.67	0.54	0.56	0.63	0.68	0.84	0.88	0.91	0.60
CRMS 0258	1.15	1.12	1.03	1.07	1.09	1.08	0.98	0.95	0.84	0.80	0.97	1.22
CRMS 0224	1.01	1.08	0.86	0.93	0.90	0.81	0.64	0.62	0.73	0.69	0.76	0.98
CRMS 0163	1.85	1.88	1.82	1.90	1.83	1.94	1.84	1.84	1.91	1.78	1.83	1.84
CRMS 0162	1.80	1.74	1.85	1.84	1.84	1.96	2.00	1.92	1.56	1.24	1.51	1.87

V3PR9 HYST - cy 2 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.22	0.94	0.68	0.65	0.60	0.59	0.62	0.60	0.64	0.79	1.00
CRMS0276 - Just east of Wilkinson Canal	1.37	1.43	1.45	1.57	1.63	1.37	1.06	1.01	1.20	0.91	0.87	1.46
Barataria Waterway at Lafitte (USACE82875)	1.74	1.72	1.67	1.62	1.67	1.50	1.36	1.28	1.48	1.35	1.36	1.70
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.19	0.80	0.74	0.72	0.70	0.60	0.59	0.59	0.60	0.74	0.89
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.33	1.17	0.67	0.55	0.55	0.59	0.66	0.74	0.78	0.94	1.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.21	0.99	0.76	0.63	0.58	0.56	0.58	0.62	0.61	0.67	0.93
USGS 07380335 - Little Lake Near Cutoff	1.17	1.21	1.03	0.92	0.77	0.65	0.65	0.70	0.71	0.63	0.63	0.94
USGS073802516 Barataria Pass at Grand Isle	1.16	1.19	0.99	0.82	0.73	0.66	0.63	0.65	0.65	0.61	0.65	0.92
HWQ14 - Lake Washington	1.23	1.25	1.07	0.64	0.53	0.51	0.53	0.56	0.63	0.66	0.80	1.05
HWQ16 - Bayou Grand Liard	1.13	1.18	1.17	1.19	1.22	1.07	0.98	0.92	0.85	0.63	0.62	1.06
CRMS 3985	1.43	1.41	1.32	0.72	0.56	0.57	0.64	0.77	0.89	0.94	1.13	1.33
CRMS 0258	1.25	1.21	0.94	1.09	1.03	1.06	0.97	0.94	0.80	0.73	0.86	1.11
CRMS 0224	1.18	1.20	0.86	0.94	0.86	0.77	0.63	0.61	0.71	0.64	0.69	0.91
CRMS 0163	1.85	1.88	1.80	1.87	1.82	1.93	1.78	1.80	1.90	1.76	1.77	1.81
CRMS 0162	1.80	1.76	1.85	1.84	1.84	1.96	2.00	1.90	1.66	1.34	1.50	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.36	0.24	0.10	0.02	-0.01	-0.01	0.00	0.01	0.01	0.01	0.03	0.15
CRMS0276 - Just east of Wilkinson Canal	0.04	-0.03	-0.12	-0.08	-0.06	-0.06	-0.05	-0.05	-0.09	-0.11	-0.12	-0.13
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.14	-0.17	-0.27	-0.19	-0.29	-0.37	-0.35	-0.27	-0.29	-0.33	-0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.26	0.21	0.07	0.02	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	-0.02	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.52	0.25	0.10	0.03	0.01	0.01	0.01	0.04	0.03	0.03	0.12	0.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.19	0.08	0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.02	-0.02	0.08
USGS 07380335 - Little Lake Near Cutoff	0.17	0.13	0.05	0.00	-0.02	-0.02	0.00	-0.02	-0.01	-0.03	-0.05	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.26	0.18	0.09	0.02	0.00	-0.01	-0.01	-0.02	0.01	-0.02	-0.01	0.05
HWQ14 - Lake Washington	0.49	0.28	0.13	0.04	0.01	0.01	0.01	0.03	0.03	0.02	0.08	0.27
HWQ16 - Bayou Grand Liard	0.04	0.04	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	-0.05	-0.03	-0.04
CRMS 3985	0.59	0.22	0.09	0.05	0.02	0.01	0.01	0.10	0.04	0.05	0.22	0.73
CRMS 0258	0.10	0.09	-0.09	0.02	-0.06	-0.02	-0.01	-0.01	-0.03	-0.07	-0.11	-0.11
CRMS 0224	0.17	0.12	0.00	0.00	-0.04	-0.03	-0.01	-0.01	-0.02	-0.05	-0.07	-0.06
CRMS 0163	0.00	0.00	-0.02	-0.03	-0.01	-0.01	-0.06	-0.04	-0.01	-0.03	-0.06	-0.03
CRMS 0162	0.00	0.02	0.00	0.00	0.00	0.00	0.00	-0.02	0.10	0.10	-0.01	-0.03

Figure WQ TOTN 120 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.21	0.95	0.79	0.78	0.72	0.63	0.62	0.60	0.62	0.82	0.98
CRMS0276 - Just east of Wilkinson Canal	1.36	1.69	1.65	1.75	1.74	1.66	1.01	0.74	1.05	1.00	1.23	1.36
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.90	1.90	1.94	1.91	1.58	1.40	1.71	1.72	1.72	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.26	0.96	0.92	0.91	0.85	0.66	0.61	0.57	0.58	0.79	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.19	1.04	0.67	0.59	0.57	0.60	0.72	0.73	0.77	0.98	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.21	1.04	0.84	0.71	0.66	0.61	0.56	0.59	0.58	0.77	1.01
USGS 07380335 - Little Lake Near Cutoff	1.10	1.28	1.15	1.03	0.84	0.77	0.69	0.57	0.64	0.61	0.80	1.02
USGS073802516 Barataria Pass at Grand Isle	1.04	1.19	1.02	0.87	0.76	0.74	0.66	0.54	0.58	0.56	0.73	0.97
HWQ14 - Lake Washington	0.94	1.09	0.93	0.63	0.56	0.54	0.54	0.56	0.60	0.61	0.79	1.00
HWQ16 - Bayou Grand Liard	1.09	1.35	1.27	1.28	1.21	1.17	0.83	0.61	0.69	0.63	0.78	0.95
CRMS 3985	0.97	1.26	1.15	0.67	0.57	0.58	0.65	0.94	0.90	0.95	1.16	1.09
CRMS 0258	1.26	1.48	1.32	1.34	1.26	1.24	0.87	0.67	0.73	0.70	1.01	1.27
CRMS 0224	1.13	1.35	1.14	1.15	1.03	0.94	0.69	0.58	0.65	0.61	0.84	1.10
CRMS 0163	1.82	1.89	1.94	1.93	1.97	1.99	1.72	1.69	1.81	1.81	1.85	1.90
CRMS 0162	1.79	1.82	1.76	1.82	1.80	1.94	1.97	1.48	1.01	1.42	1.52	1.72

V3PR2 HYST - cy 3 - 2002 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.97	2.00	1.99	1.99	1.99	1.93	1.91	1.89	1.86	1.87	1.93
CRMS0276 - Just east of Wilkinson Canal	1.47	1.68	1.64	1.71	1.66	1.54	1.03	0.82	1.04	1.02	1.24	1.37
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.89	1.90	1.93	1.90	1.55	1.42	1.69	1.73	1.72	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.95	1.83	1.95	1.86	1.87	1.85	1.29	1.23	1.07	1.17	1.59	1.78
USGS7380251 Barataria Bay North of Grand Isle	1.56	1.58	1.55	1.56	1.52	1.35	0.93	0.88	0.92	0.91	1.14	1.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.52	1.63	1.57	1.55	1.53	1.41	0.98	0.79	0.83	0.79	1.01	1.35
USGS 07380335 - Little Lake Near Cutoff	1.42	1.57	1.49	1.45	1.41	1.31	0.94	0.71	0.78	0.73	0.94	1.24
USGS073802516 Barataria Pass at Grand Isle	1.40	1.48	1.34	1.21	1.12	1.00	0.83	0.67	0.73	0.69	0.89	1.18
HWQ14 - Lake Washington	1.43	1.38	1.24	1.09	1.00	0.88	0.76	0.70	0.74	0.75	0.94	1.23
HWQ16 - Bayou Grand Liard	1.19	1.44	1.33	1.32	1.25	1.17	0.84	0.64	0.72	0.65	0.82	1.01
CRMS 3985	1.40	1.33	1.30	1.19	1.11	1.00	0.83	0.89	0.92	0.93	1.09	1.33
CRMS 0258	1.67	1.66	1.56	1.46	1.44	1.49	1.18	1.01	0.87	0.83	1.19	1.45
CRMS 0224	1.58	1.64	1.54	1.50	1.47	1.50	1.08	0.87	0.85	0.80	1.07	1.37
CRMS 0163	1.83	1.90	1.94	1.93	1.97	1.98	1.70	1.70	1.80	1.81	1.84	1.87
CRMS 0162	1.79	1.83	1.75	1.80	1.79	1.93	1.96	1.45	0.97	1.37	1.49	1.67

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.89	0.76	1.05	1.21	1.21	1.27	1.29	1.29	1.30	1.24	1.05	0.95
CRMS0276 - Just east of Wilkinson Canal	0.10	0.00	-0.01	-0.04	-0.08	-0.12	0.02	0.08	0.00	0.01	0.02	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.03	0.02	-0.02	0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.82	0.57	0.99	0.94	0.96	1.00	0.63	0.62	0.49	0.58	0.80	0.80
USGS7380251 Barataria Bay North of Grand Isle	0.58	0.39	0.51	0.89	0.93	0.78	0.34	0.16	0.18	0.13	0.16	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.48	0.42	0.53	0.72	0.82	0.75	0.37	0.24	0.24	0.21	0.24	0.34
USGS 07380335 - Little Lake Near Cutoff	0.32	0.29	0.34	0.42	0.57	0.54	0.25	0.14	0.15	0.12	0.14	0.22
USGS073802516 Barataria Pass at Grand Isle	0.37	0.29	0.32	0.35	0.35	0.26	0.18	0.12	0.15	0.13	0.16	0.22
HWQ14 - Lake Washington	0.48	0.28	0.31	0.47	0.43	0.34	0.22	0.13	0.14	0.14	0.15	0.23
HWQ16 - Bayou Grand Liard	0.10	0.09	0.05	0.03	0.03	0.00	0.01	0.03	0.03	0.03	0.03	0.06
CRMS 3985	0.43	0.07	0.16	0.51	0.54	0.42	0.18	-0.05	0.02	-0.02	-0.07	0.25
CRMS 0258	0.42	0.18	0.24	0.13	0.18	0.26	0.31	0.34	0.14	0.13	0.18	0.17
CRMS 0224	0.45	0.29	0.41	0.35	0.44	0.56	0.39	0.29	0.20	0.18	0.23	0.27
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	-0.02	0.01	-0.01	0.00	0.00	-0.03
CRMS 0162	0.00	0.00	-0.02	-0.01	0.00	-0.01	-0.01	-0.03	-0.04	-0.05	-0.03	-0.05

Figure WQ TOTN 121 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.38	0.97	0.81	0.80	0.72	0.62	0.62	0.60	0.63	0.77	1.00
CRMS0276 - Just east of Wilkinson Canal	1.38	1.71	1.76	1.75	1.77	1.41	0.92	0.84	1.13	0.90	1.04	1.46
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.89	1.92	1.95	1.80	1.67	1.53	1.80	1.57	1.62	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.41	1.02	0.94	0.94	0.84	0.65	0.60	0.59	0.60	0.71	0.95
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.36	0.96	0.65	0.59	0.57	0.58	0.73	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.35	1.13	0.83	0.73	0.65	0.58	0.56	0.61	0.58	0.66	0.97
USGS 07380335 - Little Lake Near Cutoff	1.19	1.39	1.28	1.02	0.87	0.72	0.63	0.60	0.67	0.60	0.64	0.99
USGS073802516 Barataria Pass at Grand Isle	1.17	1.33	1.12	0.87	0.80	0.69	0.60	0.56	0.60	0.56	0.63	0.93
HWQ14 - Lake Washington	1.24	1.29	0.93	0.62	0.57	0.55	0.53	0.56	0.61	0.60	0.74	0.99
HWQ16 - Bayou Grand Liard	1.10	1.40	1.44	1.29	1.28	0.95	0.71	0.67	0.74	0.59	0.66	0.99
CRMS 3985	1.46	1.36	0.94	0.62	0.56	0.58	0.64	0.98	0.91	0.92	1.10	1.37
CRMS 0258	1.40	1.55	1.41	1.32	1.29	1.17	0.85	0.67	0.78	0.73	0.80	1.29
CRMS 0224	1.26	1.45	1.26	1.14	1.07	0.88	0.65	0.59	0.69	0.63	0.68	1.05
CRMS 0163	1.83	1.89	1.92	1.96	1.98	1.97	1.81	1.73	1.86	1.66	1.82	1.86
CRMS 0162	1.79	1.83	1.87	1.83	1.89	1.91	1.99	1.65	1.14	0.95	1.39	1.77

V3PR2 HYST - cy 3 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.98	1.99	2.00	2.01	1.97	1.90	1.88	1.89	1.88	1.87	1.92
CRMS0276 - Just east of Wilkinson Canal	1.46	1.70	1.74	1.70	1.69	1.37	0.92	0.86	1.12	0.95	1.07	1.46
Barataria Waterway at Lafitte (USACE82875)	1.73	1.87	1.88	1.92	1.94	1.78	1.64	1.52	1.81	1.59	1.63	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.84	1.83	1.89	1.91	1.92	1.54	1.24	1.22	1.07	1.19	1.59	1.77
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.63	1.64	1.59	1.54	0.95	0.81	0.85	0.90	0.89	1.11	1.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.56	1.68	1.70	1.59	1.57	1.05	0.81	0.76	0.82	0.78	0.94	1.41
USGS 07380335 - Little Lake Near Cutoff	1.45	1.63	1.65	1.48	1.45	1.03	0.77	0.71	0.80	0.72	0.82	1.29
USGS073802516 Barataria Pass at Grand Isle	1.44	1.55	1.46	1.24	1.15	0.91	0.71	0.66	0.73	0.69	0.82	1.21
HWQ14 - Lake Washington	1.45	1.46	1.31	1.11	1.02	0.80	0.68	0.67	0.72	0.73	0.90	1.26
HWQ16 - Bayou Grand Liard	1.17	1.48	1.50	1.34	1.30	1.00	0.72	0.68	0.77	0.63	0.71	1.07
CRMS 3985	1.49	1.37	1.35	1.20	1.13	0.83	0.75	0.88	0.91	0.90	1.06	1.43
CRMS 0258	1.70	1.68	1.70	1.49	1.49	1.26	1.08	0.96	0.88	0.86	1.04	1.50
CRMS 0224	1.61	1.68	1.71	1.54	1.52	1.15	0.92	0.84	0.86	0.80	0.96	1.41
CRMS 0163	1.82	1.90	1.91	1.95	1.98	1.96	1.79	1.73	1.88	1.68	1.82	1.86
CRMS 0162	1.78	1.84	1.85	1.82	1.87	1.90	2.00	1.63	1.10	0.93	1.39	1.77

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.60	1.02	1.19	1.21	1.25	1.28	1.27	1.28	1.25	1.10	0.92
CRMS0276 - Just east of Wilkinson Canal	0.07	-0.01	-0.03	-0.05	-0.08	-0.04	0.01	0.02	0.00	0.05	0.03	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.01	-0.01	0.00	-0.01	-0.02	-0.01	0.01	0.03	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.52	0.42	0.86	0.97	0.98	0.70	0.60	0.62	0.48	0.59	0.88	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.27	0.68	0.93	0.96	0.39	0.23	0.12	0.16	0.13	0.19	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.33	0.58	0.75	0.84	0.40	0.23	0.20	0.21	0.20	0.28	0.44
USGS 07380335 - Little Lake Near Cutoff	0.27	0.24	0.37	0.46	0.58	0.31	0.14	0.11	0.13	0.12	0.18	0.30
USGS073802516 Barataria Pass at Grand Isle	0.27	0.22	0.34	0.37	0.36	0.22	0.11	0.09	0.13	0.13	0.19	0.28
HWQ14 - Lake Washington	0.21	0.17	0.37	0.49	0.45	0.25	0.15	0.11	0.12	0.13	0.17	0.27
HWQ16 - Bayou Grand Liard	0.06	0.08	0.06	0.05	0.02	0.05	0.00	0.01	0.03	0.04	0.05	0.08
CRMS 3985	0.03	0.01	0.40	0.58	0.58	0.25	0.11	-0.09	0.00	-0.01	-0.04	0.06
CRMS 0258	0.30	0.13	0.29	0.16	0.19	0.09	0.22	0.29	0.10	0.13	0.24	0.21
CRMS 0224	0.36	0.23	0.45	0.40	0.45	0.27	0.26	0.24	0.17	0.18	0.29	0.36
CRMS 0163	-0.01	0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	0.02	0.01	0.00	0.00
CRMS 0162	-0.01	0.00	-0.01	-0.01	-0.02	-0.01	0.00	-0.02	-0.05	-0.03	0.00	0.00

Figure WQ TOTN 122 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.30	0.96	0.72	0.71	0.63	0.57	0.59	0.57	0.60	0.87	1.06
CRMS0276 - Just east of Wilkinson Canal	1.21	1.59	1.52	1.57	1.59	1.23	0.64	0.57	0.83	0.96	1.25	1.42
Barataria Waterway at Lafitte (USACE82875)	1.64	1.82	1.85	1.88	1.90	1.78	1.35	1.29	1.32	1.71	1.72	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.32	0.95	0.85	0.83	0.73	0.58	0.57	0.51	0.53	0.81	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.32	1.17	0.65	0.57	0.55	0.73	0.77	0.74	0.80	1.02	1.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	1.07	0.77	0.64	0.57	0.54	0.51	0.54	0.54	0.77	1.05
USGS 07380335 - Little Lake Near Cutoff	1.09	1.28	1.12	0.91	0.73	0.62	0.53	0.47	0.54	0.55	0.79	1.06
USGS073802516 Barataria Pass at Grand Isle	1.10	1.23	1.05	0.80	0.67	0.58	0.50	0.46	0.52	0.52	0.73	1.00
HWQ14 - Lake Washington	1.23	1.23	1.06	0.63	0.53	0.49	0.57	0.58	0.60	0.60	0.81	1.05
HWQ16 - Bayou Grand Liard	0.98	1.27	1.17	1.10	1.02	0.80	0.53	0.50	0.58	0.57	0.79	1.01
CRMS 3985	1.41	1.37	1.32	0.68	0.58	0.62	1.00	1.06	0.92	0.99	1.17	1.39
CRMS 0258	1.25	1.44	1.14	1.23	1.18	0.99	0.67	0.57	0.58	0.60	1.05	1.30
CRMS 0224	1.16	1.34	1.08	1.04	0.93	0.79	0.57	0.51	0.53	0.54	0.84	1.12
CRMS 0163	1.76	1.87	1.90	1.91	1.92	1.85	1.49	1.55	1.41	1.79	1.84	1.85
CRMS 0162	1.65	1.77	1.67	1.57	1.55	1.60	1.55	1.09	0.71	1.28	1.59	1.78

V3PR2 HYST - cy 3 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.88	1.95	1.96	1.90	1.92	1.89	1.91	1.88	1.85	1.83	1.86	1.91
CRMS0276 - Just east of Wilkinson Canal	1.20	1.56	1.51	1.56	1.53	1.20	0.69	0.62	0.82	0.95	1.26	1.45
Barataria Waterway at Lafitte (USACE82875)	1.65	1.82	1.87	1.88	1.89	1.77	1.39	1.27	1.28	1.72	1.73	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.64	1.76	1.66	1.37	1.53	1.04	1.11	1.12	0.94	1.07	1.43	1.66
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.43	1.34	1.11	1.15	0.70	0.69	0.79	0.83	0.85	1.09	1.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.06	1.43	1.32	1.11	1.14	0.76	0.69	0.67	0.71	0.70	0.95	1.21
USGS 07380335 - Little Lake Near Cutoff	1.04	1.36	1.24	1.11	1.03	0.75	0.62	0.56	0.65	0.63	0.90	1.18
USGS073802516 Barataria Pass at Grand Isle	0.98	1.27	1.13	0.97	0.83	0.69	0.57	0.54	0.62	0.60	0.85	1.09
HWQ14 - Lake Washington	0.87	1.18	1.08	0.88	0.73	0.61	0.58	0.64	0.66	0.68	0.88	0.99
HWQ16 - Bayou Grand Liard	0.95	1.26	1.18	1.11	1.01	0.82	0.54	0.52	0.61	0.58	0.82	1.05
CRMS 3985	0.83	1.25	1.20	0.94	0.80	0.65	0.69	0.95	0.89	0.91	0.97	0.69
CRMS 0258	1.37	1.52	1.19	1.25	1.21	1.02	0.85	0.81	0.67	0.70	1.16	1.44
CRMS 0224	1.19	1.47	1.24	1.16	1.14	0.91	0.76	0.72	0.69	0.68	1.01	1.31
CRMS 0163	1.77	1.86	1.92	1.91	1.92	1.85	1.53	1.52	1.37	1.80	1.86	1.89
CRMS 0162	1.64	1.76	1.68	1.58	1.55	1.66	1.52	1.07	0.69	1.24	1.59	1.81

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.61	0.64	1.00	1.17	1.22	1.26	1.34	1.29	1.29	1.23	0.98	0.85
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.03	-0.01	-0.01	-0.06	-0.03	0.05	0.04	-0.01	-0.01	0.01	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.01	0.02	0.00	-0.01	-0.01	0.04	-0.02	-0.05	0.01	0.01	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.39	0.44	0.71	0.52	0.70	0.30	0.52	0.55	0.43	0.54	0.63	0.63
USGS7380251 Barataria Bay North of Grand Isle	-0.37	0.11	0.17	0.46	0.58	0.16	-0.04	0.02	0.08	0.05	0.07	-0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.09	0.18	0.24	0.33	0.51	0.19	0.15	0.16	0.17	0.15	0.18	0.16
USGS 07380335 - Little Lake Near Cutoff	-0.04	0.08	0.12	0.20	0.29	0.13	0.10	0.09	0.10	0.08	0.10	0.11
USGS073802516 Barataria Pass at Grand Isle	-0.12	0.04	0.09	0.18	0.16	0.10	0.07	0.08	0.10	0.08	0.12	0.09
HWQ14 - Lake Washington	-0.35	-0.05	0.02	0.25	0.21	0.12	0.01	0.06	0.07	0.08	0.08	-0.06
HWQ16 - Bayou Grand Liard	-0.03	-0.01	0.01	0.01	-0.01	0.03	0.01	0.02	0.02	0.01	0.03	0.04
CRMS 3985	-0.58	-0.12	-0.13	0.26	0.23	0.03	-0.31	-0.12	-0.03	-0.08	-0.20	-0.70
CRMS 0258	0.12	0.07	0.06	0.02	0.04	0.03	0.18	0.24	0.09	0.11	0.10	0.13
CRMS 0224	0.03	0.13	0.16	0.13	0.22	0.12	0.19	0.21	0.15	0.14	0.17	0.19
CRMS 0163	0.01	0.00	0.02	0.00	0.00	0.01	0.04	-0.03	-0.04	0.01	0.02	0.04
CRMS 0162	-0.02	-0.01	0.01	0.00	0.00	0.06	-0.03	-0.02	-0.02	-0.05	0.00	0.03

Figure WQ TOTN 123 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.36	0.98	0.80	0.78	0.73	0.66	0.69	0.69	0.69	0.77	0.88
CRMS0276 - Just east of Wilkinson Canal	1.32	1.74	1.73	1.72	1.70	1.59	1.23	1.11	1.38	1.11	1.12	1.30
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.91	1.91	1.93	1.89	1.84	1.72	1.85	1.73	1.63	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.40	1.01	0.92	0.91	0.87	0.68	0.66	0.71	0.69	0.80	0.91
USGS7380251 Barataria Bay North of Grand Isle	1.29	1.33	1.03	0.67	0.60	0.58	0.60	0.72	0.76	0.77	0.73	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.35	1.11	0.83	0.70	0.66	0.63	0.63	0.68	0.65	0.72	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.41	1.23	1.01	0.82	0.76	0.73	0.73	0.78	0.70	0.75	0.88
USGS073802516 Barataria Pass at Grand Isle	1.08	1.33	1.10	0.85	0.74	0.71	0.70	0.69	0.68	0.63	0.68	0.81
HWQ14 - Lake Washington	1.15	1.26	0.96	0.63	0.56	0.54	0.54	0.58	0.62	0.62	0.67	0.80
HWQ16 - Bayou Grand Liard	1.08	1.44	1.38	1.25	1.14	1.09	1.00	0.93	0.89	0.70	0.72	0.88
CRMS 3985	1.39	1.34	1.08	0.66	0.58	0.59	0.64	0.90	0.90	0.91	0.71	1.19
CRMS 0258	1.29	1.56	1.36	1.32	1.25	1.26	0.97	0.90	1.04	0.89	1.02	1.14
CRMS 0224	1.15	1.46	1.21	1.12	1.01	0.95	0.72	0.67	0.84	0.75	0.83	0.96
CRMS 0163	1.83	1.90	1.95	1.94	1.97	1.98	1.90	1.86	1.91	1.81	1.83	1.84
CRMS 0162	1.81	1.87	1.82	1.76	1.74	1.91	1.98	1.90	1.58	1.43	1.33	1.61

V3PR2 HYST - cy 3 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	1.99	1.99	1.99	1.98	1.93	1.90	1.90	1.91	1.94
CRMS0276 - Just east of Wilkinson Canal	1.42	1.73	1.70	1.69	1.63	1.47	1.18	1.15	1.43	1.16	1.15	1.33
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.90	1.91	1.92	1.86	1.80	1.68	1.90	1.76	1.61	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.83	1.85	1.95	1.90	1.87	1.84	1.80	1.52	1.14	1.23	1.69	1.78
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.59	1.64	1.55	1.48	1.30	1.33	1.17	0.95	0.92	1.12	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.45	1.67	1.69	1.55	1.47	1.36	1.36	1.23	0.98	0.89	1.04	1.27
USGS 07380335 - Little Lake Near Cutoff	1.35	1.61	1.61	1.44	1.34	1.25	1.21	1.12	0.99	0.86	0.95	1.18
USGS073802516 Barataria Pass at Grand Isle	1.23	1.49	1.41	1.21	1.07	0.97	0.96	0.96	0.88	0.80	0.92	1.13
HWQ14 - Lake Washington	1.07	1.33	1.25	1.09	0.96	0.86	0.85	0.85	0.77	0.78	0.95	1.14
HWQ16 - Bayou Grand Liard	1.15	1.49	1.43	1.29	1.17	1.11	0.98	0.95	0.96	0.76	0.77	0.98
CRMS 3985	1.01	1.25	1.31	1.17	1.07	0.96	0.98	0.97	0.82	0.85	0.99	0.92
CRMS 0258	1.67	1.70	1.69	1.46	1.39	1.47	1.50	1.41	1.23	1.07	1.29	1.45
CRMS 0224	1.58	1.69	1.70	1.50	1.41	1.44	1.48	1.30	1.11	0.98	1.14	1.33
CRMS 0163	1.84	1.90	1.95	1.94	1.97	1.97	1.87	1.86	1.95	1.83	1.79	1.88
CRMS 0162	1.82	1.86	1.80	1.75	1.72	1.92	1.98	1.94	1.57	1.45	1.31	1.62

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.63	1.01	1.20	1.21	1.25	1.32	1.24	1.21	1.21	1.14	1.06
CRMS0276 - Just east of Wilkinson Canal	0.10	-0.01	-0.02	-0.03	-0.07	-0.12	-0.05	0.04	0.05	0.05	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	-0.01	-0.01	-0.01	-0.02	-0.04	-0.04	0.05	0.03	-0.03	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.60	0.45	0.94	0.97	0.96	0.97	1.12	0.86	0.43	0.54	0.89	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.26	0.61	0.88	0.88	0.73	0.73	0.45	0.20	0.15	0.39	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.32	0.58	0.72	0.76	0.70	0.74	0.60	0.29	0.24	0.33	0.42
USGS 07380335 - Little Lake Near Cutoff	0.25	0.20	0.38	0.43	0.52	0.49	0.47	0.39	0.21	0.16	0.20	0.29
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.31	0.35	0.33	0.26	0.26	0.27	0.20	0.16	0.24	0.32
HWQ14 - Lake Washington	-0.08	0.06	0.29	0.46	0.40	0.32	0.31	0.27	0.15	0.16	0.28	0.34
HWQ16 - Bayou Grand Liard	0.07	0.05	0.05	0.04	0.03	0.01	-0.02	0.02	0.07	0.05	0.05	0.09
CRMS 3985	-0.39	-0.09	0.23	0.51	0.49	0.38	0.34	0.07	-0.07	-0.06	0.28	-0.27
CRMS 0258	0.38	0.14	0.34	0.14	0.14	0.21	0.53	0.51	0.19	0.18	0.27	0.31
CRMS 0224	0.43	0.23	0.49	0.38	0.40	0.50	0.76	0.62	0.26	0.23	0.31	0.37
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.03	0.00	0.05	0.02	-0.04	0.04
CRMS 0162	0.01	0.00	-0.02	-0.01	-0.02	0.01	0.01	0.03	0.00	0.02	-0.02	0.01

Figure WQ TOTN 124 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.20	0.91	0.82	0.78	0.71	0.65	0.66	0.64	0.65	0.78	1.03
CRMS0276 - Just east of Wilkinson Canal	1.44	1.52	1.64	1.74	1.74	1.49	1.18	1.03	1.31	1.06	1.06	1.59
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.85	1.91	1.84	1.86	1.81	1.63	1.84	1.68	1.60	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.30	0.97	0.97	0.93	0.83	0.66	0.63	0.65	0.65	0.77	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.06	0.99	0.70	0.58	0.56	0.59	0.65	0.72	0.75	0.88	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.23	0.99	0.86	0.73	0.66	0.61	0.62	0.65	0.63	0.70	1.00
USGS 07380335 - Little Lake Near Cutoff	1.25	1.27	1.11	1.04	0.89	0.75	0.71	0.71	0.74	0.67	0.70	1.05
USGS073802516 Barataria Pass at Grand Isle	1.22	1.22	0.95	0.89	0.80	0.72	0.69	0.67	0.65	0.61	0.66	0.97
HWQ14 - Lake Washington	1.25	1.13	0.86	0.65	0.57	0.54	0.53	0.54	0.60	0.61	0.72	0.99
HWQ16 - Bayou Grand Liard	1.16	1.23	1.26	1.27	1.29	1.11	1.00	0.88	0.85	0.68	0.69	1.11
CRMS 3985	1.35	0.98	1.14	0.71	0.56	0.57	0.61	0.77	0.87	0.89	1.03	1.37
CRMS 0258	1.43	1.43	1.37	1.34	1.31	1.15	0.93	0.86	0.94	0.86	0.93	1.31
CRMS 0224	1.31	1.34	1.15	1.17	1.09	0.89	0.69	0.65	0.79	0.72	0.76	1.09
CRMS 0163	1.86	1.91	1.88	1.94	1.84	1.96	1.92	1.85	1.91	1.78	1.80	1.86
CRMS 0162	1.74	1.63	1.79	1.79	1.77	1.94	2.00	1.90	1.48	1.19	1.35	1.82

V3PR2 HYST - cy 3 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	1.94	1.97	1.99	1.90	1.98	1.99	1.92	1.89	1.90	1.91	1.96
CRMS0276 - Just east of Wilkinson Canal	1.54	1.50	1.61	1.72	1.70	1.41	1.18	1.10	1.36	1.08	1.08	1.58
Barataria Waterway at Lafitte (USACE82875)	1.77	1.82	1.85	1.90	1.85	1.86	1.75	1.61	1.87	1.70	1.61	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	2.18	1.88	1.80	1.89	1.78	1.87	1.83	1.26	1.14	1.24	1.71	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.49	1.59	1.59	1.49	1.32	1.33	1.01	0.93	0.92	1.10	1.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.56	1.50	1.63	1.59	1.51	1.39	1.36	1.00	0.93	0.87	1.00	1.64
USGS 07380335 - Little Lake Near Cutoff	1.47	1.44	1.56	1.50	1.42	1.28	1.21	0.96	0.94	0.83	0.89	1.51
USGS073802516 Barataria Pass at Grand Isle	1.45	1.41	1.41	1.29	1.16	0.96	0.96	0.87	0.84	0.77	0.88	1.39
HWQ14 - Lake Washington	1.44	1.41	1.33	1.18	1.02	0.85	0.84	0.79	0.75	0.78	0.92	1.30
HWQ16 - Bayou Grand Liard	1.23	1.26	1.36	1.36	1.32	1.13	1.01	0.90	0.91	0.72	0.73	1.22
CRMS 3985	1.43	1.43	1.45	1.27	1.12	0.97	0.97	0.87	0.83	0.90	0.92	1.40
CRMS 0258	1.81	1.61	1.62	1.49	1.45	1.48	1.50	1.31	1.14	1.03	1.20	1.64
CRMS 0224	1.66	1.55	1.61	1.54	1.47	1.49	1.48	1.12	1.04	0.94	1.08	1.61
CRMS 0163	1.84	1.87	1.88	1.94	1.86	1.97	1.88	1.86	1.94	1.78	1.82	1.87
CRMS 0162	1.73	1.57	1.78	1.78	1.79	1.94	2.00	1.92	1.43	1.13	1.34	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.67	0.74	1.05	1.17	1.13	1.27	1.34	1.26	1.25	1.24	1.13	0.93
CRMS0276 - Just east of Wilkinson Canal	0.10	-0.02	-0.02	-0.02	-0.04	-0.09	0.00	0.07	0.05	0.02	0.02	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.04	-0.01	-0.01	0.02	0.00	-0.05	-0.02	0.03	0.01	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.83	0.58	0.83	0.92	0.85	1.04	1.17	0.63	0.49	0.59	0.94	0.81
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.43	0.60	0.89	0.91	0.76	0.74	0.35	0.21	0.18	0.23	0.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.27	0.64	0.73	0.78	0.73	0.75	0.38	0.28	0.24	0.30	0.64
USGS 07380335 - Little Lake Near Cutoff	0.23	0.17	0.45	0.46	0.53	0.53	0.50	0.25	0.20	0.15	0.19	0.46
USGS073802516 Barataria Pass at Grand Isle	0.24	0.18	0.45	0.40	0.35	0.24	0.27	0.19	0.19	0.16	0.22	0.41
HWQ14 - Lake Washington	0.19	0.28	0.47	0.53	0.45	0.31	0.31	0.25	0.16	0.17	0.20	0.31
HWQ16 - Bayou Grand Liard	0.07	0.03	0.10	0.09	0.03	0.02	0.00	0.02	0.06	0.04	0.04	0.12
CRMS 3985	0.08	0.45	0.31	0.56	0.57	0.40	0.36	0.10	-0.04	0.01	-0.10	0.03
CRMS 0258	0.38	0.17	0.25	0.15	0.14	0.34	0.58	0.45	0.19	0.18	0.28	0.33
CRMS 0224	0.35	0.21	0.47	0.36	0.38	0.60	0.80	0.47	0.25	0.22	0.31	0.51
CRMS 0163	-0.02	-0.04	0.00	0.00	0.02	0.01	-0.04	0.01	0.03	0.00	0.02	0.01
CRMS 0162	-0.02	-0.06	-0.01	-0.01	0.02	0.00	0.00	0.02	-0.05	-0.06	-0.01	0.00

Figure WQ TOTN 125 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.21	0.95	0.79	0.78	0.72	0.63	0.62	0.60	0.62	0.82	0.98
CRMS0276 - Just east of Wilkinson Canal	1.36	1.69	1.65	1.75	1.74	1.66	1.01	0.74	1.05	1.00	1.23	1.36
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.90	1.90	1.94	1.91	1.58	1.40	1.71	1.72	1.72	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.26	0.96	0.92	0.91	0.85	0.66	0.61	0.57	0.58	0.79	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.19	1.04	0.67	0.59	0.57	0.60	0.72	0.73	0.77	0.98	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.21	1.04	0.84	0.71	0.66	0.61	0.56	0.59	0.58	0.77	1.01
USGS 07380335 - Little Lake Near Cutoff	1.10	1.28	1.15	1.03	0.84	0.77	0.69	0.57	0.64	0.61	0.80	1.02
USGS073802516 Barataria Pass at Grand Isle	1.04	1.19	1.02	0.87	0.76	0.74	0.66	0.54	0.58	0.56	0.73	0.97
HWQ14 - Lake Washington	0.94	1.09	0.93	0.63	0.56	0.54	0.54	0.56	0.60	0.61	0.79	1.00
HWQ16 - Bayou Grand Liard	1.09	1.35	1.27	1.28	1.21	1.17	0.83	0.61	0.69	0.63	0.78	0.95
CRMS 3985	0.97	1.26	1.15	0.67	0.57	0.58	0.65	0.94	0.90	0.95	1.16	1.09
CRMS 0258	1.26	1.48	1.32	1.34	1.26	1.24	0.87	0.67	0.73	0.70	1.01	1.27
CRMS 0224	1.13	1.35	1.14	1.15	1.03	0.94	0.69	0.58	0.65	0.61	0.84	1.10
CRMS 0163	1.82	1.89	1.94	1.93	1.97	1.99	1.72	1.69	1.81	1.81	1.85	1.90
CRMS 0162	1.79	1.82	1.76	1.82	1.80	1.94	1.97	1.48	1.01	1.42	1.52	1.72

V3PR3 HYST - cy 3 - 2002 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.97	2.00	1.99	1.99	1.99	1.94	1.92	1.90	1.86	1.88	1.93
CRMS0276 - Just east of Wilkinson Canal	1.46	1.69	1.64	1.72	1.67	1.54	1.03	0.83	1.05	1.01	1.24	1.37
Barataria Waterway at Lafitte (USACE82875)	1.73	1.86	1.90	1.90	1.93	1.90	1.56	1.44	1.71	1.74	1.73	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.95	1.84	1.97	1.88	1.88	1.88	1.39	1.31	1.10	1.20	1.60	1.79
USGS7380251 Barataria Bay North of Grand Isle	1.55	1.58	1.54	1.56	1.53	1.35	0.93	0.88	0.91	0.90	1.13	1.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.52	1.63	1.56	1.55	1.52	1.41	0.98	0.79	0.83	0.78	1.00	1.35
USGS 07380335 - Little Lake Near Cutoff	1.41	1.57	1.49	1.45	1.40	1.30	0.94	0.71	0.79	0.73	0.93	1.24
USGS073802516 Barataria Pass at Grand Isle	1.39	1.47	1.34	1.21	1.11	0.99	0.84	0.67	0.73	0.69	0.89	1.18
HWQ14 - Lake Washington	1.42	1.37	1.24	1.09	0.99	0.88	0.76	0.69	0.73	0.74	0.93	1.23
HWQ16 - Bayou Grand Liard	1.17	1.44	1.33	1.32	1.24	1.18	0.85	0.66	0.73	0.65	0.81	1.01
CRMS 3985	1.40	1.33	1.30	1.19	1.11	1.00	0.82	0.88	0.91	0.92	1.08	1.33
CRMS 0258	1.68	1.66	1.58	1.47	1.45	1.51	1.19	1.02	0.88	0.83	1.19	1.45
CRMS 0224	1.58	1.64	1.55	1.50	1.48	1.49	1.08	0.88	0.85	0.79	1.07	1.37
CRMS 0163	1.83	1.90	1.94	1.93	1.97	1.98	1.70	1.71	1.81	1.81	1.85	1.87
CRMS 0162	1.79	1.83	1.75	1.81	1.78	1.94	1.96	1.47	0.98	1.33	1.50	1.68

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.89	0.76	1.05	1.21	1.21	1.27	1.31	1.30	1.31	1.24	1.06	0.95
CRMS0276 - Just east of Wilkinson Canal	0.09	0.00	0.00	-0.03	-0.07	-0.12	0.03	0.09	0.00	0.00	0.02	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.02	0.04	0.00	0.01	0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.83	0.58	1.01	0.96	0.97	1.03	0.73	0.70	0.53	0.61	0.82	0.81
USGS7380251 Barataria Bay North of Grand Isle	0.58	0.39	0.50	0.89	0.93	0.78	0.33	0.16	0.18	0.13	0.15	0.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.47	0.42	0.52	0.71	0.81	0.75	0.37	0.24	0.24	0.20	0.23	0.34
USGS 07380335 - Little Lake Near Cutoff	0.31	0.28	0.34	0.41	0.57	0.53	0.25	0.15	0.15	0.12	0.13	0.22
USGS073802516 Barataria Pass at Grand Isle	0.36	0.28	0.32	0.34	0.35	0.26	0.18	0.13	0.15	0.13	0.15	0.21
HWQ14 - Lake Washington	0.48	0.28	0.30	0.46	0.43	0.34	0.22	0.13	0.14	0.14	0.14	0.23
HWQ16 - Bayou Grand Liard	0.07	0.09	0.06	0.04	0.03	0.01	0.02	0.04	0.04	0.02	0.03	0.06
CRMS 3985	0.42	0.07	0.15	0.51	0.55	0.42	0.18	-0.06	0.01	-0.03	-0.07	0.24
CRMS 0258	0.42	0.19	0.26	0.14	0.19	0.27	0.32	0.35	0.15	0.13	0.18	0.17
CRMS 0224	0.45	0.29	0.42	0.35	0.44	0.56	0.39	0.29	0.20	0.18	0.22	0.27
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	-0.02	0.02	0.01	0.00	0.00	-0.03
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.02	0.00	-0.01	-0.01	-0.03	-0.09	-0.02	-0.04

Figure WQ TOTN 126 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.38	0.97	0.81	0.80	0.72	0.62	0.62	0.60	0.63	0.77	1.00
CRMS0276 - Just east of Wilkinson Canal	1.38	1.71	1.76	1.75	1.77	1.41	0.92	0.84	1.13	0.90	1.04	1.46
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.89	1.92	1.95	1.80	1.67	1.53	1.80	1.57	1.62	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.41	1.02	0.94	0.94	0.84	0.65	0.60	0.59	0.60	0.71	0.95
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.36	0.96	0.65	0.59	0.57	0.58	0.73	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.35	1.13	0.83	0.73	0.65	0.58	0.56	0.61	0.58	0.66	0.97
USGS 07380335 - Little Lake Near Cutoff	1.19	1.39	1.28	1.02	0.87	0.72	0.63	0.60	0.67	0.60	0.64	0.99
USGS073802516 Barataria Pass at Grand Isle	1.17	1.33	1.12	0.87	0.80	0.69	0.60	0.56	0.60	0.56	0.63	0.93
HWQ14 - Lake Washington	1.24	1.29	0.93	0.62	0.57	0.55	0.53	0.56	0.61	0.60	0.74	0.99
HWQ16 - Bayou Grand Liard	1.10	1.40	1.44	1.29	1.28	0.95	0.71	0.67	0.74	0.59	0.66	0.99
CRMS 3985	1.46	1.36	0.94	0.62	0.56	0.58	0.64	0.98	0.91	0.92	1.10	1.37
CRMS 0258	1.40	1.55	1.41	1.32	1.29	1.17	0.85	0.67	0.78	0.73	0.80	1.29
CRMS 0224	1.26	1.45	1.26	1.14	1.07	0.88	0.65	0.59	0.69	0.63	0.68	1.05
CRMS 0163	1.83	1.89	1.92	1.96	1.98	1.97	1.81	1.73	1.86	1.66	1.82	1.86
CRMS 0162	1.79	1.83	1.87	1.83	1.89	1.91	1.99	1.65	1.14	0.95	1.39	1.77

V3PR3 HYST - cy 3 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.98	1.99	2.00	2.01	1.97	1.91	1.90	1.90	1.88	1.88	1.93
CRMS0276 - Just east of Wilkinson Canal	1.46	1.71	1.74	1.70	1.69	1.37	0.92	0.87	1.12	0.95	1.08	1.46
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.88	1.92	1.94	1.79	1.65	1.53	1.81	1.60	1.63	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.84	1.89	1.92	1.92	1.56	1.35	1.30	1.10	1.22	1.61	1.77
USGS7380251 Barataria Bay North of Grand Isle	1.56	1.61	1.63	1.59	1.55	0.95	0.81	0.85	0.89	0.88	1.11	1.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.54	1.67	1.70	1.58	1.56	1.05	0.81	0.76	0.82	0.78	0.93	1.40
USGS 07380335 - Little Lake Near Cutoff	1.43	1.62	1.64	1.48	1.45	1.03	0.77	0.71	0.80	0.72	0.82	1.28
USGS073802516 Barataria Pass at Grand Isle	1.41	1.53	1.44	1.23	1.15	0.91	0.71	0.66	0.73	0.69	0.82	1.20
HWQ14 - Lake Washington	1.40	1.41	1.27	1.10	1.02	0.80	0.68	0.67	0.72	0.73	0.90	1.23
HWQ16 - Bayou Grand Liard	1.17	1.48	1.50	1.34	1.30	1.00	0.72	0.69	0.76	0.63	0.71	1.08
CRMS 3985	1.43	1.29	1.32	1.20	1.13	0.82	0.75	0.87	0.90	0.90	1.06	1.31
CRMS 0258	1.70	1.69	1.70	1.49	1.48	1.26	1.07	0.97	0.88	0.86	1.05	1.51
CRMS 0224	1.60	1.68	1.71	1.54	1.51	1.15	0.91	0.83	0.86	0.80	0.97	1.42
CRMS 0163	1.83	1.90	1.91	1.95	1.98	1.96	1.80	1.74	1.89	1.68	1.82	1.87
CRMS 0162	1.78	1.84	1.86	1.82	1.88	1.89	2.00	1.63	1.10	0.95	1.38	1.78

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.61	0.60	1.02	1.19	1.21	1.25	1.30	1.28	1.29	1.26	1.11	0.93
CRMS0276 - Just east of Wilkinson Canal	0.07	0.00	-0.02	-0.05	-0.08	-0.04	0.01	0.03	-0.01	0.05	0.04	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	-0.01	-0.01	0.00	-0.01	-0.02	0.00	0.01	0.03	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.52	0.43	0.87	0.97	0.98	0.73	0.70	0.70	0.52	0.62	0.89	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.25	0.68	0.94	0.96	0.38	0.23	0.11	0.15	0.13	0.18	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.32	0.57	0.75	0.84	0.40	0.23	0.20	0.21	0.20	0.28	0.43
USGS 07380335 - Little Lake Near Cutoff	0.25	0.23	0.36	0.46	0.58	0.31	0.14	0.11	0.13	0.12	0.18	0.29
USGS073802516 Barataria Pass at Grand Isle	0.24	0.20	0.32	0.37	0.35	0.21	0.11	0.09	0.13	0.12	0.19	0.27
HWQ14 - Lake Washington	0.16	0.12	0.34	0.48	0.45	0.25	0.15	0.10	0.11	0.12	0.16	0.24
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.04	0.02	0.05	0.00	0.02	0.02	0.04	0.06	0.08
CRMS 3985	-0.02	-0.07	0.38	0.58	0.57	0.25	0.11	-0.11	-0.01	-0.02	-0.04	-0.06
CRMS 0258	0.30	0.14	0.30	0.17	0.19	0.09	0.22	0.29	0.10	0.13	0.25	0.23
CRMS 0224	0.35	0.23	0.45	0.40	0.45	0.26	0.26	0.24	0.17	0.17	0.29	0.37
CRMS 0163	0.00	0.01	0.00	0.00	0.00	-0.01	-0.02	0.01	0.02	0.02	0.00	0.01
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	-0.02	0.00	-0.02	-0.04	-0.01	-0.01	0.01

Figure WQ TOTN 127 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.30	0.96	0.72	0.71	0.63	0.57	0.59	0.57	0.60	0.87	1.06
CRMS0276 - Just east of Wilkinson Canal	1.21	1.59	1.52	1.57	1.59	1.23	0.64	0.57	0.83	0.96	1.25	1.42
Barataria Waterway at Lafitte (USACE82875)	1.64	1.82	1.85	1.88	1.90	1.78	1.35	1.29	1.32	1.71	1.72	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.32	0.95	0.85	0.83	0.73	0.58	0.57	0.51	0.53	0.81	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.32	1.17	0.65	0.57	0.55	0.73	0.77	0.74	0.80	1.02	1.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	1.07	0.77	0.64	0.57	0.54	0.51	0.54	0.54	0.77	1.05
USGS 07380335 - Little Lake Near Cutoff	1.09	1.28	1.12	0.91	0.73	0.62	0.53	0.47	0.54	0.55	0.79	1.06
USGS073802516 Barataria Pass at Grand Isle	1.10	1.23	1.05	0.80	0.67	0.58	0.50	0.46	0.52	0.52	0.73	1.00
HWQ14 - Lake Washington	1.23	1.23	1.06	0.63	0.53	0.49	0.57	0.58	0.60	0.60	0.81	1.05
HWQ16 - Bayou Grand Liard	0.98	1.27	1.17	1.10	1.02	0.80	0.53	0.50	0.58	0.57	0.79	1.01
CRMS 3985	1.41	1.37	1.32	0.68	0.58	0.62	1.00	1.06	0.92	0.99	1.17	1.39
CRMS 0258	1.25	1.44	1.14	1.23	1.18	0.99	0.67	0.57	0.58	0.60	1.05	1.30
CRMS 0224	1.16	1.34	1.08	1.04	0.93	0.79	0.57	0.51	0.53	0.54	0.84	1.12
CRMS 0163	1.76	1.87	1.90	1.91	1.92	1.85	1.49	1.55	1.41	1.79	1.84	1.85
CRMS 0162	1.65	1.77	1.67	1.57	1.55	1.60	1.55	1.09	0.71	1.28	1.59	1.78

V3PR3 HYST - cy 3 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.91	1.95	1.97	1.90	1.93	1.91	1.93	1.89	1.87	1.84	1.84	1.89
CRMS0276 - Just east of Wilkinson Canal	1.25	1.58	1.51	1.57	1.52	1.20	0.69	0.62	0.82	0.97	1.25	1.43
Barataria Waterway at Lafitte (USACE82875)	1.63	1.82	1.87	1.88	1.88	1.77	1.41	1.28	1.30	1.73	1.72	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.71	1.78	1.70	1.42	1.57	1.09	1.17	1.17	0.98	1.12	1.46	1.65
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.54	1.40	1.13	1.14	0.70	0.69	0.79	0.82	0.85	1.11	1.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.31	1.53	1.38	1.13	1.14	0.76	0.69	0.67	0.71	0.70	0.95	1.29
USGS 07380335 - Little Lake Near Cutoff	1.19	1.46	1.30	1.13	1.03	0.75	0.62	0.56	0.65	0.63	0.89	1.21
USGS073802516 Barataria Pass at Grand Isle	1.21	1.40	1.21	0.99	0.84	0.69	0.57	0.54	0.62	0.60	0.85	1.15
HWQ14 - Lake Washington	1.31	1.38	1.17	0.91	0.74	0.61	0.59	0.64	0.66	0.68	0.89	1.18
HWQ16 - Bayou Grand Liard	0.99	1.31	1.21	1.13	1.01	0.82	0.54	0.52	0.61	0.58	0.82	1.05
CRMS 3985	1.41	1.43	1.28	0.97	0.81	0.65	0.69	0.95	0.89	0.90	1.06	1.29
CRMS 0258	1.46	1.56	1.24	1.26	1.22	1.01	0.85	0.81	0.68	0.71	1.16	1.43
CRMS 0224	1.35	1.53	1.30	1.18	1.15	0.91	0.76	0.72	0.69	0.68	1.00	1.31
CRMS 0163	1.75	1.86	1.92	1.91	1.92	1.86	1.54	1.52	1.38	1.80	1.84	1.86
CRMS 0162	1.63	1.76	1.68	1.57	1.54	1.63	1.53	1.07	0.68	1.27	1.56	1.77

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.64	0.65	1.01	1.18	1.22	1.28	1.36	1.30	1.30	1.24	0.97	0.82
CRMS0276 - Just east of Wilkinson Canal	0.04	-0.01	-0.01	0.00	-0.07	-0.04	0.05	0.04	0.00	0.01	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	0.02	0.00	-0.01	0.00	0.05	-0.01	-0.03	0.01	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.45	0.46	0.76	0.57	0.75	0.35	0.59	0.60	0.47	0.59	0.65	0.62
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.22	0.23	0.48	0.57	0.16	-0.04	0.02	0.08	0.05	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.27	0.30	0.35	0.50	0.19	0.15	0.16	0.17	0.15	0.18	0.24
USGS 07380335 - Little Lake Near Cutoff	0.11	0.18	0.18	0.21	0.30	0.13	0.10	0.09	0.11	0.08	0.10	0.15
USGS073802516 Barataria Pass at Grand Isle	0.11	0.17	0.16	0.20	0.16	0.10	0.07	0.08	0.10	0.09	0.12	0.14
HWQ14 - Lake Washington	0.08	0.16	0.11	0.28	0.21	0.12	0.01	0.06	0.07	0.08	0.08	0.13
HWQ16 - Bayou Grand Liard	0.01	0.04	0.04	0.04	-0.01	0.02	0.01	0.02	0.03	0.02	0.03	0.04
CRMS 3985	0.00	0.06	-0.04	0.29	0.23	0.03	-0.31	-0.11	-0.03	-0.08	-0.12	-0.09
CRMS 0258	0.21	0.12	0.10	0.03	0.04	0.02	0.19	0.25	0.09	0.11	0.11	0.12
CRMS 0224	0.19	0.19	0.22	0.14	0.22	0.11	0.19	0.21	0.16	0.14	0.17	0.20
CRMS 0163	-0.01	0.00	0.02	0.00	0.00	0.01	0.05	-0.03	-0.03	0.01	0.00	0.00
CRMS 0162	-0.03	-0.01	0.01	0.00	-0.01	0.03	-0.02	-0.02	-0.03	-0.01	-0.03	0.00

Figure WQ TOTN 128 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.36	0.98	0.80	0.78	0.73	0.66	0.69	0.69	0.69	0.77	0.88
CRMS0276 - Just east of Wilkinson Canal	1.32	1.74	1.73	1.72	1.70	1.59	1.23	1.11	1.38	1.11	1.12	1.30
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.91	1.91	1.93	1.89	1.84	1.72	1.85	1.73	1.63	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.40	1.01	0.92	0.91	0.87	0.68	0.66	0.71	0.69	0.80	0.91
USGS7380251 Barataria Bay North of Grand Isle	1.29	1.33	1.03	0.67	0.60	0.58	0.60	0.72	0.76	0.77	0.73	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.35	1.11	0.83	0.70	0.66	0.63	0.63	0.68	0.65	0.72	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.41	1.23	1.01	0.82	0.76	0.73	0.73	0.78	0.70	0.75	0.88
USGS073802516 Barataria Pass at Grand Isle	1.08	1.33	1.10	0.85	0.74	0.71	0.70	0.69	0.68	0.63	0.68	0.81
HWQ14 - Lake Washington	1.15	1.26	0.96	0.63	0.56	0.54	0.54	0.58	0.62	0.62	0.67	0.80
HWQ16 - Bayou Grand Liard	1.08	1.44	1.38	1.25	1.14	1.09	1.00	0.93	0.89	0.70	0.72	0.88
CRMS 3985	1.39	1.34	1.08	0.66	0.58	0.59	0.64	0.90	0.90	0.91	0.71	1.19
CRMS 0258	1.29	1.56	1.36	1.32	1.25	1.26	0.97	0.90	1.04	0.89	1.02	1.14
CRMS 0224	1.15	1.46	1.21	1.12	1.01	0.95	0.72	0.67	0.84	0.75	0.83	0.96
CRMS 0163	1.83	1.90	1.95	1.94	1.97	1.98	1.90	1.86	1.91	1.81	1.83	1.84
CRMS 0162	1.81	1.87	1.82	1.76	1.74	1.91	1.98	1.90	1.58	1.43	1.33	1.61

V3PR3 HYST - cy 3 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	1.99	2.00	1.99	1.98	1.94	1.91	1.90	1.92	1.91
CRMS0276 - Just east of Wilkinson Canal	1.44	1.74	1.71	1.69	1.63	1.48	1.18	1.16	1.44	1.16	1.15	1.33
Barataria Waterway at Lafitte (USACE82875)	1.73	1.87	1.90	1.91	1.92	1.87	1.80	1.68	1.91	1.76	1.61	1.79
USGS2928590900040000 Barataria Waterway South of Lafitte	1.82	1.86	1.93	1.91	1.89	1.87	1.84	1.55	1.16	1.26	1.71	1.76
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.64	1.66	1.56	1.49	1.30	1.33	1.17	0.95	0.91	1.11	1.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.57	1.70	1.70	1.55	1.47	1.36	1.36	1.23	0.97	0.89	1.04	1.28
USGS 07380335 - Little Lake Near Cutoff	1.44	1.65	1.63	1.44	1.34	1.25	1.20	1.11	0.99	0.86	0.95	1.18
USGS073802516 Barataria Pass at Grand Isle	1.40	1.56	1.44	1.21	1.07	0.97	0.96	0.96	0.88	0.80	0.92	1.13
HWQ14 - Lake Washington	1.39	1.45	1.30	1.10	0.97	0.86	0.85	0.84	0.77	0.78	0.94	1.18
HWQ16 - Bayou Grand Liard	1.19	1.53	1.45	1.29	1.18	1.11	0.98	0.94	0.95	0.76	0.77	0.97
CRMS 3985	1.45	1.36	1.36	1.18	1.08	0.97	0.98	0.96	0.81	0.84	0.99	1.26
CRMS 0258	1.68	1.72	1.71	1.47	1.39	1.48	1.52	1.41	1.24	1.07	1.29	1.45
CRMS 0224	1.62	1.71	1.71	1.50	1.41	1.44	1.47	1.30	1.11	0.98	1.14	1.32
CRMS 0163	1.83	1.90	1.95	1.94	1.97	1.97	1.87	1.86	1.96	1.83	1.79	1.85
CRMS 0162	1.81	1.87	1.80	1.75	1.72	1.92	1.98	1.93	1.58	1.40	1.29	1.59

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.63	1.01	1.20	1.21	1.25	1.32	1.25	1.22	1.21	1.15	1.03
CRMS0276 - Just east of Wilkinson Canal	0.12	0.00	-0.01	-0.04	-0.07	-0.11	-0.05	0.04	0.06	0.05	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.04	-0.04	0.06	0.03	-0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.59	0.46	0.92	0.98	0.97	1.00	1.16	0.89	0.45	0.57	0.91	0.84
USGS7380251 Barataria Bay North of Grand Isle	0.31	0.30	0.63	0.89	0.89	0.72	0.72	0.44	0.19	0.14	0.38	0.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.45	0.35	0.59	0.72	0.76	0.70	0.73	0.60	0.29	0.24	0.32	0.43
USGS 07380335 - Little Lake Near Cutoff	0.35	0.24	0.40	0.43	0.52	0.49	0.47	0.38	0.21	0.16	0.20	0.29
USGS073802516 Barataria Pass at Grand Isle	0.33	0.23	0.34	0.36	0.33	0.25	0.26	0.27	0.20	0.16	0.24	0.32
HWQ14 - Lake Washington	0.25	0.18	0.34	0.47	0.41	0.32	0.31	0.27	0.15	0.15	0.27	0.38
HWQ16 - Bayou Grand Liard	0.10	0.09	0.07	0.05	0.04	0.02	-0.02	0.01	0.06	0.05	0.06	0.08
CRMS 3985	0.06	0.02	0.28	0.52	0.50	0.38	0.34	0.06	-0.09	-0.07	0.28	0.07
CRMS 0258	0.39	0.16	0.35	0.15	0.14	0.22	0.54	0.51	0.20	0.18	0.27	0.31
CRMS 0224	0.47	0.25	0.50	0.38	0.39	0.49	0.76	0.62	0.27	0.23	0.31	0.37
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.03	0.01	0.05	0.02	-0.04	0.01
CRMS 0162	0.00	0.00	-0.02	-0.02	-0.02	0.01	0.01	0.03	0.01	-0.03	-0.04	-0.02

Figure WQ TOTN 129 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.20	0.91	0.82	0.78	0.71	0.65	0.66	0.64	0.65	0.78	1.03
CRMS0276 - Just east of Wilkinson Canal	1.44	1.52	1.64	1.74	1.74	1.49	1.18	1.03	1.31	1.06	1.06	1.59
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.85	1.91	1.84	1.86	1.81	1.63	1.84	1.68	1.60	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.30	0.97	0.97	0.93	0.83	0.66	0.63	0.65	0.65	0.77	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.06	0.99	0.70	0.58	0.56	0.59	0.65	0.72	0.75	0.88	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.23	0.99	0.86	0.73	0.66	0.61	0.62	0.65	0.63	0.70	1.00
USGS 07380335 - Little Lake Near Cutoff	1.25	1.27	1.11	1.04	0.89	0.75	0.71	0.71	0.74	0.67	0.70	1.05
USGS073802516 Barataria Pass at Grand Isle	1.22	1.22	0.95	0.89	0.80	0.72	0.69	0.67	0.65	0.61	0.66	0.97
HWQ14 - Lake Washington	1.25	1.13	0.86	0.65	0.57	0.54	0.53	0.54	0.60	0.61	0.72	0.99
HWQ16 - Bayou Grand Liard	1.16	1.23	1.26	1.27	1.29	1.11	1.00	0.88	0.85	0.68	0.69	1.11
CRMS 3985	1.35	0.98	1.14	0.71	0.56	0.57	0.61	0.77	0.87	0.89	1.03	1.37
CRMS 0258	1.43	1.43	1.37	1.34	1.31	1.15	0.93	0.86	0.94	0.86	0.93	1.31
CRMS 0224	1.31	1.34	1.15	1.17	1.09	0.89	0.69	0.65	0.79	0.72	0.76	1.09
CRMS 0163	1.86	1.91	1.88	1.94	1.84	1.96	1.92	1.85	1.91	1.78	1.80	1.86
CRMS 0162	1.74	1.63	1.79	1.79	1.77	1.94	2.00	1.90	1.48	1.19	1.35	1.82

V3PR3 HYST - cy 3 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	1.95	1.97	1.99	1.90	1.98	1.99	1.93	1.90	1.91	1.92	1.96
CRMS0276 - Just east of Wilkinson Canal	1.53	1.50	1.62	1.72	1.70	1.41	1.18	1.11	1.35	1.08	1.07	1.58
Barataria Waterway at Lafitte (USACE82875)	1.77	1.82	1.85	1.90	1.85	1.86	1.76	1.62	1.87	1.70	1.61	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	2.17	1.90	1.81	1.89	1.78	1.87	1.86	1.31	1.17	1.26	1.71	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.49	1.60	1.59	1.50	1.32	1.32	1.00	0.92	0.91	1.09	1.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.55	1.50	1.63	1.59	1.50	1.38	1.36	1.00	0.92	0.86	0.99	1.63
USGS 07380335 - Little Lake Near Cutoff	1.46	1.44	1.56	1.50	1.42	1.27	1.21	0.96	0.93	0.82	0.88	1.51
USGS073802516 Barataria Pass at Grand Isle	1.44	1.40	1.40	1.29	1.15	0.95	0.95	0.86	0.83	0.77	0.87	1.38
HWQ14 - Lake Washington	1.45	1.41	1.33	1.18	1.02	0.85	0.84	0.78	0.75	0.77	0.91	1.29
HWQ16 - Bayou Grand Liard	1.20	1.26	1.36	1.36	1.32	1.12	1.01	0.90	0.90	0.72	0.72	1.22
CRMS 3985	1.44	1.43	1.46	1.27	1.13	0.97	0.97	0.87	0.82	0.89	0.92	1.40
CRMS 0258	1.81	1.62	1.63	1.50	1.45	1.49	1.52	1.32	1.14	1.03	1.19	1.64
CRMS 0224	1.65	1.55	1.62	1.54	1.47	1.48	1.48	1.12	1.04	0.93	1.06	1.60
CRMS 0163	1.84	1.87	1.88	1.94	1.86	1.97	1.88	1.87	1.94	1.78	1.82	1.87
CRMS 0162	1.72	1.58	1.77	1.77	1.79	1.94	2.00	1.92	1.47	1.14	1.34	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.74	1.05	1.17	1.13	1.26	1.34	1.28	1.26	1.25	1.14	0.93
CRMS0276 - Just east of Wilkinson Canal	0.09	-0.02	-0.02	-0.02	-0.04	-0.08	0.00	0.07	0.04	0.02	0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.04	0.00	-0.01	0.02	0.00	-0.05	-0.01	0.03	0.02	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.83	0.59	0.84	0.92	0.85	1.04	1.21	0.68	0.52	0.61	0.94	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.43	0.61	0.90	0.92	0.76	0.74	0.35	0.20	0.17	0.22	0.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.26	0.64	0.73	0.77	0.72	0.74	0.38	0.28	0.23	0.29	0.63
USGS 07380335 - Little Lake Near Cutoff	0.21	0.17	0.45	0.46	0.52	0.52	0.49	0.25	0.19	0.15	0.18	0.46
USGS073802516 Barataria Pass at Grand Isle	0.23	0.18	0.45	0.40	0.35	0.23	0.26	0.19	0.18	0.16	0.21	0.41
HWQ14 - Lake Washington	0.20	0.28	0.47	0.53	0.45	0.30	0.30	0.24	0.15	0.16	0.19	0.31
HWQ16 - Bayou Grand Liard	0.04	0.03	0.10	0.09	0.03	0.01	0.01	0.02	0.04	0.04	0.03	0.11
CRMS 3985	0.09	0.45	0.31	0.56	0.57	0.40	0.35	0.10	-0.05	0.00	-0.11	0.03
CRMS 0258	0.38	0.18	0.26	0.16	0.14	0.34	0.60	0.46	0.20	0.17	0.26	0.33
CRMS 0224	0.34	0.21	0.47	0.37	0.37	0.59	0.79	0.47	0.25	0.22	0.30	0.51
CRMS 0163	-0.02	-0.04	0.00	0.00	0.02	0.01	-0.03	0.02	0.03	0.01	0.02	0.01
CRMS 0162	-0.03	-0.04	-0.02	-0.02	0.02	0.00	0.00	0.02	-0.01	-0.05	0.00	0.00

Figure WQ TOTN 130 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.21	0.95	0.79	0.78	0.72	0.63	0.62	0.60	0.62	0.82	0.98
CRMS0276 - Just east of Wilkinson Canal	1.36	1.69	1.65	1.75	1.74	1.66	1.01	0.74	1.05	1.00	1.23	1.36
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.90	1.90	1.94	1.91	1.58	1.40	1.71	1.72	1.72	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.26	0.96	0.92	0.91	0.85	0.66	0.61	0.57	0.58	0.79	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.19	1.04	0.67	0.59	0.57	0.60	0.72	0.73	0.77	0.98	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.21	1.04	0.84	0.71	0.66	0.61	0.56	0.59	0.58	0.77	1.01
USGS 07380335 - Little Lake Near Cutoff	1.10	1.28	1.15	1.03	0.84	0.77	0.69	0.57	0.64	0.61	0.80	1.02
USGS073802516 Barataria Pass at Grand Isle	1.04	1.19	1.02	0.87	0.76	0.74	0.66	0.54	0.58	0.56	0.73	0.97
HWQ14 - Lake Washington	0.94	1.09	0.93	0.63	0.56	0.54	0.54	0.56	0.60	0.61	0.79	1.00
HWQ16 - Bayou Grand Liard	1.09	1.35	1.27	1.28	1.21	1.17	0.83	0.61	0.69	0.63	0.78	0.95
CRMS 3985	0.97	1.26	1.15	0.67	0.57	0.58	0.65	0.94	0.90	0.95	1.16	1.09
CRMS 0258	1.26	1.48	1.32	1.34	1.26	1.24	0.87	0.67	0.73	0.70	1.01	1.27
CRMS 0224	1.13	1.35	1.14	1.15	1.03	0.94	0.69	0.58	0.65	0.61	0.84	1.10
CRMS 0163	1.82	1.89	1.94	1.93	1.97	1.99	1.72	1.69	1.81	1.81	1.85	1.90
CRMS 0162	1.79	1.82	1.76	1.82	1.80	1.94	1.97	1.48	1.01	1.42	1.52	1.72

V3PR4 HYST - cy 3 - 2002 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	2.01	2.00	2.00	2.00	1.93	1.92	1.91	1.85	1.89	1.93
CRMS0276 - Just east of Wilkinson Canal	1.50	1.69	1.67	1.72	1.66	1.55	1.06	0.85	1.11	1.07	1.28	1.41
Barataria Waterway at Lafitte (USACE82875)	1.75	1.86	1.90	1.90	1.94	1.91	1.59	1.47	1.80	1.77	1.75	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	2.03	1.89	2.11	1.93	1.93	1.92	1.47	1.36	1.21	1.38	1.69	1.88
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.66	1.63	1.65	1.62	1.49	0.92	0.86	0.90	0.90	1.08	1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.56	1.72	1.69	1.71	1.70	1.61	1.02	0.81	0.85	0.82	1.03	1.34
USGS 07380335 - Little Lake Near Cutoff	1.46	1.65	1.61	1.62	1.60	1.51	0.99	0.73	0.81	0.77	0.97	1.25
USGS073802516 Barataria Pass at Grand Isle	1.42	1.55	1.45	1.36	1.24	1.12	0.88	0.68	0.75	0.72	0.91	1.16
HWQ14 - Lake Washington	1.41	1.49	1.35	1.21	1.09	0.99	0.80	0.71	0.75	0.76	0.92	1.14
HWQ16 - Bayou Grand Liard	1.22	1.48	1.39	1.41	1.33	1.26	0.88	0.67	0.76	0.69	0.85	1.04
CRMS 3985	1.45	1.52	1.41	1.31	1.22	1.12	0.85	0.88	0.91	0.92	0.94	1.22
CRMS 0258	1.73	1.71	1.68	1.58	1.59	1.60	1.21	1.03	0.90	0.90	1.24	1.49
CRMS 0224	1.62	1.70	1.68	1.65	1.64	1.65	1.11	0.89	0.88	0.84	1.11	1.40
CRMS 0163	1.83	1.90	1.94	1.93	1.97	1.98	1.72	1.73	1.89	1.84	1.87	1.88
CRMS 0162	1.79	1.82	1.75	1.80	1.78	1.93	1.98	1.53	1.05	1.48	1.51	1.71

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.88	0.77	1.05	1.22	1.22	1.28	1.29	1.30	1.31	1.23	1.07	0.95
CRMS0276 - Just east of Wilkinson Canal	0.14	0.00	0.02	-0.03	-0.08	-0.11	0.06	0.11	0.07	0.07	0.05	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.07	0.09	0.05	0.03	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.90	0.63	1.15	1.01	1.02	1.07	0.81	0.75	0.63	0.80	0.90	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.59	0.47	0.59	0.98	1.03	0.92	0.33	0.15	0.16	0.12	0.10	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.52	0.51	0.65	0.87	0.99	0.95	0.41	0.25	0.26	0.24	0.26	0.33
USGS 07380335 - Little Lake Near Cutoff	0.36	0.37	0.46	0.59	0.76	0.74	0.30	0.16	0.18	0.16	0.17	0.23
USGS073802516 Barataria Pass at Grand Isle	0.39	0.36	0.43	0.49	0.48	0.38	0.22	0.14	0.17	0.16	0.18	0.19
HWQ14 - Lake Washington	0.47	0.39	0.42	0.58	0.53	0.45	0.26	0.15	0.15	0.15	0.13	0.14
HWQ16 - Bayou Grand Liard	0.13	0.13	0.12	0.12	0.12	0.09	0.06	0.06	0.07	0.06	0.06	0.09
CRMS 3985	0.47	0.26	0.27	0.64	0.65	0.54	0.20	-0.07	0.02	-0.03	-0.22	0.13
CRMS 0258	0.48	0.23	0.36	0.25	0.33	0.37	0.33	0.36	0.17	0.20	0.23	0.22
CRMS 0224	0.50	0.35	0.54	0.49	0.61	0.72	0.42	0.30	0.23	0.23	0.27	0.30
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.03	0.02	-0.02
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.01	0.05	0.05	0.05	-0.01	-0.01

Figure WQ TOTN 131 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.38	0.97	0.81	0.80	0.72	0.62	0.62	0.60	0.63	0.77	1.00
CRMS0276 - Just east of Wilkinson Canal	1.38	1.71	1.76	1.75	1.77	1.41	0.92	0.84	1.13	0.90	1.04	1.46
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.89	1.92	1.95	1.80	1.67	1.53	1.80	1.57	1.62	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.41	1.02	0.94	0.94	0.84	0.65	0.60	0.59	0.60	0.71	0.95
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.36	0.96	0.65	0.59	0.57	0.58	0.73	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.35	1.13	0.83	0.73	0.65	0.58	0.56	0.61	0.58	0.66	0.97
USGS 07380335 - Little Lake Near Cutoff	1.19	1.39	1.28	1.02	0.87	0.72	0.63	0.60	0.67	0.60	0.64	0.99
USGS073802516 Barataria Pass at Grand Isle	1.17	1.33	1.12	0.87	0.80	0.69	0.60	0.56	0.60	0.56	0.63	0.93
HWQ14 - Lake Washington	1.24	1.29	0.93	0.62	0.57	0.55	0.53	0.56	0.61	0.60	0.74	0.99
HWQ16 - Bayou Grand Liard	1.10	1.40	1.44	1.29	1.28	0.95	0.71	0.67	0.74	0.59	0.66	0.99
CRMS 3985	1.46	1.36	0.94	0.62	0.56	0.58	0.64	0.98	0.91	0.92	1.10	1.37
CRMS 0258	1.40	1.55	1.41	1.32	1.29	1.17	0.85	0.67	0.78	0.73	0.80	1.29
CRMS 0224	1.26	1.45	1.26	1.14	1.07	0.88	0.65	0.59	0.69	0.63	0.68	1.05
CRMS 0163	1.83	1.89	1.92	1.96	1.98	1.97	1.81	1.73	1.86	1.66	1.82	1.86
CRMS 0162	1.79	1.83	1.87	1.83	1.89	1.91	1.99	1.65	1.14	0.95	1.39	1.77

V3PR4 HYST - cy 3 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.99	2.00	2.00	2.01	1.98	1.89	1.89	1.90	1.87	1.89	1.96
CRMS0276 - Just east of Wilkinson Canal	1.46	1.71	1.74	1.71	1.68	1.39	0.97	0.91	1.17	1.00	1.14	1.49
Barataria Waterway at Lafitte (USACE82875)	1.76	1.87	1.89	1.92	1.95	1.80	1.69	1.57	1.85	1.67	1.67	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.91	1.90	1.94	1.96	1.97	1.57	1.38	1.34	1.21	1.41	1.70	1.87
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.60	1.69	1.68	1.68	0.98	0.81	0.84	0.88	0.88	1.06	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.47	1.72	1.78	1.74	1.74	1.13	0.83	0.79	0.85	0.81	0.98	1.42
USGS 07380335 - Little Lake Near Cutoff	1.39	1.65	1.72	1.64	1.65	1.11	0.80	0.74	0.83	0.76	0.88	1.32
USGS073802516 Barataria Pass at Grand Isle	1.29	1.50	1.50	1.35	1.29	0.98	0.74	0.68	0.75	0.72	0.86	1.19
HWQ14 - Lake Washington	1.12	1.33	1.32	1.18	1.12	0.85	0.70	0.68	0.73	0.74	0.90	1.11
HWQ16 - Bayou Grand Liard	1.17	1.49	1.53	1.42	1.40	1.05	0.75	0.72	0.80	0.66	0.75	1.10
CRMS 3985	1.02	1.25	1.38	1.29	1.26	0.87	0.76	0.87	0.91	0.90	0.92	0.96
CRMS 0258	1.71	1.72	1.75	1.63	1.63	1.29	1.10	0.99	0.92	0.92	1.15	1.58
CRMS 0224	1.59	1.72	1.77	1.70	1.68	1.21	0.94	0.87	0.89	0.85	1.04	1.49
CRMS 0163	1.84	1.90	1.92	1.96	1.99	1.97	1.82	1.76	1.92	1.76	1.84	1.90
CRMS 0162	1.79	1.83	1.85	1.83	1.88	1.90	2.00	1.70	1.20	1.04	1.40	1.81

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.61	0.61	1.02	1.20	1.22	1.26	1.28	1.27	1.29	1.25	1.12	0.96
CRMS0276 - Just east of Wilkinson Canal	0.08	0.00	-0.02	-0.04	-0.09	-0.02	0.06	0.07	0.05	0.10	0.11	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.04	0.05	0.10	0.04	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.59	0.49	0.91	1.01	1.02	0.74	0.73	0.74	0.62	0.81	0.98	0.92
USGS7380251 Barataria Bay North of Grand Isle	-0.04	0.25	0.73	1.03	1.09	0.41	0.22	0.11	0.14	0.12	0.13	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.37	0.65	0.90	1.01	0.48	0.25	0.23	0.24	0.23	0.32	0.46
USGS 07380335 - Little Lake Near Cutoff	0.21	0.26	0.45	0.62	0.78	0.39	0.17	0.14	0.16	0.15	0.24	0.33
USGS073802516 Barataria Pass at Grand Isle	0.13	0.18	0.38	0.48	0.49	0.29	0.14	0.12	0.15	0.15	0.23	0.26
HWQ14 - Lake Washington	-0.12	0.04	0.38	0.56	0.55	0.30	0.17	0.12	0.13	0.14	0.16	0.12
HWQ16 - Bayou Grand Liard	0.07	0.09	0.09	0.13	0.12	0.11	0.04	0.05	0.06	0.08	0.10	0.11
CRMS 3985	-0.43	-0.12	0.44	0.67	0.71	0.29	0.12	-0.10	-0.01	-0.02	-0.19	-0.41
CRMS 0258	0.31	0.16	0.35	0.31	0.33	0.12	0.25	0.31	0.14	0.19	0.35	0.29
CRMS 0224	0.34	0.26	0.51	0.56	0.62	0.33	0.29	0.28	0.21	0.22	0.37	0.43
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.10	0.02	0.04
CRMS 0162	0.00	0.00	-0.01	0.00	-0.01	-0.02	0.00	0.05	0.06	0.09	0.01	0.04

Figure WQ TOTN 132 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.30	0.96	0.72	0.71	0.63	0.57	0.59	0.57	0.60	0.87	1.06
CRMS0276 - Just east of Wilkinson Canal	1.21	1.59	1.52	1.57	1.59	1.23	0.64	0.57	0.83	0.96	1.25	1.42
Barataria Waterway at Lafitte (USACE82875)	1.64	1.82	1.85	1.88	1.90	1.78	1.35	1.29	1.32	1.71	1.72	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.32	0.95	0.85	0.83	0.73	0.58	0.57	0.51	0.53	0.81	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.32	1.17	0.65	0.57	0.55	0.73	0.77	0.74	0.80	1.02	1.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	1.07	0.77	0.64	0.57	0.54	0.51	0.54	0.54	0.77	1.05
USGS 07380335 - Little Lake Near Cutoff	1.09	1.28	1.12	0.91	0.73	0.62	0.53	0.47	0.54	0.55	0.79	1.06
USGS073802516 Barataria Pass at Grand Isle	1.10	1.23	1.05	0.80	0.67	0.58	0.50	0.46	0.52	0.52	0.73	1.00
HWQ14 - Lake Washington	1.23	1.23	1.06	0.63	0.53	0.49	0.57	0.58	0.60	0.60	0.81	1.05
HWQ16 - Bayou Grand Liard	0.98	1.27	1.17	1.10	1.02	0.80	0.53	0.50	0.58	0.57	0.79	1.01
CRMS 3985	1.41	1.37	1.32	0.68	0.58	0.62	1.00	1.06	0.92	0.99	1.17	1.39
CRMS 0258	1.25	1.44	1.14	1.23	1.18	0.99	0.67	0.57	0.58	0.60	1.05	1.30
CRMS 0224	1.16	1.34	1.08	1.04	0.93	0.79	0.57	0.51	0.53	0.54	0.84	1.12
CRMS 0163	1.76	1.87	1.90	1.91	1.92	1.85	1.49	1.55	1.41	1.79	1.84	1.85
CRMS 0162	1.65	1.77	1.67	1.57	1.55	1.60	1.55	1.09	0.71	1.28	1.59	1.78

V3PR4 HYST - cy 3 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.91	1.96	1.97	1.91	1.93	1.89	1.91	1.88	1.87	1.82	1.84	1.89
CRMS0276 - Just east of Wilkinson Canal	1.31	1.60	1.54	1.60	1.55	1.23	0.70	0.64	0.88	1.01	1.29	1.47
Barataria Waterway at Lafitte (USACE82875)	1.67	1.83	1.88	1.89	1.90	1.79	1.44	1.34	1.46	1.76	1.74	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.77	1.86	1.82	1.54	1.62	1.10	1.26	1.23	1.09	1.31	1.50	1.76
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.55	1.42	1.15	1.17	0.70	0.69	0.78	0.81	0.83	1.10	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.34	1.59	1.44	1.20	1.28	0.77	0.69	0.68	0.72	0.72	0.98	1.31
USGS 07380335 - Little Lake Near Cutoff	1.24	1.52	1.36	1.20	1.16	0.76	0.63	0.57	0.67	0.66	0.92	1.24
USGS073802516 Barataria Pass at Grand Isle	1.25	1.45	1.25	1.06	0.90	0.71	0.58	0.54	0.63	0.62	0.87	1.17
HWQ14 - Lake Washington	1.32	1.41	1.19	0.94	0.78	0.63	0.60	0.64	0.67	0.68	0.90	1.19
HWQ16 - Bayou Grand Liard	1.07	1.34	1.23	1.17	1.06	0.84	0.56	0.52	0.63	0.61	0.84	1.09
CRMS 3985	1.41	1.43	1.27	0.98	0.83	0.66	0.69	0.93	0.89	0.90	1.06	1.29
CRMS 0258	1.48	1.61	1.30	1.30	1.28	1.04	0.86	0.83	0.72	0.76	1.19	1.47
CRMS 0224	1.37	1.59	1.36	1.24	1.26	0.93	0.77	0.73	0.72	0.72	1.03	1.35
CRMS 0163	1.78	1.88	1.93	1.92	1.93	1.87	1.56	1.59	1.56	1.82	1.85	1.87
CRMS 0162	1.67	1.77	1.67	1.55	1.56	1.68	1.64	1.14	0.72	1.34	1.58	1.79

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.64	0.66	1.01	1.19	1.22	1.26	1.34	1.30	1.30	1.22	0.96	0.82
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	0.02	0.03	-0.04	-0.01	0.06	0.06	0.05	0.04	0.04	0.05
Barataria Waterway at Lafitte (USACE82875)	0.04	0.01	0.04	0.01	0.01	0.01	0.09	0.05	0.14	0.05	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.51	0.54	0.87	0.69	0.80	0.37	0.68	0.66	0.58	0.78	0.69	0.73
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.24	0.25	0.50	0.60	0.16	-0.04	0.00	0.06	0.04	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.33	0.37	0.43	0.65	0.20	0.15	0.17	0.18	0.18	0.21	0.26
USGS 07380335 - Little Lake Near Cutoff	0.15	0.23	0.24	0.29	0.42	0.15	0.10	0.09	0.12	0.11	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.14	0.22	0.20	0.26	0.23	0.13	0.07	0.08	0.11	0.11	0.14	0.16
HWQ14 - Lake Washington	0.09	0.18	0.13	0.31	0.26	0.14	0.02	0.06	0.07	0.08	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.07	0.06	0.08	0.04	0.05	0.03	0.02	0.04	0.04	0.05	0.08
CRMS 3985	0.00	0.06	-0.05	0.30	0.25	0.04	-0.30	-0.13	-0.04	-0.09	-0.12	-0.10
CRMS 0258	0.24	0.17	0.16	0.07	0.10	0.05	0.19	0.26	0.14	0.16	0.14	0.17
CRMS 0224	0.21	0.25	0.28	0.20	0.33	0.13	0.20	0.22	0.18	0.17	0.20	0.24
CRMS 0163	0.02	0.01	0.03	0.01	0.01	0.02	0.07	0.04	0.16	0.03	0.01	0.01
CRMS 0162	0.02	0.00	0.00	-0.02	0.00	0.08	0.09	0.05	0.01	0.05	-0.01	0.01

Figure WQ TOTN 133 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.36	0.98	0.80	0.78	0.73	0.66	0.69	0.69	0.69	0.77	0.88
CRMS0276 - Just east of Wilkinson Canal	1.32	1.74	1.73	1.72	1.70	1.59	1.23	1.11	1.38	1.11	1.12	1.30
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.91	1.91	1.93	1.89	1.84	1.72	1.85	1.73	1.63	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.40	1.01	0.92	0.91	0.87	0.68	0.66	0.71	0.69	0.80	0.91
USGS7380251 Barataria Bay North of Grand Isle	1.29	1.33	1.03	0.67	0.60	0.58	0.60	0.72	0.76	0.77	0.73	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.35	1.11	0.83	0.70	0.66	0.63	0.63	0.68	0.65	0.72	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.41	1.23	1.01	0.82	0.76	0.73	0.73	0.78	0.70	0.75	0.88
USGS073802516 Barataria Pass at Grand Isle	1.08	1.33	1.10	0.85	0.74	0.71	0.70	0.69	0.68	0.63	0.68	0.81
HWQ14 - Lake Washington	1.15	1.26	0.96	0.63	0.56	0.54	0.54	0.58	0.62	0.62	0.67	0.80
HWQ16 - Bayou Grand Liard	1.08	1.44	1.38	1.25	1.14	1.09	1.00	0.93	0.89	0.70	0.72	0.88
CRMS 3985	1.39	1.34	1.08	0.66	0.58	0.59	0.64	0.90	0.90	0.91	0.71	1.19
CRMS 0258	1.29	1.56	1.36	1.32	1.25	1.26	0.97	0.90	1.04	0.89	1.02	1.14
CRMS 0224	1.15	1.46	1.21	1.12	1.01	0.95	0.72	0.67	0.84	0.75	0.83	0.96
CRMS 0163	1.83	1.90	1.95	1.94	1.97	1.98	1.90	1.86	1.91	1.81	1.83	1.84
CRMS 0162	1.81	1.87	1.82	1.76	1.74	1.91	1.98	1.90	1.58	1.43	1.33	1.61

V3PR4 HYST - cy 3 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	1.99	1.99	2.00	2.00	1.99	1.99	1.94	1.91	1.90	1.91	1.91
CRMS0276 - Just east of Wilkinson Canal	1.48	1.74	1.73	1.70	1.63	1.49	1.28	1.24	1.48	1.20	1.19	1.36
Barataria Waterway at Lafitte (USACE82875)	1.75	1.88	1.91	1.91	1.93	1.88	1.81	1.72	1.91	1.79	1.64	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.87	1.91	1.95	1.95	1.95	1.90	1.90	1.59	1.20	1.41	1.74	1.86
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.71	1.75	1.65	1.58	1.41	1.38	1.16	0.94	0.91	1.16	1.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.66	1.78	1.82	1.72	1.64	1.56	1.55	1.32	0.98	0.91	1.08	1.35
USGS 07380335 - Little Lake Near Cutoff	1.54	1.73	1.76	1.62	1.52	1.44	1.40	1.24	1.01	0.88	0.99	1.23
USGS073802516 Barataria Pass at Grand Isle	1.48	1.63	1.58	1.36	1.19	1.07	1.08	1.05	0.90	0.82	0.95	1.19
HWQ14 - Lake Washington	1.44	1.56	1.45	1.21	1.06	0.94	0.92	0.89	0.79	0.79	0.98	1.25
HWQ16 - Bayou Grand Liard	1.24	1.57	1.52	1.39	1.26	1.19	1.06	1.02	0.99	0.78	0.80	1.00
CRMS 3985	1.51	1.56	1.51	1.29	1.18	1.04	1.02	0.97	0.81	0.85	1.07	1.32
CRMS 0258	1.72	1.75	1.80	1.59	1.53	1.57	1.64	1.44	1.26	1.10	1.34	1.53
CRMS 0224	1.68	1.75	1.81	1.65	1.58	1.60	1.66	1.37	1.12	1.00	1.18	1.40
CRMS 0163	1.84	1.90	1.95	1.94	1.97	1.97	1.88	1.88	1.96	1.85	1.80	1.85
CRMS 0162	1.81	1.86	1.81	1.75	1.73	1.92	1.98	1.93	1.63	1.51	1.30	1.64

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.63	1.01	1.20	1.21	1.26	1.33	1.25	1.23	1.21	1.14	1.03
CRMS0276 - Just east of Wilkinson Canal	0.16	0.01	0.01	-0.02	-0.07	-0.10	0.04	0.13	0.10	0.09	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	0.00	0.00	-0.01	-0.03	0.00	0.06	0.06	0.00	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.52	0.94	1.03	1.03	1.04	1.22	0.94	0.50	0.72	0.94	0.95
USGS7380251 Barataria Bay North of Grand Isle	0.35	0.38	0.72	0.98	0.98	0.83	0.77	0.43	0.18	0.14	0.42	0.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.55	0.42	0.71	0.89	0.94	0.90	0.92	0.69	0.30	0.26	0.37	0.50
USGS 07380335 - Little Lake Near Cutoff	0.44	0.32	0.52	0.62	0.70	0.68	0.66	0.51	0.23	0.18	0.24	0.35
USGS073802516 Barataria Pass at Grand Isle	0.40	0.31	0.48	0.51	0.45	0.36	0.38	0.36	0.22	0.18	0.27	0.38
HWQ14 - Lake Washington	0.30	0.29	0.49	0.58	0.49	0.40	0.38	0.32	0.17	0.17	0.31	0.45
HWQ16 - Bayou Grand Liard	0.16	0.13	0.15	0.14	0.12	0.10	0.06	0.09	0.10	0.08	0.08	0.12
CRMS 3985	0.11	0.22	0.43	0.63	0.60	0.46	0.38	0.07	-0.08	-0.06	0.36	0.12
CRMS 0258	0.43	0.19	0.44	0.27	0.28	0.31	0.67	0.54	0.22	0.21	0.31	0.39
CRMS 0224	0.53	0.29	0.60	0.53	0.57	0.66	0.94	0.69	0.27	0.25	0.35	0.44
CRMS 0163	0.01	0.00	0.00	0.00	0.00	0.00	-0.02	0.03	0.05	0.04	-0.03	0.01
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.03	0.05	0.08	-0.03	0.03

Figure WQ TOTN 134 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.20	0.91	0.82	0.78	0.71	0.65	0.66	0.64	0.65	0.78	1.03
CRMS0276 - Just east of Wilkinson Canal	1.44	1.52	1.64	1.74	1.74	1.49	1.18	1.03	1.31	1.06	1.06	1.59
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.85	1.91	1.84	1.86	1.81	1.63	1.84	1.68	1.60	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.30	0.97	0.97	0.93	0.83	0.66	0.63	0.65	0.65	0.77	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.06	0.99	0.70	0.58	0.56	0.59	0.65	0.72	0.75	0.88	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.23	0.99	0.86	0.73	0.66	0.61	0.62	0.65	0.63	0.70	1.00
USGS 07380335 - Little Lake Near Cutoff	1.25	1.27	1.11	1.04	0.89	0.75	0.71	0.71	0.74	0.67	0.70	1.05
USGS073802516 Barataria Pass at Grand Isle	1.22	1.22	0.95	0.89	0.80	0.72	0.69	0.67	0.65	0.61	0.66	0.97
HWQ14 - Lake Washington	1.25	1.13	0.86	0.65	0.57	0.54	0.53	0.54	0.60	0.61	0.72	0.99
HWQ16 - Bayou Grand Liard	1.16	1.23	1.26	1.27	1.29	1.11	1.00	0.88	0.85	0.68	0.69	1.11
CRMS 3985	1.35	0.98	1.14	0.71	0.56	0.57	0.61	0.77	0.87	0.89	1.03	1.37
CRMS 0258	1.43	1.43	1.37	1.34	1.31	1.15	0.93	0.86	0.94	0.86	0.93	1.31
CRMS 0224	1.31	1.34	1.15	1.17	1.09	0.89	0.69	0.65	0.79	0.72	0.76	1.09
CRMS 0163	1.86	1.91	1.88	1.94	1.84	1.96	1.92	1.85	1.91	1.78	1.80	1.86
CRMS 0162	1.74	1.63	1.79	1.79	1.77	1.94	2.00	1.90	1.48	1.19	1.35	1.82

V3PR4 HYST - cy 3 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.01	1.95	1.98	1.99	1.91	1.98	1.99	1.92	1.90	1.92	1.90	1.98
CRMS0276 - Just east of Wilkinson Canal	1.57	1.52	1.63	1.73	1.70	1.42	1.27	1.16	1.40	1.12	1.12	1.61
Barataria Waterway at Lafitte (USACE82875)	1.79	1.83	1.85	1.91	1.86	1.87	1.77	1.65	1.90	1.74	1.63	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	2.29	1.99	1.87	1.94	1.84	1.91	1.91	1.39	1.24	1.44	1.76	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.51	1.46	1.62	1.67	1.59	1.50	1.37	0.98	0.91	0.90	1.15	1.64
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.57	1.51	1.70	1.73	1.65	1.60	1.55	1.03	0.94	0.89	1.05	1.72
USGS 07380335 - Little Lake Near Cutoff	1.50	1.46	1.63	1.65	1.58	1.49	1.40	1.01	0.96	0.85	0.93	1.62
USGS073802516 Barataria Pass at Grand Isle	1.46	1.42	1.45	1.39	1.27	1.07	1.07	0.91	0.85	0.79	0.91	1.49
HWQ14 - Lake Washington	1.40	1.39	1.35	1.26	1.12	0.95	0.92	0.82	0.77	0.78	0.96	1.38
HWQ16 - Bayou Grand Liard	1.28	1.28	1.40	1.43	1.40	1.20	1.07	0.94	0.94	0.74	0.75	1.30
CRMS 3985	1.33	1.40	1.47	1.35	1.24	1.10	1.03	0.88	0.82	0.85	1.07	1.34
CRMS 0258	1.86	1.65	1.67	1.63	1.56	1.59	1.64	1.31	1.16	1.06	1.25	1.70
CRMS 0224	1.69	1.59	1.67	1.68	1.60	1.64	1.65	1.12	1.05	0.96	1.12	1.68
CRMS 0163	1.86	1.88	1.88	1.94	1.86	1.97	1.88	1.88	1.95	1.82	1.81	1.88
CRMS 0162	1.74	1.62	1.78	1.78	1.79	1.94	2.00	1.94	1.53	1.26	1.35	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.74	1.06	1.17	1.13	1.27	1.35	1.26	1.26	1.26	1.12	0.95
CRMS0276 - Just east of Wilkinson Canal	0.13	0.00	-0.01	-0.01	-0.04	-0.07	0.09	0.12	0.08	0.07	0.06	0.02
Barataria Waterway at Lafitte (USACE82875)	0.02	-0.03	0.00	0.00	0.02	0.01	-0.04	0.02	0.06	0.05	0.02	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	0.69	0.90	0.97	0.91	1.08	1.26	0.76	0.59	0.79	0.99	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.41	0.63	0.97	1.01	0.93	0.78	0.33	0.19	0.15	0.27	0.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.31	0.28	0.71	0.87	0.92	0.94	0.93	0.41	0.30	0.26	0.35	0.72
USGS 07380335 - Little Lake Near Cutoff	0.26	0.19	0.52	0.60	0.69	0.74	0.68	0.29	0.22	0.17	0.23	0.57
USGS073802516 Barataria Pass at Grand Isle	0.25	0.19	0.50	0.51	0.47	0.34	0.38	0.24	0.21	0.18	0.25	0.52
HWQ14 - Lake Washington	0.15	0.26	0.49	0.60	0.55	0.41	0.38	0.28	0.17	0.17	0.24	0.39
HWQ16 - Bayou Grand Liard	0.12	0.06	0.14	0.16	0.11	0.09	0.07	0.06	0.09	0.06	0.06	0.19
CRMS 3985	-0.02	0.42	0.33	0.64	0.68	0.53	0.41	0.11	-0.04	-0.04	0.04	-0.03
CRMS 0258	0.43	0.22	0.30	0.29	0.25	0.44	0.71	0.45	0.22	0.21	0.33	0.38
CRMS 0224	0.38	0.24	0.52	0.51	0.51	0.75	0.97	0.47	0.26	0.24	0.36	0.59
CRMS 0163	0.00	-0.03	0.00	0.00	0.02	0.01	-0.03	0.03	0.04	0.04	0.01	0.02
CRMS 0162	-0.01	0.00	-0.01	-0.01	0.02	0.00	0.00	0.04	0.06	0.07	0.00	0.01

Figure WQ TOTN 135 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.21	0.95	0.79	0.78	0.72	0.63	0.62	0.60	0.62	0.82	0.98
CRMS0276 - Just east of Wilkinson Canal	1.36	1.69	1.65	1.75	1.74	1.66	1.01	0.74	1.05	1.00	1.23	1.36
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.90	1.90	1.94	1.91	1.58	1.40	1.71	1.72	1.72	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.26	0.96	0.92	0.91	0.85	0.66	0.61	0.57	0.58	0.79	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.19	1.04	0.67	0.59	0.57	0.60	0.72	0.73	0.77	0.98	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.21	1.04	0.84	0.71	0.66	0.61	0.56	0.59	0.58	0.77	1.01
USGS 07380335 - Little Lake Near Cutoff	1.10	1.28	1.15	1.03	0.84	0.77	0.69	0.57	0.64	0.61	0.80	1.02
USGS073802516 Barataria Pass at Grand Isle	1.04	1.19	1.02	0.87	0.76	0.74	0.66	0.54	0.58	0.56	0.73	0.97
HWQ14 - Lake Washington	0.94	1.09	0.93	0.63	0.56	0.54	0.54	0.56	0.60	0.61	0.79	1.00
HWQ16 - Bayou Grand Liard	1.09	1.35	1.27	1.28	1.21	1.17	0.83	0.61	0.69	0.63	0.78	0.95
CRMS 3985	0.97	1.26	1.15	0.67	0.57	0.58	0.65	0.94	0.90	0.95	1.16	1.09
CRMS 0258	1.26	1.48	1.32	1.34	1.26	1.24	0.87	0.67	0.73	0.70	1.01	1.27
CRMS 0224	1.13	1.35	1.14	1.15	1.03	0.94	0.69	0.58	0.65	0.61	0.84	1.10
CRMS 0163	1.82	1.89	1.94	1.93	1.97	1.99	1.72	1.69	1.81	1.81	1.85	1.90
CRMS 0162	1.79	1.82	1.76	1.82	1.80	1.94	1.97	1.48	1.01	1.42	1.52	1.72

V3PR5 HYST - cy 3 - 2002 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	2.01	2.00	2.00	2.00	1.93	1.92	1.91	1.86	1.88	1.93
CRMS0276 - Just east of Wilkinson Canal	1.51	1.69	1.67	1.72	1.66	1.55	1.07	0.85	1.11	1.07	1.27	1.40
Barataria Waterway at Lafitte (USACE82875)	1.75	1.86	1.90	1.90	1.94	1.91	1.58	1.46	1.79	1.77	1.74	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	2.02	1.87	2.07	1.91	1.91	1.90	1.41	1.30	1.10	1.22	1.60	1.84
USGS7380251 Barataria Bay North of Grand Isle	1.59	1.67	1.64	1.66	1.64	1.51	0.92	0.86	0.89	0.89	1.13	1.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.58	1.72	1.69	1.71	1.70	1.61	1.03	0.82	0.85	0.82	1.04	1.39
USGS 07380335 - Little Lake Near Cutoff	1.48	1.65	1.61	1.62	1.60	1.51	0.99	0.73	0.82	0.77	0.97	1.28
USGS073802516 Barataria Pass at Grand Isle	1.46	1.56	1.45	1.36	1.24	1.12	0.89	0.69	0.75	0.72	0.92	1.21
HWQ14 - Lake Washington	1.45	1.50	1.36	1.21	1.10	1.00	0.80	0.71	0.75	0.76	0.95	1.25
HWQ16 - Bayou Grand Liard	1.25	1.48	1.39	1.41	1.33	1.26	0.89	0.67	0.75	0.69	0.84	1.04
CRMS 3985	1.47	1.53	1.43	1.32	1.24	1.14	0.85	0.88	0.91	0.92	1.09	1.33
CRMS 0258	1.73	1.70	1.67	1.58	1.57	1.60	1.21	1.04	0.91	0.90	1.23	1.49
CRMS 0224	1.63	1.70	1.67	1.64	1.63	1.65	1.11	0.90	0.88	0.84	1.11	1.42
CRMS 0163	1.83	1.90	1.94	1.93	1.97	1.98	1.71	1.73	1.89	1.84	1.85	1.88
CRMS 0162	1.79	1.82	1.76	1.81	1.79	1.93	1.99	1.54	1.07	1.45	1.52	1.71

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.88	0.77	1.06	1.22	1.22	1.28	1.30	1.30	1.31	1.24	1.06	0.95
CRMS0276 - Just east of Wilkinson Canal	0.15	0.01	0.02	-0.03	-0.08	-0.11	0.07	0.11	0.06	0.07	0.05	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.06	0.08	0.05	0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.89	0.60	1.10	0.99	1.00	1.06	0.75	0.69	0.53	0.64	0.82	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.61	0.48	0.60	0.99	1.05	0.94	0.32	0.14	0.16	0.12	0.15	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.54	0.51	0.65	0.87	0.99	0.95	0.42	0.26	0.26	0.24	0.27	0.38
USGS 07380335 - Little Lake Near Cutoff	0.38	0.37	0.46	0.59	0.76	0.74	0.30	0.16	0.18	0.16	0.17	0.26
USGS073802516 Barataria Pass at Grand Isle	0.42	0.37	0.44	0.49	0.48	0.39	0.23	0.14	0.17	0.16	0.19	0.24
HWQ14 - Lake Washington	0.51	0.41	0.43	0.59	0.53	0.46	0.27	0.15	0.15	0.15	0.16	0.25
HWQ16 - Bayou Grand Liard	0.15	0.14	0.12	0.13	0.12	0.09	0.06	0.05	0.06	0.06	0.06	0.09
CRMS 3985	0.50	0.27	0.28	0.65	0.67	0.56	0.20	-0.06	0.01	-0.03	-0.07	0.25
CRMS 0258	0.47	0.23	0.35	0.25	0.31	0.36	0.33	0.37	0.18	0.20	0.22	0.22
CRMS 0224	0.51	0.35	0.54	0.49	0.60	0.71	0.42	0.31	0.23	0.23	0.27	0.32
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.04	0.01	-0.02
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.02	0.07	0.06	0.03	0.00	0.00

Figure WQ TOTN 136 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.38	0.97	0.81	0.80	0.72	0.62	0.62	0.60	0.63	0.77	1.00
CRMS0276 - Just east of Wilkinson Canal	1.38	1.71	1.76	1.75	1.77	1.41	0.92	0.84	1.13	0.90	1.04	1.46
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.89	1.92	1.95	1.80	1.67	1.53	1.80	1.57	1.62	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.41	1.02	0.94	0.94	0.84	0.65	0.60	0.59	0.60	0.71	0.95
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.36	0.96	0.65	0.59	0.57	0.58	0.73	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.35	1.13	0.83	0.73	0.65	0.58	0.56	0.61	0.58	0.66	0.97
USGS 07380335 - Little Lake Near Cutoff	1.19	1.39	1.28	1.02	0.87	0.72	0.63	0.60	0.67	0.60	0.64	0.99
USGS073802516 Barataria Pass at Grand Isle	1.17	1.33	1.12	0.87	0.80	0.69	0.60	0.56	0.60	0.56	0.63	0.93
HWQ14 - Lake Washington	1.24	1.29	0.93	0.62	0.57	0.55	0.53	0.56	0.61	0.60	0.74	0.99
HWQ16 - Bayou Grand Liard	1.10	1.40	1.44	1.29	1.28	0.95	0.71	0.67	0.74	0.59	0.66	0.99
CRMS 3985	1.46	1.36	0.94	0.62	0.56	0.58	0.64	0.98	0.91	0.92	1.10	1.37
CRMS 0258	1.40	1.55	1.41	1.32	1.29	1.17	0.85	0.67	0.78	0.73	0.80	1.29
CRMS 0224	1.26	1.45	1.26	1.14	1.07	0.88	0.65	0.59	0.69	0.63	0.68	1.05
CRMS 0163	1.83	1.89	1.92	1.96	1.98	1.97	1.81	1.73	1.86	1.66	1.82	1.86
CRMS 0162	1.79	1.83	1.87	1.83	1.89	1.91	1.99	1.65	1.14	0.95	1.39	1.77

V3PR5 HYST - cy 3 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.99	2.00	2.00	2.01	1.99	1.90	1.90	1.90	1.88	1.90	1.93
CRMS0276 - Just east of Wilkinson Canal	1.48	1.72	1.75	1.71	1.68	1.40	0.97	0.92	1.17	1.02	1.15	1.50
Barataria Waterway at Lafitte (USACE82875)	1.75	1.87	1.89	1.92	1.95	1.80	1.69	1.57	1.84	1.66	1.67	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.90	1.87	1.92	1.94	1.95	1.57	1.34	1.29	1.10	1.24	1.62	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.56	1.65	1.71	1.69	1.68	0.99	0.80	0.83	0.87	0.87	1.05	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.58	1.74	1.79	1.74	1.74	1.13	0.84	0.80	0.85	0.82	0.98	1.43
USGS 07380335 - Little Lake Near Cutoff	1.47	1.68	1.73	1.64	1.65	1.11	0.80	0.75	0.83	0.76	0.89	1.32
USGS073802516 Barataria Pass at Grand Isle	1.43	1.57	1.52	1.36	1.29	0.98	0.74	0.69	0.75	0.72	0.86	1.20
HWQ14 - Lake Washington	1.39	1.44	1.36	1.19	1.13	0.86	0.70	0.68	0.73	0.75	0.89	1.16
HWQ16 - Bayou Grand Liard	1.20	1.52	1.55	1.42	1.39	1.05	0.76	0.73	0.79	0.67	0.75	1.11
CRMS 3985	1.42	1.35	1.42	1.31	1.27	0.87	0.76	0.84	0.90	0.90	0.91	1.22
CRMS 0258	1.72	1.72	1.75	1.63	1.62	1.29	1.11	1.00	0.92	0.92	1.15	1.58
CRMS 0224	1.63	1.72	1.76	1.69	1.68	1.21	0.95	0.88	0.89	0.85	1.04	1.48
CRMS 0163	1.84	1.90	1.92	1.96	1.99	1.98	1.83	1.75	1.91	1.76	1.84	1.87
CRMS 0162	1.79	1.84	1.87	1.83	1.88	1.91	2.00	1.72	1.20	1.03	1.39	1.78

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.61	0.61	1.02	1.20	1.22	1.27	1.28	1.28	1.30	1.25	1.13	0.93
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	-0.02	-0.04	-0.09	-0.01	0.06	0.08	0.05	0.11	0.11	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.04	0.04	0.10	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.46	0.90	1.00	1.01	0.73	0.69	0.69	0.52	0.64	0.91	0.87
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.30	0.75	1.04	1.09	0.42	0.22	0.10	0.13	0.12	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.37	0.39	0.66	0.91	1.01	0.48	0.26	0.23	0.24	0.23	0.33	0.46
USGS 07380335 - Little Lake Near Cutoff	0.29	0.29	0.46	0.62	0.78	0.40	0.17	0.15	0.16	0.16	0.25	0.33
USGS073802516 Barataria Pass at Grand Isle	0.27	0.24	0.40	0.49	0.49	0.29	0.14	0.13	0.15	0.16	0.23	0.27
HWQ14 - Lake Washington	0.15	0.15	0.42	0.58	0.56	0.31	0.17	0.12	0.13	0.14	0.16	0.17
HWQ16 - Bayou Grand Liard	0.09	0.12	0.11	0.13	0.11	0.11	0.04	0.06	0.05	0.08	0.10	0.12
CRMS 3985	-0.04	-0.01	0.48	0.69	0.72	0.30	0.12	-0.14	-0.01	-0.02	-0.19	-0.16
CRMS 0258	0.32	0.17	0.34	0.31	0.33	0.11	0.26	0.32	0.14	0.19	0.35	0.29
CRMS 0224	0.38	0.27	0.51	0.55	0.61	0.32	0.30	0.29	0.21	0.23	0.37	0.43
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.05	0.10	0.02	0.01
CRMS 0162	0.00	0.00	0.00	-0.01	-0.01	0.00	0.01	0.07	0.05	0.08	0.00	0.01

Figure WQ TOTN 137 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.30	0.96	0.72	0.71	0.63	0.57	0.59	0.57	0.60	0.87	1.06
CRMS0276 - Just east of Wilkinson Canal	1.21	1.59	1.52	1.57	1.59	1.23	0.64	0.57	0.83	0.96	1.25	1.42
Barataria Waterway at Lafitte (USACE82875)	1.64	1.82	1.85	1.88	1.90	1.78	1.35	1.29	1.32	1.71	1.72	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.32	0.95	0.85	0.83	0.73	0.58	0.57	0.51	0.53	0.81	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.32	1.17	0.65	0.57	0.55	0.73	0.77	0.74	0.80	1.02	1.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	1.07	0.77	0.64	0.57	0.54	0.51	0.54	0.54	0.77	1.05
USGS 07380335 - Little Lake Near Cutoff	1.09	1.28	1.12	0.91	0.73	0.62	0.53	0.47	0.54	0.55	0.79	1.06
USGS073802516 Barataria Pass at Grand Isle	1.10	1.23	1.05	0.80	0.67	0.58	0.50	0.46	0.52	0.52	0.73	1.00
HWQ14 - Lake Washington	1.23	1.23	1.06	0.63	0.53	0.49	0.57	0.58	0.60	0.60	0.81	1.05
HWQ16 - Bayou Grand Liard	0.98	1.27	1.17	1.10	1.02	0.80	0.53	0.50	0.58	0.57	0.79	1.01
CRMS 3985	1.41	1.37	1.32	0.68	0.58	0.62	1.00	1.06	0.92	0.99	1.17	1.39
CRMS 0258	1.25	1.44	1.14	1.23	1.18	0.99	0.67	0.57	0.58	0.60	1.05	1.30
CRMS 0224	1.16	1.34	1.08	1.04	0.93	0.79	0.57	0.51	0.53	0.54	0.84	1.12
CRMS 0163	1.76	1.87	1.90	1.91	1.92	1.85	1.49	1.55	1.41	1.79	1.84	1.85
CRMS 0162	1.65	1.77	1.67	1.57	1.55	1.60	1.55	1.09	0.71	1.28	1.59	1.78

V3PR5 HYST - cy 3 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.91	1.96	1.98	1.93	1.93	1.90	1.92	1.89	1.87	1.83	1.84	1.89
CRMS0276 - Just east of Wilkinson Canal	1.27	1.60	1.55	1.60	1.56	1.25	0.71	0.64	0.90	1.02	1.29	1.46
Barataria Waterway at Lafitte (USACE82875)	1.66	1.83	1.88	1.89	1.90	1.79	1.43	1.34	1.50	1.77	1.74	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.73	1.82	1.75	1.46	1.59	1.06	1.19	1.18	0.98	1.13	1.40	1.69
USGS7380251 Barataria Bay North of Grand Isle	1.43	1.56	1.42	1.16	1.18	0.70	0.69	0.78	0.80	0.83	1.10	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.33	1.58	1.44	1.20	1.29	0.78	0.70	0.69	0.73	0.73	0.98	1.31
USGS 07380335 - Little Lake Near Cutoff	1.21	1.51	1.37	1.20	1.16	0.77	0.64	0.57	0.68	0.67	0.93	1.23
USGS073802516 Barataria Pass at Grand Isle	1.23	1.44	1.25	1.06	0.91	0.72	0.58	0.55	0.64	0.63	0.87	1.17
HWQ14 - Lake Washington	1.32	1.40	1.19	0.95	0.79	0.63	0.60	0.64	0.67	0.68	0.90	1.19
HWQ16 - Bayou Grand Liard	1.01	1.34	1.24	1.17	1.06	0.86	0.56	0.53	0.64	0.63	0.85	1.08
CRMS 3985	1.41	1.43	1.27	0.98	0.84	0.66	0.69	0.92	0.88	0.90	1.06	1.29
CRMS 0258	1.48	1.60	1.29	1.29	1.26	1.04	0.87	0.84	0.73	0.77	1.20	1.47
CRMS 0224	1.36	1.58	1.36	1.24	1.25	0.93	0.78	0.74	0.73	0.73	1.04	1.35
CRMS 0163	1.77	1.88	1.93	1.92	1.93	1.87	1.56	1.60	1.61	1.82	1.85	1.86
CRMS 0162	1.65	1.78	1.68	1.55	1.57	1.64	1.60	1.14	0.76	1.36	1.59	1.79

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.64	0.66	1.01	1.20	1.23	1.27	1.35	1.30	1.30	1.23	0.97	0.82
CRMS0276 - Just east of Wilkinson Canal	0.06	0.01	0.03	0.03	-0.03	0.02	0.07	0.07	0.07	0.06	0.05	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.04	0.01	0.01	0.01	0.08	0.05	0.17	0.05	0.02	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.47	0.50	0.80	0.61	0.76	0.33	0.61	0.61	0.47	0.60	0.60	0.66
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.24	0.25	0.50	0.62	0.15	-0.05	0.00	0.06	0.03	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.33	0.37	0.43	0.65	0.21	0.16	0.18	0.19	0.19	0.21	0.26
USGS 07380335 - Little Lake Near Cutoff	0.12	0.23	0.25	0.29	0.43	0.16	0.11	0.10	0.14	0.12	0.14	0.17
USGS073802516 Barataria Pass at Grand Isle	0.13	0.21	0.20	0.26	0.24	0.13	0.08	0.08	0.12	0.12	0.14	0.16
HWQ14 - Lake Washington	0.09	0.18	0.13	0.31	0.26	0.14	0.02	0.06	0.07	0.08	0.09	0.13
HWQ16 - Bayou Grand Liard	0.03	0.07	0.07	0.08	0.05	0.06	0.03	0.03	0.06	0.06	0.05	0.07
CRMS 3985	0.00	0.06	-0.05	0.31	0.26	0.04	-0.31	-0.14	-0.04	-0.09	-0.12	-0.10
CRMS 0258	0.23	0.16	0.15	0.06	0.09	0.05	0.20	0.27	0.15	0.17	0.15	0.17
CRMS 0224	0.20	0.24	0.28	0.20	0.32	0.14	0.21	0.23	0.20	0.19	0.20	0.23
CRMS 0163	0.01	0.01	0.03	0.01	0.01	0.02	0.07	0.05	0.21	0.03	0.01	0.01
CRMS 0162	0.00	0.00	0.02	-0.02	0.02	0.04	0.05	0.05	0.05	0.08	0.00	0.01

Figure WQ TOTN 138 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.36	0.98	0.80	0.78	0.73	0.66	0.69	0.69	0.69	0.77	0.88
CRMS0276 - Just east of Wilkinson Canal	1.32	1.74	1.73	1.72	1.70	1.59	1.23	1.11	1.38	1.11	1.12	1.30
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.91	1.91	1.93	1.89	1.84	1.72	1.85	1.73	1.63	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.40	1.01	0.92	0.91	0.87	0.68	0.66	0.71	0.69	0.80	0.91
USGS7380251 Barataria Bay North of Grand Isle	1.29	1.33	1.03	0.67	0.60	0.58	0.60	0.72	0.76	0.77	0.73	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.35	1.11	0.83	0.70	0.66	0.63	0.63	0.68	0.65	0.72	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.41	1.23	1.01	0.82	0.76	0.73	0.73	0.78	0.70	0.75	0.88
USGS073802516 Barataria Pass at Grand Isle	1.08	1.33	1.10	0.85	0.74	0.71	0.70	0.69	0.68	0.63	0.68	0.81
HWQ14 - Lake Washington	1.15	1.26	0.96	0.63	0.56	0.54	0.54	0.58	0.62	0.62	0.67	0.80
HWQ16 - Bayou Grand Liard	1.08	1.44	1.38	1.25	1.14	1.09	1.00	0.93	0.89	0.70	0.72	0.88
CRMS 3985	1.39	1.34	1.08	0.66	0.58	0.59	0.64	0.90	0.90	0.91	0.71	1.19
CRMS 0258	1.29	1.56	1.36	1.32	1.25	1.26	0.97	0.90	1.04	0.89	1.02	1.14
CRMS 0224	1.15	1.46	1.21	1.12	1.01	0.95	0.72	0.67	0.84	0.75	0.83	0.96
CRMS 0163	1.83	1.90	1.95	1.94	1.97	1.98	1.90	1.86	1.91	1.81	1.83	1.84
CRMS 0162	1.81	1.87	1.82	1.76	1.74	1.91	1.98	1.90	1.58	1.43	1.33	1.61

V3PR5 HYST - cy 3 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	1.99	1.99	2.00	2.00	1.99	1.99	1.94	1.92	1.90	1.91	1.91
CRMS0276 - Just east of Wilkinson Canal	1.48	1.75	1.73	1.70	1.63	1.49	1.27	1.23	1.49	1.20	1.18	1.36
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.90	1.91	1.93	1.87	1.81	1.71	1.92	1.79	1.63	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.86	1.89	1.95	1.93	1.92	1.89	1.87	1.54	1.13	1.27	1.69	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.65	1.72	1.75	1.66	1.60	1.43	1.41	1.16	0.93	0.91	1.16	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.67	1.78	1.81	1.72	1.64	1.56	1.56	1.33	0.99	0.91	1.09	1.35
USGS 07380335 - Little Lake Near Cutoff	1.53	1.72	1.75	1.62	1.52	1.44	1.40	1.23	1.01	0.88	0.99	1.23
USGS073802516 Barataria Pass at Grand Isle	1.48	1.63	1.58	1.37	1.19	1.08	1.08	1.05	0.90	0.82	0.96	1.19
HWQ14 - Lake Washington	1.45	1.56	1.46	1.22	1.07	0.96	0.93	0.90	0.79	0.79	0.99	1.25
HWQ16 - Bayou Grand Liard	1.22	1.57	1.52	1.39	1.27	1.19	1.06	1.01	0.99	0.78	0.79	1.01
CRMS 3985	1.51	1.57	1.52	1.31	1.20	1.07	1.05	0.98	0.81	0.85	1.07	1.31
CRMS 0258	1.72	1.74	1.80	1.57	1.51	1.56	1.62	1.44	1.27	1.11	1.34	1.52
CRMS 0224	1.68	1.75	1.81	1.64	1.56	1.59	1.66	1.37	1.12	1.00	1.18	1.39
CRMS 0163	1.84	1.90	1.95	1.94	1.97	1.97	1.88	1.88	1.96	1.85	1.80	1.85
CRMS 0162	1.81	1.87	1.80	1.75	1.74	1.92	1.98	1.94	1.65	1.52	1.32	1.64

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.63	1.01	1.20	1.22	1.26	1.33	1.25	1.23	1.21	1.14	1.03
CRMS0276 - Just east of Wilkinson Canal	0.16	0.01	0.01	-0.03	-0.07	-0.10	0.04	0.12	0.11	0.09	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.01	0.07	0.06	0.00	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.50	0.94	1.01	1.01	1.02	1.19	0.88	0.43	0.58	0.88	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.36	0.39	0.72	0.99	1.00	0.86	0.80	0.44	0.18	0.14	0.42	0.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.55	0.42	0.71	0.89	0.93	0.90	0.93	0.70	0.30	0.26	0.37	0.49
USGS 07380335 - Little Lake Near Cutoff	0.44	0.32	0.52	0.61	0.70	0.68	0.67	0.50	0.24	0.18	0.24	0.35
USGS073802516 Barataria Pass at Grand Isle	0.41	0.31	0.48	0.51	0.45	0.36	0.39	0.36	0.22	0.19	0.27	0.38
HWQ14 - Lake Washington	0.30	0.30	0.50	0.59	0.50	0.42	0.39	0.32	0.17	0.17	0.31	0.45
HWQ16 - Bayou Grand Liard	0.14	0.13	0.14	0.14	0.13	0.10	0.06	0.07	0.10	0.08	0.07	0.13
CRMS 3985	0.12	0.23	0.44	0.65	0.62	0.49	0.40	0.08	-0.08	-0.06	0.36	0.12
CRMS 0258	0.43	0.18	0.44	0.26	0.26	0.30	0.65	0.53	0.23	0.21	0.31	0.38
CRMS 0224	0.53	0.29	0.60	0.52	0.55	0.64	0.94	0.69	0.28	0.25	0.35	0.43
CRMS 0163	0.01	0.00	0.00	0.00	0.00	0.00	-0.02	0.02	0.06	0.04	-0.03	0.01
CRMS 0162	0.00	0.00	-0.02	-0.01	0.00	0.01	0.01	0.04	0.07	0.09	-0.01	0.03

Figure WQ TOTN 139 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.20	0.91	0.82	0.78	0.71	0.65	0.66	0.64	0.65	0.78	1.03
CRMS0276 - Just east of Wilkinson Canal	1.44	1.52	1.64	1.74	1.74	1.49	1.18	1.03	1.31	1.06	1.06	1.59
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.85	1.91	1.84	1.86	1.81	1.63	1.84	1.68	1.60	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.30	0.97	0.97	0.93	0.83	0.66	0.63	0.65	0.65	0.77	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.06	0.99	0.70	0.58	0.56	0.59	0.65	0.72	0.75	0.88	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.23	0.99	0.86	0.73	0.66	0.61	0.62	0.65	0.63	0.70	1.00
USGS 07380335 - Little Lake Near Cutoff	1.25	1.27	1.11	1.04	0.89	0.75	0.71	0.71	0.74	0.67	0.70	1.05
USGS073802516 Barataria Pass at Grand Isle	1.22	1.22	0.95	0.89	0.80	0.72	0.69	0.67	0.65	0.61	0.66	0.97
HWQ14 - Lake Washington	1.25	1.13	0.86	0.65	0.57	0.54	0.53	0.54	0.60	0.61	0.72	0.99
HWQ16 - Bayou Grand Liard	1.16	1.23	1.26	1.27	1.29	1.11	1.00	0.88	0.85	0.68	0.69	1.11
CRMS 3985	1.35	0.98	1.14	0.71	0.56	0.57	0.61	0.77	0.87	0.89	1.03	1.37
CRMS 0258	1.43	1.43	1.37	1.34	1.31	1.15	0.93	0.86	0.94	0.86	0.93	1.31
CRMS 0224	1.31	1.34	1.15	1.17	1.09	0.89	0.69	0.65	0.79	0.72	0.76	1.09
CRMS 0163	1.86	1.91	1.88	1.94	1.84	1.96	1.92	1.85	1.91	1.78	1.80	1.86
CRMS 0162	1.74	1.63	1.79	1.79	1.77	1.94	2.00	1.90	1.48	1.19	1.35	1.82

V3PR5 HYST - cy 3 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.01	1.95	1.98	1.99	1.91	1.99	1.99	1.92	1.91	1.92	1.90	1.97
CRMS0276 - Just east of Wilkinson Canal	1.57	1.52	1.63	1.73	1.70	1.42	1.27	1.17	1.40	1.13	1.13	1.61
Barataria Waterway at Lafitte (USACE82875)	1.79	1.83	1.85	1.91	1.86	1.87	1.77	1.67	1.89	1.74	1.63	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	2.31	1.98	1.85	1.92	1.82	1.90	1.90	1.33	1.15	1.29	1.70	1.86
USGS7380251 Barataria Bay North of Grand Isle	1.63	1.52	1.64	1.68	1.60	1.51	1.40	0.98	0.91	0.90	1.15	1.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.63	1.55	1.70	1.73	1.65	1.60	1.55	1.04	0.95	0.90	1.05	1.72
USGS 07380335 - Little Lake Near Cutoff	1.53	1.49	1.64	1.65	1.58	1.49	1.40	1.02	0.96	0.85	0.94	1.62
USGS073802516 Barataria Pass at Grand Isle	1.52	1.45	1.47	1.40	1.27	1.07	1.08	0.93	0.86	0.80	0.92	1.49
HWQ14 - Lake Washington	1.51	1.45	1.38	1.27	1.12	0.96	0.93	0.83	0.77	0.78	0.97	1.41
HWQ16 - Bayou Grand Liard	1.26	1.29	1.41	1.44	1.39	1.20	1.08	0.98	0.95	0.75	0.76	1.30
CRMS 3985	1.48	1.46	1.49	1.36	1.25	1.12	1.05	0.89	0.82	0.85	1.07	1.50
CRMS 0258	1.87	1.66	1.67	1.62	1.56	1.59	1.62	1.32	1.17	1.07	1.26	1.69
CRMS 0224	1.72	1.60	1.67	1.67	1.60	1.64	1.65	1.13	1.06	0.97	1.13	1.67
CRMS 0163	1.86	1.88	1.88	1.94	1.86	1.97	1.89	1.89	1.95	1.83	1.82	1.87
CRMS 0162	1.73	1.63	1.78	1.77	1.80	1.94	2.00	1.94	1.55	1.33	1.35	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.75	1.06	1.17	1.13	1.27	1.34	1.27	1.27	1.27	1.12	0.94
CRMS0276 - Just east of Wilkinson Canal	0.13	0.00	-0.01	-0.01	-0.04	-0.07	0.09	0.14	0.09	0.08	0.07	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.03	0.00	0.00	0.02	0.01	-0.03	0.03	0.05	0.06	0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.97	0.67	0.87	0.95	0.89	1.07	1.24	0.70	0.50	0.64	0.93	0.85
USGS7380251 Barataria Bay North of Grand Isle	0.30	0.46	0.65	0.98	1.02	0.95	0.81	0.33	0.18	0.15	0.27	0.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.37	0.32	0.72	0.87	0.92	0.94	0.94	0.43	0.31	0.27	0.36	0.72
USGS 07380335 - Little Lake Near Cutoff	0.28	0.21	0.53	0.60	0.69	0.74	0.68	0.31	0.23	0.18	0.24	0.57
USGS073802516 Barataria Pass at Grand Isle	0.30	0.23	0.52	0.51	0.47	0.35	0.39	0.26	0.22	0.18	0.26	0.52
HWQ14 - Lake Washington	0.26	0.32	0.52	0.62	0.56	0.42	0.39	0.29	0.18	0.17	0.25	0.43
HWQ16 - Bayou Grand Liard	0.10	0.06	0.14	0.16	0.10	0.09	0.08	0.10	0.09	0.07	0.07	0.19
CRMS 3985	0.13	0.48	0.35	0.65	0.69	0.55	0.43	0.12	-0.04	-0.04	0.04	0.14
CRMS 0258	0.44	0.23	0.30	0.28	0.25	0.44	0.69	0.46	0.23	0.21	0.33	0.38
CRMS 0224	0.41	0.26	0.52	0.50	0.50	0.75	0.96	0.48	0.28	0.25	0.36	0.57
CRMS 0163	-0.01	-0.03	0.00	0.00	0.02	0.01	-0.02	0.04	0.04	0.06	0.01	0.01
CRMS 0162	-0.01	0.01	-0.02	-0.02	0.02	0.01	0.00	0.04	0.07	0.14	0.00	0.00

Figure WQ TOTN 140 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.21	0.95	0.79	0.78	0.72	0.63	0.62	0.60	0.62	0.82	0.98
CRMS0276 - Just east of Wilkinson Canal	1.36	1.69	1.65	1.75	1.74	1.66	1.01	0.74	1.05	1.00	1.23	1.36
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.90	1.90	1.94	1.91	1.58	1.40	1.71	1.72	1.72	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.26	0.96	0.92	0.91	0.85	0.66	0.61	0.57	0.58	0.79	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.19	1.04	0.67	0.59	0.57	0.60	0.72	0.73	0.77	0.98	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.21	1.04	0.84	0.71	0.66	0.61	0.56	0.59	0.58	0.77	1.01
USGS 07380335 - Little Lake Near Cutoff	1.10	1.28	1.15	1.03	0.84	0.77	0.69	0.57	0.64	0.61	0.80	1.02
USGS073802516 Barataria Pass at Grand Isle	1.04	1.19	1.02	0.87	0.76	0.74	0.66	0.54	0.58	0.56	0.73	0.97
HWQ14 - Lake Washington	0.94	1.09	0.93	0.63	0.56	0.54	0.54	0.56	0.60	0.61	0.79	1.00
HWQ16 - Bayou Grand Liard	1.09	1.35	1.27	1.28	1.21	1.17	0.83	0.61	0.69	0.63	0.78	0.95
CRMS 3985	0.97	1.26	1.15	0.67	0.57	0.58	0.65	0.94	0.90	0.95	1.16	1.09
CRMS 0258	1.26	1.48	1.32	1.34	1.26	1.24	0.87	0.67	0.73	0.70	1.01	1.27
CRMS 0224	1.13	1.35	1.14	1.15	1.03	0.94	0.69	0.58	0.65	0.61	0.84	1.10
CRMS 0163	1.82	1.89	1.94	1.93	1.97	1.99	1.72	1.69	1.81	1.81	1.85	1.90
CRMS 0162	1.79	1.82	1.76	1.82	1.80	1.94	1.97	1.48	1.01	1.42	1.52	1.72

V3PR6 HYST - cy 3 - 2002 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	1.99	2.03	2.01	2.00	2.01	1.95	1.96	1.91	1.86	1.90	1.93
CRMS0276 - Just east of Wilkinson Canal	1.52	1.69	1.68	1.73	1.67	1.62	1.11	0.86	1.15	1.09	1.30	1.40
Barataria Waterway at Lafitte (USACE82875)	1.75	1.86	1.90	1.90	1.93	1.89	1.55	1.47	1.80	1.78	1.77	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	2.13	1.91	2.23	1.96	1.96	1.95	1.39	1.27	1.11	1.31	1.68	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.70	1.78	1.77	1.84	1.85	1.80	0.99	0.87	0.87	0.89	1.08	1.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.69	1.83	1.84	1.88	1.89	1.87	1.14	0.86	0.87	0.86	1.07	1.42
USGS 07380335 - Little Lake Near Cutoff	1.57	1.76	1.76	1.82	1.83	1.79	1.11	0.75	0.85	0.80	1.02	1.32
USGS073802516 Barataria Pass at Grand Isle	1.53	1.64	1.60	1.56	1.50	1.43	1.00	0.70	0.78	0.75	0.94	1.20
HWQ14 - Lake Washington	1.52	1.58	1.49	1.44	1.36	1.29	0.92	0.75	0.76	0.78	0.95	1.18
HWQ16 - Bayou Grand Liard	1.26	1.55	1.46	1.58	1.50	1.42	0.93	0.68	0.78	0.71	0.86	1.04
CRMS 3985	1.54	1.63	1.55	1.58	1.54	1.46	0.95	0.85	0.90	0.93	0.94	1.34
CRMS 0258	1.79	1.76	1.78	1.77	1.74	1.71	1.15	0.97	0.89	0.88	1.23	1.52
CRMS 0224	1.71	1.77	1.82	1.81	1.80	1.81	1.15	0.88	0.87	0.85	1.13	1.45
CRMS 0163	1.83	1.90	1.94	1.93	1.97	1.98	1.72	1.76	1.89	1.85	1.87	1.87
CRMS 0162	1.79	1.82	1.74	1.80	1.78	1.93	1.98	1.55	1.05	1.47	1.52	1.70

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	0.78	1.07	1.22	1.22	1.29	1.32	1.34	1.31	1.24	1.08	0.95
CRMS0276 - Just east of Wilkinson Canal	0.15	0.01	0.03	-0.02	-0.07	-0.04	0.10	0.12	0.10	0.09	0.07	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	0.00	-0.01	-0.02	-0.02	0.07	0.09	0.06	0.04	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.01	0.65	1.27	1.04	1.05	1.11	0.73	0.66	0.54	0.73	0.89	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.73	0.59	0.73	1.17	1.26	1.23	0.40	0.15	0.14	0.12	0.10	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.65	0.63	0.80	1.04	1.18	1.21	0.54	0.30	0.28	0.28	0.30	0.41
USGS 07380335 - Little Lake Near Cutoff	0.47	0.48	0.62	0.79	1.00	1.02	0.42	0.18	0.21	0.19	0.22	0.30
USGS073802516 Barataria Pass at Grand Isle	0.50	0.45	0.58	0.70	0.74	0.70	0.34	0.16	0.20	0.19	0.21	0.23
HWQ14 - Lake Washington	0.58	0.49	0.55	0.81	0.79	0.75	0.38	0.18	0.16	0.18	0.16	0.18
HWQ16 - Bayou Grand Liard	0.17	0.21	0.19	0.30	0.29	0.26	0.10	0.07	0.09	0.09	0.08	0.09
CRMS 3985	0.56	0.37	0.40	0.90	0.97	0.88	0.30	-0.10	0.01	-0.02	-0.21	0.25
CRMS 0258	0.54	0.29	0.46	0.43	0.48	0.47	0.28	0.30	0.16	0.18	0.22	0.25
CRMS 0224	0.59	0.42	0.69	0.66	0.77	0.88	0.46	0.30	0.22	0.24	0.28	0.35
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.01	0.00	0.07	0.08	0.04	0.02	-0.03
CRMS 0162	0.01	-0.01	-0.02	-0.02	-0.01	-0.01	0.01	0.07	0.04	0.05	0.00	-0.02

Figure WQ TOTN 141 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.38	0.97	0.81	0.80	0.72	0.62	0.62	0.60	0.63	0.77	1.00
CRMS0276 - Just east of Wilkinson Canal	1.38	1.71	1.76	1.75	1.77	1.41	0.92	0.84	1.13	0.90	1.04	1.46
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.89	1.92	1.95	1.80	1.67	1.53	1.80	1.57	1.62	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.41	1.02	0.94	0.94	0.84	0.65	0.60	0.59	0.60	0.71	0.95
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.36	0.96	0.65	0.59	0.57	0.58	0.73	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.35	1.13	0.83	0.73	0.65	0.58	0.56	0.61	0.58	0.66	0.97
USGS 07380335 - Little Lake Near Cutoff	1.19	1.39	1.28	1.02	0.87	0.72	0.63	0.60	0.67	0.60	0.64	0.99
USGS073802516 Barataria Pass at Grand Isle	1.17	1.33	1.12	0.87	0.80	0.69	0.60	0.56	0.60	0.56	0.63	0.93
HWQ14 - Lake Washington	1.24	1.29	0.93	0.62	0.57	0.55	0.53	0.56	0.61	0.60	0.74	0.99
HWQ16 - Bayou Grand Liard	1.10	1.40	1.44	1.29	1.28	0.95	0.71	0.67	0.74	0.59	0.66	0.99
CRMS 3985	1.46	1.36	0.94	0.62	0.56	0.58	0.64	0.98	0.91	0.92	1.10	1.37
CRMS 0258	1.40	1.55	1.41	1.32	1.29	1.17	0.85	0.67	0.78	0.73	0.80	1.29
CRMS 0224	1.26	1.45	1.26	1.14	1.07	0.88	0.65	0.59	0.69	0.63	0.68	1.05
CRMS 0163	1.83	1.89	1.92	1.96	1.98	1.97	1.81	1.73	1.86	1.66	1.82	1.86
CRMS 0162	1.79	1.83	1.87	1.83	1.89	1.91	1.99	1.65	1.14	0.95	1.39	1.77

V3PR6 HYST - cy 3 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	2.00	2.00	2.01	2.02	2.02	1.93	1.94	1.91	1.90	1.90	1.97
CRMS0276 - Just east of Wilkinson Canal	1.51	1.71	1.76	1.73	1.71	1.39	0.99	0.94	1.21	1.03	1.17	1.50
Barataria Waterway at Lafitte (USACE82875)	1.76	1.87	1.88	1.92	1.94	1.79	1.68	1.58	1.85	1.68	1.68	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.96	1.91	1.96	1.97	1.99	1.67	1.33	1.27	1.13	1.34	1.71	1.86
USGS7380251 Barataria Bay North of Grand Isle	1.53	1.79	1.86	1.88	1.89	1.13	0.84	0.86	0.87	0.86	1.05	1.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.65	1.85	1.90	1.91	1.93	1.31	0.92	0.86	0.89	0.85	1.03	1.55
USGS 07380335 - Little Lake Near Cutoff	1.57	1.79	1.86	1.86	1.88	1.27	0.85	0.78	0.87	0.79	0.95	1.44
USGS073802516 Barataria Pass at Grand Isle	1.44	1.63	1.69	1.59	1.56	1.12	0.79	0.72	0.79	0.74	0.89	1.26
HWQ14 - Lake Washington	1.26	1.49	1.56	1.45	1.42	0.99	0.76	0.72	0.75	0.76	0.91	1.15
HWQ16 - Bayou Grand Liard	1.24	1.59	1.66	1.61	1.57	1.14	0.78	0.74	0.83	0.68	0.77	1.14
CRMS 3985	1.21	1.53	1.67	1.61	1.60	0.99	0.80	0.81	0.90	0.85	0.91	1.07
CRMS 0258	1.76	1.76	1.81	1.83	1.80	1.28	1.06	0.95	0.91	0.90	1.17	1.61
CRMS 0224	1.70	1.79	1.84	1.86	1.86	1.30	0.98	0.89	0.90	0.86	1.08	1.55
CRMS 0163	1.84	1.91	1.92	1.96	1.99	1.97	1.83	1.78	1.92	1.78	1.84	1.90
CRMS 0162	1.79	1.83	1.85	1.82	1.88	1.91	2.00	1.71	1.19	1.06	1.39	1.82

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.62	1.03	1.20	1.22	1.29	1.31	1.32	1.30	1.27	1.14	0.97
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	0.00	-0.02	-0.06	-0.01	0.07	0.10	0.09	0.13	0.14	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	-0.01	-0.01	0.00	0.00	0.01	0.05	0.05	0.11	0.06	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.50	0.93	1.03	1.05	0.83	0.68	0.67	0.54	0.74	0.99	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.44	0.90	1.22	1.31	0.56	0.26	0.12	0.12	0.10	0.13	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.50	0.77	1.08	1.20	0.66	0.34	0.30	0.28	0.27	0.38	0.58
USGS 07380335 - Little Lake Near Cutoff	0.38	0.40	0.58	0.84	1.01	0.55	0.22	0.18	0.20	0.18	0.30	0.45
USGS073802516 Barataria Pass at Grand Isle	0.28	0.31	0.57	0.72	0.76	0.43	0.19	0.16	0.19	0.18	0.26	0.33
HWQ14 - Lake Washington	0.02	0.20	0.62	0.84	0.85	0.44	0.23	0.16	0.14	0.15	0.18	0.17
HWQ16 - Bayou Grand Liard	0.14	0.19	0.22	0.32	0.29	0.19	0.06	0.07	0.09	0.09	0.12	0.15
CRMS 3985	-0.25	0.17	0.73	0.99	1.05	0.41	0.16	-0.16	-0.02	-0.07	-0.19	-0.30
CRMS 0258	0.36	0.21	0.40	0.50	0.50	0.11	0.21	0.27	0.13	0.17	0.37	0.32
CRMS 0224	0.45	0.34	0.58	0.72	0.79	0.42	0.32	0.30	0.21	0.24	0.40	0.50
CRMS 0163	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.05	0.05	0.11	0.02	0.04
CRMS 0162	0.01	0.00	-0.01	-0.02	-0.01	0.00	0.01	0.06	0.05	0.10	0.00	0.04

Figure WQ TOTN 142 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.30	0.96	0.72	0.71	0.63	0.57	0.59	0.57	0.60	0.87	1.06
CRMS0276 - Just east of Wilkinson Canal	1.21	1.59	1.52	1.57	1.59	1.23	0.64	0.57	0.83	0.96	1.25	1.42
Barataria Waterway at Lafitte (USACE82875)	1.64	1.82	1.85	1.88	1.90	1.78	1.35	1.29	1.32	1.71	1.72	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.32	0.95	0.85	0.83	0.73	0.58	0.57	0.51	0.53	0.81	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.32	1.17	0.65	0.57	0.55	0.73	0.77	0.74	0.80	1.02	1.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	1.07	0.77	0.64	0.57	0.54	0.51	0.54	0.54	0.77	1.05
USGS 07380335 - Little Lake Near Cutoff	1.09	1.28	1.12	0.91	0.73	0.62	0.53	0.47	0.54	0.55	0.79	1.06
USGS073802516 Barataria Pass at Grand Isle	1.10	1.23	1.05	0.80	0.67	0.58	0.50	0.46	0.52	0.52	0.73	1.00
HWQ14 - Lake Washington	1.23	1.23	1.06	0.63	0.53	0.49	0.57	0.58	0.60	0.60	0.81	1.05
HWQ16 - Bayou Grand Liard	0.98	1.27	1.17	1.10	1.02	0.80	0.53	0.50	0.58	0.57	0.79	1.01
CRMS 3985	1.41	1.37	1.32	0.68	0.58	0.62	1.00	1.06	0.92	0.99	1.17	1.39
CRMS 0258	1.25	1.44	1.14	1.23	1.18	0.99	0.67	0.57	0.58	0.60	1.05	1.30
CRMS 0224	1.16	1.34	1.08	1.04	0.93	0.79	0.57	0.51	0.53	0.54	0.84	1.12
CRMS 0163	1.76	1.87	1.90	1.91	1.92	1.85	1.49	1.55	1.41	1.79	1.84	1.85
CRMS 0162	1.65	1.77	1.67	1.57	1.55	1.60	1.55	1.09	0.71	1.28	1.59	1.78

V3PR6 HYST - cy 3 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	2.00	2.00	1.95	1.95	1.91	1.95	1.92	1.90	1.84	1.85	1.91
CRMS0276 - Just east of Wilkinson Canal	1.28	1.62	1.55	1.62	1.51	1.23	0.70	0.64	0.90	1.06	1.32	1.49
Barataria Waterway at Lafitte (USACE82875)	1.69	1.85	1.89	1.89	1.90	1.80	1.43	1.35	1.49	1.78	1.77	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.75	1.86	1.80	1.48	1.54	0.96	1.11	1.11	0.96	1.14	1.46	1.72
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.57	1.39	1.18	1.38	0.69	0.68	0.74	0.77	0.79	1.00	1.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.69	1.50	1.28	1.53	0.78	0.70	0.68	0.72	0.74	0.98	1.27
USGS 07380335 - Little Lake Near Cutoff	1.18	1.59	1.44	1.29	1.42	0.78	0.63	0.56	0.68	0.69	0.95	1.23
USGS073802516 Barataria Pass at Grand Isle	1.15	1.46	1.25	1.11	1.04	0.73	0.57	0.53	0.63	0.64	0.87	1.12
HWQ14 - Lake Washington	1.11	1.33	1.09	0.96	0.87	0.65	0.59	0.61	0.66	0.68	0.85	1.08
HWQ16 - Bayou Grand Liard	1.01	1.36	1.25	1.22	1.11	0.85	0.56	0.52	0.64	0.64	0.87	1.09
CRMS 3985	1.05	1.26	1.06	0.95	0.96	0.67	0.67	0.83	0.85	0.88	0.89	1.16
CRMS 0258	1.46	1.65	1.39	1.34	1.28	0.99	0.80	0.75	0.70	0.74	1.19	1.49
CRMS 0224	1.32	1.65	1.46	1.32	1.37	0.88	0.73	0.69	0.70	0.72	1.03	1.35
CRMS 0163	1.79	1.90	1.94	1.92	1.93	1.88	1.58	1.63	1.61	1.84	1.87	1.88
CRMS 0162	1.67	1.79	1.67	1.58	1.54	1.68	1.62	1.17	0.75	1.44	1.60	1.81

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.65	0.69	1.03	1.22	1.24	1.28	1.38	1.33	1.33	1.24	0.98	0.85
CRMS0276 - Just east of Wilkinson Canal	0.07	0.03	0.03	0.05	-0.07	0.00	0.06	0.06	0.08	0.10	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.05	0.02	0.05	0.01	0.00	0.02	0.08	0.06	0.17	0.07	0.05	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.49	0.54	0.85	0.63	0.72	0.23	0.52	0.54	0.45	0.61	0.65	0.69
USGS7380251 Barataria Bay North of Grand Isle	-0.15	0.25	0.22	0.52	0.81	0.15	-0.06	-0.03	0.03	0.00	-0.02	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.43	0.43	0.51	0.90	0.21	0.16	0.17	0.18	0.20	0.21	0.22
USGS 07380335 - Little Lake Near Cutoff	0.09	0.31	0.31	0.38	0.69	0.16	0.10	0.09	0.13	0.14	0.16	0.16
USGS073802516 Barataria Pass at Grand Isle	0.04	0.23	0.20	0.32	0.37	0.14	0.07	0.06	0.11	0.12	0.13	0.12
HWQ14 - Lake Washington	-0.12	0.10	0.03	0.32	0.34	0.16	0.02	0.03	0.07	0.08	0.05	0.02
HWQ16 - Bayou Grand Liard	0.04	0.09	0.08	0.13	0.09	0.06	0.03	0.02	0.06	0.08	0.08	0.08
CRMS 3985	-0.36	-0.11	-0.26	0.27	0.38	0.05	-0.33	-0.23	-0.07	-0.10	-0.28	-0.23
CRMS 0258	0.21	0.21	0.25	0.11	0.11	0.00	0.13	0.19	0.12	0.14	0.13	0.19
CRMS 0224	0.16	0.32	0.38	0.29	0.44	0.09	0.16	0.18	0.17	0.18	0.19	0.23
CRMS 0163	0.03	0.03	0.04	0.01	0.01	0.03	0.09	0.09	0.21	0.05	0.02	0.03
CRMS 0162	0.01	0.02	0.01	0.01	-0.01	0.08	0.08	0.08	0.04	0.15	0.01	0.04

Figure WQ TOTN 143 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.36	0.98	0.80	0.78	0.73	0.66	0.69	0.69	0.69	0.77	0.88
CRMS0276 - Just east of Wilkinson Canal	1.32	1.74	1.73	1.72	1.70	1.59	1.23	1.11	1.38	1.11	1.12	1.30
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.91	1.91	1.93	1.89	1.84	1.72	1.85	1.73	1.63	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.40	1.01	0.92	0.91	0.87	0.68	0.66	0.71	0.69	0.80	0.91
USGS7380251 Barataria Bay North of Grand Isle	1.29	1.33	1.03	0.67	0.60	0.58	0.60	0.72	0.76	0.77	0.73	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.35	1.11	0.83	0.70	0.66	0.63	0.63	0.68	0.65	0.72	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.41	1.23	1.01	0.82	0.76	0.73	0.73	0.78	0.70	0.75	0.88
USGS073802516 Barataria Pass at Grand Isle	1.08	1.33	1.10	0.85	0.74	0.71	0.70	0.69	0.68	0.63	0.68	0.81
HWQ14 - Lake Washington	1.15	1.26	0.96	0.63	0.56	0.54	0.54	0.58	0.62	0.62	0.67	0.80
HWQ16 - Bayou Grand Liard	1.08	1.44	1.38	1.25	1.14	1.09	1.00	0.93	0.89	0.70	0.72	0.88
CRMS 3985	1.39	1.34	1.08	0.66	0.58	0.59	0.64	0.90	0.90	0.91	0.71	1.19
CRMS 0258	1.29	1.56	1.36	1.32	1.25	1.26	0.97	0.90	1.04	0.89	1.02	1.14
CRMS 0224	1.15	1.46	1.21	1.12	1.01	0.95	0.72	0.67	0.84	0.75	0.83	0.96
CRMS 0163	1.83	1.90	1.95	1.94	1.97	1.98	1.90	1.86	1.91	1.81	1.83	1.84
CRMS 0162	1.81	1.87	1.82	1.76	1.74	1.91	1.98	1.90	1.58	1.43	1.33	1.61

V3PR6 HYST - cy 3 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.95	1.93	1.90	1.93	1.91
CRMS0276 - Just east of Wilkinson Canal	1.56	1.74	1.77	1.71	1.63	1.54	1.49	1.37	1.50	1.22	1.21	1.37
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.90	1.90	1.92	1.84	1.76	1.67	1.93	1.80	1.66	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.94	1.97	1.97	1.98	1.93	1.90	1.52	1.10	1.31	1.74	1.88
USGS7380251 Barataria Bay North of Grand Isle	1.76	1.83	1.88	1.84	1.81	1.76	1.69	1.31	0.90	0.91	1.17	1.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.81	1.87	1.92	1.88	1.86	1.85	1.83	1.48	0.98	0.93	1.13	1.41
USGS 07380335 - Little Lake Near Cutoff	1.72	1.83	1.88	1.83	1.77	1.75	1.71	1.45	1.02	0.89	1.04	1.29
USGS073802516 Barataria Pass at Grand Isle	1.62	1.72	1.72	1.57	1.43	1.36	1.36	1.23	0.92	0.83	0.98	1.23
HWQ14 - Lake Washington	1.54	1.64	1.60	1.43	1.29	1.22	1.16	1.06	0.83	0.81	1.01	1.30
HWQ16 - Bayou Grand Liard	1.35	1.67	1.64	1.56	1.42	1.35	1.20	1.11	1.00	0.80	0.82	1.02
CRMS 3985	1.62	1.68	1.70	1.56	1.48	1.38	1.32	1.15	0.85	0.87	1.09	1.44
CRMS 0258	1.76	1.78	1.88	1.78	1.67	1.67	1.69	1.44	1.24	1.09	1.34	1.56
CRMS 0224	1.76	1.81	1.89	1.83	1.75	1.78	1.80	1.47	1.07	0.98	1.19	1.42
CRMS 0163	1.84	1.90	1.95	1.94	1.97	1.96	1.86	1.87	1.97	1.86	1.81	1.85
CRMS 0162	1.81	1.86	1.80	1.74	1.73	1.92	1.99	1.95	1.64	1.55	1.30	1.64

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.64	1.02	1.21	1.22	1.27	1.33	1.26	1.24	1.21	1.15	1.04
CRMS0276 - Just east of Wilkinson Canal	0.23	0.00	0.04	-0.02	-0.07	-0.05	0.26	0.26	0.12	0.11	0.08	0.07
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	-0.01	-0.01	-0.01	-0.04	-0.08	-0.05	0.07	0.07	0.02	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.66	0.54	0.96	1.04	1.07	1.07	1.22	0.86	0.39	0.62	0.93	0.97
USGS7380251 Barataria Bay North of Grand Isle	0.47	0.50	0.85	1.17	1.21	1.18	1.09	0.59	0.15	0.13	0.44	0.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.52	0.81	1.06	1.16	1.19	1.20	0.85	0.30	0.28	0.41	0.56
USGS 07380335 - Little Lake Near Cutoff	0.62	0.42	0.65	0.82	0.95	0.99	0.97	0.71	0.24	0.19	0.29	0.40
USGS073802516 Barataria Pass at Grand Isle	0.55	0.39	0.62	0.71	0.69	0.64	0.66	0.54	0.24	0.20	0.30	0.42
HWQ14 - Lake Washington	0.39	0.38	0.64	0.80	0.73	0.69	0.62	0.48	0.21	0.19	0.34	0.50
HWQ16 - Bayou Grand Liard	0.27	0.23	0.26	0.31	0.28	0.26	0.20	0.17	0.11	0.09	0.10	0.14
CRMS 3985	0.23	0.34	0.62	0.90	0.90	0.80	0.67	0.25	-0.05	-0.04	0.38	0.25
CRMS 0258	0.48	0.22	0.53	0.46	0.42	0.41	0.72	0.54	0.21	0.19	0.32	0.41
CRMS 0224	0.61	0.35	0.68	0.71	0.74	0.84	1.08	0.80	0.23	0.23	0.36	0.47
CRMS 0163	0.01	0.00	0.00	0.00	0.00	-0.02	-0.04	0.01	0.06	0.05	-0.03	0.01
CRMS 0162	0.00	-0.01	-0.02	-0.02	-0.01	0.00	0.01	0.04	0.07	0.12	-0.03	0.03

Figure WQ TOTN 144 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.20	0.91	0.82	0.78	0.71	0.65	0.66	0.64	0.65	0.78	1.03
CRMS0276 - Just east of Wilkinson Canal	1.44	1.52	1.64	1.74	1.74	1.49	1.18	1.03	1.31	1.06	1.06	1.59
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.85	1.91	1.84	1.86	1.81	1.63	1.84	1.68	1.60	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.30	0.97	0.97	0.93	0.83	0.66	0.63	0.65	0.65	0.77	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.06	0.99	0.70	0.58	0.56	0.59	0.65	0.72	0.75	0.88	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.23	0.99	0.86	0.73	0.66	0.61	0.62	0.65	0.63	0.70	1.00
USGS 07380335 - Little Lake Near Cutoff	1.25	1.27	1.11	1.04	0.89	0.75	0.71	0.71	0.74	0.67	0.70	1.05
USGS073802516 Barataria Pass at Grand Isle	1.22	1.22	0.95	0.89	0.80	0.72	0.69	0.67	0.65	0.61	0.66	0.97
HWQ14 - Lake Washington	1.25	1.13	0.86	0.65	0.57	0.54	0.53	0.54	0.60	0.61	0.72	0.99
HWQ16 - Bayou Grand Liard	1.16	1.23	1.26	1.27	1.29	1.11	1.00	0.88	0.85	0.68	0.69	1.11
CRMS 3985	1.35	0.98	1.14	0.71	0.56	0.57	0.61	0.77	0.87	0.89	1.03	1.37
CRMS 0258	1.43	1.43	1.37	1.34	1.31	1.15	0.93	0.86	0.94	0.86	0.93	1.31
CRMS 0224	1.31	1.34	1.15	1.17	1.09	0.89	0.69	0.65	0.79	0.72	0.76	1.09
CRMS 0163	1.86	1.91	1.88	1.94	1.84	1.96	1.92	1.85	1.91	1.78	1.80	1.86
CRMS 0162	1.74	1.63	1.79	1.79	1.77	1.94	2.00	1.90	1.48	1.19	1.35	1.82

V3PR6 HYST - cy 3 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.04	1.97	1.99	2.00	1.92	1.99	2.00	1.94	1.91	1.92	1.92	1.99
CRMS0276 - Just east of Wilkinson Canal	1.58	1.52	1.64	1.76	1.70	1.54	1.50	1.21	1.41	1.14	1.16	1.63
Barataria Waterway at Lafitte (USACE82875)	1.78	1.83	1.85	1.90	1.86	1.85	1.71	1.65	1.90	1.74	1.64	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	2.56	2.11	1.90	1.95	1.87	1.95	1.93	1.30	1.15	1.38	1.78	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.76	1.59	1.77	1.85	1.78	1.81	1.70	1.01	0.90	0.91	1.18	1.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.75	1.62	1.81	1.88	1.81	1.87	1.83	1.13	0.97	0.93	1.12	1.83
USGS 07380335 - Little Lake Near Cutoff	1.62	1.54	1.76	1.83	1.77	1.79	1.72	1.11	0.98	0.87	1.00	1.76
USGS073802516 Barataria Pass at Grand Isle	1.59	1.51	1.59	1.59	1.52	1.39	1.36	1.02	0.89	0.82	0.96	1.61
HWQ14 - Lake Washington	1.59	1.51	1.49	1.47	1.38	1.26	1.17	0.94	0.81	0.81	1.00	1.51
HWQ16 - Bayou Grand Liard	1.27	1.30	1.50	1.59	1.53	1.37	1.22	0.98	0.95	0.76	0.78	1.42
CRMS 3985	1.53	1.49	1.60	1.60	1.54	1.45	1.34	0.97	0.85	0.87	1.09	1.61
CRMS 0258	1.96	1.70	1.71	1.79	1.69	1.71	1.70	1.26	1.13	1.05	1.28	1.74
CRMS 0224	1.84	1.65	1.74	1.83	1.73	1.81	1.81	1.14	1.03	0.97	1.16	1.75
CRMS 0163	1.85	1.88	1.88	1.94	1.86	1.97	1.86	1.90	1.96	1.83	1.81	1.87
CRMS 0162	1.73	1.62	1.78	1.77	1.79	1.94	2.00	1.94	1.54	1.31	1.34	1.82

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.77	1.07	1.18	1.14	1.28	1.35	1.28	1.27	1.27	1.14	0.95
CRMS0276 - Just east of Wilkinson Canal	0.14	0.00	0.01	0.02	-0.04	0.04	0.31	0.17	0.10	0.09	0.10	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.03	0.00	0.00	0.02	-0.01	-0.10	0.02	0.06	0.06	0.04	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	0.81	0.92	0.99	0.94	1.12	1.27	0.68	0.50	0.73	1.01	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.43	0.54	0.78	1.15	1.20	1.24	1.12	0.35	0.17	0.16	0.31	0.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.49	0.39	0.83	1.02	1.08	1.21	1.22	0.51	0.32	0.30	0.43	0.83
USGS 07380335 - Little Lake Near Cutoff	0.37	0.27	0.65	0.79	0.88	1.04	1.00	0.39	0.25	0.20	0.30	0.71
USGS073802516 Barataria Pass at Grand Isle	0.37	0.28	0.64	0.70	0.71	0.67	0.67	0.35	0.24	0.21	0.30	0.64
HWQ14 - Lake Washington	0.34	0.39	0.63	0.82	0.82	0.71	0.64	0.40	0.22	0.20	0.29	0.52
HWQ16 - Bayou Grand Liard	0.10	0.07	0.24	0.32	0.24	0.26	0.22	0.11	0.10	0.08	0.09	0.31
CRMS 3985	0.18	0.52	0.46	0.89	0.98	0.89	0.72	0.20	-0.02	-0.02	0.07	0.24
CRMS 0258	0.53	0.27	0.34	0.45	0.38	0.57	0.77	0.40	0.19	0.19	0.36	0.43
CRMS 0224	0.53	0.31	0.59	0.65	0.64	0.92	1.13	0.49	0.24	0.25	0.40	0.65
CRMS 0163	-0.01	-0.03	0.01	0.00	0.02	0.01	-0.06	0.05	0.05	0.05	0.01	0.01
CRMS 0162	-0.02	-0.01	-0.01	-0.02	0.02	0.01	0.00	0.04	0.07	0.12	-0.01	0.00

Figure WQ TOTN 145 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.21	0.95	0.79	0.78	0.72	0.63	0.62	0.60	0.62	0.82	0.98
CRMS0276 - Just east of Wilkinson Canal	1.36	1.69	1.65	1.75	1.74	1.66	1.01	0.74	1.05	1.00	1.23	1.36
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.90	1.90	1.94	1.91	1.58	1.40	1.71	1.72	1.72	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.26	0.96	0.92	0.91	0.85	0.66	0.61	0.57	0.58	0.79	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.19	1.04	0.67	0.59	0.57	0.60	0.72	0.73	0.77	0.98	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.21	1.04	0.84	0.71	0.66	0.61	0.56	0.59	0.58	0.77	1.01
USGS 07380335 - Little Lake Near Cutoff	1.10	1.28	1.15	1.03	0.84	0.77	0.69	0.57	0.64	0.61	0.80	1.02
USGS073802516 Barataria Pass at Grand Isle	1.04	1.19	1.02	0.87	0.76	0.74	0.66	0.54	0.58	0.56	0.73	0.97
HWQ14 - Lake Washington	0.94	1.09	0.93	0.63	0.56	0.54	0.54	0.56	0.60	0.61	0.79	1.00
HWQ16 - Bayou Grand Liard	1.09	1.35	1.27	1.28	1.21	1.17	0.83	0.61	0.69	0.63	0.78	0.95
CRMS 3985	0.97	1.26	1.15	0.67	0.57	0.58	0.65	0.94	0.90	0.95	1.16	1.09
CRMS 0258	1.26	1.48	1.32	1.34	1.26	1.24	0.87	0.67	0.73	0.70	1.01	1.27
CRMS 0224	1.13	1.35	1.14	1.15	1.03	0.94	0.69	0.58	0.65	0.61	0.84	1.10
CRMS 0163	1.82	1.89	1.94	1.93	1.97	1.99	1.72	1.69	1.81	1.81	1.85	1.90
CRMS 0162	1.79	1.82	1.76	1.82	1.80	1.94	1.97	1.48	1.01	1.42	1.52	1.72

V3PR7 HYST - cy 3 - 2002 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	1.99	2.03	2.01	2.00	2.01	1.94	1.96	1.91	1.87	1.90	1.94
CRMS0276 - Just east of Wilkinson Canal	1.53	1.70	1.69	1.73	1.67	1.62	1.11	0.86	1.15	1.11	1.30	1.41
Barataria Waterway at Lafitte (USACE82875)	1.75	1.87	1.90	1.90	1.93	1.88	1.54	1.45	1.80	1.79	1.77	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	2.13	1.91	2.20	1.95	1.96	1.95	1.46	1.32	1.15	1.32	1.73	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.69	1.78	1.74	1.83	1.84	1.79	0.98	0.86	0.87	0.87	1.07	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.69	1.84	1.83	1.88	1.89	1.87	1.14	0.85	0.87	0.85	1.08	1.42
USGS 07380335 - Little Lake Near Cutoff	1.57	1.77	1.75	1.82	1.84	1.80	1.11	0.75	0.84	0.80	1.02	1.32
USGS073802516 Barataria Pass at Grand Isle	1.53	1.63	1.57	1.55	1.50	1.43	1.00	0.70	0.77	0.75	0.94	1.20
HWQ14 - Lake Washington	1.51	1.55	1.43	1.41	1.34	1.28	0.91	0.74	0.76	0.77	0.94	1.18
HWQ16 - Bayou Grand Liard	1.27	1.57	1.47	1.58	1.50	1.43	0.93	0.68	0.78	0.71	0.87	1.06
CRMS 3985	1.53	1.56	1.47	1.55	1.52	1.44	0.94	0.84	0.90	0.87	0.93	1.33
CRMS 0258	1.80	1.77	1.79	1.77	1.75	1.72	1.17	0.98	0.89	0.89	1.25	1.54
CRMS 0224	1.72	1.78	1.83	1.82	1.82	1.82	1.16	0.89	0.88	0.86	1.14	1.46
CRMS 0163	1.83	1.91	1.94	1.93	1.97	1.98	1.72	1.75	1.90	1.86	1.87	1.87
CRMS 0162	1.80	1.82	1.74	1.81	1.79	1.93	1.98	1.57	1.08	1.50	1.53	1.72

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	0.78	1.08	1.22	1.22	1.29	1.31	1.34	1.31	1.25	1.08	0.96
CRMS0276 - Just east of Wilkinson Canal	0.16	0.02	0.04	-0.02	-0.07	-0.04	0.11	0.12	0.10	0.10	0.07	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	-0.01	-0.03	-0.04	0.05	0.09	0.07	0.05	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.01	0.65	1.24	1.03	1.05	1.10	0.79	0.71	0.58	0.74	0.94	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.72	0.59	0.69	1.16	1.25	1.22	0.39	0.15	0.14	0.10	0.09	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.65	0.63	0.79	1.04	1.18	1.21	0.53	0.29	0.28	0.27	0.30	0.41
USGS 07380335 - Little Lake Near Cutoff	0.47	0.48	0.61	0.79	1.00	1.03	0.42	0.18	0.21	0.19	0.22	0.30
USGS073802516 Barataria Pass at Grand Isle	0.50	0.44	0.55	0.68	0.74	0.69	0.34	0.16	0.19	0.18	0.21	0.23
HWQ14 - Lake Washington	0.57	0.46	0.50	0.79	0.78	0.74	0.37	0.18	0.16	0.16	0.14	0.18
HWQ16 - Bayou Grand Liard	0.18	0.22	0.19	0.30	0.29	0.26	0.11	0.07	0.09	0.09	0.08	0.11
CRMS 3985	0.56	0.30	0.32	0.88	0.95	0.86	0.30	-0.10	0.01	-0.08	-0.23	0.24
CRMS 0258	0.55	0.30	0.48	0.44	0.49	0.48	0.30	0.31	0.16	0.19	0.24	0.27
CRMS 0224	0.59	0.43	0.69	0.66	0.79	0.88	0.47	0.30	0.23	0.25	0.30	0.36
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.01	0.00	0.07	0.09	0.05	0.02	-0.03
CRMS 0162	0.01	0.00	-0.03	-0.01	-0.01	0.00	0.01	0.09	0.07	0.07	0.01	0.00

Figure WQ TOTN 146 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.38	0.97	0.81	0.80	0.72	0.62	0.62	0.60	0.63	0.77	1.00
CRMS0276 - Just east of Wilkinson Canal	1.38	1.71	1.76	1.75	1.77	1.41	0.92	0.84	1.13	0.90	1.04	1.46
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.89	1.92	1.95	1.80	1.67	1.53	1.80	1.57	1.62	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.41	1.02	0.94	0.94	0.84	0.65	0.60	0.59	0.60	0.71	0.95
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.36	0.96	0.65	0.59	0.57	0.58	0.73	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.35	1.13	0.83	0.73	0.65	0.58	0.56	0.61	0.58	0.66	0.97
USGS 07380335 - Little Lake Near Cutoff	1.19	1.39	1.28	1.02	0.87	0.72	0.63	0.60	0.67	0.60	0.64	0.99
USGS073802516 Barataria Pass at Grand Isle	1.17	1.33	1.12	0.87	0.80	0.69	0.60	0.56	0.60	0.56	0.63	0.93
HWQ14 - Lake Washington	1.24	1.29	0.93	0.62	0.57	0.55	0.53	0.56	0.61	0.60	0.74	0.99
HWQ16 - Bayou Grand Liard	1.10	1.40	1.44	1.29	1.28	0.95	0.71	0.67	0.74	0.59	0.66	0.99
CRMS 3985	1.46	1.36	0.94	0.62	0.56	0.58	0.64	0.98	0.91	0.92	1.10	1.37
CRMS 0258	1.40	1.55	1.41	1.32	1.29	1.17	0.85	0.67	0.78	0.73	0.80	1.29
CRMS 0224	1.26	1.45	1.26	1.14	1.07	0.88	0.65	0.59	0.69	0.63	0.68	1.05
CRMS 0163	1.83	1.89	1.92	1.96	1.98	1.97	1.81	1.73	1.86	1.66	1.82	1.86
CRMS 0162	1.79	1.83	1.87	1.83	1.89	1.91	1.99	1.65	1.14	0.95	1.39	1.77

V3PR7 HYST - cy 3 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	2.00	2.00	2.01	2.02	2.01	1.91	1.93	1.90	1.90	1.90	1.94
CRMS0276 - Just east of Wilkinson Canal	1.52	1.72	1.76	1.73	1.71	1.39	0.98	0.94	1.21	1.03	1.16	1.50
Barataria Waterway at Lafitte (USACE82875)	1.76	1.87	1.88	1.92	1.94	1.78	1.67	1.58	1.84	1.69	1.68	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.97	1.91	1.95	1.97	1.99	1.68	1.39	1.31	1.16	1.34	1.74	1.86
USGS7380251 Barataria Bay North of Grand Isle	1.66	1.79	1.86	1.87	1.89	1.11	0.84	0.85	0.87	0.86	1.05	1.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.71	1.86	1.90	1.91	1.93	1.30	0.91	0.85	0.88	0.85	1.02	1.54
USGS 07380335 - Little Lake Near Cutoff	1.63	1.80	1.86	1.86	1.88	1.27	0.85	0.78	0.87	0.79	0.93	1.44
USGS073802516 Barataria Pass at Grand Isle	1.55	1.66	1.69	1.59	1.56	1.12	0.78	0.72	0.78	0.74	0.88	1.28
HWQ14 - Lake Washington	1.47	1.54	1.55	1.45	1.40	0.98	0.75	0.72	0.75	0.76	0.91	1.21
HWQ16 - Bayou Grand Liard	1.26	1.61	1.67	1.61	1.57	1.14	0.77	0.74	0.82	0.68	0.77	1.14
CRMS 3985	1.47	1.56	1.66	1.59	1.58	0.98	0.80	0.81	0.90	0.85	0.91	1.34
CRMS 0258	1.77	1.77	1.81	1.83	1.81	1.30	1.07	0.96	0.91	0.91	1.15	1.61
CRMS 0224	1.73	1.79	1.84	1.87	1.87	1.31	0.98	0.90	0.90	0.87	1.07	1.55
CRMS 0163	1.84	1.91	1.92	1.96	1.99	1.97	1.83	1.79	1.91	1.79	1.84	1.87
CRMS 0162	1.79	1.83	1.85	1.81	1.87	1.90	2.00	1.73	1.21	1.08	1.40	1.80

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.62	1.03	1.20	1.22	1.29	1.30	1.32	1.30	1.27	1.13	0.94
CRMS0276 - Just east of Wilkinson Canal	0.14	0.01	0.00	-0.02	-0.06	-0.02	0.07	0.10	0.08	0.12	0.13	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.05	0.05	0.12	0.06	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.50	0.93	1.03	1.05	0.84	0.74	0.71	0.57	0.75	1.03	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.44	0.90	1.22	1.30	0.55	0.26	0.12	0.12	0.10	0.13	0.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.50	0.50	0.77	1.08	1.20	0.65	0.33	0.29	0.27	0.27	0.37	0.58
USGS 07380335 - Little Lake Near Cutoff	0.44	0.41	0.58	0.84	1.01	0.55	0.22	0.18	0.20	0.19	0.29	0.45
USGS073802516 Barataria Pass at Grand Isle	0.38	0.34	0.57	0.72	0.76	0.42	0.18	0.15	0.18	0.18	0.25	0.35
HWQ14 - Lake Washington	0.23	0.25	0.62	0.83	0.83	0.44	0.23	0.16	0.14	0.15	0.17	0.23
HWQ16 - Bayou Grand Liard	0.16	0.21	0.23	0.32	0.29	0.19	0.06	0.07	0.08	0.10	0.11	0.15
CRMS 3985	0.02	0.19	0.72	0.98	1.03	0.40	0.16	-0.16	-0.01	-0.07	-0.19	-0.03
CRMS 0258	0.37	0.22	0.41	0.51	0.52	0.12	0.22	0.29	0.13	0.18	0.36	0.32
CRMS 0224	0.48	0.34	0.58	0.73	0.80	0.43	0.33	0.31	0.22	0.24	0.39	0.49
CRMS 0163	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.05	0.13	0.02	0.01
CRMS 0162	0.01	0.00	-0.02	-0.02	-0.01	-0.01	0.01	0.08	0.06	0.13	0.01	0.02

Figure WQ TOTN 147 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.30	0.96	0.72	0.71	0.63	0.57	0.59	0.57	0.60	0.87	1.06
CRMS0276 - Just east of Wilkinson Canal	1.21	1.59	1.52	1.57	1.59	1.23	0.64	0.57	0.83	0.96	1.25	1.42
Barataria Waterway at Lafitte (USACE82875)	1.64	1.82	1.85	1.88	1.90	1.78	1.35	1.29	1.32	1.71	1.72	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.32	0.95	0.85	0.83	0.73	0.58	0.57	0.51	0.53	0.81	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.32	1.17	0.65	0.57	0.55	0.73	0.77	0.74	0.80	1.02	1.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	1.07	0.77	0.64	0.57	0.54	0.51	0.54	0.54	0.77	1.05
USGS 07380335 - Little Lake Near Cutoff	1.09	1.28	1.12	0.91	0.73	0.62	0.53	0.47	0.54	0.55	0.79	1.06
USGS073802516 Barataria Pass at Grand Isle	1.10	1.23	1.05	0.80	0.67	0.58	0.50	0.46	0.52	0.52	0.73	1.00
HWQ14 - Lake Washington	1.23	1.23	1.06	0.63	0.53	0.49	0.57	0.58	0.60	0.60	0.81	1.05
HWQ16 - Bayou Grand Liard	0.98	1.27	1.17	1.10	1.02	0.80	0.53	0.50	0.58	0.57	0.79	1.01
CRMS 3985	1.41	1.37	1.32	0.68	0.58	0.62	1.00	1.06	0.92	0.99	1.17	1.39
CRMS 0258	1.25	1.44	1.14	1.23	1.18	0.99	0.67	0.57	0.58	0.60	1.05	1.30
CRMS 0224	1.16	1.34	1.08	1.04	0.93	0.79	0.57	0.51	0.53	0.54	0.84	1.12
CRMS 0163	1.76	1.87	1.90	1.91	1.92	1.85	1.49	1.55	1.41	1.79	1.84	1.85
CRMS 0162	1.65	1.77	1.67	1.57	1.55	1.60	1.55	1.09	0.71	1.28	1.59	1.78

V3PR7 HYST - cy 3 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	1.98	1.99	1.94	1.95	1.91	1.94	1.91	1.90	1.84	1.84	1.91
CRMS0276 - Just east of Wilkinson Canal	1.28	1.61	1.55	1.62	1.53	1.27	0.71	0.64	0.91	1.04	1.31	1.48
Barataria Waterway at Lafitte (USACE82875)	1.68	1.84	1.88	1.89	1.90	1.79	1.41	1.34	1.49	1.78	1.76	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.77	1.87	1.84	1.55	1.63	1.04	1.21	1.19	1.01	1.19	1.48	1.75
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.59	1.48	1.22	1.37	0.70	0.68	0.74	0.77	0.80	1.06	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.28	1.68	1.54	1.31	1.54	0.79	0.70	0.67	0.72	0.74	0.99	1.32
USGS 07380335 - Little Lake Near Cutoff	1.20	1.59	1.46	1.32	1.43	0.79	0.63	0.57	0.68	0.68	0.96	1.26
USGS073802516 Barataria Pass at Grand Isle	1.17	1.46	1.30	1.16	1.06	0.74	0.58	0.53	0.63	0.64	0.87	1.17
HWQ14 - Lake Washington	1.15	1.36	1.21	1.02	0.89	0.66	0.60	0.61	0.67	0.68	0.89	1.18
HWQ16 - Bayou Grand Liard	1.01	1.36	1.26	1.22	1.13	0.88	0.57	0.53	0.64	0.64	0.87	1.08
CRMS 3985	1.09	1.39	1.28	1.04	0.97	0.68	0.68	0.83	0.86	0.88	1.04	1.27
CRMS 0258	1.48	1.66	1.41	1.36	1.32	0.99	0.81	0.77	0.71	0.75	1.19	1.50
CRMS 0224	1.34	1.65	1.48	1.35	1.40	0.88	0.73	0.69	0.71	0.73	1.04	1.37
CRMS 0163	1.79	1.89	1.93	1.92	1.93	1.88	1.58	1.64	1.63	1.83	1.85	1.88
CRMS 0162	1.67	1.79	1.68	1.57	1.56	1.65	1.62	1.19	0.74	1.37	1.59	1.81

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.64	0.68	1.03	1.22	1.24	1.28	1.37	1.33	1.33	1.24	0.96	0.85
CRMS0276 - Just east of Wilkinson Canal	0.07	0.02	0.03	0.05	-0.06	0.04	0.07	0.07	0.08	0.08	0.07	0.05
Barataria Waterway at Lafitte (USACE82875)	0.04	0.01	0.04	0.01	0.01	0.02	0.06	0.05	0.17	0.06	0.04	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.52	0.56	0.90	0.70	0.80	0.30	0.63	0.62	0.50	0.65	0.68	0.73
USGS7380251 Barataria Bay North of Grand Isle	-0.11	0.28	0.31	0.56	0.80	0.15	-0.05	-0.03	0.03	0.00	0.04	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.43	0.46	0.54	0.90	0.21	0.16	0.16	0.18	0.20	0.22	0.27
USGS 07380335 - Little Lake Near Cutoff	0.11	0.31	0.34	0.40	0.70	0.17	0.11	0.09	0.14	0.13	0.16	0.19
USGS073802516 Barataria Pass at Grand Isle	0.07	0.24	0.25	0.36	0.39	0.16	0.08	0.07	0.11	0.12	0.14	0.17
HWQ14 - Lake Washington	-0.08	0.13	0.15	0.39	0.36	0.17	0.03	0.03	0.07	0.08	0.08	0.12
HWQ16 - Bayou Grand Liard	0.04	0.09	0.09	0.13	0.11	0.08	0.04	0.03	0.06	0.07	0.08	0.07
CRMS 3985	-0.32	0.02	-0.05	0.37	0.39	0.06	-0.32	-0.23	-0.07	-0.10	-0.14	-0.12
CRMS 0258	0.23	0.21	0.27	0.13	0.14	0.00	0.14	0.20	0.12	0.15	0.14	0.20
CRMS 0224	0.18	0.32	0.40	0.31	0.47	0.09	0.17	0.18	0.17	0.18	0.20	0.25
CRMS 0163	0.03	0.02	0.04	0.01	0.01	0.03	0.09	0.09	0.22	0.04	0.01	0.03
CRMS 0162	0.01	0.01	0.01	0.00	0.01	0.06	0.07	0.10	0.03	0.08	0.00	0.04

Figure WQ TOTN 148 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.36	0.98	0.80	0.78	0.73	0.66	0.69	0.69	0.69	0.77	0.88
CRMS0276 - Just east of Wilkinson Canal	1.32	1.74	1.73	1.72	1.70	1.59	1.23	1.11	1.38	1.11	1.12	1.30
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.91	1.91	1.93	1.89	1.84	1.72	1.85	1.73	1.63	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.40	1.01	0.92	0.91	0.87	0.68	0.66	0.71	0.69	0.80	0.91
USGS7380251 Barataria Bay North of Grand Isle	1.29	1.33	1.03	0.67	0.60	0.58	0.60	0.72	0.76	0.77	0.73	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.35	1.11	0.83	0.70	0.66	0.63	0.63	0.68	0.65	0.72	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.41	1.23	1.01	0.82	0.76	0.73	0.73	0.78	0.70	0.75	0.88
USGS073802516 Barataria Pass at Grand Isle	1.08	1.33	1.10	0.85	0.74	0.71	0.70	0.69	0.68	0.63	0.68	0.81
HWQ14 - Lake Washington	1.15	1.26	0.96	0.63	0.56	0.54	0.54	0.58	0.62	0.62	0.67	0.80
HWQ16 - Bayou Grand Liard	1.08	1.44	1.38	1.25	1.14	1.09	1.00	0.93	0.89	0.70	0.72	0.88
CRMS 3985	1.39	1.34	1.08	0.66	0.58	0.59	0.64	0.90	0.90	0.91	0.71	1.19
CRMS 0258	1.29	1.56	1.36	1.32	1.25	1.26	0.97	0.90	1.04	0.89	1.02	1.14
CRMS 0224	1.15	1.46	1.21	1.12	1.01	0.95	0.72	0.67	0.84	0.75	0.83	0.96
CRMS 0163	1.83	1.90	1.95	1.94	1.97	1.98	1.90	1.86	1.91	1.81	1.83	1.84
CRMS 0162	1.81	1.87	1.82	1.76	1.74	1.91	1.98	1.90	1.58	1.43	1.33	1.61

V3PR7 HYST - cy 3 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.95	1.92	1.90	1.93	1.91
CRMS0276 - Just east of Wilkinson Canal	1.57	1.74	1.77	1.71	1.63	1.55	1.49	1.37	1.50	1.22	1.20	1.37
Barataria Waterway at Lafitte (USACE82875)	1.75	1.87	1.90	1.90	1.92	1.84	1.75	1.66	1.93	1.80	1.65	1.79
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.93	1.96	1.97	1.98	1.93	1.91	1.58	1.14	1.32	1.79	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.76	1.83	1.87	1.84	1.80	1.75	1.68	1.31	0.90	0.91	1.17	1.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.81	1.87	1.92	1.89	1.86	1.85	1.83	1.48	0.98	0.93	1.12	1.40
USGS 07380335 - Little Lake Near Cutoff	1.72	1.83	1.88	1.83	1.78	1.75	1.71	1.45	1.02	0.89	1.04	1.28
USGS073802516 Barataria Pass at Grand Isle	1.62	1.72	1.72	1.56	1.43	1.35	1.36	1.23	0.92	0.83	0.98	1.22
HWQ14 - Lake Washington	1.54	1.64	1.59	1.42	1.28	1.21	1.15	1.05	0.83	0.81	1.01	1.29
HWQ16 - Bayou Grand Liard	1.36	1.67	1.64	1.56	1.42	1.35	1.20	1.12	1.01	0.80	0.82	1.03
CRMS 3985	1.62	1.68	1.69	1.55	1.47	1.37	1.30	1.14	0.85	0.86	1.09	1.44
CRMS 0258	1.77	1.79	1.89	1.79	1.68	1.67	1.67	1.48	1.25	1.10	1.35	1.57
CRMS 0224	1.76	1.81	1.90	1.84	1.77	1.79	1.80	1.49	1.08	0.99	1.20	1.43
CRMS 0163	1.84	1.91	1.95	1.94	1.97	1.97	1.86	1.87	1.97	1.87	1.80	1.85
CRMS 0162	1.81	1.86	1.80	1.74	1.74	1.92	1.99	1.94	1.65	1.56	1.31	1.66

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.64	1.01	1.21	1.22	1.27	1.33	1.26	1.24	1.21	1.15	1.04
CRMS0276 - Just east of Wilkinson Canal	0.24	0.01	0.04	-0.02	-0.07	-0.04	0.26	0.26	0.12	0.11	0.08	0.07
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	-0.01	-0.01	-0.01	-0.05	-0.08	-0.06	0.07	0.07	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.66	0.53	0.95	1.04	1.07	1.07	1.23	0.93	0.43	0.63	0.98	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.47	0.50	0.84	1.16	1.20	1.17	1.08	0.58	0.15	0.13	0.44	0.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.52	0.81	1.06	1.16	1.19	1.20	0.85	0.30	0.28	0.41	0.55
USGS 07380335 - Little Lake Near Cutoff	0.62	0.42	0.65	0.82	0.96	0.99	0.97	0.72	0.24	0.19	0.29	0.40
USGS073802516 Barataria Pass at Grand Isle	0.55	0.39	0.62	0.71	0.69	0.64	0.66	0.55	0.25	0.20	0.30	0.41
HWQ14 - Lake Washington	0.39	0.37	0.64	0.79	0.72	0.67	0.61	0.47	0.21	0.19	0.34	0.49
HWQ16 - Bayou Grand Liard	0.28	0.23	0.26	0.31	0.28	0.26	0.20	0.18	0.12	0.09	0.10	0.15
CRMS 3985	0.22	0.34	0.61	0.89	0.89	0.78	0.66	0.24	-0.05	-0.04	0.38	0.24
CRMS 0258	0.48	0.23	0.53	0.47	0.43	0.41	0.70	0.58	0.22	0.20	0.33	0.42
CRMS 0224	0.61	0.35	0.69	0.71	0.75	0.84	1.08	0.81	0.23	0.24	0.36	0.47
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.01	-0.04	0.02	0.06	0.06	-0.03	0.01
CRMS 0162	0.00	-0.01	-0.02	-0.02	0.00	0.00	0.01	0.04	0.07	0.13	-0.02	0.05

Figure WQ TOTN 149 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.20	0.91	0.82	0.78	0.71	0.65	0.66	0.64	0.65	0.78	1.03
CRMS0276 - Just east of Wilkinson Canal	1.44	1.52	1.64	1.74	1.74	1.49	1.18	1.03	1.31	1.06	1.06	1.59
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.85	1.91	1.84	1.86	1.81	1.63	1.84	1.68	1.60	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.30	0.97	0.97	0.93	0.83	0.66	0.63	0.65	0.65	0.77	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.06	0.99	0.70	0.58	0.56	0.59	0.65	0.72	0.75	0.88	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.23	0.99	0.86	0.73	0.66	0.61	0.62	0.65	0.63	0.70	1.00
USGS 07380335 - Little Lake Near Cutoff	1.25	1.27	1.11	1.04	0.89	0.75	0.71	0.71	0.74	0.67	0.70	1.05
USGS073802516 Barataria Pass at Grand Isle	1.22	1.22	0.95	0.89	0.80	0.72	0.69	0.67	0.65	0.61	0.66	0.97
HWQ14 - Lake Washington	1.25	1.13	0.86	0.65	0.57	0.54	0.53	0.54	0.60	0.61	0.72	0.99
HWQ16 - Bayou Grand Liard	1.16	1.23	1.26	1.27	1.29	1.11	1.00	0.88	0.85	0.68	0.69	1.11
CRMS 3985	1.35	0.98	1.14	0.71	0.56	0.57	0.61	0.77	0.87	0.89	1.03	1.37
CRMS 0258	1.43	1.43	1.37	1.34	1.31	1.15	0.93	0.86	0.94	0.86	0.93	1.31
CRMS 0224	1.31	1.34	1.15	1.17	1.09	0.89	0.69	0.65	0.79	0.72	0.76	1.09
CRMS 0163	1.86	1.91	1.88	1.94	1.84	1.96	1.92	1.85	1.91	1.78	1.80	1.86
CRMS 0162	1.74	1.63	1.79	1.79	1.77	1.94	2.00	1.90	1.48	1.19	1.35	1.82

V3PR7 HYST - cy 3 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.05	1.97	1.99	2.00	1.92	1.99	2.00	1.93	1.91	1.92	1.92	1.99
CRMS0276 - Just east of Wilkinson Canal	1.59	1.52	1.65	1.76	1.70	1.54	1.50	1.21	1.41	1.13	1.16	1.64
Barataria Waterway at Lafitte (USACE82875)	1.78	1.83	1.85	1.90	1.86	1.84	1.70	1.64	1.90	1.74	1.64	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	2.53	2.12	1.90	1.95	1.87	1.95	1.93	1.36	1.18	1.38	1.81	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.59	1.76	1.84	1.77	1.80	1.69	1.00	0.90	0.91	1.18	1.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.75	1.62	1.81	1.88	1.81	1.87	1.83	1.13	0.97	0.92	1.12	1.83
USGS 07380335 - Little Lake Near Cutoff	1.62	1.54	1.76	1.83	1.77	1.79	1.72	1.11	0.99	0.87	1.01	1.76
USGS073802516 Barataria Pass at Grand Isle	1.59	1.50	1.59	1.59	1.51	1.38	1.36	1.02	0.89	0.82	0.95	1.61
HWQ14 - Lake Washington	1.59	1.51	1.49	1.47	1.37	1.24	1.16	0.94	0.81	0.81	1.00	1.50
HWQ16 - Bayou Grand Liard	1.27	1.30	1.51	1.59	1.53	1.37	1.22	0.99	0.94	0.75	0.79	1.42
CRMS 3985	1.53	1.49	1.60	1.59	1.52	1.43	1.32	0.97	0.85	0.87	1.09	1.60
CRMS 0258	1.98	1.72	1.72	1.80	1.70	1.72	1.70	1.28	1.14	1.05	1.30	1.76
CRMS 0224	1.85	1.66	1.74	1.83	1.74	1.82	1.82	1.14	1.04	0.97	1.17	1.76
CRMS 0163	1.85	1.88	1.88	1.94	1.86	1.97	1.86	1.90	1.96	1.83	1.82	1.88
CRMS 0162	1.72	1.63	1.78	1.77	1.79	1.95	2.01	1.94	1.56	1.31	1.35	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.77	1.07	1.18	1.14	1.28	1.35	1.27	1.27	1.26	1.13	0.95
CRMS0276 - Just east of Wilkinson Canal	0.15	0.00	0.01	0.02	-0.04	0.05	0.31	0.18	0.09	0.07	0.10	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.04	0.00	0.00	0.02	-0.02	-0.11	0.01	0.06	0.05	0.04	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	0.82	0.92	0.98	0.94	1.12	1.27	0.73	0.53	0.73	1.04	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.42	0.53	0.77	1.14	1.19	1.24	1.10	0.35	0.17	0.16	0.30	0.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.49	0.39	0.83	1.02	1.08	1.21	1.22	0.51	0.32	0.30	0.42	0.83
USGS 07380335 - Little Lake Near Cutoff	0.37	0.27	0.65	0.79	0.88	1.04	1.00	0.39	0.25	0.19	0.30	0.72
USGS073802516 Barataria Pass at Grand Isle	0.37	0.28	0.64	0.70	0.70	0.66	0.67	0.35	0.24	0.20	0.29	0.64
HWQ14 - Lake Washington	0.34	0.38	0.63	0.81	0.81	0.70	0.63	0.40	0.21	0.20	0.28	0.52
HWQ16 - Bayou Grand Liard	0.10	0.07	0.24	0.31	0.24	0.27	0.22	0.11	0.09	0.08	0.10	0.31
CRMS 3985	0.18	0.51	0.45	0.88	0.96	0.86	0.70	0.20	-0.02	-0.02	0.06	0.23
CRMS 0258	0.55	0.29	0.35	0.46	0.39	0.58	0.77	0.41	0.20	0.19	0.37	0.44
CRMS 0224	0.53	0.31	0.60	0.66	0.65	0.92	1.13	0.49	0.25	0.25	0.40	0.66
CRMS 0163	-0.01	-0.03	0.01	0.00	0.02	0.01	-0.06	0.05	0.05	0.05	0.02	0.01
CRMS 0162	-0.02	0.01	-0.01	-0.02	0.02	0.01	0.00	0.04	0.09	0.11	0.01	0.00

Figure WQ TOTN 150 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.21	0.95	0.79	0.78	0.72	0.63	0.62	0.60	0.62	0.82	0.98
CRMS0276 - Just east of Wilkinson Canal	1.36	1.69	1.65	1.75	1.74	1.66	1.01	0.74	1.05	1.00	1.23	1.36
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.90	1.90	1.94	1.91	1.58	1.40	1.71	1.72	1.72	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.26	0.96	0.92	0.91	0.85	0.66	0.61	0.57	0.58	0.79	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.19	1.04	0.67	0.59	0.57	0.60	0.72	0.73	0.77	0.98	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.21	1.04	0.84	0.71	0.66	0.61	0.56	0.59	0.58	0.77	1.01
USGS 07380335 - Little Lake Near Cutoff	1.10	1.28	1.15	1.03	0.84	0.77	0.69	0.57	0.64	0.61	0.80	1.02
USGS073802516 Barataria Pass at Grand Isle	1.04	1.19	1.02	0.87	0.76	0.74	0.66	0.54	0.58	0.56	0.73	0.97
HWQ14 - Lake Washington	0.94	1.09	0.93	0.63	0.56	0.54	0.54	0.56	0.60	0.61	0.79	1.00
HWQ16 - Bayou Grand Liard	1.09	1.35	1.27	1.28	1.21	1.17	0.83	0.61	0.69	0.63	0.78	0.95
CRMS 3985	0.97	1.26	1.15	0.67	0.57	0.58	0.65	0.94	0.90	0.95	1.16	1.09
CRMS 0258	1.26	1.48	1.32	1.34	1.26	1.24	0.87	0.67	0.73	0.70	1.01	1.27
CRMS 0224	1.13	1.35	1.14	1.15	1.03	0.94	0.69	0.58	0.65	0.61	0.84	1.10
CRMS 0163	1.82	1.89	1.94	1.93	1.97	1.99	1.72	1.69	1.81	1.81	1.85	1.90
CRMS 0162	1.79	1.82	1.76	1.82	1.80	1.94	1.97	1.48	1.01	1.42	1.52	1.72

V3PR8 HYST - cy 3 - 2002 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	1.99	2.03	2.01	2.00	2.01	1.94	1.95	1.92	1.86	1.88	1.94
CRMS0276 - Just east of Wilkinson Canal	1.50	1.67	1.64	1.69	1.64	1.60	1.11	0.83	1.09	1.02	1.22	1.35
Barataria Waterway at Lafitte (USACE82875)	1.70	1.80	1.83	1.82	1.79	1.73	1.30	1.16	1.58	1.64	1.72	1.77
USGS2928590900040000 Barataria Waterway South of Lafitte	2.14	1.91	2.21	1.96	1.96	1.95	1.42	1.29	1.11	1.29	1.69	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.70	1.78	1.76	1.83	1.84	1.78	0.98	0.87	0.88	0.89	1.14	1.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.71	1.84	1.85	1.88	1.90	1.88	1.14	0.86	0.87	0.85	1.07	1.47
USGS 07380335 - Little Lake Near Cutoff	1.58	1.77	1.77	1.82	1.84	1.80	1.10	0.74	0.83	0.77	0.99	1.33
USGS073802516 Barataria Pass at Grand Isle	1.55	1.64	1.59	1.56	1.49	1.42	0.99	0.70	0.77	0.74	0.94	1.24
HWQ14 - Lake Washington	1.54	1.58	1.49	1.44	1.35	1.28	0.90	0.75	0.76	0.79	0.98	1.29
HWQ16 - Bayou Grand Liard	1.27	1.55	1.45	1.57	1.49	1.41	0.92	0.66	0.76	0.69	0.84	1.04
CRMS 3985	1.55	1.62	1.53	1.55	1.50	1.43	0.94	0.85	0.90	0.93	1.10	1.44
CRMS 0258	1.80	1.77	1.80	1.78	1.77	1.73	1.17	0.96	0.85	0.83	1.19	1.54
CRMS 0224	1.72	1.78	1.83	1.82	1.82	1.83	1.16	0.88	0.85	0.82	1.10	1.45
CRMS 0163	1.82	1.89	1.93	1.92	1.96	1.97	1.70	1.74	1.90	1.84	1.85	1.87
CRMS 0162	1.80	1.82	1.75	1.79	1.78	1.93	1.98	1.56	1.09	1.49	1.52	1.71

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	0.78	1.08	1.22	1.22	1.29	1.31	1.33	1.32	1.24	1.06	0.96
CRMS0276 - Just east of Wilkinson Canal	0.14	-0.02	-0.01	-0.06	-0.10	-0.06	0.10	0.09	0.04	0.02	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.06	-0.06	-0.08	-0.15	-0.18	-0.28	-0.25	-0.13	-0.08	0.00	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	1.02	0.65	1.25	1.03	1.05	1.11	0.75	0.68	0.54	0.71	0.90	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.73	0.59	0.72	1.16	1.25	1.21	0.38	0.15	0.14	0.12	0.16	0.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.67	0.63	0.81	1.05	1.19	1.22	0.54	0.31	0.28	0.27	0.30	0.46
USGS 07380335 - Little Lake Near Cutoff	0.48	0.48	0.62	0.79	1.01	1.03	0.42	0.18	0.19	0.16	0.19	0.31
USGS073802516 Barataria Pass at Grand Isle	0.51	0.45	0.57	0.69	0.73	0.68	0.33	0.16	0.19	0.18	0.20	0.27
HWQ14 - Lake Washington	0.59	0.49	0.55	0.81	0.78	0.74	0.36	0.18	0.17	0.18	0.19	0.29
HWQ16 - Bayou Grand Liard	0.18	0.20	0.18	0.28	0.28	0.24	0.09	0.05	0.07	0.06	0.05	0.09
CRMS 3985	0.58	0.36	0.38	0.88	0.94	0.85	0.29	-0.10	0.00	-0.02	-0.06	0.36
CRMS 0258	0.54	0.30	0.48	0.44	0.51	0.50	0.30	0.29	0.12	0.13	0.18	0.26
CRMS 0224	0.60	0.43	0.70	0.67	0.79	0.89	0.47	0.29	0.20	0.21	0.26	0.35
CRMS 0163	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	0.06	0.09	0.03	0.00	-0.03
CRMS 0162	0.01	0.00	-0.01	-0.03	-0.01	-0.01	0.01	0.08	0.08	0.06	-0.01	-0.01

Figure WQ TOTN 151 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.38	0.97	0.81	0.80	0.72	0.62	0.62	0.60	0.63	0.77	1.00
CRMS0276 - Just east of Wilkinson Canal	1.38	1.71	1.76	1.75	1.77	1.41	0.92	0.84	1.13	0.90	1.04	1.46
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.89	1.92	1.95	1.80	1.67	1.53	1.80	1.57	1.62	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.41	1.02	0.94	0.94	0.84	0.65	0.60	0.59	0.60	0.71	0.95
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.36	0.96	0.65	0.59	0.57	0.58	0.73	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.35	1.13	0.83	0.73	0.65	0.58	0.56	0.61	0.58	0.66	0.97
USGS 07380335 - Little Lake Near Cutoff	1.19	1.39	1.28	1.02	0.87	0.72	0.63	0.60	0.67	0.60	0.64	0.99
USGS073802516 Barataria Pass at Grand Isle	1.17	1.33	1.12	0.87	0.80	0.69	0.60	0.56	0.60	0.56	0.63	0.93
HWQ14 - Lake Washington	1.24	1.29	0.93	0.62	0.57	0.55	0.53	0.56	0.61	0.60	0.74	0.99
HWQ16 - Bayou Grand Liard	1.10	1.40	1.44	1.29	1.28	0.95	0.71	0.67	0.74	0.59	0.66	0.99
CRMS 3985	1.46	1.36	0.94	0.62	0.56	0.58	0.64	0.98	0.91	0.92	1.10	1.37
CRMS 0258	1.40	1.55	1.41	1.32	1.29	1.17	0.85	0.67	0.78	0.73	0.80	1.29
CRMS 0224	1.26	1.45	1.26	1.14	1.07	0.88	0.65	0.59	0.69	0.63	0.68	1.05
CRMS 0163	1.83	1.89	1.92	1.96	1.98	1.97	1.81	1.73	1.86	1.66	1.82	1.86
CRMS 0162	1.79	1.83	1.87	1.83	1.89	1.91	1.99	1.65	1.14	0.95	1.39	1.77

V3PR8 HYST - cy 3 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.98	2.00	2.00	2.01	2.02	2.01	1.91	1.93	1.90	1.88	1.88	1.94
CRMS0276 - Just east of Wilkinson Canal	1.52	1.70	1.75	1.69	1.70	1.33	0.96	0.89	1.13	0.94	1.03	1.44
Barataria Waterway at Lafitte (USACE82875)	1.73	1.81	1.82	1.79	1.82	1.61	1.41	1.31	1.65	1.54	1.61	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.97	1.92	1.95	1.97	1.99	1.66	1.35	1.28	1.12	1.31	1.69	1.83
USGS7380251 Barataria Bay North of Grand Isle	1.67	1.79	1.85	1.87	1.89	1.11	0.84	0.86	0.88	0.88	1.12	1.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.73	1.86	1.90	1.92	1.94	1.32	0.93	0.87	0.88	0.85	1.00	1.56
USGS 07380335 - Little Lake Near Cutoff	1.64	1.80	1.86	1.86	1.88	1.27	0.85	0.78	0.85	0.77	0.87	1.42
USGS073802516 Barataria Pass at Grand Isle	1.57	1.66	1.69	1.58	1.55	1.11	0.78	0.72	0.78	0.73	0.86	1.31
HWQ14 - Lake Washington	1.50	1.54	1.56	1.46	1.41	0.97	0.75	0.73	0.76	0.78	0.95	1.31
HWQ16 - Bayou Grand Liard	1.29	1.60	1.65	1.60	1.56	1.12	0.77	0.73	0.79	0.66	0.72	1.12
CRMS 3985	1.50	1.55	1.66	1.58	1.57	0.98	0.81	0.82	0.91	0.92	1.07	1.44
CRMS 0258	1.77	1.77	1.82	1.84	1.83	1.31	1.07	0.95	0.87	0.85	1.03	1.52
CRMS 0224	1.74	1.80	1.84	1.87	1.88	1.32	0.98	0.89	0.88	0.83	0.98	1.48
CRMS 0163	1.84	1.90	1.91	1.95	1.98	1.96	1.81	1.77	1.91	1.77	1.82	1.86
CRMS 0162	1.80	1.83	1.85	1.81	1.87	1.91	2.00	1.73	1.22	1.09	1.39	1.80

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.62	1.03	1.20	1.22	1.29	1.29	1.31	1.30	1.25	1.12	0.94
CRMS0276 - Just east of Wilkinson Canal	0.14	-0.01	-0.01	-0.06	-0.07	-0.08	0.04	0.06	0.01	0.04	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.05	-0.07	-0.14	-0.13	-0.19	-0.26	-0.22	-0.14	-0.03	-0.01	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.50	0.93	1.03	1.05	0.82	0.70	0.67	0.54	0.71	0.98	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.31	0.43	0.90	1.22	1.30	0.54	0.26	0.13	0.13	0.12	0.19	0.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.52	0.51	0.78	1.08	1.21	0.67	0.35	0.30	0.27	0.27	0.35	0.59
USGS 07380335 - Little Lake Near Cutoff	0.46	0.41	0.58	0.84	1.02	0.55	0.22	0.18	0.18	0.16	0.23	0.43
USGS073802516 Barataria Pass at Grand Isle	0.40	0.34	0.57	0.71	0.75	0.42	0.18	0.16	0.18	0.17	0.23	0.37
HWQ14 - Lake Washington	0.26	0.25	0.63	0.84	0.84	0.43	0.23	0.16	0.15	0.17	0.22	0.33
HWQ16 - Bayou Grand Liard	0.19	0.20	0.22	0.31	0.28	0.17	0.05	0.05	0.06	0.07	0.06	0.13
CRMS 3985	0.04	0.19	0.71	0.96	1.01	0.40	0.17	-0.16	0.00	0.00	-0.03	0.07
CRMS 0258	0.37	0.22	0.41	0.52	0.53	0.14	0.22	0.27	0.09	0.11	0.23	0.23
CRMS 0224	0.48	0.35	0.59	0.73	0.81	0.44	0.33	0.30	0.19	0.20	0.31	0.43
CRMS 0163	0.01	0.00	-0.01	-0.01	0.00	-0.01	-0.01	0.04	0.05	0.11	0.00	0.00
CRMS 0162	0.01	0.00	-0.02	-0.02	-0.02	0.00	0.01	0.08	0.07	0.14	0.01	0.02

Figure WQ TOTN 152 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.30	0.96	0.72	0.71	0.63	0.57	0.59	0.57	0.60	0.87	1.06
CRMS0276 - Just east of Wilkinson Canal	1.21	1.59	1.52	1.57	1.59	1.23	0.64	0.57	0.83	0.96	1.25	1.42
Barataria Waterway at Lafitte (USACE82875)	1.64	1.82	1.85	1.88	1.90	1.78	1.35	1.29	1.32	1.71	1.72	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.32	0.95	0.85	0.83	0.73	0.58	0.57	0.51	0.53	0.81	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.32	1.17	0.65	0.57	0.55	0.73	0.77	0.74	0.80	1.02	1.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	1.07	0.77	0.64	0.57	0.54	0.51	0.54	0.54	0.77	1.05
USGS 07380335 - Little Lake Near Cutoff	1.09	1.28	1.12	0.91	0.73	0.62	0.53	0.47	0.54	0.55	0.79	1.06
USGS073802516 Barataria Pass at Grand Isle	1.10	1.23	1.05	0.80	0.67	0.58	0.50	0.46	0.52	0.52	0.73	1.00
HWQ14 - Lake Washington	1.23	1.23	1.06	0.63	0.53	0.49	0.57	0.58	0.60	0.60	0.81	1.05
HWQ16 - Bayou Grand Liard	0.98	1.27	1.17	1.10	1.02	0.80	0.53	0.50	0.58	0.57	0.79	1.01
CRMS 3985	1.41	1.37	1.32	0.68	0.58	0.62	1.00	1.06	0.92	0.99	1.17	1.39
CRMS 0258	1.25	1.44	1.14	1.23	1.18	0.99	0.67	0.57	0.58	0.60	1.05	1.30
CRMS 0224	1.16	1.34	1.08	1.04	0.93	0.79	0.57	0.51	0.53	0.54	0.84	1.12
CRMS 0163	1.76	1.87	1.90	1.91	1.92	1.85	1.49	1.55	1.41	1.79	1.84	1.85
CRMS 0162	1.65	1.77	1.67	1.57	1.55	1.60	1.55	1.09	0.71	1.28	1.59	1.78

V3PR8 HYST - cy 3 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	1.99	2.00	1.94	1.95	1.90	1.93	1.91	1.90	1.83	1.84	1.89
CRMS0276 - Just east of Wilkinson Canal	1.29	1.59	1.52	1.57	1.43	1.17	0.68	0.60	0.87	0.95	1.22	1.44
Barataria Waterway at Lafitte (USACE82875)	1.65	1.78	1.82	1.81	1.78	1.54	1.10	1.00	1.34	1.65	1.72	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.77	1.89	1.85	1.54	1.62	1.00	1.17	1.15	0.97	1.16	1.45	1.73
USGS7380251 Barataria Bay North of Grand Isle	1.47	1.60	1.41	1.15	1.34	0.69	0.67	0.75	0.77	0.79	1.06	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.40	1.72	1.54	1.28	1.55	0.77	0.69	0.67	0.71	0.73	0.96	1.32
USGS 07380335 - Little Lake Near Cutoff	1.27	1.63	1.46	1.29	1.43	0.76	0.62	0.55	0.66	0.65	0.90	1.24
USGS073802516 Barataria Pass at Grand Isle	1.27	1.53	1.29	1.11	1.03	0.72	0.57	0.52	0.62	0.62	0.84	1.16
HWQ14 - Lake Washington	1.36	1.43	1.14	0.95	0.85	0.64	0.59	0.61	0.67	0.69	0.89	1.19
HWQ16 - Bayou Grand Liard	1.07	1.38	1.25	1.20	1.09	0.85	0.56	0.52	0.62	0.59	0.82	1.07
CRMS 3985	1.45	1.34	1.08	0.93	0.91	0.66	0.67	0.84	0.86	0.89	1.04	1.37
CRMS 0258	1.50	1.68	1.44	1.35	1.32	0.95	0.79	0.74	0.67	0.69	1.13	1.49
CRMS 0224	1.39	1.68	1.48	1.33	1.39	0.85	0.71	0.67	0.67	0.69	0.98	1.35
CRMS 0163	1.78	1.89	1.93	1.92	1.92	1.85	1.55	1.62	1.68	1.82	1.84	1.86
CRMS 0162	1.67	1.79	1.67	1.57	1.57	1.70	1.65	1.19	0.76	1.37	1.59	1.79

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.65	0.69	1.03	1.22	1.24	1.27	1.36	1.32	1.33	1.23	0.96	0.82
CRMS0276 - Just east of Wilkinson Canal	0.09	0.00	0.00	0.00	-0.16	-0.06	0.04	0.03	0.04	-0.02	-0.02	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.04	-0.03	-0.06	-0.12	-0.24	-0.25	-0.29	0.01	-0.06	0.00	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.51	0.57	0.90	0.69	0.80	0.27	0.59	0.59	0.46	0.63	0.64	0.71
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.29	0.24	0.50	0.77	0.14	-0.06	-0.03	0.03	0.00	0.04	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.24	0.46	0.47	0.51	0.91	0.20	0.15	0.16	0.17	0.19	0.18	0.27
USGS 07380335 - Little Lake Near Cutoff	0.19	0.34	0.33	0.37	0.70	0.14	0.09	0.08	0.11	0.10	0.11	0.18
USGS073802516 Barataria Pass at Grand Isle	0.17	0.30	0.24	0.31	0.36	0.14	0.07	0.06	0.10	0.10	0.11	0.15
HWQ14 - Lake Washington	0.14	0.20	0.08	0.31	0.32	0.14	0.02	0.03	0.07	0.09	0.08	0.14
HWQ16 - Bayou Grand Liard	0.09	0.12	0.08	0.11	0.07	0.05	0.03	0.02	0.03	0.02	0.03	0.06
CRMS 3985	0.04	-0.03	-0.24	0.25	0.33	0.04	-0.33	-0.22	-0.06	-0.10	-0.14	-0.02
CRMS 0258	0.25	0.23	0.30	0.12	0.14	-0.05	0.12	0.17	0.09	0.09	0.07	0.19
CRMS 0224	0.23	0.34	0.40	0.29	0.46	0.05	0.14	0.16	0.14	0.14	0.14	0.23
CRMS 0163	0.02	0.03	0.03	0.01	0.00	0.00	0.06	0.07	0.27	0.03	0.00	0.01
CRMS 0162	0.01	0.02	0.00	0.00	0.02	0.11	0.10	0.10	0.05	0.09	0.00	0.02

Figure WQ TOTN 153 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.36	0.98	0.80	0.78	0.73	0.66	0.69	0.69	0.69	0.77	0.88
CRMS0276 - Just east of Wilkinson Canal	1.32	1.74	1.73	1.72	1.70	1.59	1.23	1.11	1.38	1.11	1.12	1.30
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.91	1.91	1.93	1.89	1.84	1.72	1.85	1.73	1.63	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.40	1.01	0.92	0.91	0.87	0.68	0.66	0.71	0.69	0.80	0.91
USGS7380251 Barataria Bay North of Grand Isle	1.29	1.33	1.03	0.67	0.60	0.58	0.60	0.72	0.76	0.77	0.73	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.35	1.11	0.83	0.70	0.66	0.63	0.63	0.68	0.65	0.72	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.41	1.23	1.01	0.82	0.76	0.73	0.73	0.78	0.70	0.75	0.88
USGS073802516 Barataria Pass at Grand Isle	1.08	1.33	1.10	0.85	0.74	0.71	0.70	0.69	0.68	0.63	0.68	0.81
HWQ14 - Lake Washington	1.15	1.26	0.96	0.63	0.56	0.54	0.54	0.58	0.62	0.62	0.67	0.80
HWQ16 - Bayou Grand Liard	1.08	1.44	1.38	1.25	1.14	1.09	1.00	0.93	0.89	0.70	0.72	0.88
CRMS 3985	1.39	1.34	1.08	0.66	0.58	0.59	0.64	0.90	0.90	0.91	0.71	1.19
CRMS 0258	1.29	1.56	1.36	1.32	1.25	1.26	0.97	0.90	1.04	0.89	1.02	1.14
CRMS 0224	1.15	1.46	1.21	1.12	1.01	0.95	0.72	0.67	0.84	0.75	0.83	0.96
CRMS 0163	1.83	1.90	1.95	1.94	1.97	1.98	1.90	1.86	1.91	1.81	1.83	1.84
CRMS 0162	1.81	1.87	1.82	1.76	1.74	1.91	1.98	1.90	1.58	1.43	1.33	1.61

V3PR8 HYST - cy 3 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.95	1.92	1.90	1.94	1.91
CRMS0276 - Just east of Wilkinson Canal	1.54	1.73	1.76	1.66	1.61	1.52	1.50	1.37	1.41	1.16	1.12	1.28
Barataria Waterway at Lafitte (USACE82875)	1.71	1.81	1.83	1.77	1.80	1.66	1.43	1.34	1.81	1.70	1.61	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.93	1.96	1.97	1.98	1.94	1.91	1.57	1.11	1.30	1.77	1.87
USGS7380251 Barataria Bay North of Grand Isle	1.74	1.82	1.87	1.83	1.79	1.74	1.67	1.30	0.91	0.91	1.12	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.81	1.88	1.92	1.89	1.87	1.86	1.84	1.48	0.97	0.92	1.10	1.32
USGS 07380335 - Little Lake Near Cutoff	1.71	1.83	1.88	1.83	1.78	1.75	1.71	1.44	0.99	0.87	1.00	1.18
USGS073802516 Barataria Pass at Grand Isle	1.60	1.71	1.71	1.56	1.42	1.34	1.35	1.23	0.91	0.82	0.96	1.13
HWQ14 - Lake Washington	1.49	1.62	1.59	1.43	1.29	1.21	1.13	1.03	0.82	0.81	0.98	1.18
HWQ16 - Bayou Grand Liard	1.34	1.66	1.63	1.55	1.41	1.33	1.19	1.09	0.97	0.78	0.79	0.96
CRMS 3985	1.56	1.67	1.67	1.53	1.45	1.34	1.27	1.12	0.84	0.87	0.93	1.29
CRMS 0258	1.76	1.79	1.89	1.80	1.71	1.69	1.71	1.47	1.19	1.04	1.26	1.40
CRMS 0224	1.76	1.81	1.90	1.84	1.78	1.80	1.81	1.49	1.03	0.95	1.15	1.30
CRMS 0163	1.83	1.89	1.94	1.93	1.95	1.96	1.82	1.86	1.97	1.86	1.82	1.85
CRMS 0162	1.81	1.86	1.78	1.74	1.72	1.92	1.99	1.95	1.64	1.53	1.32	1.66

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.64	1.01	1.21	1.22	1.27	1.33	1.26	1.24	1.21	1.17	1.04
CRMS0276 - Just east of Wilkinson Canal	0.22	-0.01	0.03	-0.06	-0.10	-0.07	0.27	0.26	0.03	0.05	-0.01	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.06	-0.08	-0.15	-0.13	-0.23	-0.40	-0.38	-0.04	-0.03	-0.02	-0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.66	0.54	0.95	1.04	1.07	1.07	1.23	0.91	0.40	0.61	0.97	0.95
USGS7380251 Barataria Bay North of Grand Isle	0.46	0.49	0.84	1.16	1.20	1.17	1.06	0.58	0.15	0.14	0.38	0.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.52	0.82	1.06	1.17	1.20	1.22	0.85	0.28	0.27	0.39	0.46
USGS 07380335 - Little Lake Near Cutoff	0.61	0.42	0.65	0.83	0.96	0.99	0.98	0.71	0.21	0.18	0.25	0.29
USGS073802516 Barataria Pass at Grand Isle	0.52	0.38	0.62	0.70	0.68	0.63	0.65	0.54	0.23	0.19	0.28	0.32
HWQ14 - Lake Washington	0.35	0.36	0.63	0.80	0.72	0.67	0.60	0.45	0.20	0.19	0.31	0.38
HWQ16 - Bayou Grand Liard	0.25	0.22	0.25	0.30	0.27	0.24	0.19	0.16	0.08	0.08	0.07	0.08
CRMS 3985	0.17	0.32	0.59	0.87	0.87	0.76	0.63	0.22	-0.05	-0.04	0.22	0.10
CRMS 0258	0.48	0.23	0.53	0.49	0.46	0.43	0.74	0.57	0.15	0.15	0.24	0.26
CRMS 0224	0.61	0.35	0.69	0.72	0.77	0.85	1.09	0.81	0.19	0.20	0.32	0.34
CRMS 0163	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	-0.08	0.00	0.06	0.05	-0.02	0.01
CRMS 0162	0.00	-0.01	-0.04	-0.02	-0.02	0.00	0.01	0.05	0.06	0.11	-0.01	0.05

Figure WQ TOTN 154 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.20	0.91	0.82	0.78	0.71	0.65	0.66	0.64	0.65	0.78	1.03
CRMS0276 - Just east of Wilkinson Canal	1.44	1.52	1.64	1.74	1.74	1.49	1.18	1.03	1.31	1.06	1.06	1.59
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.85	1.91	1.84	1.86	1.81	1.63	1.84	1.68	1.60	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.30	0.97	0.97	0.93	0.83	0.66	0.63	0.65	0.65	0.77	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.06	0.99	0.70	0.58	0.56	0.59	0.65	0.72	0.75	0.88	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.23	0.99	0.86	0.73	0.66	0.61	0.62	0.65	0.63	0.70	1.00
USGS 07380335 - Little Lake Near Cutoff	1.25	1.27	1.11	1.04	0.89	0.75	0.71	0.71	0.74	0.67	0.70	1.05
USGS073802516 Barataria Pass at Grand Isle	1.22	1.22	0.95	0.89	0.80	0.72	0.69	0.67	0.65	0.61	0.66	0.97
HWQ14 - Lake Washington	1.25	1.13	0.86	0.65	0.57	0.54	0.53	0.54	0.60	0.61	0.72	0.99
HWQ16 - Bayou Grand Liard	1.16	1.23	1.26	1.27	1.29	1.11	1.00	0.88	0.85	0.68	0.69	1.11
CRMS 3985	1.35	0.98	1.14	0.71	0.56	0.57	0.61	0.77	0.87	0.89	1.03	1.37
CRMS 0258	1.43	1.43	1.37	1.34	1.31	1.15	0.93	0.86	0.94	0.86	0.93	1.31
CRMS 0224	1.31	1.34	1.15	1.17	1.09	0.89	0.69	0.65	0.79	0.72	0.76	1.09
CRMS 0163	1.86	1.91	1.88	1.94	1.84	1.96	1.92	1.85	1.91	1.78	1.80	1.86
CRMS 0162	1.74	1.63	1.79	1.79	1.77	1.94	2.00	1.90	1.48	1.19	1.35	1.82

V3PR8 HYST - cy 3 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.05	1.97	1.99	2.00	1.92	1.99	2.00	1.93	1.91	1.92	1.93	1.99
CRMS0276 - Just east of Wilkinson Canal	1.59	1.50	1.63	1.73	1.68	1.54	1.51	1.19	1.33	1.10	1.04	1.58
Barataria Waterway at Lafitte (USACE82875)	1.76	1.79	1.78	1.84	1.81	1.62	1.41	1.38	1.74	1.64	1.60	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	2.54	2.13	1.90	1.95	1.87	1.95	1.93	1.33	1.14	1.35	1.79	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.72	1.58	1.76	1.84	1.77	1.79	1.68	1.00	0.90	0.91	1.13	1.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.76	1.63	1.82	1.89	1.82	1.88	1.85	1.13	0.96	0.92	1.09	1.83
USGS 07380335 - Little Lake Near Cutoff	1.62	1.54	1.76	1.83	1.77	1.79	1.72	1.10	0.96	0.86	0.95	1.75
USGS073802516 Barataria Pass at Grand Isle	1.58	1.50	1.58	1.58	1.50	1.38	1.35	1.02	0.88	0.81	0.92	1.57
HWQ14 - Lake Washington	1.56	1.49	1.48	1.47	1.38	1.25	1.15	0.93	0.81	0.81	0.97	1.43
HWQ16 - Bayou Grand Liard	1.28	1.30	1.50	1.58	1.52	1.36	1.21	0.97	0.92	0.75	0.74	1.37
CRMS 3985	1.50	1.48	1.59	1.57	1.51	1.42	1.29	0.96	0.85	0.87	0.94	1.53
CRMS 0258	1.99	1.73	1.73	1.81	1.71	1.74	1.72	1.25	1.08	1.00	1.19	1.74
CRMS 0224	1.85	1.66	1.75	1.84	1.75	1.82	1.82	1.14	1.00	0.94	1.10	1.75
CRMS 0163	1.86	1.88	1.87	1.93	1.85	1.97	1.83	1.89	1.95	1.83	1.82	1.86
CRMS 0162	1.74	1.64	1.76	1.76	1.79	1.94	2.01	1.95	1.52	1.27	1.38	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.77	1.07	1.18	1.14	1.28	1.35	1.27	1.27	1.26	1.15	0.95
CRMS0276 - Just east of Wilkinson Canal	0.15	-0.02	-0.01	-0.01	-0.05	0.04	0.32	0.15	0.02	0.04	-0.02	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.07	-0.07	-0.07	-0.03	-0.23	-0.40	-0.25	-0.10	-0.04	-0.01	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	0.83	0.93	0.99	0.94	1.12	1.27	0.70	0.49	0.70	1.02	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.40	0.52	0.77	1.14	1.19	1.23	1.09	0.35	0.17	0.16	0.26	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.50	0.39	0.83	1.03	1.08	1.22	1.24	0.51	0.31	0.29	0.40	0.83
USGS 07380335 - Little Lake Near Cutoff	0.38	0.27	0.65	0.79	0.88	1.04	1.01	0.39	0.22	0.19	0.25	0.70
USGS073802516 Barataria Pass at Grand Isle	0.37	0.28	0.63	0.69	0.70	0.65	0.66	0.34	0.24	0.20	0.26	0.60
HWQ14 - Lake Washington	0.31	0.37	0.63	0.82	0.81	0.71	0.61	0.38	0.21	0.20	0.25	0.45
HWQ16 - Bayou Grand Liard	0.11	0.07	0.23	0.30	0.24	0.25	0.21	0.09	0.07	0.08	0.06	0.26
CRMS 3985	0.15	0.50	0.44	0.86	0.95	0.85	0.68	0.19	-0.02	-0.02	-0.09	0.16
CRMS 0258	0.56	0.30	0.36	0.47	0.40	0.59	0.80	0.39	0.13	0.15	0.26	0.42
CRMS 0224	0.54	0.32	0.60	0.66	0.66	0.93	1.14	0.49	0.21	0.22	0.34	0.65
CRMS 0163	-0.01	-0.03	0.00	0.00	0.02	0.01	-0.08	0.04	0.04	0.06	0.02	0.00
CRMS 0162	-0.01	0.01	-0.03	-0.03	0.02	0.00	0.00	0.05	0.04	0.08	0.03	0.01

Figure WQ TOTN 155 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.21	0.95	0.79	0.78	0.72	0.63	0.62	0.60	0.62	0.82	0.98
CRMS0276 - Just east of Wilkinson Canal	1.36	1.69	1.65	1.75	1.74	1.66	1.01	0.74	1.05	1.00	1.23	1.36
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.90	1.90	1.94	1.91	1.58	1.40	1.71	1.72	1.72	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.26	0.96	0.92	0.91	0.85	0.66	0.61	0.57	0.58	0.79	0.98
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.19	1.04	0.67	0.59	0.57	0.60	0.72	0.73	0.77	0.98	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.21	1.04	0.84	0.71	0.66	0.61	0.56	0.59	0.58	0.77	1.01
USGS 07380335 - Little Lake Near Cutoff	1.10	1.28	1.15	1.03	0.84	0.77	0.69	0.57	0.64	0.61	0.80	1.02
USGS073802516 Barataria Pass at Grand Isle	1.04	1.19	1.02	0.87	0.76	0.74	0.66	0.54	0.58	0.56	0.73	0.97
HWQ14 - Lake Washington	0.94	1.09	0.93	0.63	0.56	0.54	0.54	0.56	0.60	0.61	0.79	1.00
HWQ16 - Bayou Grand Liard	1.09	1.35	1.27	1.28	1.21	1.17	0.83	0.61	0.69	0.63	0.78	0.95
CRMS 3985	0.97	1.26	1.15	0.67	0.57	0.58	0.65	0.94	0.90	0.95	1.16	1.09
CRMS 0258	1.26	1.48	1.32	1.34	1.26	1.24	0.87	0.67	0.73	0.70	1.01	1.27
CRMS 0224	1.13	1.35	1.14	1.15	1.03	0.94	0.69	0.58	0.65	0.61	0.84	1.10
CRMS 0163	1.82	1.89	1.94	1.93	1.97	1.99	1.72	1.69	1.81	1.81	1.85	1.90
CRMS 0162	1.79	1.82	1.76	1.82	1.80	1.94	1.97	1.48	1.01	1.42	1.52	1.72

V3PR9 HYST - cy 3 - 2002 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.08	1.20	0.98	0.76	0.76	0.70	0.63	0.62	0.59	0.62	0.80	0.96
CRMS0276 - Just east of Wilkinson Canal	1.34	1.64	1.58	1.71	1.66	1.61	0.97	0.71	0.99	0.89	1.10	1.30
Barataria Waterway at Lafitte (USACE82875)	1.70	1.79	1.81	1.83	1.79	1.77	1.32	1.10	1.48	1.53	1.67	1.76
USGS2928590900040000 Barataria Waterway South of Lafitte	1.12	1.25	0.96	0.88	0.88	0.81	0.65	0.60	0.56	0.56	0.71	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.19	1.13	0.72	0.59	0.57	0.60	0.72	0.74	0.78	1.00	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.19	1.02	0.81	0.70	0.65	0.60	0.55	0.58	0.56	0.69	0.96
USGS 07380335 - Little Lake Near Cutoff	1.09	1.26	1.10	0.98	0.81	0.74	0.68	0.56	0.62	0.57	0.69	0.96
USGS073802516 Barataria Pass at Grand Isle	1.03	1.18	1.00	0.85	0.75	0.71	0.65	0.54	0.58	0.54	0.67	0.93
HWQ14 - Lake Washington	0.94	1.09	1.00	0.67	0.57	0.53	0.53	0.58	0.61	0.62	0.81	1.02
HWQ16 - Bayou Grand Liard	1.09	1.32	1.23	1.23	1.15	1.12	0.81	0.60	0.67	0.57	0.72	0.91
CRMS 3985	0.98	1.26	1.27	0.79	0.58	0.58	0.65	0.96	0.91	0.96	1.21	1.11
CRMS 0258	1.25	1.46	1.30	1.28	1.20	1.19	0.86	0.66	0.71	0.64	0.77	1.14
CRMS 0224	1.12	1.32	1.10	1.09	0.98	0.89	0.68	0.57	0.62	0.57	0.68	0.99
CRMS 0163	1.81	1.88	1.91	1.92	1.95	1.98	1.68	1.68	1.80	1.78	1.83	1.89
CRMS 0162	1.78	1.81	1.73	1.79	1.75	1.93	1.97	1.48	1.00	1.43	1.49	1.71

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.01	0.03	-0.02	-0.02	-0.02	-0.01	0.00	0.00	0.00	-0.02	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.04	-0.06	-0.04	-0.08	-0.05	-0.03	-0.03	-0.05	-0.11	-0.12	-0.06
Barataria Waterway at Lafitte (USACE82875)	-0.04	-0.06	-0.09	-0.08	-0.15	-0.14	-0.26	-0.30	-0.23	-0.19	-0.05	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.01	0.00	-0.04	-0.03	-0.03	-0.02	-0.01	-0.01	-0.02	-0.08	-0.08
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.02	-0.02	-0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.08	-0.06
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.03	-0.04	-0.05	-0.02	-0.03	-0.01	-0.01	-0.02	-0.04	-0.11	-0.06
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.01	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.02	-0.06	-0.04
HWQ14 - Lake Washington	0.00	0.00	0.07	0.04	0.00	-0.01	0.00	0.01	0.01	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.00	-0.03	-0.04	-0.05	-0.06	-0.05	-0.01	-0.01	-0.02	-0.05	-0.06	-0.04
CRMS 3985	0.00	0.00	0.12	0.11	0.01	0.00	0.01	0.01	0.01	0.01	0.05	0.02
CRMS 0258	0.00	-0.02	-0.02	-0.05	-0.06	-0.05	-0.02	-0.01	-0.02	-0.06	-0.24	-0.13
CRMS 0224	-0.01	-0.03	-0.04	-0.06	-0.05	-0.05	-0.02	-0.01	-0.03	-0.04	-0.16	-0.11
CRMS 0163	-0.01	-0.01	-0.03	-0.01	-0.01	-0.01	-0.04	0.00	-0.01	-0.03	-0.02	-0.01
CRMS 0162	-0.01	-0.01	-0.03	-0.02	-0.05	-0.01	0.00	0.00	0.00	0.01	-0.03	0.00

Figure WQ TOTN 156 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.38	0.97	0.81	0.80	0.72	0.62	0.62	0.60	0.63	0.77	1.00
CRMS0276 - Just east of Wilkinson Canal	1.38	1.71	1.76	1.75	1.77	1.41	0.92	0.84	1.13	0.90	1.04	1.46
Barataria Waterway at Lafitte (USACE82875)	1.74	1.86	1.89	1.92	1.95	1.80	1.67	1.53	1.80	1.57	1.62	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.41	1.02	0.94	0.94	0.84	0.65	0.60	0.59	0.60	0.71	0.95
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.36	0.96	0.65	0.59	0.57	0.58	0.73	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.35	1.13	0.83	0.73	0.65	0.58	0.56	0.61	0.58	0.66	0.97
USGS 07380335 - Little Lake Near Cutoff	1.19	1.39	1.28	1.02	0.87	0.72	0.63	0.60	0.67	0.60	0.64	0.99
USGS073802516 Barataria Pass at Grand Isle	1.17	1.33	1.12	0.87	0.80	0.69	0.60	0.56	0.60	0.56	0.63	0.93
HWQ14 - Lake Washington	1.24	1.29	0.93	0.62	0.57	0.55	0.53	0.56	0.61	0.60	0.74	0.99
HWQ16 - Bayou Grand Liard	1.10	1.40	1.44	1.29	1.28	0.95	0.71	0.67	0.74	0.59	0.66	0.99
CRMS 3985	1.46	1.36	0.94	0.62	0.56	0.58	0.64	0.98	0.91	0.92	1.10	1.37
CRMS 0258	1.40	1.55	1.41	1.32	1.29	1.17	0.85	0.67	0.78	0.73	0.80	1.29
CRMS 0224	1.26	1.45	1.26	1.14	1.07	0.88	0.65	0.59	0.69	0.63	0.68	1.05
CRMS 0163	1.83	1.89	1.92	1.96	1.98	1.97	1.81	1.73	1.86	1.66	1.82	1.86
CRMS 0162	1.79	1.83	1.87	1.83	1.89	1.91	1.99	1.65	1.14	0.95	1.39	1.77

V3PR9 HYST - cy 3 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.28	0.82	0.74	0.75	0.69	0.60	0.61	0.59	0.62	0.77	1.00
CRMS0276 - Just east of Wilkinson Canal	1.37	1.69	1.73	1.68	1.71	1.34	0.87	0.77	1.04	0.83	0.92	1.40
Barataria Waterway at Lafitte (USACE82875)	1.72	1.82	1.83	1.81	1.82	1.59	1.37	1.23	1.56	1.42	1.55	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.36	0.92	0.88	0.89	0.80	0.62	0.59	0.56	0.57	0.67	0.90
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.11	0.68	0.56	0.54	0.53	0.58	0.75	0.74	0.77	0.97	1.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.29	0.96	0.75	0.68	0.62	0.56	0.54	0.58	0.56	0.62	0.92
USGS 07380335 - Little Lake Near Cutoff	1.18	1.35	1.15	0.94	0.81	0.68	0.61	0.57	0.64	0.57	0.60	0.93
USGS073802516 Barataria Pass at Grand Isle	1.16	1.28	0.97	0.79	0.75	0.66	0.58	0.54	0.58	0.54	0.61	0.90
HWQ14 - Lake Washington	1.23	1.16	0.68	0.53	0.52	0.50	0.51	0.57	0.61	0.61	0.77	1.02
HWQ16 - Bayou Grand Liard	1.11	1.39	1.38	1.23	1.23	0.91	0.70	0.64	0.69	0.56	0.63	0.97
CRMS 3985	1.37	0.95	0.62	0.51	0.51	0.54	0.67	1.02	0.92	0.94	1.17	1.37
CRMS 0258	1.38	1.54	1.36	1.27	1.23	1.15	0.82	0.65	0.74	0.65	0.68	1.13
CRMS 0224	1.24	1.42	1.17	1.07	1.01	0.84	0.63	0.57	0.64	0.58	0.59	0.93
CRMS 0163	1.82	1.89	1.90	1.95	1.98	1.95	1.76	1.70	1.86	1.69	1.79	1.85
CRMS 0162	1.79	1.84	1.86	1.82	1.87	1.90	1.98	1.64	1.13	0.99	1.37	1.77

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.10	-0.15	-0.07	-0.05	-0.03	-0.02	-0.01	-0.01	-0.01	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.02	-0.03	-0.07	-0.07	-0.07	-0.05	-0.07	-0.08	-0.07	-0.11	-0.06
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.05	-0.06	-0.11	-0.13	-0.20	-0.30	-0.30	-0.24	-0.15	-0.07	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.06	-0.10	-0.06	-0.05	-0.03	-0.03	-0.02	-0.02	-0.03	-0.04	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.24	-0.28	-0.09	-0.05	-0.03	0.00	0.02	0.00	0.01	0.04	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.06	-0.17	-0.09	-0.05	-0.03	-0.02	-0.02	-0.03	-0.03	-0.03	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.04	-0.12	-0.08	-0.05	-0.04	-0.02	-0.02	-0.04	-0.03	-0.05	-0.06
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.04	-0.15	-0.07	-0.04	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.03
HWQ14 - Lake Washington	-0.01	-0.13	-0.25	-0.09	-0.05	-0.04	-0.02	0.01	0.00	0.01	0.03	0.04
HWQ16 - Bayou Grand Liard	0.01	-0.01	-0.06	-0.06	-0.05	-0.03	-0.02	-0.03	-0.04	-0.03	-0.03	-0.03
CRMS 3985	-0.08	-0.41	-0.33	-0.11	-0.05	-0.03	0.03	0.04	0.00	0.02	0.07	0.00
CRMS 0258	-0.02	-0.02	-0.05	-0.05	-0.06	-0.03	-0.03	-0.03	-0.04	-0.08	-0.12	-0.15
CRMS 0224	-0.02	-0.04	-0.09	-0.07	-0.06	-0.04	-0.03	-0.02	-0.04	-0.05	-0.08	-0.12
CRMS 0163	-0.01	0.00	-0.01	-0.01	-0.01	-0.02	-0.05	-0.03	0.00	0.02	-0.03	-0.01
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	0.04	-0.02	0.00

Figure WQ TOTN 157 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.30	0.96	0.72	0.71	0.63	0.57	0.59	0.57	0.60	0.87	1.06
CRMS0276 - Just east of Wilkinson Canal	1.21	1.59	1.52	1.57	1.59	1.23	0.64	0.57	0.83	0.96	1.25	1.42
Barataria Waterway at Lafitte (USACE82875)	1.64	1.82	1.85	1.88	1.90	1.78	1.35	1.29	1.32	1.71	1.72	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.32	0.95	0.85	0.83	0.73	0.58	0.57	0.51	0.53	0.81	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.32	1.17	0.65	0.57	0.55	0.73	0.77	0.74	0.80	1.02	1.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	1.07	0.77	0.64	0.57	0.54	0.51	0.54	0.54	0.77	1.05
USGS 07380335 - Little Lake Near Cutoff	1.09	1.28	1.12	0.91	0.73	0.62	0.53	0.47	0.54	0.55	0.79	1.06
USGS073802516 Barataria Pass at Grand Isle	1.10	1.23	1.05	0.80	0.67	0.58	0.50	0.46	0.52	0.52	0.73	1.00
HWQ14 - Lake Washington	1.23	1.23	1.06	0.63	0.53	0.49	0.57	0.58	0.60	0.60	0.81	1.05
HWQ16 - Bayou Grand Liard	0.98	1.27	1.17	1.10	1.02	0.80	0.53	0.50	0.58	0.57	0.79	1.01
CRMS 3985	1.41	1.37	1.32	0.68	0.58	0.62	1.00	1.06	0.92	0.99	1.17	1.39
CRMS 0258	1.25	1.44	1.14	1.23	1.18	0.99	0.67	0.57	0.58	0.60	1.05	1.30
CRMS 0224	1.16	1.34	1.08	1.04	0.93	0.79	0.57	0.51	0.53	0.54	0.84	1.12
CRMS 0163	1.76	1.87	1.90	1.91	1.92	1.85	1.49	1.55	1.41	1.79	1.84	1.85
CRMS 0162	1.65	1.77	1.67	1.57	1.55	1.60	1.55	1.09	0.71	1.28	1.59	1.78

V3PR9 HYST - cy 3 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.29	0.97	0.74	0.69	0.61	0.58	0.60	0.58	0.61	0.86	1.04
CRMS0276 - Just east of Wilkinson Canal	1.18	1.55	1.48	1.49	1.49	1.16	0.60	0.53	0.74	0.82	1.12	1.39
Barataria Waterway at Lafitte (USACE82875)	1.60	1.75	1.76	1.78	1.75	1.49	1.04	0.91	1.11	1.53	1.67	1.76
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.30	0.96	0.83	0.76	0.68	0.58	0.57	0.50	0.52	0.74	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.34	1.31	1.17	0.75	0.63	0.58	0.76	0.80	0.76	0.81	1.02	1.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.24	1.06	0.78	0.64	0.57	0.54	0.51	0.53	0.52	0.69	1.01
USGS 07380335 - Little Lake Near Cutoff	1.08	1.26	1.11	0.89	0.70	0.60	0.53	0.46	0.52	0.51	0.69	1.03
USGS073802516 Barataria Pass at Grand Isle	1.10	1.21	1.03	0.80	0.67	0.58	0.51	0.46	0.51	0.50	0.67	0.98
HWQ14 - Lake Washington	1.23	1.23	1.07	0.70	0.58	0.52	0.61	0.61	0.62	0.63	0.82	1.06
HWQ16 - Bayou Grand Liard	0.97	1.25	1.15	1.04	0.97	0.78	0.51	0.49	0.54	0.51	0.73	0.99
CRMS 3985	1.41	1.37	1.33	0.87	0.71	0.66	1.03	1.08	0.94	1.00	1.19	1.37
CRMS 0258	1.25	1.41	1.21	1.17	1.07	0.90	0.63	0.55	0.53	0.58	0.82	1.27
CRMS 0224	1.16	1.30	1.10	1.00	0.85	0.73	0.56	0.50	0.50	0.51	0.67	1.07
CRMS 0163	1.75	1.86	1.88	1.90	1.90	1.80	1.45	1.49	1.39	1.76	1.83	1.85
CRMS 0162	1.65	1.76	1.64	1.53	1.52	1.63	1.52	1.09	0.69	1.28	1.57	1.77

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.01	0.00	0.01	-0.02	-0.02	0.01	0.01	0.01	0.01	-0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	-0.03	-0.04	-0.04	-0.08	-0.10	-0.07	-0.04	-0.05	-0.09	-0.14	-0.13	-0.04
Barataria Waterway at Lafitte (USACE82875)	-0.04	-0.07	-0.09	-0.10	-0.15	-0.29	-0.31	-0.38	-0.21	-0.19	-0.05	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	-0.02	0.02	-0.02	-0.06	-0.05	-0.01	0.00	-0.01	-0.01	-0.06	-0.06
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.00	0.10	0.07	0.03	0.03	0.03	0.02	0.02	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.08	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.03	-0.01	-0.02	-0.03	-0.02	0.00	-0.01	-0.02	-0.04	-0.10	-0.04
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.06	-0.02
HWQ14 - Lake Washington	0.01	0.00	0.01	0.07	0.06	0.03	0.04	0.03	0.02	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.02	-0.05	-0.05	-0.02	-0.02	-0.01	-0.04	-0.06	-0.06	-0.02
CRMS 3985	0.00	0.00	0.01	0.19	0.13	0.04	0.03	0.02	0.01	0.02	0.01	-0.01
CRMS 0258	0.00	-0.04	0.07	-0.06	-0.11	-0.09	-0.03	-0.02	-0.05	-0.01	-0.23	-0.03
CRMS 0224	0.00	-0.04	0.01	-0.04	-0.08	-0.06	-0.01	-0.01	-0.03	-0.03	-0.16	-0.05
CRMS 0163	-0.01	-0.01	-0.02	-0.01	-0.02	-0.05	-0.04	-0.06	-0.01	-0.03	-0.02	-0.01
CRMS 0162	-0.01	-0.01	-0.03	-0.04	-0.03	0.03	-0.02	0.00	-0.02	-0.01	-0.02	-0.01

Figure WQ TOTN 158 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.36	0.98	0.80	0.78	0.73	0.66	0.69	0.69	0.69	0.77	0.88
CRMS0276 - Just east of Wilkinson Canal	1.32	1.74	1.73	1.72	1.70	1.59	1.23	1.11	1.38	1.11	1.12	1.30
Barataria Waterway at Lafitte (USACE82875)	1.74	1.87	1.91	1.91	1.93	1.89	1.84	1.72	1.85	1.73	1.63	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.40	1.01	0.92	0.91	0.87	0.68	0.66	0.71	0.69	0.80	0.91
USGS7380251 Barataria Bay North of Grand Isle	1.29	1.33	1.03	0.67	0.60	0.58	0.60	0.72	0.76	0.77	0.73	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.35	1.11	0.83	0.70	0.66	0.63	0.63	0.68	0.65	0.72	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.41	1.23	1.01	0.82	0.76	0.73	0.73	0.78	0.70	0.75	0.88
USGS073802516 Barataria Pass at Grand Isle	1.08	1.33	1.10	0.85	0.74	0.71	0.70	0.69	0.68	0.63	0.68	0.81
HWQ14 - Lake Washington	1.15	1.26	0.96	0.63	0.56	0.54	0.54	0.58	0.62	0.62	0.67	0.80
HWQ16 - Bayou Grand Liard	1.08	1.44	1.38	1.25	1.14	1.09	1.00	0.93	0.89	0.70	0.72	0.88
CRMS 3985	1.39	1.34	1.08	0.66	0.58	0.59	0.64	0.90	0.90	0.91	0.71	1.19
CRMS 0258	1.29	1.56	1.36	1.32	1.25	1.26	0.97	0.90	1.04	0.89	1.02	1.14
CRMS 0224	1.15	1.46	1.21	1.12	1.01	0.95	0.72	0.67	0.84	0.75	0.83	0.96
CRMS 0163	1.83	1.90	1.95	1.94	1.97	1.98	1.90	1.86	1.91	1.81	1.83	1.84
CRMS 0162	1.81	1.87	1.82	1.76	1.74	1.91	1.98	1.90	1.58	1.43	1.33	1.61

V3PR9 HYST - cy 3 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.98	1.11	0.82	0.72	0.74	0.68	0.66	0.70	0.69	0.69	0.85	0.90
CRMS0276 - Just east of Wilkinson Canal	1.26	1.72	1.68	1.66	1.62	1.50	1.07	1.00	1.29	1.03	0.97	1.20
Barataria Waterway at Lafitte (USACE82875)	1.71	1.81	1.85	1.79	1.80	1.69	1.52	1.38	1.69	1.60	1.54	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.01	1.23	0.90	0.85	0.86	0.80	0.64	0.65	0.68	0.66	0.78	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.85	0.94	0.73	0.57	0.55	0.56	0.74	0.80	0.79	0.81	0.98	0.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.93	1.17	0.92	0.73	0.65	0.61	0.59	0.62	0.66	0.63	0.70	0.86
USGS 07380335 - Little Lake Near Cutoff	0.99	1.29	1.10	0.92	0.76	0.68	0.65	0.70	0.74	0.67	0.68	0.85
USGS073802516 Barataria Pass at Grand Isle	0.92	1.17	0.93	0.77	0.69	0.65	0.62	0.65	0.66	0.62	0.67	0.84
HWQ14 - Lake Washington	0.81	0.95	0.69	0.53	0.51	0.50	0.59	0.62	0.64	0.64	0.80	0.90
HWQ16 - Bayou Grand Liard	1.03	1.39	1.31	1.20	1.08	1.02	0.89	0.87	0.84	0.67	0.66	0.85
CRMS 3985	0.81	0.82	0.70	0.54	0.53	0.60	0.95	1.03	0.94	0.95	1.14	0.77
CRMS 0258	1.17	1.51	1.31	1.26	1.18	1.20	0.92	0.87	0.95	0.82	0.87	0.97
CRMS 0224	1.01	1.36	1.11	1.04	0.94	0.87	0.65	0.64	0.77	0.69	0.73	0.87
CRMS 0163	1.83	1.89	1.94	1.93	1.95	1.95	1.82	1.82	1.91	1.80	1.76	1.88
CRMS 0162	1.81	1.86	1.80	1.74	1.71	1.90	1.95	1.90	1.59	1.47	1.31	1.65

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.27	-0.25	-0.17	-0.08	-0.05	-0.05	0.00	0.01	0.00	0.00	0.07	0.03
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.02	-0.04	-0.06	-0.08	-0.09	-0.16	-0.11	-0.09	-0.08	-0.16	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.06	-0.06	-0.13	-0.13	-0.19	-0.32	-0.34	-0.16	-0.13	-0.09	-0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.22	-0.17	-0.11	-0.07	-0.05	-0.07	-0.04	-0.01	-0.03	-0.03	-0.02	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.44	-0.39	-0.30	-0.10	-0.05	-0.02	0.13	0.07	0.04	0.03	0.25	-0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.19	-0.18	-0.18	-0.10	-0.05	-0.05	-0.04	-0.01	-0.03	-0.02	-0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.11	-0.12	-0.13	-0.09	-0.06	-0.07	-0.08	-0.03	-0.04	-0.03	-0.07	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.15	-0.16	-0.17	-0.08	-0.05	-0.06	-0.07	-0.03	-0.02	-0.02	-0.01	0.03
HWQ14 - Lake Washington	-0.34	-0.32	-0.27	-0.10	-0.05	-0.04	0.05	0.04	0.02	0.02	0.13	0.10
HWQ16 - Bayou Grand Liard	-0.05	-0.05	-0.06	-0.05	-0.06	-0.07	-0.11	-0.06	-0.05	-0.04	-0.06	-0.03
CRMS 3985	-0.58	-0.52	-0.38	-0.12	-0.05	0.02	0.31	0.13	0.05	0.05	0.42	-0.43
CRMS 0258	-0.11	-0.05	-0.05	-0.06	-0.07	-0.06	-0.05	-0.03	-0.09	-0.08	-0.15	-0.17
CRMS 0224	-0.14	-0.10	-0.10	-0.08	-0.07	-0.08	-0.06	-0.03	-0.07	-0.06	-0.10	-0.09
CRMS 0163	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.08	-0.04	0.00	-0.01	-0.07	0.04
CRMS 0162	0.00	0.00	-0.02	-0.02	-0.03	-0.01	-0.03	0.00	0.01	0.04	-0.02	0.04

Figure WQ TOTN 159 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.20	0.91	0.82	0.78	0.71	0.65	0.66	0.64	0.65	0.78	1.03
CRMS0276 - Just east of Wilkinson Canal	1.44	1.52	1.64	1.74	1.74	1.49	1.18	1.03	1.31	1.06	1.06	1.59
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.85	1.91	1.84	1.86	1.81	1.63	1.84	1.68	1.60	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.30	0.97	0.97	0.93	0.83	0.66	0.63	0.65	0.65	0.77	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.06	0.99	0.70	0.58	0.56	0.59	0.65	0.72	0.75	0.88	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.23	0.99	0.86	0.73	0.66	0.61	0.62	0.65	0.63	0.70	1.00
USGS 07380335 - Little Lake Near Cutoff	1.25	1.27	1.11	1.04	0.89	0.75	0.71	0.71	0.74	0.67	0.70	1.05
USGS073802516 Barataria Pass at Grand Isle	1.22	1.22	0.95	0.89	0.80	0.72	0.69	0.67	0.65	0.61	0.66	0.97
HWQ14 - Lake Washington	1.25	1.13	0.86	0.65	0.57	0.54	0.53	0.54	0.60	0.61	0.72	0.99
HWQ16 - Bayou Grand Liard	1.16	1.23	1.26	1.27	1.29	1.11	1.00	0.88	0.85	0.68	0.69	1.11
CRMS 3985	1.35	0.98	1.14	0.71	0.56	0.57	0.61	0.77	0.87	0.89	1.03	1.37
CRMS 0258	1.43	1.43	1.37	1.34	1.31	1.15	0.93	0.86	0.94	0.86	0.93	1.31
CRMS 0224	1.31	1.34	1.15	1.17	1.09	0.89	0.69	0.65	0.79	0.72	0.76	1.09
CRMS 0163	1.86	1.91	1.88	1.94	1.84	1.96	1.92	1.85	1.91	1.78	1.80	1.86
CRMS 0162	1.74	1.63	1.79	1.79	1.77	1.94	2.00	1.90	1.48	1.19	1.35	1.82

V3PR9 HYST - cy 3 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.18	0.86	0.82	0.76	0.71	0.65	0.66	0.64	0.65	0.80	1.04
CRMS0276 - Just east of Wilkinson Canal	1.42	1.47	1.56	1.70	1.73	1.46	1.12	0.98	1.23	0.96	0.92	1.51
Barataria Waterway at Lafitte (USACE82875)	1.74	1.81	1.78	1.84	1.81	1.66	1.52	1.37	1.64	1.54	1.51	1.79
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.28	0.82	0.97	0.91	0.83	0.66	0.63	0.64	0.63	0.74	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.31	1.04	0.98	0.69	0.58	0.56	0.59	0.66	0.73	0.77	0.97	1.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.23	1.22	0.89	0.84	0.72	0.65	0.60	0.60	0.63	0.60	0.66	0.96
USGS 07380335 - Little Lake Near Cutoff	1.23	1.25	1.00	1.02	0.87	0.74	0.70	0.70	0.72	0.64	0.63	0.99
USGS073802516 Barataria Pass at Grand Isle	1.20	1.21	0.89	0.87	0.79	0.71	0.68	0.66	0.64	0.59	0.63	0.94
HWQ14 - Lake Washington	1.23	1.10	0.85	0.64	0.55	0.53	0.53	0.55	0.60	0.62	0.78	1.03
HWQ16 - Bayou Grand Liard	1.16	1.21	1.19	1.24	1.26	1.10	0.96	0.85	0.82	0.64	0.63	1.06
CRMS 3985	1.33	0.97	1.14	0.70	0.55	0.57	0.62	0.78	0.87	0.93	1.16	1.36
CRMS 0258	1.41	1.40	1.10	1.34	1.27	1.16	0.93	0.86	0.87	0.79	0.80	1.20
CRMS 0224	1.29	1.31	0.93	1.16	1.06	0.89	0.68	0.64	0.75	0.67	0.67	0.99
CRMS 0163	1.86	1.91	1.86	1.93	1.85	1.97	1.87	1.83	1.91	1.76	1.76	1.85
CRMS 0162	1.75	1.62	1.77	1.77	1.78	1.94	2.00	1.90	1.47	1.21	1.34	1.82

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.02	-0.05	-0.01	-0.01	0.00	0.00	0.01	0.00	0.00	0.02	0.00
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.05	-0.08	-0.04	-0.01	-0.03	-0.07	-0.06	-0.09	-0.09	-0.14	-0.08
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.05	-0.07	-0.07	-0.03	-0.19	-0.29	-0.26	-0.20	-0.14	-0.10	-0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.02	-0.15	0.00	-0.02	0.00	0.00	0.00	-0.02	-0.02	-0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.02	0.09	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.10	-0.02	-0.02	-0.01	-0.01	-0.01	-0.02	-0.02	-0.04	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.11	-0.02	-0.03	-0.01	-0.01	-0.01	-0.02	-0.03	-0.07	-0.06
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.06	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02	-0.03	-0.03
HWQ14 - Lake Washington	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.06	0.04
HWQ16 - Bayou Grand Liard	0.00	-0.02	-0.07	-0.03	-0.03	-0.01	-0.04	-0.03	-0.03	-0.03	-0.06	-0.05
CRMS 3985	-0.02	-0.01	0.00	-0.01	0.00	0.00	0.01	0.01	0.00	0.04	0.13	-0.01
CRMS 0258	-0.02	-0.04	-0.28	0.00	-0.04	0.02	0.01	0.00	-0.07	-0.07	-0.12	-0.12
CRMS 0224	-0.02	-0.03	-0.22	-0.01	-0.04	0.00	-0.01	-0.01	-0.04	-0.05	-0.09	-0.10
CRMS 0163	-0.01	0.00	-0.01	-0.01	0.01	0.01	-0.04	-0.02	0.00	-0.02	-0.04	-0.01
CRMS 0162	0.00	0.00	-0.02	-0.02	0.01	0.00	0.00	0.00	0.00	0.02	-0.01	0.00

Figure WQ TOTN 160 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.38	1.45	1.20	1.04	0.89	0.79	0.70	0.69	0.73	0.80	0.87	1.07
CRMS0276 - Just east of Wilkinson Canal	1.29	1.63	1.77	1.79	1.80	1.69	1.36	1.07	1.45	1.34	1.13	1.24
Barataria Waterway at Lafitte (USACE82875)	1.66	1.86	1.90	1.88	1.95	1.97	1.89	1.78	1.90	1.79	1.58	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.47	1.23	1.22	1.04	0.92	0.70	0.66	0.82	0.86	0.85	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.45	1.25	0.85	0.68	0.63	0.64	0.68	0.76	0.79	0.94	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.38	1.32	1.09	0.85	0.75	0.71	0.68	0.75	0.76	0.77	0.99
USGS 07380335 - Little Lake Near Cutoff	1.10	1.38	1.41	1.26	0.99	0.87	0.85	0.77	0.84	0.85	0.79	0.97
USGS073802516 Barataria Pass at Grand Isle	1.10	1.33	1.28	1.09	0.88	0.80	0.80	0.73	0.70	0.72	0.73	0.92
HWQ14 - Lake Washington	1.23	1.36	1.17	0.82	0.68	0.63	0.61	0.60	0.63	0.65	0.76	0.99
HWQ16 - Bayou Grand Liard	0.99	1.31	1.43	1.40	1.29	1.15	1.07	0.87	0.90	0.83	0.73	0.85
CRMS 3985	1.46	1.49	1.33	0.80	0.64	0.62	0.64	0.77	0.88	0.90	1.08	1.36
CRMS 0258	1.34	1.57	1.56	1.57	1.38	1.30	0.93	0.85	1.27	1.14	1.01	1.24
CRMS 0224	1.21	1.48	1.44	1.42	1.19	1.03	0.77	0.70	1.02	0.94	0.86	1.10
CRMS 0163	1.79	1.89	1.94	1.89	1.98	2.01	1.95	1.88	1.90	1.81	1.73	1.83
CRMS 0162	1.74	1.75	1.80	1.78	1.81	1.91	2.01	1.85	1.56	1.54	1.16	1.42

V3PR2 HYST - cy 4 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	1.95	1.98	1.93	1.99	1.99	1.99	1.94	1.91	1.95	1.91	1.90
CRMS0276 - Just east of Wilkinson Canal	1.37	1.63	1.75	1.79	1.73	1.59	1.33	1.15	1.49	1.38	1.17	1.25
Barataria Waterway at Lafitte (USACE82875)	1.67	1.85	1.90	1.88	1.95	1.96	1.86	1.74	1.93	1.82	1.58	1.74
USGS2928590900040000 Barataria Waterway South of Lafitte	1.78	1.80	1.85	1.81	1.91	1.90	1.86	1.46	1.24	1.46	1.72	1.75
USGS7380251 Barataria Bay North of Grand Isle	1.59	1.63	1.66	1.51	1.44	1.30	1.29	1.09	1.03	1.01	1.11	1.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.46	1.62	1.74	1.59	1.51	1.37	1.35	1.06	1.01	1.08	1.02	1.28
USGS 07380335 - Little Lake Near Cutoff	1.31	1.56	1.69	1.55	1.40	1.29	1.24	1.01	1.01	1.06	0.95	1.15
USGS073802516 Barataria Pass at Grand Isle	1.34	1.52	1.59	1.38	1.14	1.02	1.02	0.90	0.89	0.94	0.92	1.13
HWQ14 - Lake Washington	1.46	1.55	1.50	1.24	1.04	0.94	0.95	0.87	0.83	0.88	0.96	1.25
HWQ16 - Bayou Grand Liard	1.08	1.39	1.52	1.47	1.31	1.16	1.07	0.90	0.94	0.88	0.79	0.92
CRMS 3985	1.54	1.56	1.52	1.25	1.08	1.01	1.01	0.95	0.89	0.86	1.05	1.44
CRMS 0258	1.60	1.68	1.75	1.67	1.54	1.61	1.61	1.39	1.40	1.29	1.23	1.39
CRMS 0224	1.51	1.66	1.76	1.67	1.58	1.58	1.56	1.22	1.18	1.20	1.11	1.32
CRMS 0163	1.79	1.89	1.94	1.89	1.98	2.01	1.93	1.88	1.93	1.84	1.74	1.82
CRMS 0162	1.74	1.75	1.79	1.78	1.81	1.90	2.01	1.87	1.56	1.54	1.16	1.40

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.50	0.79	0.89	1.10	1.20	1.28	1.25	1.18	1.15	1.05	0.83
CRMS0276 - Just east of Wilkinson Canal	0.08	0.00	-0.01	0.00	-0.07	-0.10	-0.03	0.09	0.03	0.04	0.04	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.03	-0.03	0.03	0.03	0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.43	0.33	0.62	0.60	0.86	0.98	1.15	0.80	0.43	0.60	0.87	0.67
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.18	0.41	0.66	0.76	0.67	0.66	0.41	0.27	0.21	0.17	0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.24	0.41	0.50	0.66	0.62	0.63	0.38	0.26	0.32	0.25	0.28
USGS 07380335 - Little Lake Near Cutoff	0.21	0.18	0.28	0.30	0.42	0.42	0.39	0.24	0.17	0.22	0.16	0.19
USGS073802516 Barataria Pass at Grand Isle	0.24	0.19	0.31	0.29	0.26	0.22	0.22	0.17	0.19	0.21	0.19	0.21
HWQ14 - Lake Washington	0.22	0.19	0.33	0.42	0.36	0.31	0.34	0.26	0.20	0.23	0.20	0.25
HWQ16 - Bayou Grand Liard	0.10	0.08	0.09	0.07	0.02	0.01	-0.01	0.03	0.05	0.05	0.06	0.06
CRMS 3985	0.08	0.07	0.19	0.45	0.45	0.39	0.37	0.18	0.01	-0.04	-0.02	0.08
CRMS 0258	0.26	0.11	0.19	0.10	0.17	0.31	0.69	0.54	0.13	0.15	0.22	0.15
CRMS 0224	0.30	0.18	0.32	0.25	0.38	0.54	0.79	0.52	0.17	0.25	0.25	0.22
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.03	0.03	0.00	-0.01
CRMS 0162	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	-0.02

Figure WQ TOTN 161 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.48	1.16	0.99	0.91	0.80	0.67	0.65	0.63	0.66	0.80	1.09
CRMS0276 - Just east of Wilkinson Canal	1.40	1.73	1.80	1.82	1.85	1.44	0.88	0.79	1.14	0.96	1.14	1.48
Barataria Waterway at Lafitte (USACE82875)	1.72	1.90	1.92	1.95	1.98	1.90	1.72	1.57	1.81	1.58	1.63	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.39	1.51	1.22	1.15	1.09	0.93	0.68	0.61	0.64	0.66	0.76	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.18	0.80	0.68	0.64	0.65	0.75	0.76	0.75	0.93	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.44	1.32	1.02	0.86	0.74	0.62	0.56	0.64	0.61	0.67	1.05
USGS 07380335 - Little Lake Near Cutoff	1.20	1.46	1.43	1.18	1.01	0.82	0.66	0.57	0.68	0.63	0.69	1.07
USGS073802516 Barataria Pass at Grand Isle	1.19	1.40	1.29	1.02	0.89	0.77	0.63	0.55	0.60	0.57	0.64	0.99
HWQ14 - Lake Washington	1.27	1.38	1.13	0.77	0.67	0.63	0.59	0.58	0.61	0.60	0.72	1.01
HWQ16 - Bayou Grand Liard	1.10	1.41	1.48	1.36	1.33	0.96	0.67	0.62	0.72	0.59	0.69	1.02
CRMS 3985	1.47	1.47	1.23	0.75	0.63	0.63	0.72	0.99	0.92	0.90	1.10	1.36
CRMS 0258	1.43	1.64	1.56	1.52	1.46	1.24	0.80	0.65	0.96	0.80	0.94	1.39
CRMS 0224	1.30	1.55	1.45	1.35	1.25	1.00	0.67	0.58	0.79	0.69	0.75	1.19
CRMS 0163	1.83	1.92	1.95	1.97	2.00	1.98	1.81	1.72	1.80	1.58	1.81	1.87
CRMS 0162	1.75	1.84	1.84	1.79	1.82	1.81	1.96	1.55	1.07	0.91	1.29	1.72

V3PR2 HYST - cy 4 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.98	1.99	2.00	2.01	1.96	1.88	1.87	1.85	1.85	1.87	1.91
CRMS0276 - Just east of Wilkinson Canal	1.49	1.72	1.79	1.79	1.80	1.41	0.91	0.83	1.11	0.94	1.13	1.48
Barataria Waterway at Lafitte (USACE82875)	1.72	1.89	1.91	1.95	1.97	1.87	1.72	1.56	1.77	1.53	1.61	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.83	1.88	1.91	1.92	1.57	1.34	1.26	1.08	1.20	1.58	1.76
USGS7380251 Barataria Bay North of Grand Isle	1.62	1.67	1.68	1.54	1.49	1.00	0.84	0.88	0.93	0.89	1.15	1.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.57	1.71	1.76	1.61	1.57	1.04	0.77	0.70	0.79	0.75	0.89	1.42
USGS 07380335 - Little Lake Near Cutoff	1.45	1.66	1.71	1.53	1.47	1.06	0.75	0.66	0.77	0.71	0.80	1.31
USGS073802516 Barataria Pass at Grand Isle	1.46	1.61	1.61	1.34	1.20	0.95	0.71	0.63	0.71	0.67	0.79	1.23
HWQ14 - Lake Washington	1.52	1.58	1.51	1.22	1.09	0.87	0.74	0.69	0.75	0.74	0.92	1.31
HWQ16 - Bayou Grand Liard	1.19	1.49	1.56	1.41	1.36	1.02	0.69	0.64	0.73	0.61	0.71	1.08
CRMS 3985	1.53	1.57	1.52	1.24	1.14	0.90	0.82	0.97	0.98	0.95	1.19	1.48
CRMS 0258	1.70	1.72	1.77	1.64	1.62	1.32	1.03	0.90	1.01	0.89	1.06	1.56
CRMS 0224	1.63	1.72	1.78	1.66	1.64	1.19	0.87	0.77	0.89	0.80	0.94	1.48
CRMS 0163	1.83	1.92	1.95	1.97	2.00	1.97	1.82	1.72	1.78	1.52	1.80	1.87
CRMS 0162	1.75	1.83	1.84	1.76	1.81	1.81	1.96	1.56	1.06	0.88	1.28	1.71

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.50	0.83	1.01	1.10	1.15	1.20	1.23	1.22	1.18	1.07	0.82
CRMS0276 - Just east of Wilkinson Canal	0.09	-0.01	-0.01	-0.02	-0.05	-0.03	0.02	0.05	-0.03	-0.03	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	0.00	0.00	-0.03	0.00	-0.01	-0.04	-0.05	-0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.31	0.66	0.76	0.84	0.64	0.67	0.65	0.44	0.55	0.83	0.68
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.22	0.49	0.74	0.81	0.36	0.20	0.12	0.17	0.14	0.22	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.27	0.44	0.59	0.70	0.30	0.15	0.14	0.16	0.15	0.21	0.37
USGS 07380335 - Little Lake Near Cutoff	0.24	0.19	0.28	0.34	0.46	0.23	0.10	0.09	0.08	0.07	0.11	0.23
USGS073802516 Barataria Pass at Grand Isle	0.27	0.21	0.32	0.32	0.31	0.19	0.09	0.08	0.11	0.10	0.15	0.24
HWQ14 - Lake Washington	0.25	0.20	0.37	0.45	0.42	0.25	0.15	0.12	0.14	0.14	0.20	0.30
HWQ16 - Bayou Grand Liard	0.09	0.08	0.08	0.06	0.03	0.06	0.02	0.02	0.02	0.01	0.02	0.06
CRMS 3985	0.07	0.10	0.29	0.48	0.51	0.27	0.10	-0.02	0.06	0.05	0.09	0.11
CRMS 0258	0.27	0.08	0.21	0.12	0.16	0.08	0.23	0.26	0.05	0.08	0.12	0.18
CRMS 0224	0.32	0.17	0.33	0.31	0.39	0.19	0.20	0.19	0.10	0.11	0.18	0.29
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.00	-0.02	-0.06	-0.01	0.00
CRMS 0162	-0.01	0.00	0.00	-0.03	-0.01	0.00	-0.01	0.00	0.00	-0.04	-0.01	0.00

Figure WQ TOTN 162 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.09	0.91	0.82	0.71	0.62	0.62	0.57	0.60	0.88	1.15
CRMS0276 - Just east of Wilkinson Canal	1.24	1.62	1.57	1.63	1.62	1.26	0.65	0.56	0.81	0.97	1.30	1.44
Barataria Waterway at Lafitte (USACE82875)	1.59	1.84	1.87	1.90	1.89	1.88	1.42	1.26	1.22	1.72	1.71	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.42	1.08	1.09	0.98	0.84	0.61	0.57	0.52	0.55	0.84	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.38	1.24	0.75	0.62	0.59	0.76	0.79	0.75	0.76	0.99	1.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.35	1.19	0.93	0.75	0.65	0.55	0.50	0.54	0.53	0.76	1.11
USGS 07380335 - Little Lake Near Cutoff	1.10	1.36	1.24	1.06	0.85	0.71	0.54	0.46	0.53	0.54	0.80	1.12
USGS073802516 Barataria Pass at Grand Isle	1.11	1.30	1.15	0.91	0.74	0.64	0.52	0.46	0.51	0.50	0.72	1.05
HWQ14 - Lake Washington	1.25	1.31	1.14	0.72	0.59	0.55	0.58	0.56	0.60	0.58	0.76	1.08
HWQ16 - Bayou Grand Liard	0.97	1.29	1.21	1.14	1.03	0.80	0.53	0.50	0.55	0.54	0.80	1.02
CRMS 3985	1.43	1.42	1.36	0.73	0.59	0.64	1.00	1.07	0.91	0.92	1.16	1.40
CRMS 0258	1.30	1.55	1.31	1.47	1.35	1.08	0.64	0.55	0.68	0.70	1.11	1.36
CRMS 0224	1.21	1.45	1.24	1.26	1.11	0.89	0.57	0.50	0.58	0.59	0.88	1.21
CRMS 0163	1.74	1.87	1.91	1.88	1.93	1.87	1.52	1.47	1.24	1.74	1.85	1.86
CRMS 0162	1.58	1.70	1.55	1.45	1.48	1.51	1.44	1.09	0.71	1.11	1.46	1.70

V3PR2 HYST - cy 4 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.88	1.94	1.97	1.91	1.93	1.89	1.88	1.87	1.83	1.80	1.87	1.90
CRMS0276 - Just east of Wilkinson Canal	1.25	1.60	1.58	1.64	1.57	1.26	0.69	0.61	0.82	0.96	1.31	1.48
Barataria Waterway at Lafitte (USACE82875)	1.61	1.83	1.89	1.89	1.89	1.89	1.45	1.24	1.19	1.71	1.73	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.66	1.79	1.73	1.53	1.59	1.14	1.17	1.15	0.96	1.09	1.47	1.65
USGS7380251 Barataria Bay North of Grand Isle	0.98	1.42	1.35	1.14	1.08	0.73	0.73	0.86	0.87	0.86	1.05	0.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.09	1.47	1.38	1.19	1.15	0.77	0.65	0.61	0.68	0.67	0.92	1.19
USGS 07380335 - Little Lake Near Cutoff	1.07	1.42	1.32	1.21	1.08	0.80	0.61	0.52	0.62	0.62	0.89	1.19
USGS073802516 Barataria Pass at Grand Isle	1.02	1.34	1.23	1.06	0.89	0.73	0.58	0.52	0.60	0.59	0.83	1.08
HWQ14 - Lake Washington	0.95	1.27	1.17	0.95	0.80	0.67	0.63	0.65	0.69	0.69	0.88	0.96
HWQ16 - Bayou Grand Liard	0.97	1.29	1.24	1.17	1.03	0.83	0.54	0.51	0.59	0.56	0.83	1.05
CRMS 3985	0.88	1.29	1.25	0.98	0.82	0.70	0.79	1.05	0.94	0.95	0.94	0.70
CRMS 0258	1.37	1.62	1.43	1.51	1.38	1.13	0.84	0.77	0.75	0.79	1.20	1.49
CRMS 0224	1.21	1.56	1.41	1.37	1.31	0.98	0.73	0.66	0.69	0.70	1.01	1.35
CRMS 0163	1.75	1.87	1.94	1.89	1.93	1.88	1.57	1.47	1.22	1.73	1.88	1.89
CRMS 0162	1.58	1.70	1.56	1.49	1.50	1.55	1.47	1.11	0.71	1.08	1.47	1.73

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.52	0.55	0.88	1.00	1.11	1.18	1.26	1.25	1.26	1.20	0.98	0.75
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.01	0.01	0.01	-0.05	-0.01	0.04	0.05	0.01	0.00	0.01	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	-0.01	0.02	0.00	0.00	0.01	0.03	-0.02	-0.03	-0.01	0.02	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.33	0.36	0.65	0.43	0.61	0.30	0.57	0.57	0.44	0.54	0.63	0.51
USGS7380251 Barataria Bay North of Grand Isle	-0.39	0.03	0.11	0.39	0.47	0.14	-0.03	0.06	0.12	0.11	0.06	-0.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.08	0.12	0.19	0.26	0.40	0.12	0.09	0.11	0.14	0.14	0.16	0.07
USGS 07380335 - Little Lake Near Cutoff	-0.03	0.06	0.09	0.15	0.23	0.09	0.07	0.07	0.09	0.07	0.09	0.06
USGS073802516 Barataria Pass at Grand Isle	-0.09	0.04	0.08	0.15	0.15	0.08	0.05	0.06	0.10	0.09	0.11	0.03
HWQ14 - Lake Washington	-0.31	-0.04	0.03	0.22	0.21	0.12	0.04	0.08	0.10	0.12	0.11	-0.12
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.03	0.00	0.04	0.02	0.01	0.04	0.02	0.03	0.03
CRMS 3985	-0.55	-0.13	-0.11	0.25	0.23	0.06	-0.21	-0.02	0.03	0.03	-0.22	-0.70
CRMS 0258	0.07	0.07	0.12	0.04	0.03	0.06	0.20	0.23	0.07	0.09	0.09	0.13
CRMS 0224	0.00	0.11	0.17	0.10	0.21	0.09	0.15	0.16	0.11	0.11	0.13	0.13
CRMS 0163	0.01	0.00	0.03	0.01	0.00	0.01	0.04	0.00	-0.02	0.00	0.03	0.04
CRMS 0162	0.00	0.00	0.02	0.05	0.02	0.04	0.03	0.02	0.00	-0.02	0.01	0.03

Figure WQ TOTN 163 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.39	1.49	1.15	0.98	0.89	0.82	0.75	0.76	0.76	0.76	0.88	1.11
CRMS0276 - Just east of Wilkinson Canal	1.37	1.77	1.77	1.79	1.76	1.64	1.20	1.08	1.42	1.17	1.15	1.32
Barataria Waterway at Lafitte (USACE82875)	1.74	1.91	1.93	1.94	1.95	1.95	1.85	1.80	1.87	1.74	1.60	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.37	1.53	1.19	1.15	1.05	0.97	0.72	0.71	0.82	0.79	0.84	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.17	0.79	0.67	0.65	0.78	0.83	0.83	0.82	0.98	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.47	1.28	1.00	0.81	0.76	0.67	0.67	0.76	0.71	0.77	1.03
USGS 07380335 - Little Lake Near Cutoff	1.17	1.50	1.38	1.16	0.93	0.88	0.75	0.75	0.84	0.76	0.78	1.02
USGS073802516 Barataria Pass at Grand Isle	1.16	1.43	1.26	0.99	0.82	0.79	0.71	0.70	0.71	0.67	0.73	0.96
HWQ14 - Lake Washington	1.26	1.39	1.12	0.75	0.64	0.61	0.64	0.64	0.67	0.66	0.79	1.03
HWQ16 - Bayou Grand Liard	1.10	1.47	1.42	1.30	1.17	1.11	0.93	0.88	0.88	0.71	0.73	0.92
CRMS 3985	1.47	1.47	1.21	0.74	0.63	0.66	0.95	1.03	0.96	0.95	1.14	1.40
CRMS 0258	1.36	1.67	1.52	1.54	1.42	1.32	0.89	0.85	1.24	0.98	1.01	1.29
CRMS 0224	1.26	1.58	1.40	1.35	1.18	1.07	0.72	0.69	1.01	0.84	0.85	1.14
CRMS 0163	1.85	1.93	1.96	1.95	1.98	1.98	1.89	1.88	1.89	1.77	1.76	1.83
CRMS 0162	1.81	1.87	1.77	1.70	1.65	1.87	1.97	1.85	1.46	1.32	1.20	1.52

V3PR2 HYST - cy 4 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	1.99	1.99	1.99	1.98	1.93	1.89	1.86	1.90	1.89
CRMS0276 - Just east of Wilkinson Canal	1.45	1.76	1.77	1.77	1.72	1.56	1.22	1.16	1.44	1.20	1.17	1.34
Barataria Waterway at Lafitte (USACE82875)	1.72	1.90	1.93	1.93	1.93	1.94	1.84	1.78	1.90	1.75	1.59	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.83	1.84	1.95	1.90	1.89	1.86	1.82	1.50	1.17	1.27	1.67	1.71
USGS7380251 Barataria Bay North of Grand Isle	1.62	1.68	1.68	1.51	1.42	1.23	1.23	1.12	0.96	0.90	1.13	1.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.57	1.74	1.75	1.56	1.46	1.31	1.27	1.15	0.96	0.87	0.98	1.28
USGS 07380335 - Little Lake Near Cutoff	1.43	1.69	1.69	1.48	1.36	1.25	1.15	1.06	0.98	0.86	0.90	1.17
USGS073802516 Barataria Pass at Grand Isle	1.43	1.64	1.58	1.30	1.11	1.01	0.96	0.93	0.87	0.79	0.87	1.14
HWQ14 - Lake Washington	1.49	1.59	1.49	1.19	1.03	0.93	0.92	0.88	0.80	0.78	0.95	1.25
HWQ16 - Bayou Grand Liard	1.17	1.55	1.50	1.36	1.22	1.14	0.95	0.89	0.92	0.75	0.77	0.97
CRMS 3985	1.53	1.57	1.50	1.21	1.07	0.98	0.97	0.95	0.87	0.90	1.14	1.46
CRMS 0258	1.67	1.75	1.79	1.63	1.54	1.59	1.56	1.40	1.38	1.12	1.18	1.39
CRMS 0224	1.63	1.75	1.79	1.63	1.54	1.53	1.49	1.27	1.17	0.98	1.05	1.31
CRMS 0163	1.85	1.93	1.96	1.94	1.98	1.99	1.90	1.88	1.92	1.77	1.75	1.83
CRMS 0162	1.81	1.87	1.77	1.71	1.65	1.89	2.00	1.89	1.47	1.28	1.18	1.50

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.49	0.84	1.02	1.11	1.16	1.24	1.18	1.13	1.10	1.02	0.78
CRMS0276 - Just east of Wilkinson Canal	0.08	-0.01	0.00	-0.03	-0.04	-0.08	0.02	0.08	0.02	0.03	0.01	0.02
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.03	0.03	0.01	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.31	0.76	0.75	0.84	0.88	1.10	0.79	0.35	0.48	0.82	0.61
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.22	0.51	0.72	0.75	0.58	0.45	0.28	0.12	0.08	0.15	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.27	0.47	0.56	0.64	0.56	0.60	0.48	0.20	0.16	0.21	0.24
USGS 07380335 - Little Lake Near Cutoff	0.26	0.19	0.31	0.32	0.42	0.37	0.40	0.31	0.14	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.26	0.21	0.32	0.31	0.29	0.22	0.25	0.22	0.15	0.12	0.15	0.18
HWQ14 - Lake Washington	0.23	0.20	0.37	0.44	0.39	0.31	0.28	0.24	0.13	0.12	0.16	0.22
HWQ16 - Bayou Grand Liard	0.07	0.09	0.08	0.06	0.04	0.02	0.02	0.01	0.04	0.04	0.04	0.05
CRMS 3985	0.06	0.10	0.28	0.46	0.44	0.32	0.02	-0.08	-0.09	-0.05	0.00	0.06
CRMS 0258	0.31	0.08	0.27	0.09	0.12	0.26	0.67	0.55	0.14	0.13	0.17	0.10
CRMS 0224	0.37	0.17	0.39	0.28	0.35	0.46	0.77	0.58	0.16	0.14	0.20	0.18
CRMS 0163	-0.01	0.00	0.00	-0.01	0.00	0.01	0.01	0.01	0.03	0.00	-0.01	0.00
CRMS 0162	-0.01	0.00	0.00	0.01	0.00	0.02	0.03	0.03	0.02	-0.04	-0.01	-0.02

Figure WQ TOTN 164 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.34	1.13	1.03	0.91	0.81	0.69	0.68	0.67	0.70	0.81	1.11
CRMS0276 - Just east of Wilkinson Canal	1.48	1.53	1.68	1.80	1.78	1.57	1.21	1.00	1.34	1.07	1.10	1.61
Barataria Waterway at Lafitte (USACE82875)	1.76	1.83	1.88	1.94	1.85	1.92	1.88	1.73	1.87	1.70	1.58	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.42	1.41	1.18	1.21	1.11	0.93	0.68	0.64	0.73	0.74	0.78	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.25	1.17	0.84	0.67	0.63	0.63	0.67	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.35	1.20	1.06	0.88	0.76	0.67	0.64	0.70	0.66	0.70	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.35	1.29	1.22	1.05	0.88	0.77	0.72	0.77	0.70	0.70	1.13
USGS073802516 Barataria Pass at Grand Isle	1.26	1.31	1.15	1.05	0.91	0.81	0.74	0.69	0.66	0.62	0.66	1.02
HWQ14 - Lake Washington	1.29	1.27	1.05	0.80	0.67	0.63	0.60	0.58	0.61	0.61	0.73	1.00
HWQ16 - Bayou Grand Liard	1.18	1.25	1.31	1.35	1.34	1.16	0.98	0.82	0.82	0.66	0.68	1.13
CRMS 3985	1.35	1.23	1.28	0.81	0.62	0.61	0.63	0.77	0.87	0.89	1.08	1.35
CRMS 0258	1.49	1.53	1.49	1.56	1.53	1.19	0.86	0.80	1.14	0.93	0.95	1.44
CRMS 0224	1.37	1.45	1.35	1.40	1.30	1.00	0.71	0.66	0.93	0.79	0.78	1.24
CRMS 0163	1.85	1.86	1.91	1.96	1.86	1.97	1.94	1.85	1.88	1.71	1.77	1.90
CRMS 0162	1.68	1.47	1.73	1.74	1.73	1.92	2.01	1.83	1.35	1.11	1.24	1.84

V3PR2 HYST - cy 4 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	1.94	1.97	1.99	1.88	1.97	1.99	1.90	1.88	1.87	1.88	1.96
CRMS0276 - Just east of Wilkinson Canal	1.56	1.52	1.65	1.80	1.75	1.47	1.21	1.10	1.35	1.08	1.10	1.59
Barataria Waterway at Lafitte (USACE82875)	1.76	1.81	1.87	1.93	1.85	1.91	1.83	1.74	1.86	1.69	1.57	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.14	1.88	1.80	1.89	1.77	1.86	1.84	1.27	1.14	1.26	1.66	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.63	1.58	1.61	1.55	1.43	1.24	1.23	0.99	0.94	0.89	1.12	1.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.59	1.56	1.66	1.63	1.51	1.32	1.26	0.93	0.91	0.84	0.92	1.65
USGS 07380335 - Little Lake Near Cutoff	1.49	1.50	1.59	1.57	1.44	1.25	1.15	0.92	0.91	0.81	0.83	1.51
USGS073802516 Barataria Pass at Grand Isle	1.50	1.48	1.50	1.39	1.20	0.98	0.95	0.84	0.82	0.75	0.81	1.43
HWQ14 - Lake Washington	1.55	1.53	1.44	1.26	1.08	0.91	0.91	0.82	0.78	0.77	0.91	1.42
HWQ16 - Bayou Grand Liard	1.24	1.29	1.39	1.44	1.38	1.14	0.96	0.86	0.88	0.70	0.71	1.22
CRMS 3985	1.53	1.53	1.52	1.28	1.12	0.96	0.96	0.90	0.92	0.90	1.13	1.50
CRMS 0258	1.78	1.63	1.67	1.68	1.61	1.55	1.55	1.23	1.26	1.06	1.10	1.66
CRMS 0224	1.66	1.60	1.68	1.70	1.60	1.54	1.49	1.04	1.09	0.94	0.98	1.64
CRMS 0163	1.83	1.84	1.91	1.96	1.86	1.97	1.91	1.88	1.89	1.71	1.76	1.90
CRMS 0162	1.67	1.47	1.73	1.74	1.73	1.92	2.01	1.86	1.34	1.07	1.24	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.60	0.84	0.96	0.97	1.16	1.29	1.22	1.20	1.17	1.07	0.85
CRMS0276 - Just east of Wilkinson Canal	0.08	-0.01	-0.02	0.00	-0.03	-0.10	-0.01	0.10	0.01	0.01	0.00	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.03	-0.01	0.00	0.00	-0.01	-0.05	0.01	0.00	0.00	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.46	0.62	0.68	0.66	0.93	1.16	0.62	0.41	0.53	0.87	0.70
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.33	0.44	0.71	0.76	0.62	0.61	0.32	0.21	0.13	0.20	0.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.21	0.46	0.56	0.64	0.56	0.59	0.29	0.21	0.18	0.23	0.57
USGS 07380335 - Little Lake Near Cutoff	0.20	0.14	0.31	0.35	0.40	0.37	0.37	0.20	0.14	0.11	0.12	0.38
USGS073802516 Barataria Pass at Grand Isle	0.24	0.17	0.35	0.34	0.30	0.17	0.20	0.15	0.16	0.13	0.15	0.40
HWQ14 - Lake Washington	0.27	0.26	0.39	0.46	0.42	0.28	0.31	0.24	0.17	0.15	0.19	0.42
HWQ16 - Bayou Grand Liard	0.06	0.05	0.09	0.10	0.05	-0.02	-0.01	0.05	0.05	0.03	0.03	0.09
CRMS 3985	0.18	0.31	0.24	0.48	0.50	0.36	0.33	0.12	0.05	0.01	0.05	0.15
CRMS 0258	0.29	0.10	0.18	0.12	0.08	0.37	0.69	0.43	0.12	0.12	0.16	0.22
CRMS 0224	0.29	0.16	0.33	0.30	0.29	0.54	0.78	0.38	0.16	0.15	0.20	0.40
CRMS 0163	-0.02	-0.02	0.00	0.00	0.00	0.00	-0.03	0.03	0.01	0.00	-0.01	0.00
CRMS 0162	-0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.03	-0.01	-0.05	-0.01	0.00

Figure WQ TOTN 165 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.38	1.45	1.20	1.04	0.89	0.79	0.70	0.69	0.73	0.80	0.87	1.07
CRMS0276 - Just east of Wilkinson Canal	1.29	1.63	1.77	1.79	1.80	1.69	1.36	1.07	1.45	1.34	1.13	1.24
Barataria Waterway at Lafitte (USACE82875)	1.66	1.86	1.90	1.88	1.95	1.97	1.89	1.78	1.90	1.79	1.58	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.47	1.23	1.22	1.04	0.92	0.70	0.66	0.82	0.86	0.85	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.45	1.25	0.85	0.68	0.63	0.64	0.68	0.76	0.79	0.94	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.38	1.32	1.09	0.85	0.75	0.71	0.68	0.75	0.76	0.77	0.99
USGS 07380335 - Little Lake Near Cutoff	1.10	1.38	1.41	1.26	0.99	0.87	0.85	0.77	0.84	0.85	0.79	0.97
USGS073802516 Barataria Pass at Grand Isle	1.10	1.33	1.28	1.09	0.88	0.80	0.80	0.73	0.70	0.72	0.73	0.92
HWQ14 - Lake Washington	1.23	1.36	1.17	0.82	0.68	0.63	0.61	0.60	0.63	0.65	0.76	0.99
HWQ16 - Bayou Grand Liard	0.99	1.31	1.43	1.40	1.29	1.15	1.07	0.87	0.90	0.83	0.73	0.85
CRMS 3985	1.46	1.49	1.33	0.80	0.64	0.62	0.64	0.77	0.88	0.90	1.08	1.36
CRMS 0258	1.34	1.57	1.56	1.57	1.38	1.30	0.93	0.85	1.27	1.14	1.01	1.24
CRMS 0224	1.21	1.48	1.44	1.42	1.19	1.03	0.77	0.70	1.02	0.94	0.86	1.10
CRMS 0163	1.79	1.89	1.94	1.89	1.98	2.01	1.95	1.88	1.90	1.81	1.73	1.83
CRMS 0162	1.74	1.75	1.80	1.78	1.81	1.91	2.01	1.85	1.56	1.54	1.16	1.42

V3PR3 HYST - cy 4 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.95	1.99	1.93	1.99	1.99	1.99	1.96	1.93	1.97	1.93	1.91
CRMS0276 - Just east of Wilkinson Canal	1.37	1.62	1.75	1.79	1.73	1.58	1.32	1.14	1.49	1.36	1.15	1.26
Barataria Waterway at Lafitte (USACE82875)	1.66	1.85	1.90	1.87	1.95	1.96	1.86	1.72	1.93	1.80	1.56	1.73
USGS2928590900040000 Barataria Waterway South of Lafitte	1.78	1.81	1.87	1.83	1.92	1.91	1.88	1.51	1.28	1.46	1.69	1.74
USGS7380251 Barataria Bay North of Grand Isle	1.59	1.61	1.67	1.53	1.47	1.34	1.35	1.12	1.05	1.02	1.11	1.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.46	1.61	1.73	1.58	1.50	1.35	1.32	1.05	1.01	1.07	1.01	1.28
USGS 07380335 - Little Lake Near Cutoff	1.31	1.55	1.68	1.54	1.39	1.27	1.22	0.99	1.01	1.05	0.93	1.15
USGS073802516 Barataria Pass at Grand Isle	1.34	1.51	1.58	1.37	1.14	1.02	1.01	0.90	0.89	0.94	0.91	1.13
HWQ14 - Lake Washington	1.46	1.53	1.49	1.24	1.04	0.95	0.97	0.87	0.84	0.89	0.96	1.25
HWQ16 - Bayou Grand Liard	1.07	1.38	1.51	1.47	1.30	1.15	1.06	0.90	0.95	0.87	0.77	0.93
CRMS 3985	1.51	1.53	1.52	1.26	1.10	1.04	1.06	0.98	0.90	0.87	1.06	1.45
CRMS 0258	1.60	1.68	1.75	1.66	1.54	1.60	1.60	1.38	1.40	1.28	1.20	1.39
CRMS 0224	1.50	1.65	1.75	1.66	1.57	1.55	1.53	1.21	1.19	1.19	1.08	1.31
CRMS 0163	1.79	1.89	1.93	1.89	1.98	2.01	1.92	1.88	1.93	1.83	1.73	1.82
CRMS 0162	1.74	1.75	1.80	1.78	1.82	1.91	2.01	1.86	1.56	1.51	1.14	1.42

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.50	0.79	0.89	1.10	1.20	1.28	1.26	1.20	1.17	1.07	0.84
CRMS0276 - Just east of Wilkinson Canal	0.08	-0.01	-0.02	0.00	-0.07	-0.10	-0.04	0.08	0.03	0.02	0.02	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.04	-0.05	0.03	0.01	-0.01	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.43	0.34	0.63	0.61	0.88	0.99	1.18	0.84	0.46	0.60	0.85	0.66
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.17	0.41	0.68	0.79	0.71	0.71	0.44	0.29	0.23	0.18	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.22	0.40	0.49	0.65	0.60	0.61	0.37	0.26	0.32	0.24	0.28
USGS 07380335 - Little Lake Near Cutoff	0.21	0.17	0.26	0.29	0.41	0.40	0.37	0.23	0.17	0.21	0.14	0.18
USGS073802516 Barataria Pass at Grand Isle	0.24	0.18	0.29	0.28	0.25	0.21	0.21	0.16	0.19	0.21	0.18	0.21
HWQ14 - Lake Washington	0.22	0.17	0.32	0.42	0.36	0.32	0.36	0.27	0.21	0.24	0.20	0.26
HWQ16 - Bayou Grand Liard	0.09	0.07	0.08	0.07	0.01	0.00	-0.02	0.03	0.05	0.04	0.05	0.07
CRMS 3985	0.05	0.04	0.20	0.46	0.47	0.42	0.41	0.21	0.03	-0.03	-0.02	0.09
CRMS 0258	0.26	0.10	0.19	0.09	0.16	0.30	0.67	0.53	0.13	0.14	0.19	0.15
CRMS 0224	0.29	0.17	0.31	0.25	0.37	0.52	0.76	0.50	0.17	0.24	0.23	0.22
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.03	0.02	0.00	-0.01
CRMS 0162	0.00	0.00	-0.01	0.01	0.00	0.01	0.00	0.01	0.00	-0.03	-0.01	0.00

Figure WQ TOTN 166 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.48	1.16	0.99	0.91	0.80	0.67	0.65	0.63	0.66	0.80	1.09
CRMS0276 - Just east of Wilkinson Canal	1.40	1.73	1.80	1.82	1.85	1.44	0.88	0.79	1.14	0.96	1.14	1.48
Barataria Waterway at Lafitte (USACE82875)	1.72	1.90	1.92	1.95	1.98	1.90	1.72	1.57	1.81	1.58	1.63	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.39	1.51	1.22	1.15	1.09	0.93	0.68	0.61	0.64	0.66	0.76	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.18	0.80	0.68	0.64	0.65	0.75	0.76	0.75	0.93	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.44	1.32	1.02	0.86	0.74	0.62	0.56	0.64	0.61	0.67	1.05
USGS 07380335 - Little Lake Near Cutoff	1.20	1.46	1.43	1.18	1.01	0.82	0.66	0.57	0.68	0.63	0.69	1.07
USGS073802516 Barataria Pass at Grand Isle	1.19	1.40	1.29	1.02	0.89	0.77	0.63	0.55	0.60	0.57	0.64	0.99
HWQ14 - Lake Washington	1.27	1.38	1.13	0.77	0.67	0.63	0.59	0.58	0.61	0.60	0.72	1.01
HWQ16 - Bayou Grand Liard	1.10	1.41	1.48	1.36	1.33	0.96	0.67	0.62	0.72	0.59	0.69	1.02
CRMS 3985	1.47	1.47	1.23	0.75	0.63	0.63	0.72	0.99	0.92	0.90	1.10	1.36
CRMS 0258	1.43	1.64	1.56	1.52	1.46	1.24	0.80	0.65	0.96	0.80	0.94	1.39
CRMS 0224	1.30	1.55	1.45	1.35	1.25	1.00	0.67	0.58	0.79	0.69	0.75	1.19
CRMS 0163	1.83	1.92	1.95	1.97	2.00	1.98	1.81	1.72	1.80	1.58	1.81	1.87
CRMS 0162	1.75	1.84	1.84	1.79	1.82	1.81	1.96	1.55	1.07	0.91	1.29	1.72

V3PR3 HYST - cy 4 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.97	1.99	2.00	2.01	1.97	1.91	1.90	1.87	1.90	1.89	1.92
CRMS0276 - Just east of Wilkinson Canal	1.48	1.71	1.78	1.79	1.79	1.41	0.89	0.83	1.13	0.97	1.15	1.47
Barataria Waterway at Lafitte (USACE82875)	1.72	1.89	1.91	1.95	1.97	1.87	1.71	1.56	1.79	1.57	1.63	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.84	1.90	1.92	1.94	1.57	1.35	1.29	1.11	1.21	1.57	1.76
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.67	1.69	1.57	1.52	1.02	0.86	0.90	0.94	0.90	1.01	1.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.54	1.70	1.75	1.60	1.55	1.04	0.77	0.71	0.80	0.76	0.88	1.38
USGS 07380335 - Little Lake Near Cutoff	1.42	1.65	1.70	1.52	1.46	1.05	0.75	0.66	0.77	0.71	0.81	1.28
USGS073802516 Barataria Pass at Grand Isle	1.43	1.59	1.59	1.34	1.20	0.95	0.71	0.63	0.71	0.68	0.78	1.19
HWQ14 - Lake Washington	1.49	1.57	1.50	1.22	1.10	0.88	0.75	0.71	0.76	0.75	0.85	1.23
HWQ16 - Bayou Grand Liard	1.17	1.49	1.55	1.42	1.35	1.01	0.68	0.64	0.74	0.62	0.73	1.07
CRMS 3985	1.51	1.57	1.53	1.25	1.16	0.92	0.84	0.99	0.99	0.94	0.96	1.40
CRMS 0258	1.69	1.72	1.76	1.63	1.61	1.32	1.01	0.89	1.01	0.90	1.09	1.56
CRMS 0224	1.60	1.72	1.78	1.65	1.63	1.18	0.86	0.77	0.89	0.81	0.95	1.47
CRMS 0163	1.83	1.92	1.94	1.97	2.00	1.96	1.81	1.72	1.78	1.59	1.80	1.87
CRMS 0162	1.75	1.84	1.83	1.78	1.81	1.81	1.95	1.53	1.04	0.91	1.29	1.71

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.50	0.83	1.01	1.10	1.17	1.24	1.25	1.24	1.24	1.09	0.83
CRMS0276 - Just east of Wilkinson Canal	0.07	-0.02	-0.02	-0.02	-0.06	-0.04	0.01	0.05	-0.01	0.00	0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	-0.01	0.00	-0.03	-0.02	-0.01	-0.03	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.33	0.68	0.77	0.85	0.65	0.67	0.67	0.47	0.56	0.81	0.67
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.22	0.50	0.77	0.84	0.38	0.21	0.15	0.18	0.15	0.09	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.26	0.43	0.58	0.69	0.30	0.15	0.14	0.16	0.15	0.20	0.33
USGS 07380335 - Little Lake Near Cutoff	0.22	0.18	0.27	0.33	0.45	0.23	0.09	0.09	0.09	0.08	0.12	0.20
USGS073802516 Barataria Pass at Grand Isle	0.24	0.20	0.31	0.31	0.31	0.18	0.08	0.08	0.11	0.11	0.14	0.20
HWQ14 - Lake Washington	0.22	0.19	0.37	0.45	0.43	0.25	0.16	0.13	0.15	0.15	0.13	0.22
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.06	0.02	0.05	0.01	0.02	0.02	0.03	0.04	0.05
CRMS 3985	0.05	0.10	0.30	0.50	0.53	0.29	0.12	0.01	0.07	0.04	-0.14	0.04
CRMS 0258	0.26	0.08	0.20	0.11	0.15	0.07	0.22	0.25	0.05	0.09	0.15	0.17
CRMS 0224	0.30	0.16	0.33	0.30	0.38	0.19	0.19	0.18	0.10	0.11	0.19	0.27
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.02	0.01	0.00	-0.02	0.01	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	0.00	-0.01	0.00	-0.01	-0.02	-0.02	-0.01	0.00	0.00

Figure WQ TOTN 167 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.09	0.91	0.82	0.71	0.62	0.62	0.57	0.60	0.88	1.15
CRMS0276 - Just east of Wilkinson Canal	1.24	1.62	1.57	1.63	1.62	1.26	0.65	0.56	0.81	0.97	1.30	1.44
Barataria Waterway at Lafitte (USACE82875)	1.59	1.84	1.87	1.90	1.89	1.88	1.42	1.26	1.22	1.72	1.71	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.42	1.08	1.09	0.98	0.84	0.61	0.57	0.52	0.55	0.84	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.38	1.24	0.75	0.62	0.59	0.76	0.79	0.75	0.76	0.99	1.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.35	1.19	0.93	0.75	0.65	0.55	0.50	0.54	0.53	0.76	1.11
USGS 07380335 - Little Lake Near Cutoff	1.10	1.36	1.24	1.06	0.85	0.71	0.54	0.46	0.53	0.54	0.80	1.12
USGS073802516 Barataria Pass at Grand Isle	1.11	1.30	1.15	0.91	0.74	0.64	0.52	0.46	0.51	0.50	0.72	1.05
HWQ14 - Lake Washington	1.25	1.31	1.14	0.72	0.59	0.55	0.58	0.56	0.60	0.58	0.76	1.08
HWQ16 - Bayou Grand Liard	0.97	1.29	1.21	1.14	1.03	0.80	0.53	0.50	0.55	0.54	0.80	1.02
CRMS 3985	1.43	1.42	1.36	0.73	0.59	0.64	1.00	1.07	0.91	0.92	1.16	1.40
CRMS 0258	1.30	1.55	1.31	1.47	1.35	1.08	0.64	0.55	0.68	0.70	1.11	1.36
CRMS 0224	1.21	1.45	1.24	1.26	1.11	0.89	0.57	0.50	0.58	0.59	0.88	1.21
CRMS 0163	1.74	1.87	1.91	1.88	1.93	1.87	1.52	1.47	1.24	1.74	1.85	1.86
CRMS 0162	1.58	1.70	1.55	1.45	1.48	1.51	1.44	1.09	0.71	1.11	1.46	1.70

V3PR3 HYST - cy 4 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	1.95	1.97	1.92	1.93	1.91	1.92	1.90	1.86	1.84	1.85	1.89
CRMS0276 - Just east of Wilkinson Canal	1.29	1.61	1.57	1.63	1.58	1.25	0.68	0.60	0.82	0.96	1.29	1.45
Barataria Waterway at Lafitte (USACE82875)	1.59	1.83	1.88	1.89	1.88	1.89	1.42	1.18	1.17	1.70	1.70	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.72	1.80	1.74	1.53	1.62	1.14	1.18	1.16	0.98	1.09	1.43	1.66
USGS7380251 Barataria Bay North of Grand Isle	1.55	1.59	1.46	1.18	1.11	0.74	0.74	0.86	0.88	0.87	1.18	1.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.36	1.56	1.44	1.21	1.13	0.77	0.64	0.60	0.67	0.67	0.93	1.35
USGS 07380335 - Little Lake Near Cutoff	1.21	1.50	1.38	1.22	1.07	0.79	0.61	0.52	0.61	0.61	0.88	1.26
USGS073802516 Barataria Pass at Grand Isle	1.26	1.46	1.31	1.09	0.90	0.72	0.58	0.51	0.60	0.59	0.84	1.21
HWQ14 - Lake Washington	1.43	1.49	1.29	1.00	0.82	0.67	0.63	0.65	0.70	0.70	0.94	1.30
HWQ16 - Bayou Grand Liard	0.99	1.33	1.25	1.18	1.03	0.82	0.54	0.52	0.59	0.56	0.82	1.06
CRMS 3985	1.52	1.52	1.39	1.06	0.86	0.72	0.79	1.05	0.94	0.96	1.24	1.50
CRMS 0258	1.50	1.64	1.44	1.50	1.37	1.12	0.83	0.76	0.75	0.78	1.19	1.50
CRMS 0224	1.39	1.60	1.44	1.37	1.30	0.98	0.72	0.65	0.69	0.69	1.00	1.39
CRMS 0163	1.73	1.87	1.93	1.88	1.93	1.89	1.55	1.43	1.20	1.73	1.84	1.85
CRMS 0162	1.56	1.69	1.56	1.50	1.51	1.54	1.47	1.08	0.71	1.11	1.46	1.70

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.57	0.55	0.88	1.01	1.11	1.20	1.30	1.28	1.28	1.23	0.97	0.74
CRMS0276 - Just east of Wilkinson Canal	0.06	-0.01	0.00	0.00	-0.04	-0.02	0.03	0.05	0.01	0.00	-0.02	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	0.01	-0.01	-0.01	0.00	0.00	-0.07	-0.05	-0.02	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.40	0.38	0.67	0.44	0.63	0.30	0.58	0.59	0.46	0.54	0.59	0.52
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.20	0.22	0.43	0.49	0.15	-0.02	0.07	0.12	0.11	0.18	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.22	0.25	0.28	0.39	0.12	0.09	0.11	0.14	0.14	0.17	0.23
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.14	0.17	0.22	0.09	0.06	0.06	0.08	0.07	0.08	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.17	0.15	0.08	0.05	0.06	0.09	0.09	0.12	0.16
HWQ14 - Lake Washington	0.18	0.19	0.16	0.28	0.23	0.12	0.04	0.09	0.10	0.12	0.17	0.22
HWQ16 - Bayou Grand Liard	0.02	0.04	0.04	0.04	0.00	0.03	0.01	0.02	0.04	0.02	0.02	0.04
CRMS 3985	0.09	0.10	0.04	0.33	0.27	0.07	-0.21	-0.02	0.03	0.04	0.07	0.10
CRMS 0258	0.19	0.08	0.13	0.03	0.02	0.05	0.19	0.22	0.06	0.08	0.08	0.13
CRMS 0224	0.18	0.15	0.20	0.10	0.19	0.09	0.15	0.15	0.10	0.10	0.12	0.18
CRMS 0163	-0.01	-0.01	0.02	0.00	0.00	0.01	0.03	-0.04	-0.03	-0.01	-0.01	0.00
CRMS 0162	-0.02	-0.01	0.01	0.05	0.03	0.03	0.03	0.00	0.00	0.00	0.00	-0.01

Figure WQ TOTN 168 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.39	1.49	1.15	0.98	0.89	0.82	0.75	0.76	0.76	0.76	0.88	1.11
CRMS0276 - Just east of Wilkinson Canal	1.37	1.77	1.77	1.79	1.76	1.64	1.20	1.08	1.42	1.17	1.15	1.32
Barataria Waterway at Lafitte (USACE82875)	1.74	1.91	1.93	1.94	1.95	1.95	1.85	1.80	1.87	1.74	1.60	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.37	1.53	1.19	1.15	1.05	0.97	0.72	0.71	0.82	0.79	0.84	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.17	0.79	0.67	0.65	0.78	0.83	0.83	0.82	0.98	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.47	1.28	1.00	0.81	0.76	0.67	0.67	0.76	0.71	0.77	1.03
USGS 07380335 - Little Lake Near Cutoff	1.17	1.50	1.38	1.16	0.93	0.88	0.75	0.75	0.84	0.76	0.78	1.02
USGS073802516 Barataria Pass at Grand Isle	1.16	1.43	1.26	0.99	0.82	0.79	0.71	0.70	0.71	0.67	0.73	0.96
HWQ14 - Lake Washington	1.26	1.39	1.12	0.75	0.64	0.61	0.64	0.64	0.67	0.66	0.79	1.03
HWQ16 - Bayou Grand Liard	1.10	1.47	1.42	1.30	1.17	1.11	0.93	0.88	0.88	0.71	0.73	0.92
CRMS 3985	1.47	1.47	1.21	0.74	0.63	0.66	0.95	1.03	0.96	0.95	1.14	1.40
CRMS 0258	1.36	1.67	1.52	1.54	1.42	1.32	0.89	0.85	1.24	0.98	1.01	1.29
CRMS 0224	1.26	1.58	1.40	1.35	1.18	1.07	0.72	0.69	1.01	0.84	0.85	1.14
CRMS 0163	1.85	1.93	1.96	1.95	1.98	1.98	1.89	1.88	1.89	1.77	1.76	1.83
CRMS 0162	1.81	1.87	1.77	1.70	1.65	1.87	1.97	1.85	1.46	1.32	1.20	1.52

V3PR3 HYST - cy 4 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.98	1.99	1.99	2.00	1.99	1.98	1.95	1.91	1.92	1.92	1.90
CRMS0276 - Just east of Wilkinson Canal	1.45	1.76	1.76	1.77	1.72	1.56	1.20	1.15	1.45	1.22	1.18	1.34
Barataria Waterway at Lafitte (USACE82875)	1.72	1.90	1.92	1.93	1.94	1.94	1.83	1.76	1.90	1.78	1.61	1.77
USGS2928590900040000 Barataria Waterway South of Lafitte	1.82	1.86	1.94	1.92	1.92	1.88	1.86	1.55	1.19	1.27	1.65	1.69
USGS7380251 Barataria Bay North of Grand Isle	1.62	1.69	1.70	1.53	1.45	1.27	1.28	1.16	0.97	0.89	1.02	1.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.55	1.73	1.74	1.55	1.44	1.29	1.25	1.14	0.96	0.87	0.96	1.24
USGS 07380335 - Little Lake Near Cutoff	1.41	1.68	1.68	1.47	1.34	1.23	1.13	1.04	0.98	0.86	0.90	1.15
USGS073802516 Barataria Pass at Grand Isle	1.41	1.63	1.57	1.29	1.11	1.01	0.95	0.92	0.87	0.79	0.86	1.11
HWQ14 - Lake Washington	1.47	1.59	1.49	1.19	1.04	0.94	0.93	0.89	0.81	0.77	0.88	1.18
HWQ16 - Bayou Grand Liard	1.17	1.54	1.50	1.36	1.21	1.13	0.94	0.88	0.93	0.76	0.77	0.97
CRMS 3985	1.52	1.58	1.51	1.23	1.10	1.01	1.01	0.99	0.89	0.85	0.95	1.39
CRMS 0258	1.66	1.74	1.78	1.62	1.54	1.58	1.55	1.39	1.38	1.12	1.19	1.40
CRMS 0224	1.61	1.75	1.78	1.61	1.53	1.50	1.45	1.26	1.17	0.98	1.06	1.30
CRMS 0163	1.84	1.93	1.96	1.94	1.98	1.98	1.90	1.88	1.92	1.80	1.76	1.83
CRMS 0162	1.81	1.87	1.75	1.72	1.65	1.88	2.01	1.89	1.46	1.38	1.20	1.50

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.49	0.84	1.02	1.11	1.16	1.24	1.19	1.15	1.15	1.04	0.79
CRMS0276 - Just east of Wilkinson Canal	0.07	-0.01	-0.01	-0.03	-0.04	-0.09	0.00	0.07	0.03	0.06	0.03	0.02
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.05	0.02	0.03	0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.45	0.33	0.75	0.76	0.86	0.91	1.14	0.84	0.37	0.48	0.81	0.59
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.23	0.53	0.74	0.78	0.63	0.50	0.32	0.13	0.07	0.03	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.34	0.26	0.46	0.55	0.63	0.54	0.58	0.46	0.20	0.16	0.19	0.21
USGS 07380335 - Little Lake Near Cutoff	0.24	0.18	0.30	0.31	0.41	0.35	0.38	0.29	0.15	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.24	0.20	0.32	0.31	0.29	0.22	0.24	0.22	0.16	0.12	0.13	0.14
HWQ14 - Lake Washington	0.20	0.20	0.37	0.45	0.39	0.33	0.29	0.25	0.14	0.12	0.10	0.16
HWQ16 - Bayou Grand Liard	0.06	0.07	0.08	0.06	0.04	0.01	0.01	0.01	0.05	0.05	0.04	0.05
CRMS 3985	0.05	0.11	0.30	0.48	0.47	0.35	0.07	-0.04	-0.07	-0.10	-0.19	0.00
CRMS 0258	0.30	0.08	0.26	0.08	0.12	0.25	0.65	0.54	0.14	0.14	0.18	0.11
CRMS 0224	0.35	0.16	0.38	0.27	0.35	0.44	0.73	0.56	0.16	0.15	0.20	0.17
CRMS 0163	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.03	0.03	0.00	0.00
CRMS 0162	0.00	0.00	-0.02	0.02	0.00	0.02	0.03	0.03	0.01	0.06	0.00	-0.02

Figure WQ TOTN 169 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.34	1.13	1.03	0.91	0.81	0.69	0.68	0.67	0.70	0.81	1.11
CRMS0276 - Just east of Wilkinson Canal	1.48	1.53	1.68	1.80	1.78	1.57	1.21	1.00	1.34	1.07	1.10	1.61
Barataria Waterway at Lafitte (USACE82875)	1.76	1.83	1.88	1.94	1.85	1.92	1.88	1.73	1.87	1.70	1.58	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.42	1.41	1.18	1.21	1.11	0.93	0.68	0.64	0.73	0.74	0.78	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.25	1.17	0.84	0.67	0.63	0.63	0.67	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.35	1.20	1.06	0.88	0.76	0.67	0.64	0.70	0.66	0.70	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.35	1.29	1.22	1.05	0.88	0.77	0.72	0.77	0.70	0.70	1.13
USGS073802516 Barataria Pass at Grand Isle	1.26	1.31	1.15	1.05	0.91	0.81	0.74	0.69	0.66	0.62	0.66	1.02
HWQ14 - Lake Washington	1.29	1.27	1.05	0.80	0.67	0.63	0.60	0.58	0.61	0.61	0.73	1.00
HWQ16 - Bayou Grand Liard	1.18	1.25	1.31	1.35	1.34	1.16	0.98	0.82	0.82	0.66	0.68	1.13
CRMS 3985	1.35	1.23	1.28	0.81	0.62	0.61	0.63	0.77	0.87	0.89	1.08	1.35
CRMS 0258	1.49	1.53	1.49	1.56	1.53	1.19	0.86	0.80	1.14	0.93	0.95	1.44
CRMS 0224	1.37	1.45	1.35	1.40	1.30	1.00	0.71	0.66	0.93	0.79	0.78	1.24
CRMS 0163	1.85	1.86	1.91	1.96	1.86	1.97	1.94	1.85	1.88	1.71	1.77	1.90
CRMS 0162	1.68	1.47	1.73	1.74	1.73	1.92	2.01	1.83	1.35	1.11	1.24	1.84

V3PR3 HYST - cy 4 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	1.95	1.97	1.99	1.88	1.97	1.99	1.93	1.90	1.90	1.90	1.96
CRMS0276 - Just east of Wilkinson Canal	1.55	1.52	1.66	1.79	1.75	1.47	1.19	1.07	1.36	1.10	1.10	1.59
Barataria Waterway at Lafitte (USACE82875)	1.75	1.80	1.87	1.93	1.85	1.91	1.82	1.70	1.87	1.68	1.56	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	2.14	1.88	1.82	1.90	1.78	1.87	1.87	1.30	1.17	1.27	1.65	1.84
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.58	1.62	1.57	1.45	1.28	1.28	1.01	0.95	0.90	1.14	1.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.58	1.55	1.66	1.61	1.50	1.31	1.24	0.92	0.90	0.85	0.93	1.64
USGS 07380335 - Little Lake Near Cutoff	1.47	1.48	1.59	1.56	1.43	1.23	1.13	0.90	0.91	0.83	0.83	1.50
USGS073802516 Barataria Pass at Grand Isle	1.49	1.47	1.49	1.38	1.20	0.98	0.94	0.82	0.81	0.76	0.82	1.43
HWQ14 - Lake Washington	1.56	1.52	1.44	1.27	1.09	0.92	0.92	0.82	0.79	0.77	0.93	1.43
HWQ16 - Bayou Grand Liard	1.21	1.29	1.39	1.42	1.37	1.13	0.96	0.83	0.88	0.71	0.71	1.22
CRMS 3985	1.54	1.54	1.53	1.30	1.14	0.99	1.00	0.92	0.93	0.92	1.16	1.52
CRMS 0258	1.78	1.62	1.66	1.68	1.61	1.54	1.54	1.21	1.25	1.07	1.11	1.66
CRMS 0224	1.66	1.59	1.68	1.68	1.59	1.52	1.45	1.02	1.08	0.95	0.98	1.64
CRMS 0163	1.82	1.84	1.91	1.96	1.86	1.97	1.91	1.85	1.89	1.69	1.76	1.89
CRMS 0162	1.66	1.46	1.73	1.75	1.72	1.92	2.01	1.86	1.32	1.07	1.23	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.61	0.84	0.96	0.97	1.16	1.29	1.25	1.22	1.19	1.09	0.85
CRMS0276 - Just east of Wilkinson Canal	0.07	-0.01	-0.02	-0.01	-0.03	-0.10	-0.02	0.07	0.02	0.03	0.00	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.03	-0.01	-0.01	0.00	-0.01	-0.06	-0.03	0.00	-0.01	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.47	0.64	0.69	0.68	0.94	1.19	0.66	0.44	0.53	0.87	0.72
USGS7380251 Barataria Bay North of Grand Isle	0.28	0.33	0.45	0.72	0.78	0.66	0.65	0.33	0.22	0.14	0.22	0.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.28	0.20	0.45	0.55	0.62	0.54	0.57	0.28	0.21	0.18	0.23	0.57
USGS 07380335 - Little Lake Near Cutoff	0.19	0.13	0.30	0.34	0.39	0.35	0.35	0.18	0.14	0.12	0.12	0.38
USGS073802516 Barataria Pass at Grand Isle	0.23	0.16	0.34	0.34	0.29	0.17	0.20	0.14	0.16	0.14	0.16	0.41
HWQ14 - Lake Washington	0.27	0.26	0.39	0.47	0.42	0.29	0.33	0.24	0.18	0.16	0.20	0.43
HWQ16 - Bayou Grand Liard	0.03	0.04	0.09	0.08	0.03	-0.03	-0.02	0.01	0.06	0.05	0.03	0.09
CRMS 3985	0.19	0.31	0.25	0.49	0.52	0.38	0.37	0.14	0.06	0.02	0.08	0.17
CRMS 0258	0.29	0.09	0.18	0.12	0.08	0.35	0.67	0.41	0.11	0.14	0.16	0.22
CRMS 0224	0.28	0.15	0.33	0.29	0.29	0.52	0.74	0.36	0.15	0.16	0.21	0.40
CRMS 0163	-0.03	-0.02	0.00	0.00	0.00	0.00	-0.04	0.00	0.01	-0.02	-0.01	0.00
CRMS 0162	-0.02	-0.01	0.00	0.01	-0.01	0.00	0.00	0.02	-0.03	-0.04	-0.01	-0.01

Figure WQ TOTN 170 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.38	1.45	1.20	1.04	0.89	0.79	0.70	0.69	0.73	0.80	0.87	1.07
CRMS0276 - Just east of Wilkinson Canal	1.29	1.63	1.77	1.79	1.80	1.69	1.36	1.07	1.45	1.34	1.13	1.24
Barataria Waterway at Lafitte (USACE82875)	1.66	1.86	1.90	1.88	1.95	1.97	1.89	1.78	1.90	1.79	1.58	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.47	1.23	1.22	1.04	0.92	0.70	0.66	0.82	0.86	0.85	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.45	1.25	0.85	0.68	0.63	0.64	0.68	0.76	0.79	0.94	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.38	1.32	1.09	0.85	0.75	0.71	0.68	0.75	0.76	0.77	0.99
USGS 07380335 - Little Lake Near Cutoff	1.10	1.38	1.41	1.26	0.99	0.87	0.85	0.77	0.84	0.85	0.79	0.97
USGS073802516 Barataria Pass at Grand Isle	1.10	1.33	1.28	1.09	0.88	0.80	0.80	0.73	0.70	0.72	0.73	0.92
HWQ14 - Lake Washington	1.23	1.36	1.17	0.82	0.68	0.63	0.61	0.60	0.63	0.65	0.76	0.99
HWQ16 - Bayou Grand Liard	0.99	1.31	1.43	1.40	1.29	1.15	1.07	0.87	0.90	0.83	0.73	0.85
CRMS 3985	1.46	1.49	1.33	0.80	0.64	0.62	0.64	0.77	0.88	0.90	1.08	1.36
CRMS 0258	1.34	1.57	1.56	1.57	1.38	1.30	0.93	0.85	1.27	1.14	1.01	1.24
CRMS 0224	1.21	1.48	1.44	1.42	1.19	1.03	0.77	0.70	1.02	0.94	0.86	1.10
CRMS 0163	1.79	1.89	1.94	1.89	1.98	2.01	1.95	1.88	1.90	1.81	1.73	1.83
CRMS 0162	1.74	1.75	1.80	1.78	1.81	1.91	2.01	1.85	1.56	1.54	1.16	1.42

V3PR4 HYST - cy 4 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.96	1.99	1.93	2.00	2.00	1.99	1.95	1.94	1.97	1.93	1.91
CRMS0276 - Just east of Wilkinson Canal	1.40	1.63	1.76	1.80	1.71	1.58	1.38	1.20	1.53	1.38	1.20	1.29
Barataria Waterway at Lafitte (USACE82875)	1.69	1.86	1.90	1.88	1.95	1.96	1.85	1.76	1.95	1.82	1.60	1.76
USGS2928590900040000 Barataria Waterway South of Lafitte	1.82	1.84	1.88	1.84	1.92	1.90	1.87	1.48	1.26	1.50	1.75	1.86
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.64	1.70	1.61	1.61	1.45	1.41	1.11	1.03	1.02	1.12	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.52	1.66	1.79	1.70	1.70	1.59	1.58	1.17	1.06	1.17	1.07	1.33
USGS 07380335 - Little Lake Near Cutoff	1.36	1.60	1.74	1.65	1.59	1.47	1.45	1.09	1.06	1.13	0.97	1.19
USGS073802516 Barataria Pass at Grand Isle	1.39	1.56	1.64	1.47	1.27	1.14	1.18	0.98	0.94	1.01	0.95	1.17
HWQ14 - Lake Washington	1.48	1.57	1.54	1.33	1.16	1.06	1.08	0.94	0.87	0.94	0.99	1.28
HWQ16 - Bayou Grand Liard	1.12	1.41	1.56	1.53	1.36	1.22	1.13	0.94	0.99	0.89	0.80	0.95
CRMS 3985	1.55	1.57	1.55	1.34	1.22	1.12	1.11	0.99	0.87	0.85	1.05	1.45
CRMS 0258	1.63	1.70	1.77	1.71	1.63	1.67	1.69	1.42	1.42	1.31	1.26	1.42
CRMS 0224	1.54	1.68	1.78	1.73	1.70	1.70	1.72	1.29	1.21	1.25	1.13	1.35
CRMS 0163	1.80	1.89	1.94	1.90	1.98	2.01	1.92	1.89	1.94	1.85	1.75	1.84
CRMS 0162	1.74	1.75	1.79	1.79	1.81	1.91	2.01	1.88	1.60	1.54	1.13	1.42

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.51	0.79	0.90	1.11	1.21	1.29	1.26	1.21	1.18	1.07	0.84
CRMS0276 - Just east of Wilkinson Canal	0.11	0.01	-0.01	0.01	-0.09	-0.10	0.02	0.13	0.08	0.04	0.07	0.05
Barataria Waterway at Lafitte (USACE82875)	0.03	0.00	0.00	0.00	0.00	-0.01	-0.04	-0.02	0.05	0.03	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.47	0.37	0.64	0.62	0.88	0.98	1.17	0.81	0.45	0.64	0.91	0.78
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.19	0.45	0.76	0.92	0.82	0.77	0.43	0.27	0.22	0.18	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.28	0.47	0.61	0.85	0.84	0.87	0.49	0.31	0.41	0.29	0.34
USGS 07380335 - Little Lake Near Cutoff	0.26	0.22	0.32	0.39	0.61	0.60	0.60	0.32	0.22	0.29	0.19	0.23
USGS073802516 Barataria Pass at Grand Isle	0.29	0.22	0.35	0.38	0.39	0.34	0.38	0.25	0.24	0.28	0.22	0.25
HWQ14 - Lake Washington	0.25	0.21	0.37	0.51	0.48	0.43	0.47	0.34	0.24	0.29	0.22	0.29
HWQ16 - Bayou Grand Liard	0.14	0.10	0.13	0.13	0.08	0.07	0.05	0.07	0.09	0.06	0.07	0.09
CRMS 3985	0.09	0.08	0.23	0.54	0.58	0.50	0.47	0.22	0.00	-0.04	-0.03	0.09
CRMS 0258	0.29	0.12	0.20	0.14	0.26	0.37	0.76	0.57	0.15	0.17	0.24	0.18
CRMS 0224	0.33	0.20	0.34	0.31	0.50	0.66	0.95	0.59	0.20	0.31	0.28	0.26
CRMS 0163	0.01	0.00	0.00	0.00	0.00	0.00	-0.03	0.01	0.05	0.03	0.02	0.01
CRMS 0162	0.00	0.01	-0.01	0.01	0.00	0.00	0.00	0.02	0.03	0.00	-0.02	-0.01

Figure WQ TOTN 171 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.48	1.16	0.99	0.91	0.80	0.67	0.65	0.63	0.66	0.80	1.09
CRMS0276 - Just east of Wilkinson Canal	1.40	1.73	1.80	1.82	1.85	1.44	0.88	0.79	1.14	0.96	1.14	1.48
Barataria Waterway at Lafitte (USACE82875)	1.72	1.90	1.92	1.95	1.98	1.90	1.72	1.57	1.81	1.58	1.63	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.39	1.51	1.22	1.15	1.09	0.93	0.68	0.61	0.64	0.66	0.76	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.18	0.80	0.68	0.64	0.65	0.75	0.76	0.75	0.93	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.44	1.32	1.02	0.86	0.74	0.62	0.56	0.64	0.61	0.67	1.05
USGS 07380335 - Little Lake Near Cutoff	1.20	1.46	1.43	1.18	1.01	0.82	0.66	0.57	0.68	0.63	0.69	1.07
USGS073802516 Barataria Pass at Grand Isle	1.19	1.40	1.29	1.02	0.89	0.77	0.63	0.55	0.60	0.57	0.64	0.99
HWQ14 - Lake Washington	1.27	1.38	1.13	0.77	0.67	0.63	0.59	0.58	0.61	0.60	0.72	1.01
HWQ16 - Bayou Grand Liard	1.10	1.41	1.48	1.36	1.33	0.96	0.67	0.62	0.72	0.59	0.69	1.02
CRMS 3985	1.47	1.47	1.23	0.75	0.63	0.63	0.72	0.99	0.92	0.90	1.10	1.36
CRMS 0258	1.43	1.64	1.56	1.52	1.46	1.24	0.80	0.65	0.96	0.80	0.94	1.39
CRMS 0224	1.30	1.55	1.45	1.35	1.25	1.00	0.67	0.58	0.79	0.69	0.75	1.19
CRMS 0163	1.83	1.92	1.95	1.97	2.00	1.98	1.81	1.72	1.80	1.58	1.81	1.87
CRMS 0162	1.75	1.84	1.84	1.79	1.82	1.81	1.96	1.55	1.07	0.91	1.29	1.72

V3PR4 HYST - cy 4 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.98	2.00	2.00	2.01	1.98	1.90	1.89	1.87	1.87	1.92	1.93
CRMS0276 - Just east of Wilkinson Canal	1.49	1.72	1.79	1.79	1.78	1.42	0.92	0.86	1.16	0.99	1.18	1.52
Barataria Waterway at Lafitte (USACE82875)	1.74	1.89	1.92	1.95	1.98	1.88	1.75	1.61	1.82	1.61	1.66	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.85	1.90	1.93	1.94	1.54	1.32	1.27	1.08	1.24	1.61	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.49	1.66	1.72	1.65	1.64	1.03	0.84	0.85	0.91	0.87	1.01	1.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.53	1.75	1.82	1.75	1.74	1.12	0.80	0.73	0.82	0.78	0.93	1.37
USGS 07380335 - Little Lake Near Cutoff	1.42	1.69	1.77	1.66	1.65	1.13	0.77	0.68	0.80	0.73	0.85	1.29
USGS073802516 Barataria Pass at Grand Isle	1.39	1.62	1.65	1.44	1.34	1.02	0.73	0.64	0.73	0.69	0.82	1.14
HWQ14 - Lake Washington	1.36	1.55	1.53	1.30	1.21	0.93	0.76	0.70	0.76	0.75	0.88	1.02
HWQ16 - Bayou Grand Liard	1.20	1.51	1.60	1.48	1.43	1.05	0.70	0.65	0.75	0.63	0.75	1.10
CRMS 3985	1.37	1.53	1.54	1.32	1.27	0.94	0.82	0.92	0.97	0.93	0.88	0.92
CRMS 0258	1.70	1.73	1.78	1.70	1.70	1.32	1.04	0.92	1.03	0.93	1.12	1.60
CRMS 0224	1.61	1.75	1.81	1.75	1.75	1.22	0.89	0.79	0.92	0.83	0.99	1.51
CRMS 0163	1.84	1.92	1.95	1.98	2.00	1.97	1.84	1.75	1.81	1.62	1.83	1.89
CRMS 0162	1.75	1.83	1.82	1.77	1.81	1.82	1.97	1.56	1.08	0.91	1.30	1.74

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.51	0.84	1.02	1.10	1.18	1.23	1.25	1.25	1.21	1.12	0.84
CRMS0276 - Just east of Wilkinson Canal	0.09	-0.01	-0.01	-0.03	-0.07	-0.02	0.04	0.07	0.01	0.02	0.04	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.00	0.00	0.00	0.00	-0.02	0.02	0.05	0.01	0.03	0.03	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.49	0.34	0.69	0.78	0.85	0.61	0.65	0.66	0.44	0.58	0.85	0.74
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.22	0.54	0.85	0.96	0.39	0.20	0.10	0.15	0.12	0.09	-0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.31	0.50	0.73	0.88	0.38	0.18	0.17	0.19	0.18	0.25	0.32
USGS 07380335 - Little Lake Near Cutoff	0.21	0.23	0.33	0.47	0.64	0.30	0.12	0.10	0.11	0.10	0.16	0.22
USGS073802516 Barataria Pass at Grand Isle	0.20	0.22	0.36	0.42	0.45	0.26	0.11	0.09	0.13	0.12	0.18	0.15
HWQ14 - Lake Washington	0.09	0.17	0.40	0.53	0.55	0.30	0.17	0.12	0.15	0.15	0.16	0.02
HWQ16 - Bayou Grand Liard	0.11	0.10	0.12	0.12	0.10	0.09	0.03	0.04	0.03	0.04	0.05	0.08
CRMS 3985	-0.10	0.06	0.32	0.57	0.64	0.31	0.10	-0.07	0.05	0.03	-0.22	-0.44
CRMS 0258	0.27	0.09	0.22	0.18	0.24	0.08	0.24	0.27	0.07	0.12	0.18	0.22
CRMS 0224	0.30	0.19	0.36	0.40	0.50	0.23	0.22	0.21	0.13	0.14	0.23	0.31
CRMS 0163	0.01	0.00	0.00	0.00	0.00	-0.01	0.03	0.03	0.02	0.03	0.03	0.02
CRMS 0162	0.00	-0.01	-0.02	-0.01	-0.01	0.00	0.01	0.01	0.02	0.00	0.01	0.02

Figure WQ TOTN 172 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.09	0.91	0.82	0.71	0.62	0.62	0.57	0.60	0.88	1.15
CRMS0276 - Just east of Wilkinson Canal	1.24	1.62	1.57	1.63	1.62	1.26	0.65	0.56	0.81	0.97	1.30	1.44
Barataria Waterway at Lafitte (USACE82875)	1.59	1.84	1.87	1.90	1.89	1.88	1.42	1.26	1.22	1.72	1.71	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.42	1.08	1.09	0.98	0.84	0.61	0.57	0.52	0.55	0.84	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.38	1.24	0.75	0.62	0.59	0.76	0.79	0.75	0.76	0.99	1.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.35	1.19	0.93	0.75	0.65	0.55	0.50	0.54	0.53	0.76	1.11
USGS 07380335 - Little Lake Near Cutoff	1.10	1.36	1.24	1.06	0.85	0.71	0.54	0.46	0.53	0.54	0.80	1.12
USGS073802516 Barataria Pass at Grand Isle	1.11	1.30	1.15	0.91	0.74	0.64	0.52	0.46	0.51	0.50	0.72	1.05
HWQ14 - Lake Washington	1.25	1.31	1.14	0.72	0.59	0.55	0.58	0.56	0.60	0.58	0.76	1.08
HWQ16 - Bayou Grand Liard	0.97	1.29	1.21	1.14	1.03	0.80	0.53	0.50	0.55	0.54	0.80	1.02
CRMS 3985	1.43	1.42	1.36	0.73	0.59	0.64	1.00	1.07	0.91	0.92	1.16	1.40
CRMS 0258	1.30	1.55	1.31	1.47	1.35	1.08	0.64	0.55	0.68	0.70	1.11	1.36
CRMS 0224	1.21	1.45	1.24	1.26	1.11	0.89	0.57	0.50	0.58	0.59	0.88	1.21
CRMS 0163	1.74	1.87	1.91	1.88	1.93	1.87	1.52	1.47	1.24	1.74	1.85	1.86
CRMS 0162	1.58	1.70	1.55	1.45	1.48	1.51	1.44	1.09	0.71	1.11	1.46	1.70

V3PR4 HYST - cy 4 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.90	1.96	1.98	1.92	1.94	1.91	1.90	1.89	1.85	1.83	1.88	1.91
CRMS0276 - Just east of Wilkinson Canal	1.26	1.62	1.59	1.66	1.57	1.28	0.70	0.62	0.87	1.03	1.34	1.50
Barataria Waterway at Lafitte (USACE82875)	1.63	1.85	1.90	1.90	1.89	1.90	1.50	1.34	1.31	1.74	1.76	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.70	1.83	1.76	1.53	1.57	1.08	1.21	1.17	0.96	1.13	1.42	1.72
USGS7380251 Barataria Bay North of Grand Isle	0.98	1.44	1.36	1.15	1.11	0.73	0.72	0.82	0.84	0.85	1.05	0.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.11	1.53	1.43	1.24	1.27	0.78	0.67	0.63	0.70	0.70	0.96	1.20
USGS 07380335 - Little Lake Near Cutoff	1.08	1.46	1.36	1.26	1.17	0.80	0.62	0.53	0.64	0.66	0.92	1.20
USGS073802516 Barataria Pass at Grand Isle	1.03	1.38	1.27	1.11	0.95	0.74	0.59	0.52	0.62	0.62	0.86	1.09
HWQ14 - Lake Washington	0.95	1.30	1.19	0.98	0.84	0.68	0.64	0.65	0.69	0.70	0.89	0.96
HWQ16 - Bayou Grand Liard	0.98	1.31	1.25	1.21	1.06	0.85	0.55	0.51	0.61	0.61	0.85	1.07
CRMS 3985	0.88	1.29	1.23	0.99	0.84	0.70	0.78	1.00	0.93	0.95	0.94	0.71
CRMS 0258	1.39	1.64	1.45	1.52	1.38	1.11	0.84	0.78	0.79	0.83	1.22	1.51
CRMS 0224	1.21	1.59	1.44	1.40	1.37	0.97	0.73	0.67	0.72	0.73	1.03	1.36
CRMS 0163	1.77	1.88	1.94	1.89	1.93	1.89	1.60	1.53	1.35	1.76	1.88	1.90
CRMS 0162	1.59	1.71	1.55	1.48	1.53	1.48	1.48	1.12	0.73	1.17	1.48	1.75

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.55	0.57	0.89	1.02	1.12	1.19	1.28	1.27	1.28	1.22	1.00	0.76
CRMS0276 - Just east of Wilkinson Canal	0.03	0.00	0.02	0.02	-0.05	0.02	0.05	0.07	0.06	0.07	0.03	0.06
Barataria Waterway at Lafitte (USACE82875)	0.04	0.01	0.03	0.00	0.00	0.02	0.08	0.08	0.10	0.02	0.04	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.37	0.40	0.68	0.44	0.59	0.24	0.60	0.60	0.44	0.58	0.58	0.59
USGS7380251 Barataria Bay North of Grand Isle	-0.39	0.06	0.12	0.40	0.49	0.14	-0.04	0.03	0.09	0.10	0.06	-0.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.06	0.19	0.24	0.31	0.52	0.13	0.12	0.13	0.16	0.17	0.19	0.09
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.10	0.13	0.21	0.32	0.10	0.07	0.08	0.11	0.12	0.12	0.08
USGS073802516 Barataria Pass at Grand Isle	-0.08	0.08	0.11	0.20	0.20	0.10	0.07	0.07	0.11	0.12	0.14	0.04
HWQ14 - Lake Washington	-0.30	-0.01	0.05	0.26	0.25	0.13	0.05	0.09	0.10	0.13	0.13	-0.12
HWQ16 - Bayou Grand Liard	0.01	0.02	0.03	0.07	0.03	0.05	0.02	0.02	0.06	0.07	0.05	0.04
CRMS 3985	-0.54	-0.12	-0.13	0.26	0.25	0.06	-0.21	-0.07	0.02	0.02	-0.22	-0.69
CRMS 0258	0.08	0.09	0.14	0.05	0.03	0.04	0.20	0.23	0.10	0.13	0.11	0.15
CRMS 0224	0.01	0.14	0.20	0.13	0.26	0.08	0.16	0.17	0.14	0.14	0.15	0.15
CRMS 0163	0.03	0.01	0.03	0.01	0.00	0.02	0.08	0.06	0.11	0.02	0.04	0.04
CRMS 0162	0.01	0.01	0.01	0.04	0.04	-0.03	0.04	0.03	0.02	0.06	0.02	0.05

Figure WQ TOTN 173 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.39	1.49	1.15	0.98	0.89	0.82	0.75	0.76	0.76	0.76	0.88	1.11
CRMS0276 - Just east of Wilkinson Canal	1.37	1.77	1.77	1.79	1.76	1.64	1.20	1.08	1.42	1.17	1.15	1.32
Barataria Waterway at Lafitte (USACE82875)	1.74	1.91	1.93	1.94	1.95	1.95	1.85	1.80	1.87	1.74	1.60	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.37	1.53	1.19	1.15	1.05	0.97	0.72	0.71	0.82	0.79	0.84	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.17	0.79	0.67	0.65	0.78	0.83	0.83	0.82	0.98	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.47	1.28	1.00	0.81	0.76	0.67	0.67	0.76	0.71	0.77	1.03
USGS 07380335 - Little Lake Near Cutoff	1.17	1.50	1.38	1.16	0.93	0.88	0.75	0.75	0.84	0.76	0.78	1.02
USGS073802516 Barataria Pass at Grand Isle	1.16	1.43	1.26	0.99	0.82	0.79	0.71	0.70	0.71	0.67	0.73	0.96
HWQ14 - Lake Washington	1.26	1.39	1.12	0.75	0.64	0.61	0.64	0.64	0.67	0.66	0.79	1.03
HWQ16 - Bayou Grand Liard	1.10	1.47	1.42	1.30	1.17	1.11	0.93	0.88	0.88	0.71	0.73	0.92
CRMS 3985	1.47	1.47	1.21	0.74	0.63	0.66	0.95	1.03	0.96	0.95	1.14	1.40
CRMS 0258	1.36	1.67	1.52	1.54	1.42	1.32	0.89	0.85	1.24	0.98	1.01	1.29
CRMS 0224	1.26	1.58	1.40	1.35	1.18	1.07	0.72	0.69	1.01	0.84	0.85	1.14
CRMS 0163	1.85	1.93	1.96	1.95	1.98	1.98	1.89	1.88	1.89	1.77	1.76	1.83
CRMS 0162	1.81	1.87	1.77	1.70	1.65	1.87	1.97	1.85	1.46	1.32	1.20	1.52

V3PR4 HYST - cy 4 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	2.00	2.00	2.00	1.99	1.99	1.95	1.93	1.90	1.91	1.90
CRMS0276 - Just east of Wilkinson Canal	1.49	1.76	1.78	1.77	1.71	1.56	1.28	1.22	1.50	1.24	1.20	1.36
Barataria Waterway at Lafitte (USACE82875)	1.74	1.90	1.93	1.94	1.94	1.94	1.84	1.79	1.93	1.77	1.62	1.79
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.87	1.96	1.93	1.90	1.86	1.84	1.51	1.16	1.29	1.68	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.71	1.73	1.60	1.54	1.34	1.29	1.14	0.95	0.89	1.09	1.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.66	1.79	1.83	1.71	1.63	1.52	1.51	1.28	1.00	0.90	1.02	1.31
USGS 07380335 - Little Lake Near Cutoff	1.51	1.74	1.77	1.62	1.51	1.40	1.34	1.18	1.02	0.89	0.93	1.20
USGS073802516 Barataria Pass at Grand Isle	1.50	1.68	1.65	1.43	1.23	1.11	1.10	1.03	0.91	0.81	0.90	1.16
HWQ14 - Lake Washington	1.52	1.62	1.55	1.28	1.13	1.02	1.02	0.97	0.83	0.80	0.95	1.26
HWQ16 - Bayou Grand Liard	1.22	1.59	1.55	1.43	1.27	1.19	1.00	0.94	0.97	0.78	0.79	0.99
CRMS 3985	1.55	1.60	1.54	1.28	1.17	1.06	1.02	0.98	0.85	0.88	1.06	1.44
CRMS 0258	1.70	1.76	1.83	1.67	1.61	1.62	1.64	1.42	1.40	1.15	1.22	1.44
CRMS 0224	1.68	1.78	1.84	1.71	1.65	1.63	1.65	1.35	1.20	1.01	1.09	1.35
CRMS 0163	1.85	1.93	1.96	1.94	1.98	1.98	1.90	1.89	1.94	1.80	1.77	1.84
CRMS 0162	1.80	1.87	1.75	1.71	1.64	1.88	2.00	1.90	1.50	1.35	1.19	1.52

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.57	0.50	0.85	1.02	1.11	1.17	1.24	1.19	1.17	1.14	1.03	0.79
CRMS0276 - Just east of Wilkinson Canal	0.12	-0.01	0.01	-0.02	-0.05	-0.08	0.08	0.14	0.08	0.07	0.04	0.04
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.06	0.03	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.48	0.34	0.77	0.77	0.84	0.88	1.12	0.80	0.34	0.50	0.83	0.72
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.26	0.56	0.81	0.87	0.69	0.51	0.30	0.11	0.07	0.10	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.45	0.32	0.55	0.72	0.81	0.76	0.84	0.61	0.24	0.19	0.25	0.28
USGS 07380335 - Little Lake Near Cutoff	0.34	0.24	0.38	0.47	0.57	0.53	0.59	0.43	0.19	0.13	0.15	0.18
USGS073802516 Barataria Pass at Grand Isle	0.33	0.25	0.40	0.44	0.41	0.33	0.39	0.33	0.19	0.14	0.17	0.20
HWQ14 - Lake Washington	0.25	0.22	0.43	0.54	0.49	0.41	0.38	0.33	0.16	0.14	0.16	0.23
HWQ16 - Bayou Grand Liard	0.12	0.12	0.13	0.12	0.10	0.08	0.08	0.06	0.09	0.07	0.06	0.07
CRMS 3985	0.08	0.13	0.33	0.54	0.54	0.40	0.07	-0.05	-0.12	-0.07	-0.08	0.04
CRMS 0258	0.34	0.09	0.31	0.13	0.19	0.30	0.75	0.58	0.16	0.16	0.21	0.15
CRMS 0224	0.43	0.19	0.44	0.37	0.46	0.57	0.93	0.65	0.19	0.17	0.24	0.22
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.06	0.03	0.01	0.01
CRMS 0162	-0.01	-0.01	-0.02	0.01	-0.02	0.02	0.03	0.05	0.04	0.03	-0.01	0.00

Figure WQ TOTN 174 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.34	1.13	1.03	0.91	0.81	0.69	0.68	0.67	0.70	0.81	1.11
CRMS0276 - Just east of Wilkinson Canal	1.48	1.53	1.68	1.80	1.78	1.57	1.21	1.00	1.34	1.07	1.10	1.61
Barataria Waterway at Lafitte (USACE82875)	1.76	1.83	1.88	1.94	1.85	1.92	1.88	1.73	1.87	1.70	1.58	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.42	1.41	1.18	1.21	1.11	0.93	0.68	0.64	0.73	0.74	0.78	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.25	1.17	0.84	0.67	0.63	0.63	0.67	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.35	1.20	1.06	0.88	0.76	0.67	0.64	0.70	0.66	0.70	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.35	1.29	1.22	1.05	0.88	0.77	0.72	0.77	0.70	0.70	1.13
USGS073802516 Barataria Pass at Grand Isle	1.26	1.31	1.15	1.05	0.91	0.81	0.74	0.69	0.66	0.62	0.66	1.02
HWQ14 - Lake Washington	1.29	1.27	1.05	0.80	0.67	0.63	0.60	0.58	0.61	0.61	0.73	1.00
HWQ16 - Bayou Grand Liard	1.18	1.25	1.31	1.35	1.34	1.16	0.98	0.82	0.82	0.66	0.68	1.13
CRMS 3985	1.35	1.23	1.28	0.81	0.62	0.61	0.63	0.77	0.87	0.89	1.08	1.35
CRMS 0258	1.49	1.53	1.49	1.56	1.53	1.19	0.86	0.80	1.14	0.93	0.95	1.44
CRMS 0224	1.37	1.45	1.35	1.40	1.30	1.00	0.71	0.66	0.93	0.79	0.78	1.24
CRMS 0163	1.85	1.86	1.91	1.96	1.86	1.97	1.94	1.85	1.88	1.71	1.77	1.90
CRMS 0162	1.68	1.47	1.73	1.74	1.73	1.92	2.01	1.83	1.35	1.11	1.24	1.84

V3PR4 HYST - cy 4 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.01	1.95	1.98	2.00	1.90	1.98	1.99	1.92	1.90	1.92	1.90	1.97
CRMS0276 - Just east of Wilkinson Canal	1.56	1.53	1.66	1.80	1.76	1.48	1.28	1.13	1.39	1.16	1.16	1.61
Barataria Waterway at Lafitte (USACE82875)	1.76	1.81	1.88	1.93	1.87	1.92	1.83	1.75	1.89	1.75	1.61	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.26	1.94	1.83	1.91	1.79	1.87	1.86	1.30	1.15	1.31	1.69	1.85
USGS7380251 Barataria Bay North of Grand Isle	1.65	1.58	1.64	1.63	1.56	1.43	1.30	1.01	0.94	0.89	1.10	1.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.62	1.57	1.72	1.74	1.66	1.56	1.50	0.99	0.94	0.87	0.99	1.73
USGS 07380335 - Little Lake Near Cutoff	1.50	1.50	1.65	1.67	1.59	1.45	1.34	0.97	0.95	0.85	0.89	1.60
USGS073802516 Barataria Pass at Grand Isle	1.52	1.48	1.55	1.49	1.33	1.11	1.09	0.89	0.85	0.78	0.87	1.51
HWQ14 - Lake Washington	1.57	1.53	1.48	1.35	1.20	1.03	1.02	0.88	0.81	0.78	0.93	1.45
HWQ16 - Bayou Grand Liard	1.22	1.30	1.43	1.49	1.43	1.21	1.03	0.88	0.90	0.73	0.76	1.27
CRMS 3985	1.53	1.53	1.54	1.36	1.24	1.09	1.03	0.92	0.93	0.90	1.07	1.50
CRMS 0258	1.82	1.64	1.69	1.73	1.65	1.63	1.63	1.24	1.27	1.10	1.18	1.70
CRMS 0224	1.69	1.61	1.71	1.76	1.67	1.67	1.64	1.06	1.10	0.98	1.05	1.69
CRMS 0163	1.83	1.85	1.91	1.96	1.87	1.98	1.91	1.88	1.91	1.77	1.78	1.90
CRMS 0162	1.65	1.46	1.71	1.72	1.74	1.92	2.01	1.86	1.37	1.14	1.22	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.61	0.61	0.85	0.97	0.99	1.17	1.30	1.24	1.23	1.21	1.09	0.86
CRMS0276 - Just east of Wilkinson Canal	0.08	-0.01	-0.01	0.00	-0.02	-0.09	0.07	0.13	0.05	0.09	0.06	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	0.00	0.00	0.01	0.00	-0.05	0.02	0.03	0.05	0.03	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.84	0.53	0.65	0.71	0.68	0.94	1.18	0.66	0.41	0.57	0.91	0.73
USGS7380251 Barataria Bay North of Grand Isle	0.28	0.33	0.47	0.79	0.89	0.80	0.67	0.33	0.21	0.14	0.18	0.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.22	0.52	0.68	0.78	0.79	0.83	0.34	0.24	0.21	0.30	0.65
USGS 07380335 - Little Lake Near Cutoff	0.22	0.14	0.36	0.45	0.54	0.57	0.56	0.25	0.17	0.15	0.19	0.47
USGS073802516 Barataria Pass at Grand Isle	0.26	0.17	0.40	0.44	0.42	0.30	0.34	0.20	0.19	0.16	0.21	0.49
HWQ14 - Lake Washington	0.28	0.26	0.43	0.55	0.53	0.40	0.42	0.30	0.20	0.17	0.20	0.46
HWQ16 - Bayou Grand Liard	0.04	0.05	0.12	0.15	0.10	0.05	0.05	0.06	0.07	0.07	0.08	0.15
CRMS 3985	0.18	0.31	0.25	0.55	0.62	0.49	0.40	0.15	0.06	0.01	-0.01	0.15
CRMS 0258	0.33	0.11	0.20	0.17	0.12	0.44	0.76	0.44	0.13	0.17	0.23	0.26
CRMS 0224	0.32	0.16	0.36	0.36	0.37	0.67	0.93	0.40	0.17	0.19	0.27	0.45
CRMS 0163	-0.02	-0.01	0.00	0.00	0.02	0.01	-0.03	0.03	0.03	0.06	0.01	0.01
CRMS 0162	-0.03	0.00	-0.01	-0.01	0.01	0.00	0.00	0.03	0.02	0.03	-0.02	-0.01

Figure WQ TOTN 175 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.38	1.45	1.20	1.04	0.89	0.79	0.70	0.69	0.73	0.80	0.87	1.07
CRMS0276 - Just east of Wilkinson Canal	1.29	1.63	1.77	1.79	1.80	1.69	1.36	1.07	1.45	1.34	1.13	1.24
Barataria Waterway at Lafitte (USACE82875)	1.66	1.86	1.90	1.88	1.95	1.97	1.89	1.78	1.90	1.79	1.58	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.47	1.23	1.22	1.04	0.92	0.70	0.66	0.82	0.86	0.85	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.45	1.25	0.85	0.68	0.63	0.64	0.68	0.76	0.79	0.94	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.38	1.32	1.09	0.85	0.75	0.71	0.68	0.75	0.76	0.77	0.99
USGS 07380335 - Little Lake Near Cutoff	1.10	1.38	1.41	1.26	0.99	0.87	0.85	0.77	0.84	0.85	0.79	0.97
USGS073802516 Barataria Pass at Grand Isle	1.10	1.33	1.28	1.09	0.88	0.80	0.80	0.73	0.70	0.72	0.73	0.92
HWQ14 - Lake Washington	1.23	1.36	1.17	0.82	0.68	0.63	0.61	0.60	0.63	0.65	0.76	0.99
HWQ16 - Bayou Grand Liard	0.99	1.31	1.43	1.40	1.29	1.15	1.07	0.87	0.90	0.83	0.73	0.85
CRMS 3985	1.46	1.49	1.33	0.80	0.64	0.62	0.64	0.77	0.88	0.90	1.08	1.36
CRMS 0258	1.34	1.57	1.56	1.57	1.38	1.30	0.93	0.85	1.27	1.14	1.01	1.24
CRMS 0224	1.21	1.48	1.44	1.42	1.19	1.03	0.77	0.70	1.02	0.94	0.86	1.10
CRMS 0163	1.79	1.89	1.94	1.89	1.98	2.01	1.95	1.88	1.90	1.81	1.73	1.83
CRMS 0162	1.74	1.75	1.80	1.78	1.81	1.91	2.01	1.85	1.56	1.54	1.16	1.42

V3PR5 HYST - cy 4 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.96	1.99	1.93	2.00	2.00	1.99	1.95	1.93	1.98	1.93	1.91
CRMS0276 - Just east of Wilkinson Canal	1.39	1.63	1.76	1.80	1.71	1.58	1.38	1.20	1.53	1.38	1.19	1.29
Barataria Waterway at Lafitte (USACE82875)	1.68	1.86	1.90	1.88	1.95	1.96	1.86	1.78	1.95	1.83	1.61	1.77
USGS2928590900040000 Barataria Waterway South of Lafitte	1.82	1.85	1.89	1.84	1.93	1.91	1.90	1.52	1.29	1.50	1.73	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.59	1.62	1.70	1.61	1.62	1.48	1.42	1.10	1.03	1.02	1.13	1.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.52	1.65	1.79	1.69	1.70	1.58	1.58	1.18	1.06	1.17	1.06	1.33
USGS 07380335 - Little Lake Near Cutoff	1.35	1.58	1.73	1.65	1.59	1.47	1.44	1.10	1.05	1.14	0.97	1.19
USGS073802516 Barataria Pass at Grand Isle	1.38	1.54	1.63	1.46	1.27	1.14	1.18	0.99	0.94	1.01	0.95	1.17
HWQ14 - Lake Washington	1.48	1.55	1.53	1.33	1.16	1.07	1.09	0.95	0.87	0.94	0.99	1.29
HWQ16 - Bayou Grand Liard	1.08	1.40	1.56	1.52	1.37	1.22	1.14	0.95	0.99	0.90	0.79	0.95
CRMS 3985	1.51	1.53	1.55	1.35	1.23	1.13	1.12	0.99	0.89	0.86	1.06	1.46
CRMS 0258	1.62	1.69	1.77	1.71	1.63	1.67	1.69	1.41	1.42	1.30	1.25	1.41
CRMS 0224	1.54	1.67	1.78	1.73	1.69	1.69	1.71	1.29	1.21	1.25	1.13	1.35
CRMS 0163	1.80	1.89	1.94	1.89	1.98	2.01	1.92	1.90	1.94	1.86	1.76	1.84
CRMS 0162	1.73	1.75	1.79	1.78	1.82	1.91	2.01	1.88	1.59	1.50	1.16	1.41

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.55	0.51	0.79	0.90	1.11	1.21	1.29	1.26	1.20	1.18	1.07	0.84
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	-0.01	0.01	-0.09	-0.10	0.02	0.14	0.07	0.04	0.06	0.05
Barataria Waterway at Lafitte (USACE82875)	0.02	0.00	0.00	0.00	0.00	-0.01	-0.03	0.00	0.04	0.03	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.38	0.66	0.63	0.88	0.99	1.19	0.85	0.47	0.64	0.88	0.74
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.17	0.45	0.77	0.94	0.84	0.78	0.42	0.27	0.23	0.19	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.27	0.47	0.60	0.85	0.83	0.87	0.50	0.31	0.41	0.29	0.34
USGS 07380335 - Little Lake Near Cutoff	0.25	0.20	0.32	0.39	0.60	0.59	0.59	0.33	0.21	0.29	0.18	0.22
USGS073802516 Barataria Pass at Grand Isle	0.28	0.21	0.35	0.38	0.39	0.34	0.38	0.25	0.24	0.29	0.22	0.25
HWQ14 - Lake Washington	0.25	0.19	0.36	0.51	0.49	0.44	0.48	0.35	0.25	0.30	0.23	0.29
HWQ16 - Bayou Grand Liard	0.09	0.10	0.12	0.12	0.08	0.08	0.06	0.08	0.09	0.07	0.07	0.10
CRMS 3985	0.05	0.05	0.22	0.55	0.60	0.51	0.48	0.22	0.02	-0.04	-0.01	0.09
CRMS 0258	0.28	0.12	0.21	0.14	0.25	0.37	0.76	0.56	0.15	0.17	0.24	0.17
CRMS 0224	0.33	0.19	0.34	0.31	0.50	0.65	0.94	0.59	0.19	0.30	0.27	0.25
CRMS 0163	0.01	0.00	0.00	0.00	0.00	0.00	-0.02	0.02	0.05	0.04	0.02	0.01
CRMS 0162	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.02	0.02	-0.04	0.00	-0.01

Figure WQ TOTN 176 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.48	1.16	0.99	0.91	0.80	0.67	0.65	0.63	0.66	0.80	1.09
CRMS0276 - Just east of Wilkinson Canal	1.40	1.73	1.80	1.82	1.85	1.44	0.88	0.79	1.14	0.96	1.14	1.48
Barataria Waterway at Lafitte (USACE82875)	1.72	1.90	1.92	1.95	1.98	1.90	1.72	1.57	1.81	1.58	1.63	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.39	1.51	1.22	1.15	1.09	0.93	0.68	0.61	0.64	0.66	0.76	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.18	0.80	0.68	0.64	0.65	0.75	0.76	0.75	0.93	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.44	1.32	1.02	0.86	0.74	0.62	0.56	0.64	0.61	0.67	1.05
USGS 07380335 - Little Lake Near Cutoff	1.20	1.46	1.43	1.18	1.01	0.82	0.66	0.57	0.68	0.63	0.69	1.07
USGS073802516 Barataria Pass at Grand Isle	1.19	1.40	1.29	1.02	0.89	0.77	0.63	0.55	0.60	0.57	0.64	0.99
HWQ14 - Lake Washington	1.27	1.38	1.13	0.77	0.67	0.63	0.59	0.58	0.61	0.60	0.72	1.01
HWQ16 - Bayou Grand Liard	1.10	1.41	1.48	1.36	1.33	0.96	0.67	0.62	0.72	0.59	0.69	1.02
CRMS 3985	1.47	1.47	1.23	0.75	0.63	0.63	0.72	0.99	0.92	0.90	1.10	1.36
CRMS 0258	1.43	1.64	1.56	1.52	1.46	1.24	0.80	0.65	0.96	0.80	0.94	1.39
CRMS 0224	1.30	1.55	1.45	1.35	1.25	1.00	0.67	0.58	0.79	0.69	0.75	1.19
CRMS 0163	1.83	1.92	1.95	1.97	2.00	1.98	1.81	1.72	1.80	1.58	1.81	1.87
CRMS 0162	1.75	1.84	1.84	1.79	1.82	1.81	1.96	1.55	1.07	0.91	1.29	1.72

V3PR5 HYST - cy 4 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.98	2.00	2.00	2.01	1.97	1.90	1.89	1.87	1.88	1.92	1.95
CRMS0276 - Just east of Wilkinson Canal	1.47	1.72	1.79	1.79	1.78	1.43	0.94	0.89	1.18	1.03	1.20	1.52
Barataria Waterway at Lafitte (USACE82875)	1.74	1.89	1.91	1.95	1.98	1.89	1.75	1.64	1.83	1.64	1.68	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.87	1.91	1.94	1.94	1.56	1.37	1.30	1.07	1.24	1.60	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.62	1.72	1.66	1.65	1.03	0.85	0.85	0.91	0.87	0.95	1.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.45	1.73	1.81	1.74	1.74	1.12	0.81	0.74	0.83	0.79	0.93	1.37
USGS 07380335 - Little Lake Near Cutoff	1.36	1.66	1.75	1.65	1.65	1.12	0.78	0.70	0.81	0.75	0.86	1.28
USGS073802516 Barataria Pass at Grand Isle	1.29	1.57	1.63	1.44	1.34	1.02	0.74	0.66	0.74	0.70	0.82	1.13
HWQ14 - Lake Washington	1.15	1.46	1.50	1.29	1.22	0.93	0.76	0.70	0.76	0.75	0.85	0.97
HWQ16 - Bayou Grand Liard	1.16	1.49	1.58	1.47	1.43	1.05	0.71	0.68	0.77	0.65	0.76	1.09
CRMS 3985	1.01	1.43	1.51	1.32	1.28	0.95	0.82	0.92	0.97	0.92	0.75	0.73
CRMS 0258	1.69	1.73	1.78	1.70	1.70	1.32	1.03	0.91	1.04	0.95	1.14	1.61
CRMS 0224	1.56	1.74	1.80	1.75	1.75	1.22	0.89	0.80	0.93	0.85	1.00	1.51
CRMS 0163	1.84	1.92	1.95	1.97	2.00	1.97	1.84	1.77	1.83	1.65	1.84	1.91
CRMS 0162	1.75	1.83	1.82	1.77	1.81	1.82	1.98	1.59	1.08	0.92	1.30	1.76

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.51	0.84	1.02	1.10	1.17	1.23	1.25	1.25	1.22	1.12	0.86
CRMS0276 - Just east of Wilkinson Canal	0.07	-0.01	-0.01	-0.02	-0.07	-0.01	0.06	0.10	0.03	0.06	0.06	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	-0.01	0.00	0.00	0.00	-0.01	0.03	0.07	0.02	0.06	0.05	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.50	0.36	0.70	0.78	0.85	0.64	0.69	0.69	0.43	0.58	0.85	0.74
USGS7380251 Barataria Bay North of Grand Isle	-0.15	0.17	0.53	0.86	0.98	0.40	0.20	0.10	0.15	0.12	0.02	-0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.21	0.29	0.49	0.72	0.88	0.38	0.19	0.18	0.20	0.19	0.25	0.32
USGS 07380335 - Little Lake Near Cutoff	0.15	0.20	0.32	0.47	0.64	0.30	0.12	0.13	0.13	0.11	0.17	0.21
USGS073802516 Barataria Pass at Grand Isle	0.10	0.17	0.34	0.42	0.45	0.25	0.11	0.11	0.14	0.13	0.18	0.13
HWQ14 - Lake Washington	-0.12	0.08	0.37	0.52	0.55	0.30	0.17	0.13	0.15	0.15	0.13	-0.04
HWQ16 - Bayou Grand Liard	0.06	0.07	0.10	0.11	0.10	0.08	0.04	0.06	0.05	0.06	0.07	0.07
CRMS 3985	-0.46	-0.04	0.28	0.57	0.65	0.32	0.10	-0.07	0.05	0.02	-0.35	-0.63
CRMS 0258	0.26	0.09	0.22	0.18	0.24	0.08	0.23	0.26	0.08	0.15	0.20	0.22
CRMS 0224	0.26	0.18	0.36	0.40	0.50	0.23	0.22	0.22	0.13	0.15	0.24	0.32
CRMS 0163	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.07	0.03	0.04
CRMS 0162	0.00	-0.01	-0.01	-0.02	-0.01	0.01	0.01	0.03	0.01	0.01	0.01	0.04

Figure WQ TOTN 177 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.09	0.91	0.82	0.71	0.62	0.62	0.57	0.60	0.88	1.15
CRMS0276 - Just east of Wilkinson Canal	1.24	1.62	1.57	1.63	1.62	1.26	0.65	0.56	0.81	0.97	1.30	1.44
Barataria Waterway at Lafitte (USACE82875)	1.59	1.84	1.87	1.90	1.89	1.88	1.42	1.26	1.22	1.72	1.71	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.42	1.08	1.09	0.98	0.84	0.61	0.57	0.52	0.55	0.84	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.38	1.24	0.75	0.62	0.59	0.76	0.79	0.75	0.76	0.99	1.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.35	1.19	0.93	0.75	0.65	0.55	0.50	0.54	0.53	0.76	1.11
USGS 07380335 - Little Lake Near Cutoff	1.10	1.36	1.24	1.06	0.85	0.71	0.54	0.46	0.53	0.54	0.80	1.12
USGS073802516 Barataria Pass at Grand Isle	1.11	1.30	1.15	0.91	0.74	0.64	0.52	0.46	0.51	0.50	0.72	1.05
HWQ14 - Lake Washington	1.25	1.31	1.14	0.72	0.59	0.55	0.58	0.56	0.60	0.58	0.76	1.08
HWQ16 - Bayou Grand Liard	0.97	1.29	1.21	1.14	1.03	0.80	0.53	0.50	0.55	0.54	0.80	1.02
CRMS 3985	1.43	1.42	1.36	0.73	0.59	0.64	1.00	1.07	0.91	0.92	1.16	1.40
CRMS 0258	1.30	1.55	1.31	1.47	1.35	1.08	0.64	0.55	0.68	0.70	1.11	1.36
CRMS 0224	1.21	1.45	1.24	1.26	1.11	0.89	0.57	0.50	0.58	0.59	0.88	1.21
CRMS 0163	1.74	1.87	1.91	1.88	1.93	1.87	1.52	1.47	1.24	1.74	1.85	1.86
CRMS 0162	1.58	1.70	1.55	1.45	1.48	1.51	1.44	1.09	0.71	1.11	1.46	1.70

V3PR5 HYST - cy 4 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	1.96	1.98	1.92	1.93	1.90	1.90	1.89	1.85	1.83	1.85	1.89
CRMS0276 - Just east of Wilkinson Canal	1.32	1.63	1.61	1.66	1.59	1.27	0.71	0.63	0.86	1.02	1.33	1.49
Barataria Waterway at Lafitte (USACE82875)	1.63	1.85	1.90	1.90	1.90	1.90	1.50	1.34	1.30	1.74	1.74	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	1.84	1.80	1.57	1.61	1.12	1.25	1.21	0.95	1.12	1.42	1.70
USGS7380251 Barataria Bay North of Grand Isle	1.53	1.59	1.46	1.17	1.12	0.74	0.72	0.82	0.84	0.85	1.14	1.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.62	1.51	1.27	1.28	0.79	0.68	0.64	0.70	0.70	0.97	1.35
USGS 07380335 - Little Lake Near Cutoff	1.24	1.55	1.43	1.29	1.18	0.81	0.62	0.54	0.64	0.65	0.92	1.27
USGS073802516 Barataria Pass at Grand Isle	1.28	1.50	1.36	1.14	0.96	0.75	0.59	0.53	0.62	0.61	0.86	1.21
HWQ14 - Lake Washington	1.42	1.51	1.31	1.02	0.86	0.69	0.64	0.65	0.69	0.70	0.93	1.28
HWQ16 - Bayou Grand Liard	1.04	1.36	1.28	1.23	1.08	0.84	0.55	0.52	0.61	0.59	0.85	1.09
CRMS 3985	1.51	1.52	1.36	1.03	0.86	0.71	0.79	0.99	0.93	0.94	1.16	1.46
CRMS 0258	1.50	1.66	1.48	1.52	1.38	1.12	0.83	0.77	0.78	0.81	1.22	1.51
CRMS 0224	1.39	1.64	1.48	1.41	1.36	0.98	0.74	0.67	0.72	0.72	1.03	1.40
CRMS 0163	1.76	1.89	1.94	1.90	1.93	1.90	1.60	1.55	1.32	1.77	1.85	1.86
CRMS 0162	1.58	1.71	1.54	1.49	1.49	1.55	1.51	1.13	0.72	1.19	1.45	1.71

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.57	0.89	1.01	1.11	1.19	1.28	1.27	1.28	1.22	0.96	0.73
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	0.04	0.03	-0.02	0.00	0.06	0.07	0.05	0.05	0.03	0.04
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.03	0.01	0.01	0.02	0.08	0.08	0.08	0.02	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.41	0.42	0.72	0.47	0.63	0.28	0.64	0.63	0.43	0.57	0.58	0.56
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.21	0.22	0.42	0.51	0.15	-0.03	0.02	0.09	0.09	0.14	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.21	0.27	0.32	0.34	0.54	0.15	0.12	0.14	0.16	0.17	0.21	0.24
USGS 07380335 - Little Lake Near Cutoff	0.14	0.19	0.19	0.23	0.33	0.10	0.08	0.08	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.20	0.20	0.23	0.22	0.10	0.07	0.07	0.11	0.11	0.15	0.16
HWQ14 - Lake Washington	0.17	0.20	0.17	0.30	0.27	0.14	0.06	0.09	0.10	0.12	0.16	0.20
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.09	0.05	0.04	0.02	0.02	0.06	0.06	0.05	0.06
CRMS 3985	0.08	0.10	0.01	0.29	0.27	0.07	-0.21	-0.07	0.01	0.02	0.00	0.07
CRMS 0258	0.19	0.11	0.17	0.06	0.03	0.05	0.19	0.22	0.10	0.11	0.10	0.15
CRMS 0224	0.19	0.18	0.24	0.14	0.25	0.09	0.16	0.17	0.13	0.13	0.15	0.19
CRMS 0163	0.02	0.01	0.03	0.02	0.00	0.02	0.08	0.07	0.08	0.04	0.01	0.01
CRMS 0162	0.01	0.01	-0.01	0.04	0.01	0.04	0.07	0.04	0.01	0.08	-0.01	0.01

Figure WQ TOTN 178 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.39	1.49	1.15	0.98	0.89	0.82	0.75	0.76	0.76	0.76	0.88	1.11
CRMS0276 - Just east of Wilkinson Canal	1.37	1.77	1.77	1.79	1.76	1.64	1.20	1.08	1.42	1.17	1.15	1.32
Barataria Waterway at Lafitte (USACE82875)	1.74	1.91	1.93	1.94	1.95	1.95	1.85	1.80	1.87	1.74	1.60	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.37	1.53	1.19	1.15	1.05	0.97	0.72	0.71	0.82	0.79	0.84	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.17	0.79	0.67	0.65	0.78	0.83	0.83	0.82	0.98	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.47	1.28	1.00	0.81	0.76	0.67	0.67	0.76	0.71	0.77	1.03
USGS 07380335 - Little Lake Near Cutoff	1.17	1.50	1.38	1.16	0.93	0.88	0.75	0.75	0.84	0.76	0.78	1.02
USGS073802516 Barataria Pass at Grand Isle	1.16	1.43	1.26	0.99	0.82	0.79	0.71	0.70	0.71	0.67	0.73	0.96
HWQ14 - Lake Washington	1.26	1.39	1.12	0.75	0.64	0.61	0.64	0.64	0.67	0.66	0.79	1.03
HWQ16 - Bayou Grand Liard	1.10	1.47	1.42	1.30	1.17	1.11	0.93	0.88	0.88	0.71	0.73	0.92
CRMS 3985	1.47	1.47	1.21	0.74	0.63	0.66	0.95	1.03	0.96	0.95	1.14	1.40
CRMS 0258	1.36	1.67	1.52	1.54	1.42	1.32	0.89	0.85	1.24	0.98	1.01	1.29
CRMS 0224	1.26	1.58	1.40	1.35	1.18	1.07	0.72	0.69	1.01	0.84	0.85	1.14
CRMS 0163	1.85	1.93	1.96	1.95	1.98	1.98	1.89	1.88	1.89	1.77	1.76	1.83
CRMS 0162	1.81	1.87	1.77	1.70	1.65	1.87	1.97	1.85	1.46	1.32	1.20	1.52

V3PR5 HYST - cy 4 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	2.00	2.00	2.00	1.99	1.99	1.95	1.92	1.92	1.91	1.90
CRMS0276 - Just east of Wilkinson Canal	1.50	1.76	1.77	1.77	1.72	1.57	1.28	1.22	1.50	1.26	1.22	1.37
Barataria Waterway at Lafitte (USACE82875)	1.74	1.90	1.93	1.94	1.94	1.94	1.84	1.79	1.93	1.81	1.64	1.79
USGS2928590900040000 Barataria Waterway South of Lafitte	1.86	1.88	1.95	1.93	1.92	1.89	1.88	1.56	1.15	1.29	1.67	1.78
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.71	1.73	1.61	1.55	1.36	1.29	1.13	0.95	0.87	1.02	1.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.65	1.78	1.83	1.71	1.62	1.51	1.51	1.29	1.00	0.90	1.01	1.29
USGS 07380335 - Little Lake Near Cutoff	1.50	1.73	1.77	1.62	1.51	1.40	1.34	1.18	1.02	0.89	0.94	1.19
USGS073802516 Barataria Pass at Grand Isle	1.49	1.67	1.65	1.42	1.23	1.11	1.10	1.04	0.91	0.82	0.90	1.14
HWQ14 - Lake Washington	1.50	1.61	1.55	1.29	1.14	1.03	1.03	0.98	0.83	0.79	0.91	1.21
HWQ16 - Bayou Grand Liard	1.22	1.58	1.55	1.42	1.28	1.19	1.00	0.95	0.96	0.78	0.80	1.00
CRMS 3985	1.53	1.59	1.54	1.29	1.18	1.07	1.02	0.98	0.85	0.83	0.95	1.39
CRMS 0258	1.70	1.76	1.83	1.68	1.61	1.63	1.64	1.42	1.40	1.15	1.23	1.44
CRMS 0224	1.68	1.78	1.84	1.71	1.64	1.63	1.65	1.35	1.20	1.01	1.10	1.35
CRMS 0163	1.85	1.93	1.96	1.94	1.98	1.99	1.90	1.89	1.94	1.82	1.77	1.84
CRMS 0162	1.81	1.87	1.75	1.71	1.64	1.89	2.01	1.90	1.52	1.40	1.19	1.51

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.58	0.50	0.85	1.02	1.11	1.17	1.24	1.19	1.16	1.15	1.03	0.79
CRMS0276 - Just east of Wilkinson Canal	0.12	-0.01	0.00	-0.02	-0.04	-0.08	0.08	0.14	0.08	0.09	0.07	0.05
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.06	0.06	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.49	0.35	0.76	0.78	0.86	0.91	1.16	0.85	0.34	0.50	0.82	0.67
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.26	0.56	0.82	0.88	0.71	0.52	0.30	0.11	0.06	0.04	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.32	0.55	0.71	0.81	0.76	0.83	0.62	0.24	0.19	0.24	0.26
USGS 07380335 - Little Lake Near Cutoff	0.33	0.23	0.38	0.46	0.57	0.52	0.59	0.44	0.19	0.14	0.16	0.17
USGS073802516 Barataria Pass at Grand Isle	0.32	0.24	0.39	0.43	0.41	0.33	0.38	0.34	0.19	0.15	0.17	0.18
HWQ14 - Lake Washington	0.24	0.22	0.43	0.54	0.49	0.42	0.39	0.33	0.16	0.13	0.12	0.18
HWQ16 - Bayou Grand Liard	0.12	0.12	0.13	0.12	0.11	0.08	0.08	0.07	0.08	0.07	0.07	0.07
CRMS 3985	0.06	0.12	0.33	0.55	0.55	0.41	0.07	-0.05	-0.12	-0.11	-0.19	0.00
CRMS 0258	0.34	0.10	0.31	0.14	0.20	0.30	0.75	0.57	0.16	0.17	0.23	0.15
CRMS 0224	0.42	0.19	0.44	0.36	0.46	0.56	0.92	0.65	0.19	0.17	0.24	0.21
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	0.01	0.01	0.02	0.05	0.05	0.01	0.01
CRMS 0162	-0.01	-0.01	-0.02	0.00	-0.02	0.02	0.03	0.04	0.06	0.08	-0.01	-0.01

Figure WQ TOTN 179 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.34	1.13	1.03	0.91	0.81	0.69	0.68	0.67	0.70	0.81	1.11
CRMS0276 - Just east of Wilkinson Canal	1.48	1.53	1.68	1.80	1.78	1.57	1.21	1.00	1.34	1.07	1.10	1.61
Barataria Waterway at Lafitte (USACE82875)	1.76	1.83	1.88	1.94	1.85	1.92	1.88	1.73	1.87	1.70	1.58	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.42	1.41	1.18	1.21	1.11	0.93	0.68	0.64	0.73	0.74	0.78	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.25	1.17	0.84	0.67	0.63	0.63	0.67	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.35	1.20	1.06	0.88	0.76	0.67	0.64	0.70	0.66	0.70	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.35	1.29	1.22	1.05	0.88	0.77	0.72	0.77	0.70	0.70	1.13
USGS073802516 Barataria Pass at Grand Isle	1.26	1.31	1.15	1.05	0.91	0.81	0.74	0.69	0.66	0.62	0.66	1.02
HWQ14 - Lake Washington	1.29	1.27	1.05	0.80	0.67	0.63	0.60	0.58	0.61	0.61	0.73	1.00
HWQ16 - Bayou Grand Liard	1.18	1.25	1.31	1.35	1.34	1.16	0.98	0.82	0.82	0.66	0.68	1.13
CRMS 3985	1.35	1.23	1.28	0.81	0.62	0.61	0.63	0.77	0.87	0.89	1.08	1.35
CRMS 0258	1.49	1.53	1.49	1.56	1.53	1.19	0.86	0.80	1.14	0.93	0.95	1.44
CRMS 0224	1.37	1.45	1.35	1.40	1.30	1.00	0.71	0.66	0.93	0.79	0.78	1.24
CRMS 0163	1.85	1.86	1.91	1.96	1.86	1.97	1.94	1.85	1.88	1.71	1.77	1.90
CRMS 0162	1.68	1.47	1.73	1.74	1.73	1.92	2.01	1.83	1.35	1.11	1.24	1.84

V3PR5 HYST - cy 4 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.01	1.95	1.98	1.99	1.90	1.98	1.99	1.92	1.90	1.93	1.91	1.97
CRMS0276 - Just east of Wilkinson Canal	1.56	1.53	1.66	1.80	1.76	1.48	1.27	1.15	1.40	1.18	1.18	1.62
Barataria Waterway at Lafitte (USACE82875)	1.76	1.82	1.88	1.93	1.87	1.92	1.83	1.76	1.90	1.78	1.63	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.21	1.93	1.85	1.92	1.80	1.88	1.89	1.33	1.14	1.30	1.67	1.87
USGS7380251 Barataria Bay North of Grand Isle	1.63	1.57	1.64	1.64	1.57	1.45	1.31	1.00	0.94	0.87	1.03	1.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.62	1.56	1.72	1.74	1.65	1.56	1.50	1.00	0.94	0.87	0.99	1.72
USGS 07380335 - Little Lake Near Cutoff	1.50	1.49	1.65	1.67	1.59	1.45	1.34	0.98	0.95	0.85	0.90	1.59
USGS073802516 Barataria Pass at Grand Isle	1.51	1.47	1.54	1.49	1.33	1.11	1.09	0.91	0.86	0.79	0.87	1.50
HWQ14 - Lake Washington	1.56	1.52	1.47	1.36	1.20	1.04	1.03	0.88	0.81	0.78	0.90	1.42
HWQ16 - Bayou Grand Liard	1.22	1.29	1.43	1.49	1.44	1.21	1.03	0.90	0.91	0.74	0.77	1.28
CRMS 3985	1.51	1.52	1.53	1.36	1.25	1.11	1.04	0.92	0.92	0.85	0.96	1.46
CRMS 0258	1.82	1.64	1.69	1.73	1.65	1.63	1.63	1.23	1.27	1.11	1.19	1.70
CRMS 0224	1.69	1.60	1.71	1.76	1.67	1.66	1.63	1.07	1.11	0.98	1.06	1.69
CRMS 0163	1.83	1.86	1.91	1.96	1.87	1.98	1.91	1.89	1.91	1.80	1.78	1.90
CRMS 0162	1.66	1.46	1.72	1.72	1.74	1.92	2.01	1.87	1.38	1.16	1.23	1.83

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.61	0.61	0.85	0.97	0.99	1.17	1.30	1.24	1.23	1.23	1.09	0.86
CRMS0276 - Just east of Wilkinson Canal	0.08	0.00	-0.01	0.00	-0.01	-0.08	0.06	0.15	0.06	0.11	0.08	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	0.00	0.00	0.01	0.00	-0.05	0.03	0.03	0.08	0.05	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.79	0.52	0.67	0.71	0.69	0.95	1.21	0.69	0.41	0.56	0.89	0.75
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.32	0.47	0.80	0.90	0.83	0.68	0.33	0.20	0.12	0.11	0.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.21	0.52	0.68	0.78	0.79	0.83	0.36	0.25	0.21	0.29	0.64
USGS 07380335 - Little Lake Near Cutoff	0.22	0.14	0.36	0.45	0.54	0.57	0.56	0.26	0.18	0.15	0.20	0.46
USGS073802516 Barataria Pass at Grand Isle	0.25	0.16	0.40	0.44	0.42	0.30	0.35	0.22	0.20	0.16	0.21	0.47
HWQ14 - Lake Washington	0.27	0.25	0.42	0.56	0.53	0.42	0.43	0.30	0.21	0.16	0.17	0.43
HWQ16 - Bayou Grand Liard	0.04	0.05	0.12	0.14	0.10	0.05	0.05	0.08	0.08	0.08	0.09	0.15
CRMS 3985	0.16	0.30	0.25	0.56	0.63	0.50	0.41	0.15	0.05	-0.04	-0.12	0.11
CRMS 0258	0.33	0.11	0.20	0.17	0.13	0.44	0.76	0.43	0.13	0.17	0.24	0.26
CRMS 0224	0.31	0.16	0.36	0.36	0.37	0.66	0.92	0.41	0.17	0.19	0.28	0.45
CRMS 0163	-0.02	-0.01	0.00	0.00	0.02	0.01	-0.03	0.04	0.03	0.08	0.01	0.00
CRMS 0162	-0.02	0.00	0.00	-0.02	0.01	0.00	0.00	0.03	0.03	0.05	-0.01	-0.01

Figure WQ TOTN 180 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.38	1.45	1.20	1.04	0.89	0.79	0.70	0.69	0.73	0.80	0.87	1.07
CRMS0276 - Just east of Wilkinson Canal	1.29	1.63	1.77	1.79	1.80	1.69	1.36	1.07	1.45	1.34	1.13	1.24
Barataria Waterway at Lafitte (USACE82875)	1.66	1.86	1.90	1.88	1.95	1.97	1.89	1.78	1.90	1.79	1.58	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.47	1.23	1.22	1.04	0.92	0.70	0.66	0.82	0.86	0.85	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.45	1.25	0.85	0.68	0.63	0.64	0.68	0.76	0.79	0.94	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.38	1.32	1.09	0.85	0.75	0.71	0.68	0.75	0.76	0.77	0.99
USGS 07380335 - Little Lake Near Cutoff	1.10	1.38	1.41	1.26	0.99	0.87	0.85	0.77	0.84	0.85	0.79	0.97
USGS073802516 Barataria Pass at Grand Isle	1.10	1.33	1.28	1.09	0.88	0.80	0.80	0.73	0.70	0.72	0.73	0.92
HWQ14 - Lake Washington	1.23	1.36	1.17	0.82	0.68	0.63	0.61	0.60	0.63	0.65	0.76	0.99
HWQ16 - Bayou Grand Liard	0.99	1.31	1.43	1.40	1.29	1.15	1.07	0.87	0.90	0.83	0.73	0.85
CRMS 3985	1.46	1.49	1.33	0.80	0.64	0.62	0.64	0.77	0.88	0.90	1.08	1.36
CRMS 0258	1.34	1.57	1.56	1.57	1.38	1.30	0.93	0.85	1.27	1.14	1.01	1.24
CRMS 0224	1.21	1.48	1.44	1.42	1.19	1.03	0.77	0.70	1.02	0.94	0.86	1.10
CRMS 0163	1.79	1.89	1.94	1.89	1.98	2.01	1.95	1.88	1.90	1.81	1.73	1.83
CRMS 0162	1.74	1.75	1.80	1.78	1.81	1.91	2.01	1.85	1.56	1.54	1.16	1.42

V3PR6 HYST - cy 4 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	2.00	2.00	1.94	2.00	2.00	2.00	1.96	1.93	1.97	1.95	1.93
CRMS0276 - Just east of Wilkinson Canal	1.41	1.64	1.76	1.79	1.70	1.62	1.58	1.28	1.53	1.39	1.20	1.29
Barataria Waterway at Lafitte (USACE82875)	1.68	1.87	1.89	1.88	1.95	1.95	1.81	1.71	1.95	1.82	1.63	1.76
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.94	1.94	1.90	1.98	1.98	1.95	1.50	1.28	1.48	1.83	1.97
USGS7380251 Barataria Bay North of Grand Isle	1.66	1.68	1.83	1.80	1.88	1.84	1.76	1.26	1.10	1.15	1.20	1.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.65	1.74	1.87	1.82	1.90	1.89	1.86	1.44	1.13	1.32	1.14	1.42
USGS 07380335 - Little Lake Near Cutoff	1.50	1.67	1.82	1.78	1.84	1.78	1.74	1.32	1.09	1.27	1.03	1.26
USGS073802516 Barataria Pass at Grand Isle	1.49	1.60	1.70	1.62	1.56	1.47	1.50	1.16	1.00	1.14	0.99	1.22
HWQ14 - Lake Washington	1.55	1.57	1.57	1.51	1.43	1.36	1.37	1.12	0.95	1.05	1.05	1.35
HWQ16 - Bayou Grand Liard	1.14	1.45	1.62	1.62	1.51	1.38	1.28	1.01	1.00	0.95	0.81	0.96
CRMS 3985	1.57	1.47	1.63	1.59	1.61	1.54	1.49	1.15	0.95	0.94	1.09	1.49
CRMS 0258	1.66	1.71	1.79	1.76	1.79	1.77	1.77	1.42	1.34	1.31	1.25	1.47
CRMS 0224	1.62	1.71	1.82	1.78	1.84	1.84	1.84	1.45	1.16	1.33	1.15	1.39
CRMS 0163	1.80	1.91	1.93	1.89	1.98	2.00	1.89	1.87	1.95	1.84	1.76	1.84
CRMS 0162	1.74	1.77	1.78	1.79	1.81	1.90	2.01	1.87	1.57	1.49	1.15	1.42

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.55	0.80	0.90	1.11	1.21	1.29	1.26	1.20	1.18	1.09	0.85
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	-0.01	0.01	-0.10	-0.06	0.22	0.21	0.07	0.05	0.06	0.05
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	-0.01	0.00	0.00	-0.02	-0.08	-0.06	0.05	0.02	0.05	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.50	0.47	0.71	0.68	0.93	1.06	1.25	0.83	0.46	0.62	0.98	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.23	0.57	0.95	1.20	1.21	1.13	0.57	0.34	0.36	0.26	0.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.49	0.36	0.55	0.73	1.05	1.13	1.15	0.76	0.38	0.56	0.37	0.43
USGS 07380335 - Little Lake Near Cutoff	0.40	0.29	0.41	0.52	0.85	0.90	0.89	0.55	0.25	0.43	0.25	0.30
USGS073802516 Barataria Pass at Grand Isle	0.39	0.27	0.42	0.53	0.68	0.67	0.70	0.43	0.30	0.42	0.27	0.30
HWQ14 - Lake Washington	0.31	0.21	0.40	0.69	0.75	0.73	0.76	0.52	0.32	0.40	0.29	0.36
HWQ16 - Bayou Grand Liard	0.16	0.14	0.19	0.21	0.22	0.23	0.21	0.14	0.10	0.12	0.08	0.11
CRMS 3985	0.11	-0.02	0.31	0.79	0.97	0.92	0.85	0.38	0.07	0.05	0.02	0.13
CRMS 0258	0.32	0.14	0.23	0.19	0.42	0.47	0.84	0.57	0.07	0.17	0.24	0.23
CRMS 0224	0.41	0.23	0.38	0.37	0.65	0.81	1.07	0.75	0.15	0.38	0.29	0.29
CRMS 0163	0.00	0.02	0.00	0.00	0.00	0.00	-0.06	-0.01	0.05	0.03	0.02	0.01
CRMS 0162	0.00	0.02	-0.02	0.01	0.00	-0.01	0.00	0.02	0.01	-0.05	0.00	0.00

Figure WQ TOTN 181 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.48	1.16	0.99	0.91	0.80	0.67	0.65	0.63	0.66	0.80	1.09
CRMS0276 - Just east of Wilkinson Canal	1.40	1.73	1.80	1.82	1.85	1.44	0.88	0.79	1.14	0.96	1.14	1.48
Barataria Waterway at Lafitte (USACE82875)	1.72	1.90	1.92	1.95	1.98	1.90	1.72	1.57	1.81	1.58	1.63	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.39	1.51	1.22	1.15	1.09	0.93	0.68	0.61	0.64	0.66	0.76	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.18	0.80	0.68	0.64	0.65	0.75	0.76	0.75	0.93	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.44	1.32	1.02	0.86	0.74	0.62	0.56	0.64	0.61	0.67	1.05
USGS 07380335 - Little Lake Near Cutoff	1.20	1.46	1.43	1.18	1.01	0.82	0.66	0.57	0.68	0.63	0.69	1.07
USGS073802516 Barataria Pass at Grand Isle	1.19	1.40	1.29	1.02	0.89	0.77	0.63	0.55	0.60	0.57	0.64	0.99
HWQ14 - Lake Washington	1.27	1.38	1.13	0.77	0.67	0.63	0.59	0.58	0.61	0.60	0.72	1.01
HWQ16 - Bayou Grand Liard	1.10	1.41	1.48	1.36	1.33	0.96	0.67	0.62	0.72	0.59	0.69	1.02
CRMS 3985	1.47	1.47	1.23	0.75	0.63	0.63	0.72	0.99	0.92	0.90	1.10	1.36
CRMS 0258	1.43	1.64	1.56	1.52	1.46	1.24	0.80	0.65	0.96	0.80	0.94	1.39
CRMS 0224	1.30	1.55	1.45	1.35	1.25	1.00	0.67	0.58	0.79	0.69	0.75	1.19
CRMS 0163	1.83	1.92	1.95	1.97	2.00	1.98	1.81	1.72	1.80	1.58	1.81	1.87
CRMS 0162	1.75	1.84	1.84	1.79	1.82	1.81	1.96	1.55	1.07	0.91	1.29	1.72

V3PR6 HYST - cy 4 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	2.00	2.00	2.01	2.02	2.01	1.91	1.91	1.89	1.88	1.92	1.95
CRMS0276 - Just east of Wilkinson Canal	1.50	1.72	1.79	1.79	1.77	1.40	0.92	0.88	1.18	1.00	1.19	1.53
Barataria Waterway at Lafitte (USACE82875)	1.73	1.89	1.91	1.95	1.98	1.88	1.74	1.64	1.84	1.60	1.67	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.98	1.93	1.96	1.98	1.99	1.66	1.21	1.17	1.02	1.17	1.66	1.88
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.80	1.87	1.88	1.90	1.20	0.91	0.88	0.91	0.89	1.02	1.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.68	1.85	1.90	1.91	1.93	1.31	0.91	0.82	0.87	0.83	0.98	1.52
USGS 07380335 - Little Lake Near Cutoff	1.57	1.79	1.86	1.85	1.87	1.26	0.82	0.71	0.84	0.76	0.89	1.42
USGS073802516 Barataria Pass at Grand Isle	1.50	1.70	1.75	1.67	1.62	1.16	0.77	0.68	0.77	0.72	0.84	1.23
HWQ14 - Lake Washington	1.44	1.62	1.65	1.54	1.50	1.08	0.82	0.74	0.79	0.77	0.89	1.07
HWQ16 - Bayou Grand Liard	1.23	1.60	1.69	1.63	1.57	1.12	0.71	0.67	0.78	0.65	0.76	1.13
CRMS 3985	1.44	1.64	1.72	1.65	1.65	1.09	0.88	0.89	0.96	0.92	0.84	0.99
CRMS 0258	1.74	1.77	1.82	1.84	1.83	1.30	0.97	0.85	0.98	0.89	1.11	1.63
CRMS 0224	1.70	1.80	1.85	1.87	1.87	1.31	0.92	0.82	0.91	0.83	0.99	1.57
CRMS 0163	1.83	1.92	1.94	1.97	2.00	1.97	1.84	1.78	1.82	1.60	1.83	1.89
CRMS 0162	1.75	1.83	1.82	1.75	1.82	1.84	1.96	1.57	1.08	0.89	1.30	1.74

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.57	0.52	0.84	1.02	1.11	1.21	1.24	1.26	1.26	1.22	1.12	0.85
CRMS0276 - Just east of Wilkinson Canal	0.10	-0.01	-0.01	-0.03	-0.08	-0.04	0.04	0.09	0.04	0.03	0.05	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.01	-0.01	0.00	0.00	-0.02	0.02	0.08	0.03	0.02	0.04	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.59	0.42	0.75	0.83	0.91	0.73	0.54	0.55	0.38	0.52	0.90	0.79
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.36	0.69	1.08	1.23	0.57	0.26	0.13	0.15	0.14	0.09	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.41	0.58	0.89	1.06	0.56	0.29	0.25	0.23	0.22	0.30	0.47
USGS 07380335 - Little Lake Near Cutoff	0.37	0.33	0.43	0.67	0.86	0.44	0.16	0.14	0.16	0.13	0.20	0.35
USGS073802516 Barataria Pass at Grand Isle	0.32	0.31	0.47	0.64	0.73	0.39	0.15	0.13	0.17	0.14	0.20	0.24
HWQ14 - Lake Washington	0.17	0.24	0.52	0.78	0.83	0.45	0.23	0.17	0.18	0.17	0.17	0.06
HWQ16 - Bayou Grand Liard	0.13	0.18	0.21	0.27	0.24	0.16	0.04	0.05	0.06	0.06	0.07	0.11
CRMS 3985	-0.03	0.17	0.50	0.89	1.02	0.46	0.16	-0.09	0.04	0.02	-0.26	-0.37
CRMS 0258	0.31	0.13	0.26	0.32	0.37	0.05	0.18	0.21	0.02	0.09	0.17	0.24
CRMS 0224	0.39	0.25	0.40	0.52	0.62	0.31	0.25	0.23	0.12	0.14	0.24	0.37
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.03	0.06	0.02	0.02	0.02	0.01
CRMS 0162	0.00	-0.01	-0.02	-0.03	0.00	0.02	0.00	0.02	0.01	-0.02	0.01	0.03

Figure WQ TOTN 182 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.09	0.91	0.82	0.71	0.62	0.62	0.57	0.60	0.88	1.15
CRMS0276 - Just east of Wilkinson Canal	1.24	1.62	1.57	1.63	1.62	1.26	0.65	0.56	0.81	0.97	1.30	1.44
Barataria Waterway at Lafitte (USACE82875)	1.59	1.84	1.87	1.90	1.89	1.88	1.42	1.26	1.22	1.72	1.71	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.42	1.08	1.09	0.98	0.84	0.61	0.57	0.52	0.55	0.84	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.38	1.24	0.75	0.62	0.59	0.76	0.79	0.75	0.76	0.99	1.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.35	1.19	0.93	0.75	0.65	0.55	0.50	0.54	0.53	0.76	1.11
USGS 07380335 - Little Lake Near Cutoff	1.10	1.36	1.24	1.06	0.85	0.71	0.54	0.46	0.53	0.54	0.80	1.12
USGS073802516 Barataria Pass at Grand Isle	1.11	1.30	1.15	0.91	0.74	0.64	0.52	0.46	0.51	0.50	0.72	1.05
HWQ14 - Lake Washington	1.25	1.31	1.14	0.72	0.59	0.55	0.58	0.56	0.60	0.58	0.76	1.08
HWQ16 - Bayou Grand Liard	0.97	1.29	1.21	1.14	1.03	0.80	0.53	0.50	0.55	0.54	0.80	1.02
CRMS 3985	1.43	1.42	1.36	0.73	0.59	0.64	1.00	1.07	0.91	0.92	1.16	1.40
CRMS 0258	1.30	1.55	1.31	1.47	1.35	1.08	0.64	0.55	0.68	0.70	1.11	1.36
CRMS 0224	1.21	1.45	1.24	1.26	1.11	0.89	0.57	0.50	0.58	0.59	0.88	1.21
CRMS 0163	1.74	1.87	1.91	1.88	1.93	1.87	1.52	1.47	1.24	1.74	1.85	1.86
CRMS 0162	1.58	1.70	1.55	1.45	1.48	1.51	1.44	1.09	0.71	1.11	1.46	1.70

V3PR6 HYST - cy 4 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	2.00	2.00	1.94	1.95	1.90	1.92	1.91	1.86	1.83	1.87	1.89
CRMS0276 - Just east of Wilkinson Canal	1.29	1.64	1.60	1.67	1.54	1.27	0.70	0.60	0.87	1.01	1.33	1.51
Barataria Waterway at Lafitte (USACE82875)	1.63	1.86	1.91	1.90	1.90	1.91	1.48	1.30	1.31	1.74	1.76	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.72	1.91	1.85	1.56	1.63	0.89	1.00	1.01	0.86	0.97	1.37	1.70
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.58	1.41	1.19	1.34	0.74	0.71	0.75	0.79	0.82	0.98	0.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.28	1.71	1.55	1.33	1.55	0.81	0.71	0.66	0.69	0.71	0.96	1.21
USGS 07380335 - Little Lake Near Cutoff	1.18	1.61	1.47	1.36	1.42	0.82	0.62	0.54	0.64	0.65	0.94	1.22
USGS073802516 Barataria Pass at Grand Isle	1.15	1.53	1.35	1.19	1.09	0.77	0.59	0.52	0.61	0.61	0.85	1.09
HWQ14 - Lake Washington	1.20	1.45	1.21	1.02	0.94	0.71	0.64	0.62	0.68	0.69	0.84	0.93
HWQ16 - Bayou Grand Liard	1.04	1.37	1.28	1.26	1.11	0.86	0.55	0.51	0.61	0.59	0.85	1.09
CRMS 3985	1.30	1.34	1.13	1.01	0.97	0.73	0.72	0.86	0.89	0.90	0.82	0.87
CRMS 0258	1.41	1.68	1.50	1.51	1.35	1.01	0.74	0.67	0.72	0.76	1.18	1.52
CRMS 0224	1.29	1.68	1.52	1.43	1.45	0.91	0.69	0.63	0.68	0.69	1.01	1.36
CRMS 0163	1.75	1.90	1.95	1.89	1.93	1.90	1.60	1.54	1.33	1.77	1.88	1.87
CRMS 0162	1.59	1.72	1.57	1.52	1.53	1.55	1.48	1.10	0.74	1.14	1.50	1.73

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.60	0.91	1.04	1.13	1.19	1.30	1.29	1.29	1.23	0.99	0.74
CRMS0276 - Just east of Wilkinson Canal	0.06	0.02	0.03	0.03	-0.07	0.01	0.05	0.04	0.06	0.05	0.03	0.07
Barataria Waterway at Lafitte (USACE82875)	0.03	0.02	0.04	0.01	0.01	0.02	0.06	0.05	0.09	0.02	0.05	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.39	0.49	0.77	0.47	0.64	0.05	0.40	0.44	0.34	0.42	0.53	0.56
USGS7380251 Barataria Bay North of Grand Isle	-0.04	0.20	0.17	0.44	0.73	0.16	-0.05	-0.04	0.04	0.06	-0.01	-0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.37	0.36	0.40	0.80	0.16	0.15	0.16	0.16	0.18	0.20	0.10
USGS 07380335 - Little Lake Near Cutoff	0.08	0.25	0.23	0.30	0.57	0.11	0.08	0.08	0.11	0.11	0.13	0.09
USGS073802516 Barataria Pass at Grand Isle	0.04	0.23	0.19	0.28	0.35	0.13	0.07	0.06	0.10	0.11	0.13	0.03
HWQ14 - Lake Washington	-0.05	0.14	0.07	0.30	0.35	0.16	0.06	0.06	0.08	0.11	0.08	-0.15
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.12	0.08	0.06	0.02	0.01	0.06	0.06	0.05	0.07
CRMS 3985	-0.13	-0.08	-0.23	0.27	0.38	0.09	-0.28	-0.21	-0.02	-0.02	-0.34	-0.53
CRMS 0258	0.11	0.13	0.19	0.05	0.00	-0.06	0.10	0.12	0.03	0.07	0.07	0.16
CRMS 0224	0.09	0.23	0.28	0.16	0.35	0.02	0.12	0.13	0.10	0.11	0.12	0.14
CRMS 0163	0.02	0.03	0.04	0.01	0.00	0.03	0.08	0.06	0.10	0.03	0.03	0.02
CRMS 0162	0.01	0.02	0.02	0.08	0.05	0.04	0.04	0.01	0.03	0.03	0.03	0.02

Figure WQ TOTN 183 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.39	1.49	1.15	0.98	0.89	0.82	0.75	0.76	0.76	0.76	0.88	1.11
CRMS0276 - Just east of Wilkinson Canal	1.37	1.77	1.77	1.79	1.76	1.64	1.20	1.08	1.42	1.17	1.15	1.32
Barataria Waterway at Lafitte (USACE82875)	1.74	1.91	1.93	1.94	1.95	1.95	1.85	1.80	1.87	1.74	1.60	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.37	1.53	1.19	1.15	1.05	0.97	0.72	0.71	0.82	0.79	0.84	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.17	0.79	0.67	0.65	0.78	0.83	0.83	0.82	0.98	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.47	1.28	1.00	0.81	0.76	0.67	0.67	0.76	0.71	0.77	1.03
USGS 07380335 - Little Lake Near Cutoff	1.17	1.50	1.38	1.16	0.93	0.88	0.75	0.75	0.84	0.76	0.78	1.02
USGS073802516 Barataria Pass at Grand Isle	1.16	1.43	1.26	0.99	0.82	0.79	0.71	0.70	0.71	0.67	0.73	0.96
HWQ14 - Lake Washington	1.26	1.39	1.12	0.75	0.64	0.61	0.64	0.64	0.67	0.66	0.79	1.03
HWQ16 - Bayou Grand Liard	1.10	1.47	1.42	1.30	1.17	1.11	0.93	0.88	0.88	0.71	0.73	0.92
CRMS 3985	1.47	1.47	1.21	0.74	0.63	0.66	0.95	1.03	0.96	0.95	1.14	1.40
CRMS 0258	1.36	1.67	1.52	1.54	1.42	1.32	0.89	0.85	1.24	0.98	1.01	1.29
CRMS 0224	1.26	1.58	1.40	1.35	1.18	1.07	0.72	0.69	1.01	0.84	0.85	1.14
CRMS 0163	1.85	1.93	1.96	1.95	1.98	1.98	1.89	1.88	1.89	1.77	1.76	1.83
CRMS 0162	1.81	1.87	1.77	1.70	1.65	1.87	1.97	1.85	1.46	1.32	1.20	1.52

V3PR6 HYST - cy 4 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	2.00	1.95	1.92	1.90	1.92	1.91
CRMS0276 - Just east of Wilkinson Canal	1.55	1.76	1.79	1.77	1.67	1.58	1.48	1.37	1.51	1.25	1.21	1.37
Barataria Waterway at Lafitte (USACE82875)	1.73	1.90	1.92	1.93	1.93	1.92	1.78	1.73	1.94	1.79	1.63	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.91	1.95	1.97	1.98	2.00	1.96	1.92	1.53	1.02	1.19	1.70	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.76	1.84	1.88	1.83	1.80	1.74	1.66	1.31	0.95	0.90	1.13	1.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.81	1.87	1.92	1.88	1.86	1.84	1.82	1.48	1.00	0.92	1.08	1.39
USGS 07380335 - Little Lake Near Cutoff	1.69	1.82	1.88	1.82	1.76	1.71	1.67	1.42	1.05	0.90	0.99	1.26
USGS073802516 Barataria Pass at Grand Isle	1.64	1.75	1.77	1.63	1.48	1.40	1.40	1.27	0.94	0.83	0.94	1.21
HWQ14 - Lake Washington	1.59	1.68	1.67	1.50	1.35	1.30	1.26	1.16	0.87	0.81	0.98	1.31
HWQ16 - Bayou Grand Liard	1.31	1.67	1.64	1.57	1.40	1.32	1.13	1.04	0.99	0.79	0.80	1.01
CRMS 3985	1.64	1.71	1.71	1.57	1.51	1.41	1.35	1.17	0.90	0.87	1.08	1.47
CRMS 0258	1.76	1.79	1.89	1.80	1.73	1.70	1.71	1.46	1.33	1.10	1.22	1.48
CRMS 0224	1.76	1.82	1.90	1.85	1.79	1.80	1.81	1.49	1.14	0.98	1.10	1.38
CRMS 0163	1.84	1.93	1.96	1.93	1.97	1.97	1.86	1.86	1.95	1.81	1.76	1.84
CRMS 0162	1.81	1.87	1.74	1.70	1.65	1.87	2.01	1.89	1.48	1.34	1.19	1.51

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.51	0.85	1.03	1.12	1.18	1.25	1.19	1.16	1.14	1.04	0.80
CRMS0276 - Just east of Wilkinson Canal	0.18	-0.01	0.02	-0.02	-0.09	-0.06	0.28	0.29	0.10	0.08	0.06	0.05
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	-0.01	-0.02	-0.03	-0.07	-0.07	0.07	0.05	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.54	0.41	0.78	0.82	0.95	0.98	1.20	0.82	0.21	0.40	0.86	0.79
USGS7380251 Barataria Bay North of Grand Isle	0.37	0.38	0.71	1.04	1.13	1.09	0.88	0.48	0.11	0.09	0.15	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.40	0.64	0.89	1.05	1.08	1.15	0.81	0.24	0.21	0.31	0.35
USGS 07380335 - Little Lake Near Cutoff	0.51	0.32	0.49	0.66	0.83	0.84	0.92	0.67	0.21	0.14	0.21	0.24
USGS073802516 Barataria Pass at Grand Isle	0.47	0.32	0.52	0.64	0.66	0.61	0.69	0.56	0.23	0.16	0.21	0.25
HWQ14 - Lake Washington	0.33	0.29	0.55	0.75	0.71	0.68	0.62	0.52	0.20	0.16	0.20	0.28
HWQ16 - Bayou Grand Liard	0.21	0.20	0.22	0.27	0.23	0.21	0.21	0.16	0.11	0.08	0.07	0.09
CRMS 3985	0.17	0.24	0.50	0.83	0.88	0.75	0.40	0.13	-0.06	-0.08	-0.06	0.07
CRMS 0258	0.40	0.13	0.37	0.26	0.31	0.38	0.82	0.61	0.09	0.12	0.21	0.19
CRMS 0224	0.51	0.24	0.50	0.50	0.60	0.73	1.08	0.80	0.13	0.15	0.25	0.24
CRMS 0163	-0.01	0.00	-0.01	-0.02	-0.01	-0.01	-0.03	-0.01	0.06	0.04	0.00	0.01
CRMS 0162	0.00	-0.01	-0.02	-0.01	0.00	0.01	0.04	0.04	0.02	0.02	-0.01	-0.01

Figure WQ TOTN 184 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.34	1.13	1.03	0.91	0.81	0.69	0.68	0.67	0.70	0.81	1.11
CRMS0276 - Just east of Wilkinson Canal	1.48	1.53	1.68	1.80	1.78	1.57	1.21	1.00	1.34	1.07	1.10	1.61
Barataria Waterway at Lafitte (USACE82875)	1.76	1.83	1.88	1.94	1.85	1.92	1.88	1.73	1.87	1.70	1.58	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.42	1.41	1.18	1.21	1.11	0.93	0.68	0.64	0.73	0.74	0.78	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.25	1.17	0.84	0.67	0.63	0.63	0.67	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.35	1.20	1.06	0.88	0.76	0.67	0.64	0.70	0.66	0.70	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.35	1.29	1.22	1.05	0.88	0.77	0.72	0.77	0.70	0.70	1.13
USGS073802516 Barataria Pass at Grand Isle	1.26	1.31	1.15	1.05	0.91	0.81	0.74	0.69	0.66	0.62	0.66	1.02
HWQ14 - Lake Washington	1.29	1.27	1.05	0.80	0.67	0.63	0.60	0.58	0.61	0.61	0.73	1.00
HWQ16 - Bayou Grand Liard	1.18	1.25	1.31	1.35	1.34	1.16	0.98	0.82	0.82	0.66	0.68	1.13
CRMS 3985	1.35	1.23	1.28	0.81	0.62	0.61	0.63	0.77	0.87	0.89	1.08	1.35
CRMS 0258	1.49	1.53	1.49	1.56	1.53	1.19	0.86	0.80	1.14	0.93	0.95	1.44
CRMS 0224	1.37	1.45	1.35	1.40	1.30	1.00	0.71	0.66	0.93	0.79	0.78	1.24
CRMS 0163	1.85	1.86	1.91	1.96	1.86	1.97	1.94	1.85	1.88	1.71	1.77	1.90
CRMS 0162	1.68	1.47	1.73	1.74	1.73	1.92	2.01	1.83	1.35	1.11	1.24	1.84

V3PR6 HYST - cy 4 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.05	1.97	1.99	2.00	1.91	1.99	2.00	1.92	1.90	1.92	1.91	1.99
CRMS0276 - Just east of Wilkinson Canal	1.59	1.54	1.67	1.80	1.76	1.57	1.49	1.19	1.43	1.15	1.17	1.63
Barataria Waterway at Lafitte (USACE82875)	1.76	1.81	1.88	1.93	1.86	1.91	1.76	1.75	1.91	1.75	1.63	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	2.67	2.19	1.92	1.96	1.87	1.96	1.94	1.22	1.05	1.23	1.75	1.91
USGS7380251 Barataria Bay North of Grand Isle	1.77	1.65	1.78	1.85	1.78	1.81	1.68	1.06	0.95	0.91	1.15	1.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.75	1.65	1.82	1.88	1.80	1.85	1.83	1.12	0.97	0.91	1.07	1.83
USGS 07380335 - Little Lake Near Cutoff	1.61	1.56	1.76	1.83	1.76	1.75	1.68	1.08	0.99	0.86	0.95	1.75
USGS073802516 Barataria Pass at Grand Isle	1.59	1.54	1.65	1.66	1.56	1.44	1.41	1.01	0.89	0.81	0.91	1.64
HWQ14 - Lake Washington	1.65	1.59	1.57	1.54	1.44	1.34	1.28	1.01	0.86	0.81	0.98	1.54
HWQ16 - Bayou Grand Liard	1.27	1.32	1.52	1.61	1.53	1.36	1.17	0.94	0.94	0.74	0.77	1.39
CRMS 3985	1.59	1.58	1.64	1.62	1.57	1.52	1.38	1.05	0.94	0.89	1.09	1.61
CRMS 0258	1.91	1.69	1.73	1.81	1.71	1.73	1.72	1.18	1.22	1.06	1.18	1.74
CRMS 0224	1.80	1.65	1.76	1.84	1.74	1.81	1.82	1.11	1.08	0.96	1.07	1.76
CRMS 0163	1.83	1.85	1.91	1.95	1.87	1.97	1.87	1.89	1.91	1.76	1.78	1.90
CRMS 0162	1.66	1.47	1.71	1.73	1.74	1.93	2.02	1.85	1.36	1.11	1.23	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.65	0.63	0.86	0.97	1.00	1.18	1.30	1.24	1.23	1.22	1.10	0.87
CRMS0276 - Just east of Wilkinson Canal	0.11	0.00	0.00	0.00	-0.01	0.00	0.28	0.19	0.08	0.08	0.07	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	-0.01	-0.01	0.01	-0.01	-0.12	0.02	0.04	0.05	0.05	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.25	0.77	0.74	0.76	0.76	1.03	1.26	0.58	0.32	0.49	0.96	0.79
USGS7380251 Barataria Bay North of Grand Isle	0.40	0.40	0.61	1.00	1.11	1.18	1.06	0.39	0.22	0.16	0.24	0.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.45	0.30	0.62	0.82	0.92	1.09	1.16	0.48	0.27	0.25	0.38	0.76
USGS 07380335 - Little Lake Near Cutoff	0.32	0.20	0.47	0.61	0.71	0.87	0.90	0.36	0.22	0.16	0.25	0.62
USGS073802516 Barataria Pass at Grand Isle	0.34	0.23	0.50	0.61	0.65	0.63	0.66	0.33	0.24	0.18	0.25	0.62
HWQ14 - Lake Washington	0.36	0.33	0.52	0.74	0.78	0.71	0.68	0.43	0.25	0.20	0.25	0.54
HWQ16 - Bayou Grand Liard	0.09	0.07	0.22	0.26	0.20	0.20	0.19	0.12	0.11	0.08	0.09	0.27
CRMS 3985	0.24	0.35	0.36	0.81	0.95	0.91	0.75	0.27	0.07	-0.01	0.01	0.26
CRMS 0258	0.42	0.16	0.24	0.25	0.19	0.54	0.86	0.38	0.08	0.13	0.24	0.30
CRMS 0224	0.42	0.20	0.41	0.45	0.44	0.81	1.11	0.45	0.15	0.17	0.29	0.52
CRMS 0163	-0.02	-0.01	0.00	-0.01	0.01	0.00	-0.07	0.04	0.03	0.05	0.01	0.00
CRMS 0162	-0.02	0.00	-0.02	0.00	0.01	0.02	0.00	0.02	0.01	0.00	-0.01	-0.01

Figure WQ TOTN 185 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.38	1.45	1.20	1.04	0.89	0.79	0.70	0.69	0.73	0.80	0.87	1.07
CRMS0276 - Just east of Wilkinson Canal	1.29	1.63	1.77	1.79	1.80	1.69	1.36	1.07	1.45	1.34	1.13	1.24
Barataria Waterway at Lafitte (USACE82875)	1.66	1.86	1.90	1.88	1.95	1.97	1.89	1.78	1.90	1.79	1.58	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.47	1.23	1.22	1.04	0.92	0.70	0.66	0.82	0.86	0.85	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.45	1.25	0.85	0.68	0.63	0.64	0.68	0.76	0.79	0.94	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.38	1.32	1.09	0.85	0.75	0.71	0.68	0.75	0.76	0.77	0.99
USGS 07380335 - Little Lake Near Cutoff	1.10	1.38	1.41	1.26	0.99	0.87	0.85	0.77	0.84	0.85	0.79	0.97
USGS073802516 Barataria Pass at Grand Isle	1.10	1.33	1.28	1.09	0.88	0.80	0.80	0.73	0.70	0.72	0.73	0.92
HWQ14 - Lake Washington	1.23	1.36	1.17	0.82	0.68	0.63	0.61	0.60	0.63	0.65	0.76	0.99
HWQ16 - Bayou Grand Liard	0.99	1.31	1.43	1.40	1.29	1.15	1.07	0.87	0.90	0.83	0.73	0.85
CRMS 3985	1.46	1.49	1.33	0.80	0.64	0.62	0.64	0.77	0.88	0.90	1.08	1.36
CRMS 0258	1.34	1.57	1.56	1.57	1.38	1.30	0.93	0.85	1.27	1.14	1.01	1.24
CRMS 0224	1.21	1.48	1.44	1.42	1.19	1.03	0.77	0.70	1.02	0.94	0.86	1.10
CRMS 0163	1.79	1.89	1.94	1.89	1.98	2.01	1.95	1.88	1.90	1.81	1.73	1.83
CRMS 0162	1.74	1.75	1.80	1.78	1.81	1.91	2.01	1.85	1.56	1.54	1.16	1.42

V3PR7 HYST - cy 4 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	2.00	2.00	1.94	2.00	2.00	2.00	1.96	1.93	1.97	1.95	1.93
CRMS0276 - Just east of Wilkinson Canal	1.40	1.64	1.76	1.80	1.70	1.63	1.59	1.29	1.55	1.40	1.19	1.29
Barataria Waterway at Lafitte (USACE82875)	1.68	1.87	1.89	1.88	1.95	1.94	1.81	1.71	1.96	1.81	1.61	1.76
USGS2928590900040000 Barataria Waterway South of Lafitte	1.86	1.92	1.93	1.89	1.97	1.97	1.93	1.47	1.32	1.52	1.87	1.97
USGS7380251 Barataria Bay North of Grand Isle	1.66	1.68	1.83	1.79	1.88	1.83	1.76	1.24	1.10	1.14	1.19	1.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.64	1.74	1.88	1.83	1.91	1.89	1.86	1.43	1.13	1.31	1.13	1.41
USGS 07380335 - Little Lake Near Cutoff	1.49	1.67	1.83	1.78	1.84	1.78	1.75	1.32	1.10	1.27	1.04	1.26
USGS073802516 Barataria Pass at Grand Isle	1.48	1.60	1.70	1.62	1.56	1.47	1.51	1.16	1.00	1.14	0.99	1.22
HWQ14 - Lake Washington	1.54	1.57	1.57	1.50	1.42	1.35	1.35	1.12	0.95	1.04	1.05	1.34
HWQ16 - Bayou Grand Liard	1.13	1.45	1.63	1.61	1.51	1.38	1.29	1.01	1.01	0.95	0.82	0.96
CRMS 3985	1.56	1.47	1.62	1.57	1.58	1.50	1.46	1.13	0.94	0.93	1.09	1.49
CRMS 0258	1.67	1.71	1.80	1.77	1.81	1.78	1.76	1.42	1.35	1.32	1.26	1.46
CRMS 0224	1.62	1.71	1.82	1.79	1.84	1.85	1.85	1.46	1.17	1.34	1.16	1.39
CRMS 0163	1.79	1.91	1.93	1.89	1.98	2.00	1.89	1.87	1.95	1.84	1.75	1.84
CRMS 0162	1.73	1.77	1.78	1.78	1.81	1.92	2.01	1.87	1.58	1.52	1.16	1.43

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.55	0.80	0.90	1.11	1.21	1.29	1.27	1.20	1.18	1.08	0.85
CRMS0276 - Just east of Wilkinson Canal	0.11	0.01	-0.01	0.01	-0.10	-0.06	0.22	0.22	0.09	0.06	0.06	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	-0.01	0.00	0.00	-0.03	-0.08	-0.07	0.06	0.01	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.51	0.45	0.69	0.67	0.93	1.04	1.22	0.81	0.51	0.67	1.02	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.23	0.57	0.95	1.20	1.20	1.12	0.56	0.34	0.35	0.25	0.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.48	0.36	0.55	0.73	1.06	1.14	1.15	0.75	0.38	0.56	0.36	0.42
USGS 07380335 - Little Lake Near Cutoff	0.39	0.29	0.41	0.53	0.86	0.91	0.90	0.55	0.26	0.43	0.25	0.29
USGS073802516 Barataria Pass at Grand Isle	0.38	0.27	0.42	0.53	0.68	0.67	0.70	0.43	0.30	0.42	0.27	0.30
HWQ14 - Lake Washington	0.30	0.21	0.39	0.68	0.74	0.72	0.74	0.51	0.32	0.40	0.28	0.35
HWQ16 - Bayou Grand Liard	0.14	0.14	0.20	0.21	0.22	0.23	0.21	0.14	0.12	0.12	0.09	0.10
CRMS 3985	0.10	-0.02	0.29	0.77	0.94	0.88	0.82	0.36	0.06	0.04	0.01	0.13
CRMS 0258	0.33	0.14	0.24	0.20	0.43	0.48	0.83	0.57	0.07	0.18	0.25	0.22
CRMS 0224	0.41	0.24	0.38	0.37	0.65	0.81	1.08	0.76	0.16	0.39	0.30	0.30
CRMS 0163	0.00	0.02	0.00	0.00	0.00	-0.01	-0.05	-0.01	0.06	0.02	0.02	0.01
CRMS 0162	0.00	0.03	-0.02	0.00	0.00	0.01	0.01	0.02	0.01	-0.02	0.01	0.00

Figure WQ TOTN 186 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.48	1.16	0.99	0.91	0.80	0.67	0.65	0.63	0.66	0.80	1.09
CRMS0276 - Just east of Wilkinson Canal	1.40	1.73	1.80	1.82	1.85	1.44	0.88	0.79	1.14	0.96	1.14	1.48
Barataria Waterway at Lafitte (USACE82875)	1.72	1.90	1.92	1.95	1.98	1.90	1.72	1.57	1.81	1.58	1.63	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.39	1.51	1.22	1.15	1.09	0.93	0.68	0.61	0.64	0.66	0.76	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.18	0.80	0.68	0.64	0.65	0.75	0.76	0.75	0.93	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.44	1.32	1.02	0.86	0.74	0.62	0.56	0.64	0.61	0.67	1.05
USGS 07380335 - Little Lake Near Cutoff	1.20	1.46	1.43	1.18	1.01	0.82	0.66	0.57	0.68	0.63	0.69	1.07
USGS073802516 Barataria Pass at Grand Isle	1.19	1.40	1.29	1.02	0.89	0.77	0.63	0.55	0.60	0.57	0.64	0.99
HWQ14 - Lake Washington	1.27	1.38	1.13	0.77	0.67	0.63	0.59	0.58	0.61	0.60	0.72	1.01
HWQ16 - Bayou Grand Liard	1.10	1.41	1.48	1.36	1.33	0.96	0.67	0.62	0.72	0.59	0.69	1.02
CRMS 3985	1.47	1.47	1.23	0.75	0.63	0.63	0.72	0.99	0.92	0.90	1.10	1.36
CRMS 0258	1.43	1.64	1.56	1.52	1.46	1.24	0.80	0.65	0.96	0.80	0.94	1.39
CRMS 0224	1.30	1.55	1.45	1.35	1.25	1.00	0.67	0.58	0.79	0.69	0.75	1.19
CRMS 0163	1.83	1.92	1.95	1.97	2.00	1.98	1.81	1.72	1.80	1.58	1.81	1.87
CRMS 0162	1.75	1.84	1.84	1.79	1.82	1.81	1.96	1.55	1.07	0.91	1.29	1.72

V3PR7 HYST - cy 4 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	2.00	2.00	2.01	2.02	2.01	1.92	1.91	1.87	1.87	1.92	1.95
CRMS0276 - Just east of Wilkinson Canal	1.51	1.72	1.79	1.80	1.78	1.41	0.91	0.87	1.18	1.01	1.20	1.53
Barataria Waterway at Lafitte (USACE82875)	1.73	1.89	1.91	1.95	1.97	1.87	1.73	1.61	1.83	1.63	1.67	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.95	1.91	1.95	1.97	1.99	1.67	1.31	1.26	1.06	1.23	1.70	1.88
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.80	1.87	1.88	1.90	1.19	0.90	0.87	0.90	0.89	1.03	1.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.68	1.86	1.90	1.91	1.93	1.30	0.90	0.80	0.86	0.83	0.99	1.53
USGS 07380335 - Little Lake Near Cutoff	1.57	1.80	1.86	1.86	1.88	1.26	0.81	0.71	0.84	0.76	0.91	1.43
USGS073802516 Barataria Pass at Grand Isle	1.50	1.70	1.76	1.66	1.62	1.15	0.77	0.67	0.77	0.72	0.85	1.23
HWQ14 - Lake Washington	1.44	1.61	1.65	1.53	1.48	1.07	0.82	0.73	0.78	0.77	0.89	1.07
HWQ16 - Bayou Grand Liard	1.22	1.60	1.69	1.63	1.57	1.14	0.71	0.66	0.78	0.65	0.77	1.13
CRMS 3985	1.43	1.63	1.71	1.62	1.62	1.07	0.87	0.88	0.96	0.93	0.85	0.99
CRMS 0258	1.75	1.77	1.82	1.85	1.84	1.31	0.99	0.87	0.98	0.91	1.13	1.64
CRMS 0224	1.70	1.80	1.85	1.88	1.87	1.31	0.92	0.82	0.92	0.84	1.02	1.58
CRMS 0163	1.83	1.92	1.94	1.97	2.00	1.96	1.84	1.77	1.82	1.65	1.83	1.89
CRMS 0162	1.75	1.83	1.81	1.77	1.82	1.83	1.97	1.57	1.10	0.95	1.30	1.74

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.52	0.84	1.02	1.11	1.20	1.24	1.26	1.25	1.21	1.12	0.86
CRMS0276 - Just east of Wilkinson Canal	0.10	-0.01	-0.01	-0.02	-0.07	-0.03	0.03	0.08	0.03	0.05	0.06	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.01	-0.01	-0.01	0.00	-0.03	0.01	0.05	0.02	0.05	0.04	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.56	0.40	0.74	0.82	0.90	0.74	0.63	0.65	0.42	0.58	0.94	0.79
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.35	0.69	1.08	1.22	0.55	0.25	0.12	0.14	0.14	0.10	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.41	0.58	0.89	1.07	0.56	0.28	0.24	0.23	0.22	0.31	0.48
USGS 07380335 - Little Lake Near Cutoff	0.37	0.33	0.43	0.68	0.87	0.44	0.16	0.13	0.16	0.13	0.22	0.36
USGS073802516 Barataria Pass at Grand Isle	0.32	0.31	0.47	0.64	0.73	0.39	0.14	0.12	0.17	0.15	0.21	0.24
HWQ14 - Lake Washington	0.17	0.23	0.52	0.76	0.81	0.44	0.23	0.16	0.17	0.17	0.17	0.06
HWQ16 - Bayou Grand Liard	0.13	0.18	0.21	0.27	0.25	0.17	0.04	0.04	0.06	0.06	0.08	0.11
CRMS 3985	-0.04	0.16	0.48	0.86	0.99	0.44	0.15	-0.11	0.04	0.03	-0.25	-0.37
CRMS 0258	0.32	0.13	0.26	0.33	0.38	0.06	0.20	0.23	0.03	0.10	0.19	0.25
CRMS 0224	0.40	0.25	0.41	0.53	0.62	0.31	0.25	0.23	0.12	0.15	0.26	0.38
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.02	0.03	0.05	0.03	0.06	0.02	0.02
CRMS 0162	0.00	-0.01	-0.02	-0.01	0.00	0.02	0.00	0.02	0.03	0.04	0.01	0.02

Figure WQ TOTN 187 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.09	0.91	0.82	0.71	0.62	0.62	0.57	0.60	0.88	1.15
CRMS0276 - Just east of Wilkinson Canal	1.24	1.62	1.57	1.63	1.62	1.26	0.65	0.56	0.81	0.97	1.30	1.44
Barataria Waterway at Lafitte (USACE82875)	1.59	1.84	1.87	1.90	1.89	1.88	1.42	1.26	1.22	1.72	1.71	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.42	1.08	1.09	0.98	0.84	0.61	0.57	0.52	0.55	0.84	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.38	1.24	0.75	0.62	0.59	0.76	0.79	0.75	0.76	0.99	1.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.35	1.19	0.93	0.75	0.65	0.55	0.50	0.54	0.53	0.76	1.11
USGS 07380335 - Little Lake Near Cutoff	1.10	1.36	1.24	1.06	0.85	0.71	0.54	0.46	0.53	0.54	0.80	1.12
USGS073802516 Barataria Pass at Grand Isle	1.11	1.30	1.15	0.91	0.74	0.64	0.52	0.46	0.51	0.50	0.72	1.05
HWQ14 - Lake Washington	1.25	1.31	1.14	0.72	0.59	0.55	0.58	0.56	0.60	0.58	0.76	1.08
HWQ16 - Bayou Grand Liard	0.97	1.29	1.21	1.14	1.03	0.80	0.53	0.50	0.55	0.54	0.80	1.02
CRMS 3985	1.43	1.42	1.36	0.73	0.59	0.64	1.00	1.07	0.91	0.92	1.16	1.40
CRMS 0258	1.30	1.55	1.31	1.47	1.35	1.08	0.64	0.55	0.68	0.70	1.11	1.36
CRMS 0224	1.21	1.45	1.24	1.26	1.11	0.89	0.57	0.50	0.58	0.59	0.88	1.21
CRMS 0163	1.74	1.87	1.91	1.88	1.93	1.87	1.52	1.47	1.24	1.74	1.85	1.86
CRMS 0162	1.58	1.70	1.55	1.45	1.48	1.51	1.44	1.09	0.71	1.11	1.46	1.70

V3PR7 HYST - cy 4 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.90	1.99	1.99	1.94	1.94	1.90	1.93	1.91	1.86	1.82	1.87	1.92
CRMS0276 - Just east of Wilkinson Canal	1.26	1.63	1.60	1.67	1.54	1.27	0.70	0.62	0.89	1.02	1.34	1.51
Barataria Waterway at Lafitte (USACE82875)	1.63	1.86	1.91	1.90	1.89	1.90	1.49	1.35	1.34	1.74	1.77	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.75	1.89	1.83	1.59	1.58	1.00	1.16	1.14	0.93	1.07	1.45	1.76
USGS7380251 Barataria Bay North of Grand Isle	0.96	1.52	1.35	1.18	1.34	0.74	0.71	0.76	0.80	0.82	0.99	0.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.68	1.51	1.32	1.55	0.80	0.69	0.65	0.70	0.72	0.96	1.20
USGS 07380335 - Little Lake Near Cutoff	1.08	1.58	1.44	1.35	1.42	0.82	0.62	0.54	0.65	0.66	0.95	1.22
USGS073802516 Barataria Pass at Grand Isle	1.02	1.46	1.30	1.18	1.09	0.76	0.59	0.52	0.62	0.62	0.85	1.08
HWQ14 - Lake Washington	0.91	1.32	1.13	1.01	0.93	0.71	0.64	0.63	0.68	0.69	0.84	0.91
HWQ16 - Bayou Grand Liard	0.98	1.34	1.27	1.25	1.11	0.85	0.55	0.51	0.62	0.60	0.86	1.08
CRMS 3985	0.84	1.20	1.04	0.99	0.95	0.73	0.72	0.87	0.90	0.90	0.83	0.63
CRMS 0258	1.40	1.68	1.52	1.52	1.37	1.03	0.77	0.71	0.75	0.79	1.21	1.53
CRMS 0224	1.22	1.67	1.52	1.43	1.47	0.92	0.70	0.65	0.71	0.71	1.03	1.37
CRMS 0163	1.76	1.90	1.95	1.89	1.93	1.90	1.63	1.57	1.38	1.77	1.88	1.90
CRMS 0162	1.59	1.72	1.56	1.53	1.51	1.56	1.50	1.13	0.75	1.15	1.48	1.76

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.55	0.60	0.91	1.03	1.13	1.18	1.30	1.29	1.28	1.22	0.99	0.77
CRMS0276 - Just east of Wilkinson Canal	0.02	0.02	0.03	0.03	-0.08	0.00	0.05	0.06	0.07	0.05	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.04	0.02	0.04	0.00	0.00	0.02	0.07	0.09	0.12	0.02	0.05	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.47	0.76	0.49	0.60	0.15	0.55	0.57	0.41	0.52	0.61	0.62
USGS7380251 Barataria Bay North of Grand Isle	-0.41	0.13	0.11	0.43	0.72	0.16	-0.05	-0.04	0.05	0.06	-0.01	-0.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	0.33	0.32	0.39	0.80	0.15	0.14	0.16	0.16	0.19	0.20	0.09
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.22	0.20	0.30	0.57	0.11	0.08	0.08	0.12	0.11	0.15	0.10
USGS073802516 Barataria Pass at Grand Isle	-0.09	0.16	0.15	0.27	0.34	0.12	0.07	0.06	0.11	0.12	0.14	0.03
HWQ14 - Lake Washington	-0.35	0.01	-0.01	0.28	0.34	0.16	0.06	0.06	0.09	0.12	0.08	-0.17
HWQ16 - Bayou Grand Liard	0.01	0.05	0.06	0.11	0.08	0.05	0.03	0.01	0.07	0.06	0.06	0.05
CRMS 3985	-0.59	-0.22	-0.32	0.25	0.36	0.08	-0.28	-0.20	-0.01	-0.02	-0.34	-0.77
CRMS 0258	0.09	0.13	0.21	0.05	0.02	-0.05	0.13	0.17	0.06	0.09	0.10	0.17
CRMS 0224	0.01	0.22	0.28	0.17	0.37	0.03	0.13	0.15	0.12	0.12	0.15	0.15
CRMS 0163	0.02	0.03	0.04	0.01	0.00	0.03	0.11	0.10	0.14	0.04	0.04	0.05
CRMS 0162	0.01	0.02	0.01	0.08	0.03	0.05	0.06	0.04	0.04	0.04	0.02	0.06

Figure WQ TOTN 188 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.39	1.49	1.15	0.98	0.89	0.82	0.75	0.76	0.76	0.76	0.88	1.11
CRMS0276 - Just east of Wilkinson Canal	1.37	1.77	1.77	1.79	1.76	1.64	1.20	1.08	1.42	1.17	1.15	1.32
Barataria Waterway at Lafitte (USACE82875)	1.74	1.91	1.93	1.94	1.95	1.95	1.85	1.80	1.87	1.74	1.60	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.37	1.53	1.19	1.15	1.05	0.97	0.72	0.71	0.82	0.79	0.84	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.17	0.79	0.67	0.65	0.78	0.83	0.83	0.82	0.98	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.47	1.28	1.00	0.81	0.76	0.67	0.67	0.76	0.71	0.77	1.03
USGS 07380335 - Little Lake Near Cutoff	1.17	1.50	1.38	1.16	0.93	0.88	0.75	0.75	0.84	0.76	0.78	1.02
USGS073802516 Barataria Pass at Grand Isle	1.16	1.43	1.26	0.99	0.82	0.79	0.71	0.70	0.71	0.67	0.73	0.96
HWQ14 - Lake Washington	1.26	1.39	1.12	0.75	0.64	0.61	0.64	0.64	0.67	0.66	0.79	1.03
HWQ16 - Bayou Grand Liard	1.10	1.47	1.42	1.30	1.17	1.11	0.93	0.88	0.88	0.71	0.73	0.92
CRMS 3985	1.47	1.47	1.21	0.74	0.63	0.66	0.95	1.03	0.96	0.95	1.14	1.40
CRMS 0258	1.36	1.67	1.52	1.54	1.42	1.32	0.89	0.85	1.24	0.98	1.01	1.29
CRMS 0224	1.26	1.58	1.40	1.35	1.18	1.07	0.72	0.69	1.01	0.84	0.85	1.14
CRMS 0163	1.85	1.93	1.96	1.95	1.98	1.98	1.89	1.88	1.89	1.77	1.76	1.83
CRMS 0162	1.81	1.87	1.77	1.70	1.65	1.87	1.97	1.85	1.46	1.32	1.20	1.52

V3PR7 HYST - cy 4 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	2.00	1.95	1.92	1.90	1.92	1.94
CRMS0276 - Just east of Wilkinson Canal	1.54	1.76	1.79	1.78	1.68	1.58	1.48	1.37	1.50	1.26	1.23	1.38
Barataria Waterway at Lafitte (USACE82875)	1.74	1.90	1.92	1.93	1.93	1.92	1.78	1.73	1.93	1.80	1.64	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.90	1.93	1.97	1.97	1.98	1.93	1.90	1.51	1.09	1.26	1.78	1.92
USGS7380251 Barataria Bay North of Grand Isle	1.68	1.83	1.87	1.83	1.80	1.74	1.66	1.32	0.95	0.90	1.13	1.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.79	1.87	1.92	1.89	1.86	1.84	1.82	1.48	0.99	0.92	1.09	1.38
USGS 07380335 - Little Lake Near Cutoff	1.65	1.82	1.88	1.82	1.76	1.71	1.67	1.42	1.04	0.90	1.00	1.27
USGS073802516 Barataria Pass at Grand Isle	1.54	1.72	1.76	1.62	1.48	1.39	1.41	1.26	0.93	0.83	0.95	1.21
HWQ14 - Lake Washington	1.39	1.62	1.63	1.47	1.34	1.29	1.25	1.16	0.87	0.81	0.98	1.29
HWQ16 - Bayou Grand Liard	1.27	1.65	1.64	1.58	1.41	1.32	1.14	1.04	0.98	0.79	0.82	1.02
CRMS 3985	1.32	1.64	1.67	1.54	1.48	1.38	1.32	1.16	0.90	0.86	1.08	1.27
CRMS 0258	1.77	1.80	1.89	1.81	1.74	1.70	1.71	1.44	1.33	1.11	1.24	1.48
CRMS 0224	1.76	1.82	1.90	1.85	1.79	1.81	1.81	1.50	1.14	0.99	1.12	1.39
CRMS 0163	1.85	1.93	1.96	1.93	1.98	1.97	1.86	1.87	1.95	1.82	1.76	1.87
CRMS 0162	1.81	1.87	1.74	1.70	1.65	1.89	2.01	1.90	1.49	1.35	1.19	1.54

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.51	0.85	1.03	1.12	1.18	1.25	1.19	1.16	1.14	1.04	0.84
CRMS0276 - Just east of Wilkinson Canal	0.16	-0.01	0.02	-0.02	-0.08	-0.06	0.28	0.29	0.08	0.09	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	-0.01	-0.02	-0.03	-0.07	-0.08	0.06	0.05	0.04	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.54	0.40	0.78	0.81	0.93	0.95	1.18	0.80	0.27	0.47	0.93	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.37	0.70	1.04	1.13	1.09	0.88	0.48	0.12	0.08	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.58	0.40	0.64	0.89	1.05	1.09	1.15	0.80	0.23	0.21	0.32	0.35
USGS 07380335 - Little Lake Near Cutoff	0.48	0.32	0.49	0.67	0.83	0.84	0.92	0.67	0.21	0.14	0.22	0.25
USGS073802516 Barataria Pass at Grand Isle	0.38	0.30	0.50	0.64	0.66	0.61	0.69	0.56	0.22	0.16	0.22	0.25
HWQ14 - Lake Washington	0.13	0.23	0.51	0.73	0.70	0.67	0.61	0.51	0.20	0.16	0.20	0.26
HWQ16 - Bayou Grand Liard	0.17	0.18	0.22	0.27	0.24	0.21	0.21	0.17	0.10	0.09	0.09	0.10
CRMS 3985	-0.15	0.17	0.46	0.79	0.84	0.72	0.37	0.13	-0.06	-0.08	-0.06	-0.13
CRMS 0258	0.40	0.13	0.37	0.27	0.33	0.38	0.82	0.60	0.09	0.13	0.23	0.19
CRMS 0224	0.51	0.24	0.50	0.51	0.61	0.74	1.09	0.80	0.13	0.15	0.27	0.26
CRMS 0163	0.00	0.00	-0.01	-0.02	-0.01	-0.01	-0.03	-0.01	0.06	0.05	0.01	0.04
CRMS 0162	0.00	-0.01	-0.03	-0.01	0.00	0.02	0.04	0.04	0.03	0.03	-0.01	0.02

Figure WQ TOTN 189 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.34	1.13	1.03	0.91	0.81	0.69	0.68	0.67	0.70	0.81	1.11
CRMS0276 - Just east of Wilkinson Canal	1.48	1.53	1.68	1.80	1.78	1.57	1.21	1.00	1.34	1.07	1.10	1.61
Barataria Waterway at Lafitte (USACE82875)	1.76	1.83	1.88	1.94	1.85	1.92	1.88	1.73	1.87	1.70	1.58	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.42	1.41	1.18	1.21	1.11	0.93	0.68	0.64	0.73	0.74	0.78	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.25	1.17	0.84	0.67	0.63	0.63	0.67	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.35	1.20	1.06	0.88	0.76	0.67	0.64	0.70	0.66	0.70	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.35	1.29	1.22	1.05	0.88	0.77	0.72	0.77	0.70	0.70	1.13
USGS073802516 Barataria Pass at Grand Isle	1.26	1.31	1.15	1.05	0.91	0.81	0.74	0.69	0.66	0.62	0.66	1.02
HWQ14 - Lake Washington	1.29	1.27	1.05	0.80	0.67	0.63	0.60	0.58	0.61	0.61	0.73	1.00
HWQ16 - Bayou Grand Liard	1.18	1.25	1.31	1.35	1.34	1.16	0.98	0.82	0.82	0.66	0.68	1.13
CRMS 3985	1.35	1.23	1.28	0.81	0.62	0.61	0.63	0.77	0.87	0.89	1.08	1.35
CRMS 0258	1.49	1.53	1.49	1.56	1.53	1.19	0.86	0.80	1.14	0.93	0.95	1.44
CRMS 0224	1.37	1.45	1.35	1.40	1.30	1.00	0.71	0.66	0.93	0.79	0.78	1.24
CRMS 0163	1.85	1.86	1.91	1.96	1.86	1.97	1.94	1.85	1.88	1.71	1.77	1.90
CRMS 0162	1.68	1.47	1.73	1.74	1.73	1.92	2.01	1.83	1.35	1.11	1.24	1.84

V3PR7 HYST - cy 4 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	1.97	1.99	2.00	1.91	1.99	2.00	1.93	1.89	1.92	1.91	1.99
CRMS0276 - Just east of Wilkinson Canal	1.60	1.54	1.67	1.81	1.77	1.57	1.49	1.18	1.41	1.16	1.19	1.63
Barataria Waterway at Lafitte (USACE82875)	1.77	1.81	1.87	1.93	1.86	1.90	1.75	1.74	1.90	1.75	1.64	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	2.59	2.16	1.90	1.95	1.86	1.94	1.91	1.28	1.10	1.30	1.79	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.65	1.78	1.84	1.78	1.80	1.67	1.06	0.95	0.91	1.15	1.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.76	1.65	1.82	1.89	1.80	1.86	1.83	1.11	0.96	0.91	1.08	1.84
USGS 07380335 - Little Lake Near Cutoff	1.62	1.56	1.76	1.83	1.76	1.75	1.68	1.07	0.98	0.87	0.97	1.75
USGS073802516 Barataria Pass at Grand Isle	1.60	1.54	1.65	1.66	1.56	1.43	1.41	1.01	0.89	0.80	0.92	1.65
HWQ14 - Lake Washington	1.65	1.59	1.56	1.53	1.43	1.33	1.27	1.00	0.86	0.81	0.98	1.54
HWQ16 - Bayou Grand Liard	1.30	1.33	1.52	1.61	1.54	1.36	1.17	0.92	0.92	0.74	0.78	1.40
CRMS 3985	1.58	1.57	1.63	1.59	1.54	1.48	1.35	1.04	0.93	0.89	1.09	1.60
CRMS 0258	1.92	1.70	1.74	1.82	1.72	1.74	1.71	1.19	1.21	1.07	1.20	1.75
CRMS 0224	1.81	1.66	1.76	1.85	1.75	1.82	1.82	1.11	1.08	0.96	1.09	1.77
CRMS 0163	1.83	1.85	1.91	1.95	1.87	1.97	1.86	1.89	1.91	1.78	1.78	1.90
CRMS 0162	1.67	1.47	1.71	1.73	1.75	1.93	2.02	1.85	1.38	1.16	1.23	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.66	0.64	0.86	0.97	1.00	1.18	1.30	1.25	1.22	1.22	1.10	0.87
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	0.00	0.01	-0.01	0.00	0.28	0.18	0.06	0.09	0.09	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.02	-0.01	-0.01	0.01	-0.02	-0.13	0.01	0.04	0.05	0.06	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	0.74	0.72	0.74	0.75	1.01	1.22	0.64	0.37	0.56	1.00	0.78
USGS7380251 Barataria Bay North of Grand Isle	0.39	0.40	0.60	1.00	1.11	1.18	1.05	0.38	0.22	0.15	0.24	0.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.46	0.30	0.62	0.83	0.93	1.10	1.16	0.47	0.27	0.25	0.39	0.76
USGS 07380335 - Little Lake Near Cutoff	0.34	0.21	0.47	0.62	0.71	0.87	0.90	0.35	0.21	0.16	0.26	0.63
USGS073802516 Barataria Pass at Grand Isle	0.35	0.23	0.51	0.61	0.65	0.62	0.67	0.32	0.23	0.18	0.26	0.62
HWQ14 - Lake Washington	0.36	0.33	0.51	0.73	0.76	0.70	0.67	0.42	0.25	0.20	0.25	0.54
HWQ16 - Bayou Grand Liard	0.12	0.08	0.22	0.27	0.20	0.20	0.19	0.10	0.10	0.08	0.10	0.27
CRMS 3985	0.23	0.35	0.35	0.79	0.92	0.87	0.72	0.27	0.06	-0.01	0.01	0.25
CRMS 0258	0.43	0.17	0.25	0.26	0.20	0.56	0.85	0.39	0.07	0.13	0.25	0.32
CRMS 0224	0.43	0.22	0.41	0.45	0.44	0.82	1.12	0.45	0.15	0.18	0.32	0.53
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.01	0.00	-0.08	0.05	0.03	0.06	0.01	0.00
CRMS 0162	-0.01	0.01	-0.01	0.00	0.02	0.01	0.00	0.02	0.03	0.05	-0.01	0.00

Figure WQ TOTN 190 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.38	1.45	1.20	1.04	0.89	0.79	0.70	0.69	0.73	0.80	0.87	1.07
CRMS0276 - Just east of Wilkinson Canal	1.29	1.63	1.77	1.79	1.80	1.69	1.36	1.07	1.45	1.34	1.13	1.24
Barataria Waterway at Lafitte (USACE82875)	1.66	1.86	1.90	1.88	1.95	1.97	1.89	1.78	1.90	1.79	1.58	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.47	1.23	1.22	1.04	0.92	0.70	0.66	0.82	0.86	0.85	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.45	1.25	0.85	0.68	0.63	0.64	0.68	0.76	0.79	0.94	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.38	1.32	1.09	0.85	0.75	0.71	0.68	0.75	0.76	0.77	0.99
USGS 07380335 - Little Lake Near Cutoff	1.10	1.38	1.41	1.26	0.99	0.87	0.85	0.77	0.84	0.85	0.79	0.97
USGS073802516 Barataria Pass at Grand Isle	1.10	1.33	1.28	1.09	0.88	0.80	0.80	0.73	0.70	0.72	0.73	0.92
HWQ14 - Lake Washington	1.23	1.36	1.17	0.82	0.68	0.63	0.61	0.60	0.63	0.65	0.76	0.99
HWQ16 - Bayou Grand Liard	0.99	1.31	1.43	1.40	1.29	1.15	1.07	0.87	0.90	0.83	0.73	0.85
CRMS 3985	1.46	1.49	1.33	0.80	0.64	0.62	0.64	0.77	0.88	0.90	1.08	1.36
CRMS 0258	1.34	1.57	1.56	1.57	1.38	1.30	0.93	0.85	1.27	1.14	1.01	1.24
CRMS 0224	1.21	1.48	1.44	1.42	1.19	1.03	0.77	0.70	1.02	0.94	0.86	1.10
CRMS 0163	1.79	1.89	1.94	1.89	1.98	2.01	1.95	1.88	1.90	1.81	1.73	1.83
CRMS 0162	1.74	1.75	1.80	1.78	1.81	1.91	2.01	1.85	1.56	1.54	1.16	1.42

V3PR8 HYST - cy 4 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.98	2.00	1.94	2.00	2.00	2.00	1.96	1.92	1.96	1.94	1.92
CRMS0276 - Just east of Wilkinson Canal	1.37	1.60	1.74	1.79	1.69	1.61	1.59	1.27	1.48	1.36	1.17	1.24
Barataria Waterway at Lafitte (USACE82875)	1.65	1.82	1.86	1.86	1.92	1.87	1.69	1.55	1.93	1.78	1.64	1.73
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.89	1.94	1.90	1.98	1.98	1.94	1.41	1.28	1.46	1.86	2.02
USGS7380251 Barataria Bay North of Grand Isle	1.66	1.72	1.83	1.79	1.87	1.83	1.75	1.25	1.10	1.15	1.20	1.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.65	1.74	1.88	1.83	1.91	1.90	1.87	1.44	1.13	1.32	1.14	1.41
USGS 07380335 - Little Lake Near Cutoff	1.49	1.66	1.83	1.78	1.85	1.78	1.75	1.32	1.08	1.27	1.02	1.24
USGS073802516 Barataria Pass at Grand Isle	1.48	1.61	1.72	1.62	1.56	1.46	1.50	1.17	1.00	1.14	0.99	1.21
HWQ14 - Lake Washington	1.54	1.61	1.63	1.52	1.42	1.35	1.35	1.11	0.95	1.04	1.05	1.35
HWQ16 - Bayou Grand Liard	1.12	1.44	1.64	1.62	1.51	1.37	1.27	1.00	0.98	0.94	0.80	0.94
CRMS 3985	1.60	1.62	1.68	1.59	1.58	1.51	1.47	1.14	0.94	0.94	1.09	1.49
CRMS 0258	1.65	1.69	1.80	1.77	1.83	1.80	1.78	1.41	1.30	1.30	1.23	1.46
CRMS 0224	1.62	1.70	1.82	1.79	1.85	1.86	1.85	1.46	1.14	1.33	1.14	1.38
CRMS 0163	1.78	1.88	1.93	1.89	1.98	2.00	1.87	1.85	1.95	1.83	1.76	1.83
CRMS 0162	1.73	1.76	1.78	1.78	1.81	1.92	2.01	1.87	1.58	1.51	1.17	1.43

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.55	0.53	0.80	0.90	1.11	1.21	1.29	1.26	1.19	1.17	1.08	0.85
CRMS0276 - Just east of Wilkinson Canal	0.08	-0.03	-0.03	0.00	-0.11	-0.07	0.23	0.20	0.03	0.02	0.04	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.03	-0.04	-0.02	-0.03	-0.10	-0.20	-0.23	0.03	-0.02	0.06	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.50	0.42	0.70	0.68	0.93	1.05	1.24	0.74	0.47	0.60	1.02	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.28	0.27	0.58	0.95	1.19	1.20	1.11	0.57	0.34	0.36	0.26	0.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.49	0.36	0.56	0.74	1.06	1.15	1.16	0.76	0.39	0.56	0.37	0.42
USGS 07380335 - Little Lake Near Cutoff	0.39	0.28	0.42	0.53	0.86	0.91	0.90	0.55	0.24	0.43	0.23	0.28
USGS073802516 Barataria Pass at Grand Isle	0.38	0.28	0.44	0.54	0.67	0.66	0.69	0.43	0.30	0.42	0.26	0.29
HWQ14 - Lake Washington	0.31	0.25	0.46	0.70	0.74	0.72	0.74	0.51	0.32	0.40	0.29	0.36
HWQ16 - Bayou Grand Liard	0.13	0.13	0.20	0.22	0.22	0.22	0.19	0.13	0.09	0.11	0.08	0.08
CRMS 3985	0.13	0.13	0.35	0.79	0.94	0.89	0.82	0.37	0.07	0.04	0.01	0.13
CRMS 0258	0.31	0.12	0.24	0.20	0.45	0.50	0.85	0.57	0.03	0.16	0.22	0.22
CRMS 0224	0.41	0.22	0.38	0.37	0.66	0.82	1.08	0.76	0.13	0.39	0.28	0.28
CRMS 0163	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.08	-0.03	0.05	0.02	0.02	0.00
CRMS 0162	-0.01	0.01	-0.02	0.01	0.00	0.01	0.01	0.01	0.01	-0.03	0.01	0.01

Figure WQ TOTN 191 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.48	1.16	0.99	0.91	0.80	0.67	0.65	0.63	0.66	0.80	1.09
CRMS0276 - Just east of Wilkinson Canal	1.40	1.73	1.80	1.82	1.85	1.44	0.88	0.79	1.14	0.96	1.14	1.48
Barataria Waterway at Lafitte (USACE82875)	1.72	1.90	1.92	1.95	1.98	1.90	1.72	1.57	1.81	1.58	1.63	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.39	1.51	1.22	1.15	1.09	0.93	0.68	0.61	0.64	0.66	0.76	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.18	0.80	0.68	0.64	0.65	0.75	0.76	0.75	0.93	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.44	1.32	1.02	0.86	0.74	0.62	0.56	0.64	0.61	0.67	1.05
USGS 07380335 - Little Lake Near Cutoff	1.20	1.46	1.43	1.18	1.01	0.82	0.66	0.57	0.68	0.63	0.69	1.07
USGS073802516 Barataria Pass at Grand Isle	1.19	1.40	1.29	1.02	0.89	0.77	0.63	0.55	0.60	0.57	0.64	0.99
HWQ14 - Lake Washington	1.27	1.38	1.13	0.77	0.67	0.63	0.59	0.58	0.61	0.60	0.72	1.01
HWQ16 - Bayou Grand Liard	1.10	1.41	1.48	1.36	1.33	0.96	0.67	0.62	0.72	0.59	0.69	1.02
CRMS 3985	1.47	1.47	1.23	0.75	0.63	0.63	0.72	0.99	0.92	0.90	1.10	1.36
CRMS 0258	1.43	1.64	1.56	1.52	1.46	1.24	0.80	0.65	0.96	0.80	0.94	1.39
CRMS 0224	1.30	1.55	1.45	1.35	1.25	1.00	0.67	0.58	0.79	0.69	0.75	1.19
CRMS 0163	1.83	1.92	1.95	1.97	2.00	1.98	1.81	1.72	1.80	1.58	1.81	1.87
CRMS 0162	1.75	1.84	1.84	1.79	1.82	1.81	1.96	1.55	1.07	0.91	1.29	1.72

V3PR8 HYST - cy 4 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	2.00	2.00	2.01	2.02	2.01	1.91	1.92	1.86	1.86	1.87	1.94
CRMS0276 - Just east of Wilkinson Canal	1.50	1.70	1.78	1.77	1.77	1.39	0.90	0.85	1.15	1.00	1.14	1.48
Barataria Waterway at Lafitte (USACE82875)	1.70	1.86	1.88	1.93	1.96	1.80	1.58	1.50	1.77	1.60	1.67	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.97	1.92	1.96	1.98	1.99	1.67	1.22	1.18	1.02	1.15	1.63	1.87
USGS7380251 Barataria Bay North of Grand Isle	1.70	1.80	1.86	1.87	1.89	1.19	0.90	0.87	0.89	0.89	1.12	1.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.74	1.86	1.90	1.92	1.93	1.32	0.91	0.82	0.86	0.83	0.98	1.58
USGS 07380335 - Little Lake Near Cutoff	1.63	1.80	1.86	1.86	1.88	1.26	0.82	0.71	0.83	0.76	0.88	1.45
USGS073802516 Barataria Pass at Grand Isle	1.59	1.72	1.75	1.66	1.61	1.15	0.77	0.67	0.76	0.72	0.84	1.34
HWQ14 - Lake Washington	1.57	1.64	1.65	1.53	1.48	1.06	0.82	0.74	0.78	0.77	0.94	1.36
HWQ16 - Bayou Grand Liard	1.24	1.60	1.69	1.62	1.56	1.12	0.71	0.66	0.77	0.65	0.75	1.13
CRMS 3985	1.57	1.66	1.71	1.62	1.62	1.08	0.87	0.85	0.94	0.93	1.08	1.49
CRMS 0258	1.75	1.77	1.83	1.86	1.85	1.33	0.98	0.85	0.95	0.87	1.06	1.60
CRMS 0224	1.73	1.81	1.85	1.88	1.88	1.32	0.93	0.82	0.90	0.82	0.97	1.56
CRMS 0163	1.82	1.91	1.94	1.97	2.00	1.96	1.82	1.77	1.81	1.68	1.79	1.87
CRMS 0162	1.75	1.84	1.81	1.77	1.82	1.82	1.97	1.60	1.11	0.99	1.29	1.74

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.57	0.52	0.84	1.02	1.11	1.21	1.24	1.28	1.23	1.20	1.07	0.85
CRMS0276 - Just east of Wilkinson Canal	0.09	-0.03	-0.02	-0.05	-0.08	-0.06	0.02	0.06	0.01	0.03	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.04	-0.04	-0.02	-0.02	-0.10	-0.14	-0.07	-0.04	0.02	0.04	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.40	0.75	0.83	0.91	0.74	0.54	0.56	0.38	0.49	0.87	0.79
USGS7380251 Barataria Bay North of Grand Isle	0.30	0.36	0.68	1.07	1.22	0.55	0.25	0.12	0.13	0.14	0.19	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.50	0.42	0.58	0.90	1.07	0.57	0.29	0.25	0.23	0.22	0.31	0.53
USGS 07380335 - Little Lake Near Cutoff	0.42	0.33	0.43	0.68	0.87	0.44	0.16	0.14	0.15	0.12	0.19	0.38
USGS073802516 Barataria Pass at Grand Isle	0.40	0.32	0.47	0.63	0.72	0.38	0.15	0.12	0.16	0.15	0.20	0.35
HWQ14 - Lake Washington	0.31	0.26	0.52	0.77	0.81	0.43	0.23	0.16	0.16	0.17	0.22	0.35
HWQ16 - Bayou Grand Liard	0.14	0.19	0.20	0.26	0.24	0.16	0.04	0.05	0.05	0.06	0.05	0.11
CRMS 3985	0.10	0.19	0.49	0.87	0.99	0.45	0.15	-0.13	0.02	0.03	-0.02	0.13
CRMS 0258	0.32	0.14	0.27	0.34	0.40	0.08	0.19	0.21	0.00	0.07	0.12	0.21
CRMS 0224	0.43	0.25	0.41	0.53	0.63	0.33	0.26	0.24	0.11	0.13	0.21	0.36
CRMS 0163	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.02	0.05	0.01	0.09	-0.01	-0.01
CRMS 0162	0.00	0.00	-0.02	-0.02	0.00	0.00	0.00	0.05	0.04	0.08	0.00	0.02

Figure WQ TOTN 192 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.09	0.91	0.82	0.71	0.62	0.62	0.57	0.60	0.88	1.15
CRMS0276 - Just east of Wilkinson Canal	1.24	1.62	1.57	1.63	1.62	1.26	0.65	0.56	0.81	0.97	1.30	1.44
Barataria Waterway at Lafitte (USACE82875)	1.59	1.84	1.87	1.90	1.89	1.88	1.42	1.26	1.22	1.72	1.71	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.42	1.08	1.09	0.98	0.84	0.61	0.57	0.52	0.55	0.84	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.38	1.24	0.75	0.62	0.59	0.76	0.79	0.75	0.76	0.99	1.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.35	1.19	0.93	0.75	0.65	0.55	0.50	0.54	0.53	0.76	1.11
USGS 07380335 - Little Lake Near Cutoff	1.10	1.36	1.24	1.06	0.85	0.71	0.54	0.46	0.53	0.54	0.80	1.12
USGS073802516 Barataria Pass at Grand Isle	1.11	1.30	1.15	0.91	0.74	0.64	0.52	0.46	0.51	0.50	0.72	1.05
HWQ14 - Lake Washington	1.25	1.31	1.14	0.72	0.59	0.55	0.58	0.56	0.60	0.58	0.76	1.08
HWQ16 - Bayou Grand Liard	0.97	1.29	1.21	1.14	1.03	0.80	0.53	0.50	0.55	0.54	0.80	1.02
CRMS 3985	1.43	1.42	1.36	0.73	0.59	0.64	1.00	1.07	0.91	0.92	1.16	1.40
CRMS 0258	1.30	1.55	1.31	1.47	1.35	1.08	0.64	0.55	0.68	0.70	1.11	1.36
CRMS 0224	1.21	1.45	1.24	1.26	1.11	0.89	0.57	0.50	0.58	0.59	0.88	1.21
CRMS 0163	1.74	1.87	1.91	1.88	1.93	1.87	1.52	1.47	1.24	1.74	1.85	1.86
CRMS 0162	1.58	1.70	1.55	1.45	1.48	1.51	1.44	1.09	0.71	1.11	1.46	1.70

V3PR8 HYST - cy 4 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.91	1.99	1.99	1.94	1.95	1.90	1.92	1.91	1.84	1.81	1.82	1.89
CRMS0276 - Just east of Wilkinson Canal	1.30	1.60	1.56	1.64	1.50	1.23	0.68	0.59	0.84	0.96	1.30	1.45
Barataria Waterway at Lafitte (USACE82875)	1.61	1.82	1.88	1.88	1.87	1.84	1.30	1.04	1.27	1.69	1.75	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.73	1.86	1.78	1.52	1.50	0.86	0.98	1.00	0.85	0.95	1.31	1.70
USGS7380251 Barataria Bay North of Grand Isle	1.52	1.66	1.55	1.26	1.35	0.76	0.72	0.76	0.79	0.82	1.08	1.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.40	1.73	1.60	1.37	1.57	0.81	0.71	0.66	0.69	0.71	0.97	1.35
USGS 07380335 - Little Lake Near Cutoff	1.26	1.62	1.50	1.39	1.44	0.82	0.62	0.54	0.63	0.63	0.93	1.27
USGS073802516 Barataria Pass at Grand Isle	1.27	1.56	1.42	1.24	1.12	0.77	0.60	0.52	0.61	0.60	0.85	1.19
HWQ14 - Lake Washington	1.41	1.54	1.37	1.12	0.98	0.73	0.65	0.63	0.68	0.70	0.89	1.24
HWQ16 - Bayou Grand Liard	1.05	1.38	1.28	1.26	1.10	0.84	0.55	0.51	0.59	0.57	0.84	1.07
CRMS 3985	1.49	1.54	1.41	1.12	1.00	0.75	0.73	0.85	0.89	0.90	1.06	1.40
CRMS 0258	1.45	1.68	1.50	1.51	1.36	1.00	0.74	0.68	0.70	0.74	1.17	1.51
CRMS 0224	1.38	1.69	1.54	1.44	1.48	0.90	0.70	0.64	0.67	0.68	1.01	1.39
CRMS 0163	1.75	1.88	1.94	1.89	1.92	1.90	1.61	1.53	1.34	1.76	1.84	1.86
CRMS 0162	1.59	1.71	1.58	1.54	1.53	1.53	1.53	1.14	0.73	1.17	1.48	1.74

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.59	0.90	1.03	1.13	1.18	1.30	1.29	1.27	1.21	0.94	0.73
CRMS0276 - Just east of Wilkinson Canal	0.06	-0.02	-0.01	0.01	-0.11	-0.03	0.03	0.03	0.03	-0.01	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.02	-0.02	0.01	-0.02	-0.02	-0.04	-0.12	-0.22	0.05	-0.03	0.04	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.40	0.44	0.70	0.42	0.51	0.02	0.38	0.43	0.33	0.40	0.47	0.56
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.27	0.32	0.51	0.74	0.17	-0.04	-0.04	0.04	0.06	0.09	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.24	0.38	0.41	0.44	0.83	0.16	0.15	0.17	0.16	0.18	0.21	0.24
USGS 07380335 - Little Lake Near Cutoff	0.17	0.26	0.26	0.33	0.59	0.11	0.08	0.08	0.10	0.09	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.26	0.26	0.33	0.38	0.13	0.07	0.07	0.10	0.10	0.13	0.14
HWQ14 - Lake Washington	0.16	0.23	0.23	0.39	0.39	0.18	0.07	0.07	0.09	0.12	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.08	0.07	0.12	0.07	0.04	0.02	0.02	0.04	0.03	0.04	0.05
CRMS 3985	0.06	0.12	0.05	0.38	0.40	0.11	-0.27	-0.22	-0.02	-0.02	-0.10	0.00
CRMS 0258	0.15	0.12	0.19	0.04	0.01	-0.08	0.10	0.13	0.01	0.04	0.06	0.15
CRMS 0224	0.17	0.23	0.30	0.18	0.37	0.01	0.12	0.14	0.09	0.09	0.12	0.17
CRMS 0163	0.01	0.01	0.03	0.01	-0.01	0.03	0.08	0.05	0.11	0.02	-0.01	0.00
CRMS 0162	0.02	0.01	0.03	0.09	0.04	0.02	0.09	0.05	0.02	0.06	0.02	0.03

Figure WQ TOTN 193 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.39	1.49	1.15	0.98	0.89	0.82	0.75	0.76	0.76	0.76	0.88	1.11
CRMS0276 - Just east of Wilkinson Canal	1.37	1.77	1.77	1.79	1.76	1.64	1.20	1.08	1.42	1.17	1.15	1.32
Barataria Waterway at Lafitte (USACE82875)	1.74	1.91	1.93	1.94	1.95	1.95	1.85	1.80	1.87	1.74	1.60	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.37	1.53	1.19	1.15	1.05	0.97	0.72	0.71	0.82	0.79	0.84	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.17	0.79	0.67	0.65	0.78	0.83	0.83	0.82	0.98	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.47	1.28	1.00	0.81	0.76	0.67	0.67	0.76	0.71	0.77	1.03
USGS 07380335 - Little Lake Near Cutoff	1.17	1.50	1.38	1.16	0.93	0.88	0.75	0.75	0.84	0.76	0.78	1.02
USGS073802516 Barataria Pass at Grand Isle	1.16	1.43	1.26	0.99	0.82	0.79	0.71	0.70	0.71	0.67	0.73	0.96
HWQ14 - Lake Washington	1.26	1.39	1.12	0.75	0.64	0.61	0.64	0.64	0.67	0.66	0.79	1.03
HWQ16 - Bayou Grand Liard	1.10	1.47	1.42	1.30	1.17	1.11	0.93	0.88	0.88	0.71	0.73	0.92
CRMS 3985	1.47	1.47	1.21	0.74	0.63	0.66	0.95	1.03	0.96	0.95	1.14	1.40
CRMS 0258	1.36	1.67	1.52	1.54	1.42	1.32	0.89	0.85	1.24	0.98	1.01	1.29
CRMS 0224	1.26	1.58	1.40	1.35	1.18	1.07	0.72	0.69	1.01	0.84	0.85	1.14
CRMS 0163	1.85	1.93	1.96	1.95	1.98	1.98	1.89	1.88	1.89	1.77	1.76	1.83
CRMS 0162	1.81	1.87	1.77	1.70	1.65	1.87	1.97	1.85	1.46	1.32	1.20	1.52

V3PR8 HYST - cy 4 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	2.00	1.95	1.91	1.89	1.91	1.91
CRMS0276 - Just east of Wilkinson Canal	1.52	1.74	1.77	1.75	1.65	1.57	1.48	1.36	1.46	1.23	1.19	1.34
Barataria Waterway at Lafitte (USACE82875)	1.70	1.87	1.90	1.91	1.91	1.85	1.63	1.55	1.91	1.76	1.66	1.77
USGS2928590900040000 Barataria Waterway South of Lafitte	1.91	1.94	1.98	1.98	2.00	1.94	1.88	1.44	1.04	1.18	1.73	1.95
USGS7380251 Barataria Bay North of Grand Isle	1.75	1.83	1.87	1.83	1.80	1.74	1.66	1.32	0.96	0.90	1.14	1.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.81	1.87	1.93	1.89	1.87	1.85	1.83	1.49	0.99	0.92	1.09	1.39
USGS 07380335 - Little Lake Near Cutoff	1.69	1.82	1.88	1.82	1.77	1.72	1.67	1.41	1.03	0.90	1.00	1.26
USGS073802516 Barataria Pass at Grand Isle	1.63	1.75	1.77	1.62	1.48	1.39	1.40	1.26	0.93	0.83	0.94	1.21
HWQ14 - Lake Washington	1.57	1.68	1.66	1.49	1.35	1.29	1.24	1.14	0.88	0.82	0.99	1.31
HWQ16 - Bayou Grand Liard	1.29	1.66	1.64	1.57	1.40	1.31	1.12	1.03	0.96	0.79	0.81	1.01
CRMS 3985	1.62	1.69	1.70	1.55	1.49	1.39	1.33	1.17	0.90	0.87	1.08	1.44
CRMS 0258	1.77	1.80	1.90	1.82	1.75	1.71	1.71	1.43	1.29	1.09	1.21	1.48
CRMS 0224	1.77	1.82	1.90	1.85	1.80	1.81	1.82	1.49	1.11	0.98	1.11	1.39
CRMS 0163	1.82	1.92	1.95	1.92	1.97	1.97	1.84	1.84	1.95	1.81	1.75	1.84
CRMS 0162	1.81	1.87	1.74	1.70	1.65	1.89	2.01	1.89	1.51	1.35	1.17	1.53

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.51	0.85	1.03	1.12	1.18	1.25	1.19	1.15	1.13	1.03	0.80
CRMS0276 - Just east of Wilkinson Canal	0.15	-0.03	0.00	-0.05	-0.11	-0.08	0.28	0.28	0.05	0.07	0.04	0.02
Barataria Waterway at Lafitte (USACE82875)	-0.04	-0.04	-0.04	-0.03	-0.04	-0.09	-0.22	-0.25	0.04	0.02	0.06	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.55	0.41	0.79	0.82	0.95	0.96	1.16	0.74	0.22	0.39	0.89	0.85
USGS7380251 Barataria Bay North of Grand Isle	0.36	0.38	0.70	1.04	1.13	1.09	0.88	0.48	0.12	0.09	0.16	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.60	0.41	0.64	0.90	1.06	1.09	1.16	0.81	0.23	0.21	0.32	0.36
USGS 07380335 - Little Lake Near Cutoff	0.51	0.32	0.50	0.67	0.83	0.84	0.92	0.67	0.19	0.14	0.22	0.24
USGS073802516 Barataria Pass at Grand Isle	0.46	0.32	0.51	0.63	0.66	0.60	0.69	0.56	0.21	0.16	0.22	0.25
HWQ14 - Lake Washington	0.31	0.28	0.54	0.74	0.71	0.68	0.60	0.50	0.21	0.16	0.20	0.29
HWQ16 - Bayou Grand Liard	0.19	0.19	0.22	0.26	0.23	0.19	0.19	0.15	0.08	0.08	0.08	0.09
CRMS 3985	0.15	0.23	0.49	0.81	0.85	0.73	0.38	0.14	-0.06	-0.08	-0.06	0.05
CRMS 0258	0.40	0.14	0.38	0.28	0.34	0.39	0.82	0.58	0.05	0.10	0.20	0.19
CRMS 0224	0.51	0.24	0.50	0.51	0.62	0.75	1.09	0.80	0.10	0.14	0.26	0.25
CRMS 0163	-0.03	-0.01	-0.01	-0.03	-0.02	-0.01	-0.05	-0.04	0.06	0.04	-0.01	0.01
CRMS 0162	0.00	-0.01	-0.02	0.00	0.00	0.02	0.04	0.04	0.05	0.03	-0.03	0.00

Figure WQ TOTN 194 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.34	1.13	1.03	0.91	0.81	0.69	0.68	0.67	0.70	0.81	1.11
CRMS0276 - Just east of Wilkinson Canal	1.48	1.53	1.68	1.80	1.78	1.57	1.21	1.00	1.34	1.07	1.10	1.61
Barataria Waterway at Lafitte (USACE82875)	1.76	1.83	1.88	1.94	1.85	1.92	1.88	1.73	1.87	1.70	1.58	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.42	1.41	1.18	1.21	1.11	0.93	0.68	0.64	0.73	0.74	0.78	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.25	1.17	0.84	0.67	0.63	0.63	0.67	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.35	1.20	1.06	0.88	0.76	0.67	0.64	0.70	0.66	0.70	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.35	1.29	1.22	1.05	0.88	0.77	0.72	0.77	0.70	0.70	1.13
USGS073802516 Barataria Pass at Grand Isle	1.26	1.31	1.15	1.05	0.91	0.81	0.74	0.69	0.66	0.62	0.66	1.02
HWQ14 - Lake Washington	1.29	1.27	1.05	0.80	0.67	0.63	0.60	0.58	0.61	0.61	0.73	1.00
HWQ16 - Bayou Grand Liard	1.18	1.25	1.31	1.35	1.34	1.16	0.98	0.82	0.82	0.66	0.68	1.13
CRMS 3985	1.35	1.23	1.28	0.81	0.62	0.61	0.63	0.77	0.87	0.89	1.08	1.35
CRMS 0258	1.49	1.53	1.49	1.56	1.53	1.19	0.86	0.80	1.14	0.93	0.95	1.44
CRMS 0224	1.37	1.45	1.35	1.40	1.30	1.00	0.71	0.66	0.93	0.79	0.78	1.24
CRMS 0163	1.85	1.86	1.91	1.96	1.86	1.97	1.94	1.85	1.88	1.71	1.77	1.90
CRMS 0162	1.68	1.47	1.73	1.74	1.73	1.92	2.01	1.83	1.35	1.11	1.24	1.84

V3PR8 HYST - cy 4 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	1.97	1.99	2.00	1.91	1.99	2.00	1.92	1.88	1.89	1.90	1.98
CRMS0276 - Just east of Wilkinson Canal	1.58	1.52	1.65	1.78	1.76	1.57	1.50	1.16	1.38	1.12	1.12	1.60
Barataria Waterway at Lafitte (USACE82875)	1.75	1.80	1.84	1.91	1.85	1.83	1.58	1.60	1.88	1.68	1.64	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	2.80	2.25	1.91	1.96	1.87	1.95	1.90	1.19	1.06	1.21	1.75	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.77	1.66	1.77	1.84	1.77	1.79	1.67	1.06	0.96	0.93	1.18	1.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.77	1.65	1.82	1.89	1.81	1.87	1.84	1.12	0.96	0.91	1.06	1.84
USGS 07380335 - Little Lake Near Cutoff	1.62	1.55	1.76	1.83	1.76	1.76	1.68	1.06	0.97	0.86	0.92	1.75
USGS073802516 Barataria Pass at Grand Isle	1.60	1.53	1.65	1.65	1.55	1.42	1.40	1.00	0.88	0.81	0.90	1.64
HWQ14 - Lake Washington	1.65	1.59	1.57	1.53	1.43	1.32	1.26	1.00	0.86	0.83	0.99	1.54
HWQ16 - Bayou Grand Liard	1.27	1.32	1.51	1.61	1.53	1.35	1.15	0.90	0.91	0.74	0.75	1.39
CRMS 3985	1.59	1.58	1.63	1.60	1.54	1.48	1.36	1.05	0.94	0.94	1.11	1.61
CRMS 0258	1.92	1.68	1.74	1.83	1.73	1.77	1.72	1.17	1.17	1.04	1.12	1.74
CRMS 0224	1.81	1.65	1.76	1.85	1.75	1.83	1.83	1.11	1.06	0.95	1.04	1.76
CRMS 0163	1.83	1.85	1.90	1.95	1.87	1.97	1.84	1.88	1.91	1.75	1.77	1.89
CRMS 0162	1.66	1.48	1.71	1.72	1.76	1.94	2.02	1.86	1.38	1.14	1.23	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.66	0.63	0.86	0.97	1.00	1.18	1.30	1.24	1.21	1.19	1.09	0.87
CRMS0276 - Just east of Wilkinson Canal	0.10	-0.01	-0.03	-0.02	-0.02	0.00	0.28	0.16	0.03	0.05	0.02	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.04	-0.04	-0.03	0.00	-0.09	-0.30	-0.13	0.01	-0.01	0.06	-0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	1.38	0.84	0.73	0.75	0.76	1.02	1.22	0.55	0.33	0.47	0.97	0.78
USGS7380251 Barataria Bay North of Grand Isle	0.41	0.41	0.60	1.00	1.11	1.17	1.05	0.39	0.22	0.18	0.26	0.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.47	0.30	0.62	0.83	0.93	1.10	1.17	0.47	0.27	0.25	0.37	0.76
USGS 07380335 - Little Lake Near Cutoff	0.33	0.19	0.47	0.62	0.71	0.88	0.91	0.34	0.20	0.16	0.22	0.62
USGS073802516 Barataria Pass at Grand Isle	0.34	0.22	0.50	0.60	0.64	0.61	0.66	0.31	0.22	0.18	0.24	0.62
HWQ14 - Lake Washington	0.36	0.33	0.52	0.73	0.77	0.70	0.67	0.42	0.25	0.22	0.26	0.54
HWQ16 - Bayou Grand Liard	0.10	0.07	0.21	0.26	0.19	0.18	0.18	0.08	0.08	0.08	0.07	0.26
CRMS 3985	0.24	0.35	0.35	0.79	0.93	0.87	0.73	0.27	0.07	0.04	0.03	0.26
CRMS 0258	0.43	0.15	0.25	0.27	0.21	0.58	0.86	0.37	0.03	0.10	0.18	0.30
CRMS 0224	0.44	0.20	0.41	0.46	0.44	0.83	1.12	0.45	0.12	0.16	0.26	0.52
CRMS 0163	-0.02	-0.01	-0.01	-0.01	0.01	0.00	-0.10	0.03	0.03	0.04	0.00	-0.01
CRMS 0162	-0.02	0.01	-0.02	-0.01	0.03	0.02	0.01	0.03	0.03	0.03	-0.01	-0.01

Figure WQ TOTN 195 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.38	1.45	1.20	1.04	0.89	0.79	0.70	0.69	0.73	0.80	0.87	1.07
CRMS0276 - Just east of Wilkinson Canal	1.29	1.63	1.77	1.79	1.80	1.69	1.36	1.07	1.45	1.34	1.13	1.24
Barataria Waterway at Lafitte (USACE82875)	1.66	1.86	1.90	1.88	1.95	1.97	1.89	1.78	1.90	1.79	1.58	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.35	1.47	1.23	1.22	1.04	0.92	0.70	0.66	0.82	0.86	0.85	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.39	1.45	1.25	0.85	0.68	0.63	0.64	0.68	0.76	0.79	0.94	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.38	1.32	1.09	0.85	0.75	0.71	0.68	0.75	0.76	0.77	0.99
USGS 07380335 - Little Lake Near Cutoff	1.10	1.38	1.41	1.26	0.99	0.87	0.85	0.77	0.84	0.85	0.79	0.97
USGS073802516 Barataria Pass at Grand Isle	1.10	1.33	1.28	1.09	0.88	0.80	0.80	0.73	0.70	0.72	0.73	0.92
HWQ14 - Lake Washington	1.23	1.36	1.17	0.82	0.68	0.63	0.61	0.60	0.63	0.65	0.76	0.99
HWQ16 - Bayou Grand Liard	0.99	1.31	1.43	1.40	1.29	1.15	1.07	0.87	0.90	0.83	0.73	0.85
CRMS 3985	1.46	1.49	1.33	0.80	0.64	0.62	0.64	0.77	0.88	0.90	1.08	1.36
CRMS 0258	1.34	1.57	1.56	1.57	1.38	1.30	0.93	0.85	1.27	1.14	1.01	1.24
CRMS 0224	1.21	1.48	1.44	1.42	1.19	1.03	0.77	0.70	1.02	0.94	0.86	1.10
CRMS 0163	1.79	1.89	1.94	1.89	1.98	2.01	1.95	1.88	1.90	1.81	1.73	1.83
CRMS 0162	1.74	1.75	1.80	1.78	1.81	1.91	2.01	1.85	1.56	1.54	1.16	1.42

V3PR9 HYST - cy 4 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.41	1.17	1.02	0.88	0.78	0.69	0.68	0.71	0.77	0.87	1.02
CRMS0276 - Just east of Wilkinson Canal	1.24	1.59	1.73	1.78	1.77	1.64	1.31	1.02	1.39	1.25	1.07	1.15
Barataria Waterway at Lafitte (USACE82875)	1.62	1.82	1.87	1.86	1.92	1.93	1.84	1.59	1.85	1.71	1.56	1.69
USGS2928590900040000 Barataria Waterway South of Lafitte	1.29	1.43	1.20	1.20	1.03	0.90	0.69	0.65	0.78	0.82	0.83	1.00
USGS7380251 Barataria Bay North of Grand Isle	1.32	1.40	1.23	0.83	0.67	0.62	0.63	0.67	0.75	0.79	0.97	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.34	1.27	1.06	0.84	0.74	0.70	0.67	0.72	0.73	0.75	0.91
USGS 07380335 - Little Lake Near Cutoff	1.05	1.35	1.37	1.24	0.98	0.85	0.83	0.76	0.81	0.81	0.75	0.88
USGS073802516 Barataria Pass at Grand Isle	1.05	1.30	1.24	1.06	0.87	0.78	0.78	0.72	0.68	0.69	0.71	0.85
HWQ14 - Lake Washington	1.17	1.31	1.14	0.80	0.66	0.61	0.60	0.59	0.62	0.64	0.78	0.97
HWQ16 - Bayou Grand Liard	0.98	1.29	1.40	1.38	1.26	1.10	1.03	0.84	0.86	0.78	0.70	0.79
CRMS 3985	1.40	1.44	1.31	0.78	0.63	0.62	0.64	0.77	0.87	0.90	1.14	1.24
CRMS 0258	1.27	1.54	1.52	1.56	1.35	1.27	0.91	0.82	1.21	1.08	0.95	1.12
CRMS 0224	1.14	1.44	1.39	1.40	1.17	1.01	0.75	0.69	0.96	0.90	0.82	0.96
CRMS 0163	1.76	1.88	1.92	1.89	1.98	2.01	1.93	1.85	1.89	1.78	1.71	1.83
CRMS 0162	1.75	1.75	1.80	1.79	1.81	1.91	2.01	1.85	1.56	1.47	1.17	1.43

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.04	-0.03	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.04	-0.03	-0.01	-0.03	-0.04	-0.05	-0.05	-0.06	-0.09	-0.06	-0.09
Barataria Waterway at Lafitte (USACE82875)	-0.04	-0.04	-0.04	-0.02	-0.03	-0.04	-0.05	-0.18	-0.05	-0.08	-0.02	-0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.04	-0.03	-0.02	-0.01	-0.02	-0.01	-0.01	-0.04	-0.04	-0.01	-0.08
USGS7380251 Barataria Bay North of Grand Isle	-0.06	-0.05	-0.03	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.04	-0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.06	-0.04	-0.05	-0.03	-0.01	-0.01	-0.02	-0.01	-0.03	-0.03	-0.02	-0.08
USGS 07380335 - Little Lake Near Cutoff	-0.05	-0.03	-0.04	-0.02	-0.01	-0.02	-0.02	-0.01	-0.03	-0.04	-0.03	-0.09
USGS073802516 Barataria Pass at Grand Isle	-0.05	-0.03	-0.04	-0.02	-0.01	-0.02	-0.02	-0.01	-0.02	-0.03	-0.02	-0.07
HWQ14 - Lake Washington	-0.06	-0.05	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.02	-0.03
HWQ16 - Bayou Grand Liard	-0.01	-0.02	-0.03	-0.02	-0.03	-0.05	-0.04	-0.03	-0.04	-0.05	-0.03	-0.06
CRMS 3985	-0.06	-0.05	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.06	-0.12
CRMS 0258	-0.07	-0.04	-0.04	-0.01	-0.02	-0.03	-0.02	-0.03	-0.06	-0.06	-0.06	-0.13
CRMS 0224	-0.07	-0.04	-0.05	-0.02	-0.02	-0.03	-0.01	-0.02	-0.06	-0.05	-0.04	-0.13
CRMS 0163	-0.03	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.03	0.00	-0.03	-0.02	0.00
CRMS 0162	0.01	0.01	-0.01	0.01	0.00	0.00	0.00	0.00	-0.01	-0.07	0.02	0.00

Figure WQ TOTN 196 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.48	1.16	0.99	0.91	0.80	0.67	0.65	0.63	0.66	0.80	1.09
CRMS0276 - Just east of Wilkinson Canal	1.40	1.73	1.80	1.82	1.85	1.44	0.88	0.79	1.14	0.96	1.14	1.48
Barataria Waterway at Lafitte (USACE82875)	1.72	1.90	1.92	1.95	1.98	1.90	1.72	1.57	1.81	1.58	1.63	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.39	1.51	1.22	1.15	1.09	0.93	0.68	0.61	0.64	0.66	0.76	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.18	0.80	0.68	0.64	0.65	0.75	0.76	0.75	0.93	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.44	1.32	1.02	0.86	0.74	0.62	0.56	0.64	0.61	0.67	1.05
USGS 07380335 - Little Lake Near Cutoff	1.20	1.46	1.43	1.18	1.01	0.82	0.66	0.57	0.68	0.63	0.69	1.07
USGS073802516 Barataria Pass at Grand Isle	1.19	1.40	1.29	1.02	0.89	0.77	0.63	0.55	0.60	0.57	0.64	0.99
HWQ14 - Lake Washington	1.27	1.38	1.13	0.77	0.67	0.63	0.59	0.58	0.61	0.60	0.72	1.01
HWQ16 - Bayou Grand Liard	1.10	1.41	1.48	1.36	1.33	0.96	0.67	0.62	0.72	0.59	0.69	1.02
CRMS 3985	1.47	1.47	1.23	0.75	0.63	0.63	0.72	0.99	0.92	0.90	1.10	1.36
CRMS 0258	1.43	1.64	1.56	1.52	1.46	1.24	0.80	0.65	0.96	0.80	0.94	1.39
CRMS 0224	1.30	1.55	1.45	1.35	1.25	1.00	0.67	0.58	0.79	0.69	0.75	1.19
CRMS 0163	1.83	1.92	1.95	1.97	2.00	1.98	1.81	1.72	1.80	1.58	1.81	1.87
CRMS 0162	1.75	1.84	1.84	1.79	1.82	1.81	1.96	1.55	1.07	0.91	1.29	1.72

V3PR9 HYST - cy 4 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.38	1.43	1.13	0.96	0.89	0.79	0.67	0.64	0.62	0.64	0.77	1.05
CRMS0276 - Just east of Wilkinson Canal	1.37	1.69	1.77	1.79	1.83	1.40	0.84	0.74	1.07	0.89	1.03	1.43
Barataria Waterway at Lafitte (USACE82875)	1.68	1.86	1.89	1.93	1.96	1.79	1.51	1.31	1.66	1.46	1.62	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.37	1.47	1.18	1.13	1.07	0.91	0.67	0.61	0.61	0.62	0.69	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.39	1.17	0.79	0.67	0.63	0.65	0.75	0.76	0.75	0.92	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.40	1.27	0.99	0.85	0.74	0.61	0.55	0.61	0.58	0.62	0.97
USGS 07380335 - Little Lake Near Cutoff	1.19	1.42	1.39	1.15	0.99	0.82	0.64	0.56	0.65	0.60	0.62	1.00
USGS073802516 Barataria Pass at Grand Isle	1.17	1.36	1.25	0.99	0.87	0.75	0.61	0.54	0.58	0.55	0.60	0.93
HWQ14 - Lake Washington	1.24	1.33	1.10	0.75	0.65	0.61	0.58	0.58	0.62	0.61	0.72	0.99
HWQ16 - Bayou Grand Liard	1.09	1.38	1.44	1.33	1.29	0.94	0.65	0.59	0.68	0.57	0.65	0.98
CRMS 3985	1.39	1.42	1.23	0.74	0.62	0.62	0.73	0.99	0.92	0.91	1.11	1.34
CRMS 0258	1.41	1.60	1.53	1.49	1.44	1.22	0.78	0.63	0.87	0.75	0.76	1.34
CRMS 0224	1.28	1.51	1.41	1.31	1.23	0.98	0.66	0.57	0.73	0.65	0.64	1.11
CRMS 0163	1.81	1.91	1.93	1.97	2.00	1.96	1.78	1.67	1.78	1.55	1.77	1.86
CRMS 0162	1.75	1.83	1.84	1.78	1.81	1.80	1.95	1.54	1.06	0.89	1.30	1.72

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.03	-0.05	-0.03	-0.02	-0.02	-0.01	-0.01	0.00	-0.01	-0.02	-0.03	-0.04
CRMS0276 - Just east of Wilkinson Canal	-0.03	-0.04	-0.03	-0.03	-0.02	-0.05	-0.04	-0.05	-0.07	-0.07	-0.11	-0.05
Barataria Waterway at Lafitte (USACE82875)	-0.04	-0.04	-0.03	-0.02	-0.02	-0.12	-0.22	-0.26	-0.15	-0.12	-0.02	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.04	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	-0.03	-0.03	-0.07	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.06	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.05	-0.05	-0.03	-0.01	-0.01	-0.01	-0.01	-0.03	-0.03	-0.06	-0.08
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.04	-0.04	-0.03	-0.02	-0.01	-0.01	-0.01	-0.03	-0.03	-0.07	-0.07
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.04	-0.04	-0.03	-0.02	-0.01	-0.01	-0.01	-0.02	-0.02	-0.04	-0.06
HWQ14 - Lake Washington	-0.02	-0.05	-0.03	-0.02	-0.02	-0.01	0.00	0.01	0.00	0.00	0.00	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.03	-0.04	-0.03	-0.03	-0.02	-0.02	-0.03	-0.04	-0.03	-0.04	-0.04
CRMS 3985	-0.08	-0.05	0.00	-0.01	-0.01	0.00	0.01	0.01	0.01	0.01	0.01	-0.03
CRMS 0258	-0.01	-0.03	-0.03	-0.03	-0.02	-0.03	-0.01	-0.01	-0.08	-0.05	-0.19	-0.05
CRMS 0224	-0.02	-0.04	-0.04	-0.04	-0.02	-0.02	-0.01	-0.01	-0.07	-0.04	-0.11	-0.08
CRMS 0163	-0.03	-0.01	-0.01	-0.01	0.00	-0.02	-0.03	-0.05	-0.02	-0.03	-0.03	-0.01
CRMS 0162	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	-0.02	0.01	0.00

Figure WQ TOTN 197 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.09	0.91	0.82	0.71	0.62	0.62	0.57	0.60	0.88	1.15
CRMS0276 - Just east of Wilkinson Canal	1.24	1.62	1.57	1.63	1.62	1.26	0.65	0.56	0.81	0.97	1.30	1.44
Barataria Waterway at Lafitte (USACE82875)	1.59	1.84	1.87	1.90	1.89	1.88	1.42	1.26	1.22	1.72	1.71	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.42	1.08	1.09	0.98	0.84	0.61	0.57	0.52	0.55	0.84	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.38	1.24	0.75	0.62	0.59	0.76	0.79	0.75	0.76	0.99	1.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.35	1.19	0.93	0.75	0.65	0.55	0.50	0.54	0.53	0.76	1.11
USGS 07380335 - Little Lake Near Cutoff	1.10	1.36	1.24	1.06	0.85	0.71	0.54	0.46	0.53	0.54	0.80	1.12
USGS073802516 Barataria Pass at Grand Isle	1.11	1.30	1.15	0.91	0.74	0.64	0.52	0.46	0.51	0.50	0.72	1.05
HWQ14 - Lake Washington	1.25	1.31	1.14	0.72	0.59	0.55	0.58	0.56	0.60	0.58	0.76	1.08
HWQ16 - Bayou Grand Liard	0.97	1.29	1.21	1.14	1.03	0.80	0.53	0.50	0.55	0.54	0.80	1.02
CRMS 3985	1.43	1.42	1.36	0.73	0.59	0.64	1.00	1.07	0.91	0.92	1.16	1.40
CRMS 0258	1.30	1.55	1.31	1.47	1.35	1.08	0.64	0.55	0.68	0.70	1.11	1.36
CRMS 0224	1.21	1.45	1.24	1.26	1.11	0.89	0.57	0.50	0.58	0.59	0.88	1.21
CRMS 0163	1.74	1.87	1.91	1.88	1.93	1.87	1.52	1.47	1.24	1.74	1.85	1.86
CRMS 0162	1.58	1.70	1.55	1.45	1.48	1.51	1.44	1.09	0.71	1.11	1.46	1.70

V3PR9 HYST - cy 4 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.37	1.07	0.91	0.81	0.71	0.64	0.63	0.58	0.61	0.87	1.12
CRMS0276 - Just east of Wilkinson Canal	1.22	1.57	1.53	1.59	1.56	1.22	0.63	0.53	0.78	0.90	1.24	1.41
Barataria Waterway at Lafitte (USACE82875)	1.57	1.80	1.82	1.86	1.86	1.80	1.16	0.90	1.15	1.62	1.71	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.31	1.39	1.06	1.06	0.95	0.82	0.62	0.58	0.52	0.55	0.83	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.37	1.23	0.83	0.70	0.63	0.78	0.81	0.77	0.76	0.96	1.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.32	1.16	0.93	0.75	0.66	0.56	0.50	0.53	0.52	0.73	1.08
USGS 07380335 - Little Lake Near Cutoff	1.10	1.33	1.21	1.04	0.83	0.71	0.55	0.46	0.53	0.53	0.77	1.10
USGS073802516 Barataria Pass at Grand Isle	1.11	1.28	1.13	0.91	0.74	0.64	0.53	0.46	0.51	0.49	0.69	1.03
HWQ14 - Lake Washington	1.23	1.29	1.12	0.77	0.64	0.58	0.62	0.59	0.61	0.59	0.76	1.05
HWQ16 - Bayou Grand Liard	0.99	1.26	1.20	1.12	0.99	0.78	0.51	0.48	0.55	0.52	0.77	1.02
CRMS 3985	1.41	1.40	1.37	0.87	0.74	0.69	1.02	1.09	0.93	0.93	1.11	1.34
CRMS 0258	1.29	1.51	1.28	1.42	1.28	1.05	0.63	0.54	0.64	0.66	1.08	1.33
CRMS 0224	1.19	1.41	1.21	1.22	1.05	0.87	0.58	0.50	0.56	0.56	0.85	1.19
CRMS 0163	1.72	1.86	1.90	1.88	1.91	1.86	1.48	1.41	1.22	1.72	1.82	1.85
CRMS 0162	1.59	1.69	1.54	1.49	1.49	1.48	1.43	1.10	0.71	1.11	1.47	1.71

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.02	0.01	0.01	0.00	-0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.05	-0.04	-0.04	-0.06	-0.04	-0.02	-0.03	-0.03	-0.07	-0.06	-0.03
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.04	-0.04	-0.04	-0.03	-0.08	-0.26	-0.36	-0.07	-0.10	0.00	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	-0.01	-0.03	-0.04	-0.02	0.01	0.01	-0.01	0.00	-0.01	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.02	-0.01	0.08	0.08	0.04	0.02	0.02	0.01	0.01	-0.04	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.03	-0.03	0.00	0.01	0.01	0.01	0.00	0.00	-0.01	-0.03	-0.03
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.03	-0.01	-0.02	0.00	0.00	0.00	0.00	-0.02	-0.03	-0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.02
HWQ14 - Lake Washington	-0.02	-0.02	-0.01	0.05	0.05	0.03	0.03	0.03	0.02	0.01	0.00	-0.02
HWQ16 - Bayou Grand Liard	0.02	-0.03	-0.02	-0.02	-0.04	-0.02	-0.01	-0.01	0.00	-0.02	-0.02	-0.01
CRMS 3985	-0.02	-0.02	0.02	0.14	0.15	0.05	0.02	0.02	0.01	0.00	-0.05	-0.06
CRMS 0258	-0.02	-0.04	-0.03	-0.05	-0.07	-0.03	0.00	-0.01	-0.04	-0.04	-0.03	-0.03
CRMS 0224	-0.01	-0.04	-0.03	-0.04	-0.06	-0.02	0.00	0.00	-0.03	-0.02	-0.04	-0.03
CRMS 0163	-0.01	-0.02	-0.01	0.00	-0.02	-0.01	-0.05	-0.07	-0.02	-0.01	-0.02	0.00
CRMS 0162	0.01	-0.01	-0.01	0.05	0.00	-0.03	-0.01	0.02	0.00	0.01	0.01	0.01

Figure WQ TOTN 198 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.39	1.49	1.15	0.98	0.89	0.82	0.75	0.76	0.76	0.76	0.88	1.11
CRMS0276 - Just east of Wilkinson Canal	1.37	1.77	1.77	1.79	1.76	1.64	1.20	1.08	1.42	1.17	1.15	1.32
Barataria Waterway at Lafitte (USACE82875)	1.74	1.91	1.93	1.94	1.95	1.95	1.85	1.80	1.87	1.74	1.60	1.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.37	1.53	1.19	1.15	1.05	0.97	0.72	0.71	0.82	0.79	0.84	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.40	1.45	1.17	0.79	0.67	0.65	0.78	0.83	0.83	0.82	0.98	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.47	1.28	1.00	0.81	0.76	0.67	0.67	0.76	0.71	0.77	1.03
USGS 07380335 - Little Lake Near Cutoff	1.17	1.50	1.38	1.16	0.93	0.88	0.75	0.75	0.84	0.76	0.78	1.02
USGS073802516 Barataria Pass at Grand Isle	1.16	1.43	1.26	0.99	0.82	0.79	0.71	0.70	0.71	0.67	0.73	0.96
HWQ14 - Lake Washington	1.26	1.39	1.12	0.75	0.64	0.61	0.64	0.64	0.67	0.66	0.79	1.03
HWQ16 - Bayou Grand Liard	1.10	1.47	1.42	1.30	1.17	1.11	0.93	0.88	0.88	0.71	0.73	0.92
CRMS 3985	1.47	1.47	1.21	0.74	0.63	0.66	0.95	1.03	0.96	0.95	1.14	1.40
CRMS 0258	1.36	1.67	1.52	1.54	1.42	1.32	0.89	0.85	1.24	0.98	1.01	1.29
CRMS 0224	1.26	1.58	1.40	1.35	1.18	1.07	0.72	0.69	1.01	0.84	0.85	1.14
CRMS 0163	1.85	1.93	1.96	1.95	1.98	1.98	1.89	1.88	1.89	1.77	1.76	1.83
CRMS 0162	1.81	1.87	1.77	1.70	1.65	1.87	1.97	1.85	1.46	1.32	1.20	1.52

V3PR9 HYST - cy 4 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.36	1.44	1.11	0.94	0.87	0.80	0.74	0.75	0.74	0.74	0.88	1.08
CRMS0276 - Just east of Wilkinson Canal	1.31	1.74	1.74	1.77	1.72	1.61	1.13	1.01	1.35	1.14	1.10	1.26
Barataria Waterway at Lafitte (USACE82875)	1.68	1.88	1.91	1.92	1.92	1.91	1.78	1.67	1.81	1.68	1.60	1.73
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.49	1.15	1.11	1.02	0.96	0.71	0.70	0.78	0.76	0.83	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.39	1.12	0.76	0.66	0.64	0.78	0.82	0.83	0.81	0.98	1.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.42	1.23	0.96	0.80	0.74	0.66	0.66	0.73	0.68	0.75	0.96
USGS 07380335 - Little Lake Near Cutoff	1.13	1.46	1.35	1.13	0.91	0.86	0.73	0.72	0.80	0.73	0.76	0.94
USGS073802516 Barataria Pass at Grand Isle	1.12	1.38	1.22	0.96	0.80	0.76	0.69	0.68	0.69	0.65	0.71	0.91
HWQ14 - Lake Washington	1.23	1.34	1.07	0.72	0.63	0.60	0.64	0.64	0.67	0.66	0.80	1.01
HWQ16 - Bayou Grand Liard	1.06	1.44	1.40	1.28	1.14	1.08	0.88	0.82	0.83	0.69	0.71	0.87
CRMS 3985	1.39	1.40	1.17	0.72	0.62	0.66	0.95	1.02	0.96	0.95	1.14	1.37
CRMS 0258	1.33	1.63	1.48	1.51	1.37	1.32	0.88	0.83	1.17	0.95	0.97	1.17
CRMS 0224	1.22	1.54	1.36	1.31	1.14	1.05	0.71	0.68	0.94	0.80	0.83	1.01
CRMS 0163	1.82	1.92	1.96	1.94	1.97	1.98	1.88	1.85	1.88	1.76	1.73	1.82
CRMS 0162	1.81	1.87	1.77	1.71	1.65	1.87	1.97	1.86	1.45	1.30	1.20	1.49

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.04	-0.05	-0.04	-0.04	-0.02	-0.02	-0.01	-0.01	-0.02	-0.02	0.00	-0.03
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.03	-0.03	-0.03	-0.04	-0.03	-0.07	-0.07	-0.07	-0.03	-0.06	-0.06
Barataria Waterway at Lafitte (USACE82875)	-0.05	-0.03	-0.02	-0.02	-0.02	-0.03	-0.06	-0.13	-0.06	-0.06	0.00	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.05	-0.04	-0.04	-0.03	-0.02	-0.01	-0.01	-0.04	-0.03	-0.01	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.06	-0.05	-0.03	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.05	-0.05	-0.03	-0.02	-0.01	-0.02	-0.02	-0.03	-0.03	-0.02	-0.07
USGS 07380335 - Little Lake Near Cutoff	-0.04	-0.04	-0.04	-0.03	-0.02	-0.02	-0.02	-0.02	-0.04	-0.02	-0.02	-0.08
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.04	-0.04	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.06
HWQ14 - Lake Washington	-0.03	-0.06	-0.05	-0.03	-0.02	-0.02	0.00	0.00	0.00	0.00	0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.05	-0.03	-0.02	-0.02	-0.04	-0.03	-0.05	-0.05	-0.05	-0.01	-0.02	-0.05
CRMS 3985	-0.08	-0.06	-0.04	-0.02	-0.01	0.00	0.01	-0.01	0.00	0.00	0.00	-0.02
CRMS 0258	-0.04	-0.04	-0.04	-0.03	-0.05	-0.01	-0.01	-0.02	-0.07	-0.04	-0.04	-0.12
CRMS 0224	-0.04	-0.05	-0.04	-0.04	-0.04	-0.01	-0.01	-0.02	-0.07	-0.04	-0.02	-0.13
CRMS 0163	-0.03	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.02	-0.01	-0.01	-0.03	-0.01
CRMS 0162	0.00	0.00	0.00	0.01	-0.01	0.01	0.00	0.00	0.00	-0.02	0.00	-0.03

Figure WQ TOTN 199 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.40	1.34	1.13	1.03	0.91	0.81	0.69	0.68	0.67	0.70	0.81	1.11
CRMS0276 - Just east of Wilkinson Canal	1.48	1.53	1.68	1.80	1.78	1.57	1.21	1.00	1.34	1.07	1.10	1.61
Barataria Waterway at Lafitte (USACE82875)	1.76	1.83	1.88	1.94	1.85	1.92	1.88	1.73	1.87	1.70	1.58	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	1.42	1.41	1.18	1.21	1.11	0.93	0.68	0.64	0.73	0.74	0.78	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.36	1.25	1.17	0.84	0.67	0.63	0.63	0.67	0.74	0.76	0.92	1.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.35	1.20	1.06	0.88	0.76	0.67	0.64	0.70	0.66	0.70	1.07
USGS 07380335 - Little Lake Near Cutoff	1.28	1.35	1.29	1.22	1.05	0.88	0.77	0.72	0.77	0.70	0.70	1.13
USGS073802516 Barataria Pass at Grand Isle	1.26	1.31	1.15	1.05	0.91	0.81	0.74	0.69	0.66	0.62	0.66	1.02
HWQ14 - Lake Washington	1.29	1.27	1.05	0.80	0.67	0.63	0.60	0.58	0.61	0.61	0.73	1.00
HWQ16 - Bayou Grand Liard	1.18	1.25	1.31	1.35	1.34	1.16	0.98	0.82	0.82	0.66	0.68	1.13
CRMS 3985	1.35	1.23	1.28	0.81	0.62	0.61	0.63	0.77	0.87	0.89	1.08	1.35
CRMS 0258	1.49	1.53	1.49	1.56	1.53	1.19	0.86	0.80	1.14	0.93	0.95	1.44
CRMS 0224	1.37	1.45	1.35	1.40	1.30	1.00	0.71	0.66	0.93	0.79	0.78	1.24
CRMS 0163	1.85	1.86	1.91	1.96	1.86	1.97	1.94	1.85	1.88	1.71	1.77	1.90
CRMS 0162	1.68	1.47	1.73	1.74	1.73	1.92	2.01	1.83	1.35	1.11	1.24	1.84

V3PR9 HYST - cy 4 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.39	1.40	1.21	1.03	0.89	0.80	0.69	0.68	0.66	0.69	0.78	1.06
CRMS0276 - Just east of Wilkinson Canal	1.43	1.48	1.63	1.77	1.76	1.53	1.15	0.97	1.30	1.01	0.98	1.55
Barataria Waterway at Lafitte (USACE82875)	1.71	1.78	1.84	1.91	1.84	1.86	1.77	1.56	1.79	1.59	1.56	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.40	1.42	1.23	1.19	1.09	0.93	0.68	0.64	0.70	0.71	0.72	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.37	1.39	1.27	0.87	0.67	0.63	0.63	0.67	0.73	0.75	0.91	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.35	1.25	1.07	0.87	0.76	0.66	0.63	0.67	0.64	0.63	0.98
USGS 07380335 - Little Lake Near Cutoff	1.24	1.33	1.31	1.21	1.04	0.88	0.76	0.71	0.75	0.69	0.62	1.03
USGS073802516 Barataria Pass at Grand Isle	1.21	1.30	1.19	1.05	0.90	0.80	0.72	0.67	0.65	0.61	0.61	0.95
HWQ14 - Lake Washington	1.27	1.33	1.15	0.83	0.67	0.62	0.59	0.58	0.61	0.61	0.73	0.97
HWQ16 - Bayou Grand Liard	1.11	1.22	1.29	1.32	1.30	1.13	0.93	0.80	0.80	0.64	0.63	1.05
CRMS 3985	1.41	1.43	1.38	0.85	0.63	0.61	0.64	0.78	0.87	0.89	1.09	1.33
CRMS 0258	1.46	1.48	1.48	1.53	1.50	1.18	0.85	0.78	1.07	0.89	0.77	1.36
CRMS 0224	1.34	1.41	1.35	1.37	1.28	0.99	0.70	0.65	0.88	0.76	0.66	1.12
CRMS 0163	1.81	1.84	1.90	1.95	1.85	1.97	1.92	1.83	1.87	1.68	1.74	1.88
CRMS 0162	1.67	1.48	1.74	1.73	1.72	1.92	2.01	1.84	1.34	1.07	1.24	1.84

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	0.06	0.08	0.00	-0.02	-0.01	0.00	0.00	-0.01	-0.02	-0.03	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.06	-0.05	-0.03	-0.01	-0.04	-0.06	-0.03	-0.05	-0.07	-0.12	-0.06
Barataria Waterway at Lafitte (USACE82875)	-0.05	-0.05	-0.04	-0.03	-0.01	-0.06	-0.11	-0.17	-0.08	-0.11	-0.03	-0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.01	0.06	-0.01	-0.02	-0.01	0.00	-0.01	-0.03	-0.03	-0.07	-0.09
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.15	0.10	0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	0.00	0.05	0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.07	-0.09
USGS 07380335 - Little Lake Near Cutoff	-0.05	-0.02	0.02	0.00	-0.01	0.00	-0.01	-0.01	-0.02	-0.01	-0.08	-0.10
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.01	0.04	0.01	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.05	-0.08
HWQ14 - Lake Washington	-0.02	0.06	0.10	0.03	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.03
HWQ16 - Bayou Grand Liard	-0.06	-0.03	-0.02	-0.03	-0.03	-0.03	-0.05	-0.02	-0.02	-0.02	-0.05	-0.07
CRMS 3985	0.06	0.21	0.10	0.05	0.01	0.00	0.00	0.01	0.00	0.00	0.00	-0.02
CRMS 0258	-0.03	-0.05	0.00	-0.03	-0.03	-0.01	-0.01	-0.02	-0.07	-0.04	-0.18	-0.08
CRMS 0224	-0.03	-0.03	0.00	-0.02	-0.02	0.00	-0.01	-0.01	-0.05	-0.03	-0.12	-0.12
CRMS 0163	-0.04	-0.02	-0.01	-0.01	0.00	0.00	-0.02	-0.02	-0.01	-0.04	-0.03	-0.01
CRMS 0162	-0.01	0.01	0.01	-0.01	-0.01	0.00	0.00	0.01	-0.01	-0.04	0.00	-0.01

Figure WQ TOTN 200 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.45	1.30	1.20	0.96	0.84	0.71	0.67	0.75	0.79	0.79	1.04
CRMS0276 - Just east of Wilkinson Canal	1.26	1.61	1.76	1.81	1.83	1.70	1.33	1.01	1.39	1.26	1.12	1.19
Barataria Waterway at Lafitte (USACE82875)	1.63	1.85	1.92	1.90	1.97	1.99	1.90	1.79	1.85	1.72	1.56	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.48	1.35	1.39	1.15	0.98	0.70	0.65	0.90	0.89	0.78	1.04
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.45	1.32	0.99	0.73	0.67	0.64	0.66	0.72	0.74	0.85	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.09	1.38	1.38	1.21	0.94	0.80	0.72	0.66	0.77	0.77	0.73	0.95
USGS 07380335 - Little Lake Near Cutoff	1.04	1.37	1.44	1.34	1.08	0.94	0.85	0.74	0.84	0.85	0.76	0.93
USGS073802516 Barataria Pass at Grand Isle	1.04	1.32	1.33	1.18	0.95	0.83	0.78	0.70	0.69	0.72	0.69	0.88
HWQ14 - Lake Washington	1.19	1.36	1.27	0.95	0.74	0.66	0.62	0.60	0.60	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.95	1.27	1.40	1.40	1.29	1.11	0.99	0.80	0.83	0.76	0.70	0.81
CRMS 3985	1.41	1.48	1.36	0.91	0.67	0.63	0.63	0.72	0.81	0.81	0.97	1.26
CRMS 0258	1.27	1.59	1.61	1.68	1.51	1.32	0.87	0.80	1.35	1.16	0.98	1.19
CRMS 0224	1.15	1.49	1.50	1.54	1.32	1.08	0.75	0.68	1.09	0.97	0.82	1.06
CRMS 0163	1.77	1.88	1.95	1.91	1.99	2.00	1.95	1.85	1.86	1.73	1.70	1.77
CRMS 0162	1.70	1.69	1.77	1.78	1.82	1.90	2.00	1.80	1.48	1.38	1.12	1.35

V3PR2 HYST - cy 5 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	1.95	1.98	1.93	1.99	2.00	1.99	1.93	1.89	1.94	1.90	1.89
CRMS0276 - Just east of Wilkinson Canal	1.27	1.58	1.72	1.78	1.73	1.52	1.21	1.06	1.27	1.12	1.01	1.11
Barataria Waterway at Lafitte (USACE82875)	1.61	1.84	1.91	1.89	1.96	1.97	1.82	1.70	1.67	1.51	1.49	1.54
USGS2928590900040000 Barataria Waterway South of Lafitte	1.73	1.77	1.85	1.82	1.92	1.94	1.89	1.49	1.25	1.40	1.41	1.50
USGS7380251 Barataria Bay North of Grand Isle	1.56	1.65	1.71	1.56	1.47	1.34	1.33	1.07	1.01	0.99	0.93	1.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.32	1.58	1.74	1.61	1.47	1.28	1.23	0.93	0.93	0.98	0.78	1.06
USGS 07380335 - Little Lake Near Cutoff	1.16	1.51	1.68	1.59	1.39	1.23	1.11	0.88	0.90	0.94	0.71	0.95
USGS073802516 Barataria Pass at Grand Isle	1.20	1.48	1.62	1.45	1.15	0.99	0.94	0.79	0.81	0.84	0.70	0.93
HWQ14 - Lake Washington	1.38	1.56	1.60	1.35	1.09	0.96	0.97	0.84	0.80	0.84	0.79	1.07
HWQ16 - Bayou Grand Liard	0.99	1.33	1.47	1.46	1.26	1.06	0.87	0.77	0.81	0.73	0.64	0.81
CRMS 3985	1.51	1.60	1.61	1.34	1.12	1.02	1.04	0.93	0.92	0.88	0.90	1.30
CRMS 0258	1.45	1.66	1.75	1.75	1.60	1.63	1.60	1.33	1.37	1.19	0.94	1.18
CRMS 0224	1.37	1.63	1.77	1.73	1.62	1.56	1.47	1.10	1.13	1.10	0.83	1.11
CRMS 0163	1.72	1.84	1.94	1.89	1.98	1.98	1.87	1.79	1.66	1.45	1.64	1.56
CRMS 0162	1.58	1.56	1.73	1.73	1.73	1.82	1.97	1.66	1.15	1.10	1.14	1.26

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.58	0.49	0.69	0.73	1.04	1.16	1.28	1.27	1.15	1.15	1.12	0.85
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.03	-0.04	-0.02	-0.10	-0.18	-0.12	0.05	-0.12	-0.14	-0.11	-0.08
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.01	0.00	-0.01	-0.01	-0.02	-0.08	-0.09	-0.19	-0.21	-0.07	-0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.43	0.28	0.50	0.43	0.78	0.96	1.19	0.84	0.35	0.51	0.63	0.45
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.20	0.39	0.57	0.74	0.68	0.68	0.41	0.29	0.25	0.08	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.23	0.20	0.36	0.39	0.53	0.48	0.51	0.27	0.16	0.21	0.05	0.11
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.23	0.24	0.31	0.29	0.26	0.14	0.07	0.09	-0.04	0.03
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.29	0.27	0.21	0.16	0.15	0.10	0.12	0.12	0.02	0.05
HWQ14 - Lake Washington	0.19	0.20	0.33	0.40	0.35	0.31	0.34	0.24	0.19	0.21	0.07	0.11
HWQ16 - Bayou Grand Liard	0.04	0.05	0.07	0.06	-0.03	-0.06	-0.12	-0.03	-0.02	-0.03	-0.06	0.00
CRMS 3985	0.10	0.12	0.24	0.43	0.45	0.39	0.41	0.21	0.11	0.07	-0.08	0.04
CRMS 0258	0.18	0.07	0.14	0.07	0.10	0.32	0.73	0.53	0.02	0.03	-0.04	0.00
CRMS 0224	0.22	0.15	0.27	0.19	0.30	0.48	0.72	0.42	0.04	0.13	0.01	0.04
CRMS 0163	-0.04	-0.04	-0.01	-0.02	-0.02	-0.03	-0.08	-0.07	-0.20	-0.27	-0.06	-0.21
CRMS 0162	-0.12	-0.14	-0.04	-0.05	-0.09	-0.07	-0.03	-0.14	-0.33	-0.28	0.02	-0.09

Figure WQ TOTN 201 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.64	1.70	1.48	1.27	1.09	0.99	0.84	0.79	0.81	0.79	0.89	1.28
CRMS0276 - Just east of Wilkinson Canal	1.47	1.75	1.84	1.86	1.91	1.50	0.93	0.87	1.14	0.93	1.13	1.49
Barataria Waterway at Lafitte (USACE82875)	1.74	1.92	1.95	1.98	2.00	1.97	1.78	1.60	1.67	1.46	1.61	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.63	1.72	1.54	1.43	1.29	1.13	0.85	0.77	0.87	0.80	0.85	1.28
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.67	1.47	1.11	0.85	0.82	0.82	0.88	0.88	0.83	0.98	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.40	1.61	1.58	1.30	1.06	0.92	0.76	0.68	0.79	0.71	0.71	1.17
USGS 07380335 - Little Lake Near Cutoff	1.31	1.59	1.63	1.40	1.21	1.00	0.77	0.66	0.79	0.70	0.71	1.15
USGS073802516 Barataria Pass at Grand Isle	1.32	1.55	1.53	1.26	1.06	0.91	0.74	0.64	0.72	0.65	0.68	1.09
HWQ14 - Lake Washington	1.48	1.61	1.45	1.08	0.85	0.79	0.74	0.70	0.74	0.71	0.79	1.17
HWQ16 - Bayou Grand Liard	1.11	1.44	1.53	1.41	1.38	1.02	0.70	0.64	0.73	0.60	0.69	1.04
CRMS 3985	1.65	1.67	1.49	1.06	0.80	0.78	0.86	1.03	0.99	0.93	1.11	1.43
CRMS 0258	1.59	1.76	1.75	1.71	1.66	1.37	0.90	0.78	1.15	0.92	0.96	1.49
CRMS 0224	1.48	1.69	1.67	1.57	1.47	1.17	0.80	0.71	0.98	0.80	0.79	1.32
CRMS 0163	1.83	1.93	1.97	1.99	2.02	1.97	1.83	1.72	1.69	1.42	1.79	1.89
CRMS 0162	1.73	1.83	1.83	1.77	1.83	1.79	1.90	1.53	1.03	0.87	1.25	1.68

V3PR2 HYST - cy 5 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.98	1.99	2.00	2.01	1.96	1.88	1.91	1.87	1.90	1.89	1.94
CRMS0276 - Just east of Wilkinson Canal	1.42	1.70	1.77	1.78	1.77	1.34	0.80	0.72	0.90	0.68	0.97	1.39
Barataria Waterway at Lafitte (USACE82875)	1.69	1.90	1.94	1.94	1.97	1.92	1.67	1.39	1.09	1.00	1.56	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.91	1.93	1.95	1.97	1.76	1.64	1.52	1.24	1.32	1.47	1.75
USGS7380251 Barataria Bay North of Grand Isle	1.66	1.72	1.72	1.55	1.45	0.98	0.81	0.84	0.89	0.83	1.03	1.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.49	1.72	1.77	1.60	1.53	1.02	0.71	0.61	0.70	0.64	0.69	1.28
USGS 07380335 - Little Lake Near Cutoff	1.34	1.66	1.73	1.55	1.46	1.05	0.68	0.56	0.65	0.57	0.61	1.16
USGS073802516 Barataria Pass at Grand Isle	1.36	1.62	1.66	1.39	1.20	0.93	0.65	0.55	0.63	0.57	0.63	1.08
HWQ14 - Lake Washington	1.53	1.66	1.61	1.30	1.11	0.87	0.71	0.63	0.70	0.68	0.79	1.22
HWQ16 - Bayou Grand Liard	1.08	1.44	1.53	1.40	1.29	0.95	0.59	0.56	0.62	0.49	0.58	0.95
CRMS 3985	1.63	1.67	1.61	1.29	1.14	0.88	0.79	0.93	0.94	0.90	1.12	1.45
CRMS 0258	1.65	1.75	1.79	1.70	1.68	1.34	0.98	0.85	0.96	0.77	0.79	1.51
CRMS 0224	1.57	1.75	1.81	1.70	1.69	1.20	0.80	0.68	0.82	0.68	0.71	1.40
CRMS 0163	1.76	1.90	1.95	1.90	1.99	1.88	1.73	1.42	0.98	0.91	1.68	1.82
CRMS 0162	1.60	1.71	1.77	1.68	1.73	1.52	1.59	1.30	0.77	0.71	1.15	1.45

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.33	0.28	0.51	0.73	0.92	0.97	1.04	1.13	1.07	1.11	1.00	0.67
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.06	-0.07	-0.08	-0.14	-0.17	-0.13	-0.15	-0.24	-0.26	-0.16	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.05	-0.01	-0.01	-0.04	-0.04	-0.04	-0.11	-0.20	-0.58	-0.46	-0.06	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.26	0.18	0.39	0.52	0.67	0.63	0.79	0.75	0.37	0.52	0.63	0.48
USGS7380251 Barataria Bay North of Grand Isle	0.05	0.05	0.25	0.44	0.60	0.16	-0.01	-0.04	0.01	0.00	0.06	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.11	0.19	0.30	0.47	0.10	-0.05	-0.07	-0.09	-0.07	-0.03	0.11
USGS 07380335 - Little Lake Near Cutoff	0.03	0.07	0.10	0.14	0.25	0.05	-0.08	-0.10	-0.14	-0.13	-0.10	0.00
USGS073802516 Barataria Pass at Grand Isle	0.04	0.07	0.13	0.13	0.14	0.02	-0.09	-0.10	-0.10	-0.09	-0.06	-0.01
HWQ14 - Lake Washington	0.04	0.05	0.16	0.22	0.26	0.08	-0.04	-0.07	-0.04	-0.03	0.00	0.05
HWQ16 - Bayou Grand Liard	-0.03	0.00	0.00	-0.01	-0.09	-0.07	-0.11	-0.09	-0.12	-0.10	-0.11	-0.09
CRMS 3985	-0.02	0.00	0.12	0.23	0.34	0.10	-0.07	-0.10	-0.06	-0.04	0.01	0.02
CRMS 0258	0.06	-0.01	0.04	-0.01	0.02	-0.03	0.08	0.07	-0.19	-0.15	-0.17	0.02
CRMS 0224	0.09	0.06	0.13	0.13	0.22	0.03	0.00	-0.03	-0.16	-0.13	-0.09	0.07
CRMS 0163	-0.07	-0.03	-0.02	-0.09	-0.03	-0.09	-0.10	-0.31	-0.71	-0.51	-0.10	-0.07
CRMS 0162	-0.13	-0.12	-0.06	-0.08	-0.10	-0.26	-0.31	-0.23	-0.26	-0.16	-0.10	-0.23

Figure WQ TOTN 202 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.60	1.53	1.05	1.08	0.96	0.87	0.77	0.76	0.74	0.74	1.04	1.37
CRMS0276 - Just east of Wilkinson Canal	1.34	1.67	1.65	1.67	1.63	1.33	0.74	0.63	0.88	0.96	1.33	1.48
Barataria Waterway at Lafitte (USACE82875)	1.64	1.89	1.92	1.90	1.89	1.94	1.46	1.16	1.11	1.65	1.73	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.58	1.61	1.21	1.30	1.15	1.02	0.76	0.72	0.72	0.71	1.02	1.36
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.37	0.93	0.87	0.75	0.74	0.88	0.91	0.87	0.83	1.08	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.33	1.50	1.24	1.06	0.89	0.82	0.68	0.59	0.67	0.64	0.86	1.29
USGS 07380335 - Little Lake Near Cutoff	1.22	1.49	1.33	1.16	0.98	0.88	0.65	0.53	0.64	0.62	0.87	1.25
USGS073802516 Barataria Pass at Grand Isle	1.26	1.44	1.21	1.00	0.86	0.80	0.64	0.54	0.62	0.59	0.79	1.20
HWQ14 - Lake Washington	1.47	1.42	0.99	0.81	0.72	0.71	0.72	0.67	0.71	0.68	0.88	1.29
HWQ16 - Bayou Grand Liard	1.01	1.34	1.27	1.17	1.05	0.87	0.57	0.53	0.61	0.56	0.80	1.07
CRMS 3985	1.57	1.22	0.91	0.82	0.71	0.77	1.04	1.09	1.00	0.96	1.20	1.50
CRMS 0258	1.50	1.71	1.51	1.61	1.50	1.20	0.75	0.67	0.89	0.86	1.25	1.50
CRMS 0224	1.40	1.62	1.40	1.41	1.26	1.05	0.71	0.62	0.77	0.73	1.02	1.39
CRMS 0163	1.75	1.90	1.94	1.84	1.93	1.87	1.58	1.39	1.12	1.66	1.85	1.86
CRMS 0162	1.56	1.67	1.50	1.44	1.47	1.42	1.40	1.13	0.74	1.03	1.41	1.61

V3PR2 HYST - cy 5 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.97	1.98	1.91	1.92	1.87	1.92	1.95	1.88	1.84	1.86	1.91
CRMS0276 - Just east of Wilkinson Canal	1.26	1.62	1.57	1.63	1.45	1.13	0.59	0.53	0.69	0.62	1.19	1.42
Barataria Waterway at Lafitte (USACE82875)	1.56	1.83	1.92	1.86	1.81	1.88	0.90	0.69	0.82	1.03	1.73	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.79	1.89	1.86	1.73	1.76	1.51	1.62	1.50	1.19	1.25	1.47	1.68
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.66	1.59	1.29	1.07	0.75	0.83	0.86	0.87	0.83	1.06	1.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.59	1.52	1.32	1.15	0.76	0.61	0.55	0.63	0.60	0.76	1.28
USGS 07380335 - Little Lake Near Cutoff	1.17	1.52	1.44	1.33	1.10	0.79	0.56	0.47	0.55	0.52	0.72	1.19
USGS073802516 Barataria Pass at Grand Isle	1.21	1.48	1.42	1.20	0.94	0.71	0.54	0.47	0.55	0.53	0.69	1.13
HWQ14 - Lake Washington	1.42	1.57	1.47	1.15	0.88	0.69	0.66	0.61	0.67	0.66	0.82	1.25
HWQ16 - Bayou Grand Liard	0.98	1.32	1.26	1.20	0.96	0.75	0.48	0.48	0.53	0.46	0.69	0.99
CRMS 3985	1.61	1.63	1.59	1.20	0.88	0.75	0.96	1.02	0.94	0.91	1.14	1.46
CRMS 0258	1.45	1.69	1.51	1.61	1.42	1.12	0.84	0.77	0.74	0.66	1.03	1.50
CRMS 0224	1.35	1.65	1.52	1.49	1.36	0.97	0.69	0.61	0.65	0.61	0.84	1.38
CRMS 0163	1.63	1.79	1.90	1.73	1.81	1.73	0.93	0.74	0.80	0.97	1.82	1.80
CRMS 0162	1.38	1.44	1.36	1.21	1.23	1.09	0.82	0.82	0.67	0.72	1.30	1.38

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.35	0.45	0.93	0.84	0.96	1.00	1.15	1.19	1.15	1.10	0.82	0.54
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.05	-0.08	-0.03	-0.18	-0.20	-0.15	-0.10	-0.18	-0.34	-0.14	-0.06
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.06	-0.01	-0.04	-0.08	-0.07	-0.56	-0.47	-0.29	-0.63	0.01	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.28	0.65	0.44	0.61	0.49	0.86	0.78	0.47	0.53	0.44	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.29	0.66	0.43	0.32	0.01	-0.05	-0.04	0.00	-0.01	-0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	0.09	0.28	0.26	0.26	-0.06	-0.07	-0.04	-0.05	-0.04	-0.09	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.05	0.03	0.11	0.17	0.13	-0.09	-0.10	-0.06	-0.08	-0.11	-0.15	-0.06
USGS073802516 Barataria Pass at Grand Isle	-0.05	0.04	0.21	0.20	0.07	-0.09	-0.09	-0.07	-0.07	-0.06	-0.10	-0.07
HWQ14 - Lake Washington	-0.05	0.15	0.48	0.34	0.15	-0.02	-0.05	-0.06	-0.04	-0.02	-0.06	-0.04
HWQ16 - Bayou Grand Liard	-0.04	-0.02	-0.01	0.03	-0.09	-0.12	-0.09	-0.05	-0.08	-0.10	-0.12	-0.08
CRMS 3985	0.04	0.41	0.68	0.38	0.17	-0.02	-0.07	-0.08	-0.06	-0.05	-0.06	-0.03
CRMS 0258	-0.05	-0.02	-0.01	0.00	-0.08	-0.08	0.09	0.10	-0.15	-0.20	-0.22	-0.01
CRMS 0224	-0.05	0.03	0.11	0.08	0.09	-0.08	-0.02	-0.01	-0.11	-0.12	-0.18	-0.01
CRMS 0163	-0.12	-0.11	-0.04	-0.12	-0.13	-0.14	-0.65	-0.65	-0.32	-0.69	-0.03	-0.06
CRMS 0162	-0.17	-0.23	-0.14	-0.24	-0.24	-0.33	-0.58	-0.31	-0.07	-0.31	-0.12	-0.24

Figure WQ TOTN 203 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.61	1.71	1.46	1.24	1.05	1.01	0.91	0.89	0.96	0.90	0.99	1.30
CRMS0276 - Just east of Wilkinson Canal	1.45	1.80	1.82	1.84	1.78	1.70	1.24	1.12	1.41	1.18	1.20	1.35
Barataria Waterway at Lafitte (USACE82875)	1.76	1.94	1.96	1.96	1.95	1.99	1.88	1.84	1.83	1.71	1.61	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.59	1.74	1.51	1.42	1.24	1.18	0.89	0.86	1.07	0.96	0.96	1.29
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.68	1.47	1.08	0.84	0.82	0.92	0.95	0.95	0.90	1.04	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.64	1.55	1.27	0.99	0.93	0.82	0.79	0.93	0.84	0.85	1.17
USGS 07380335 - Little Lake Near Cutoff	1.30	1.62	1.59	1.38	1.10	1.05	0.87	0.83	0.95	0.86	0.85	1.12
USGS073802516 Barataria Pass at Grand Isle	1.31	1.57	1.51	1.23	0.97	0.92	0.82	0.79	0.84	0.78	0.80	1.09
HWQ14 - Lake Washington	1.47	1.62	1.44	1.04	0.82	0.77	0.78	0.77	0.80	0.77	0.88	1.21
HWQ16 - Bayou Grand Liard	1.13	1.49	1.49	1.37	1.20	1.14	0.91	0.84	0.88	0.73	0.75	0.97
CRMS 3985	1.64	1.68	1.49	1.03	0.79	0.80	1.02	1.08	1.04	0.98	1.15	1.47
CRMS 0258	1.53	1.79	1.71	1.72	1.58	1.44	0.99	0.95	1.44	1.12	1.12	1.37
CRMS 0224	1.44	1.72	1.64	1.57	1.36	1.23	0.86	0.83	1.20	0.98	0.95	1.26
CRMS 0163	1.86	1.95	1.97	1.93	1.99	1.99	1.92	1.88	1.87	1.72	1.75	1.83
CRMS 0162	1.81	1.87	1.75	1.70	1.69	1.87	1.98	1.82	1.42	1.22	1.18	1.45

V3PR2 HYST - cy 5 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.98	1.99	1.99	2.00	1.99	1.98	1.92	1.87	1.89	1.93	1.92
CRMS0276 - Just east of Wilkinson Canal	1.36	1.73	1.76	1.75	1.62	1.49	1.15	1.10	1.20	0.89	1.05	1.20
Barataria Waterway at Lafitte (USACE82875)	1.64	1.91	1.94	1.92	1.88	1.96	1.76	1.70	1.50	1.27	1.56	1.67
USGS2928590900040000 Barataria Waterway South of Lafitte	1.89	1.91	1.95	1.95	1.95	1.96	1.96	1.68	1.34	1.37	1.56	1.63
USGS7380251 Barataria Bay North of Grand Isle	1.64	1.73	1.71	1.50	1.37	1.17	1.12	1.01	0.92	0.86	1.06	1.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.48	1.74	1.76	1.55	1.42	1.26	1.17	1.03	0.85	0.74	0.77	1.14
USGS 07380335 - Little Lake Near Cutoff	1.31	1.68	1.70	1.50	1.33	1.22	1.06	0.92	0.83	0.70	0.70	1.04
USGS073802516 Barataria Pass at Grand Isle	1.32	1.63	1.63	1.34	1.10	0.98	0.87	0.81	0.76	0.66	0.69	1.00
HWQ14 - Lake Washington	1.48	1.66	1.58	1.26	1.04	0.92	0.88	0.83	0.75	0.72	0.84	1.17
HWQ16 - Bayou Grand Liard	1.05	1.48	1.48	1.34	1.12	1.04	0.79	0.75	0.77	0.59	0.63	0.85
CRMS 3985	1.59	1.66	1.58	1.25	1.06	0.94	0.91	0.87	0.90	0.90	1.13	1.44
CRMS 0258	1.61	1.76	1.81	1.70	1.55	1.61	1.61	1.42	1.33	0.98	0.98	1.27
CRMS 0224	1.56	1.76	1.81	1.67	1.55	1.55	1.46	1.20	1.09	0.84	0.84	1.19
CRMS 0163	1.75	1.92	1.95	1.85	1.94	1.95	1.82	1.78	1.39	1.15	1.65	1.60
CRMS 0162	1.70	1.78	1.64	1.59	1.56	1.75	1.88	1.62	1.03	0.87	1.13	1.29

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.36	0.27	0.53	0.75	0.94	0.98	1.07	1.04	0.91	0.98	0.94	0.62
CRMS0276 - Just east of Wilkinson Canal	-0.09	-0.07	-0.06	-0.09	-0.16	-0.21	-0.09	-0.02	-0.21	-0.30	-0.15	-0.15
Barataria Waterway at Lafitte (USACE82875)	-0.12	-0.02	-0.02	-0.04	-0.07	-0.03	-0.12	-0.14	-0.33	-0.44	-0.05	-0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.30	0.17	0.44	0.53	0.71	0.78	1.07	0.82	0.27	0.41	0.60	0.34
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.05	0.24	0.42	0.53	0.35	0.20	0.06	-0.04	-0.03	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.21	0.28	0.42	0.33	0.34	0.23	-0.08	-0.10	-0.08	-0.03
USGS 07380335 - Little Lake Near Cutoff	0.01	0.06	0.11	0.12	0.22	0.16	0.19	0.10	-0.12	-0.16	-0.15	-0.09
USGS073802516 Barataria Pass at Grand Isle	0.01	0.06	0.12	0.12	0.13	0.05	0.05	0.02	-0.08	-0.11	-0.11	-0.08
HWQ14 - Lake Washington	0.01	0.04	0.14	0.21	0.22	0.15	0.10	0.05	-0.05	-0.05	-0.05	-0.03
HWQ16 - Bayou Grand Liard	-0.09	-0.02	-0.01	-0.03	-0.08	-0.10	-0.12	-0.10	-0.12	-0.14	-0.13	-0.11
CRMS 3985	-0.05	-0.02	0.08	0.22	0.27	0.14	-0.11	-0.21	-0.14	-0.08	-0.02	-0.03
CRMS 0258	0.08	-0.02	0.09	-0.03	-0.02	0.17	0.63	0.46	-0.11	-0.14	-0.14	-0.10
CRMS 0224	0.12	0.04	0.17	0.11	0.19	0.32	0.59	0.37	-0.12	-0.14	-0.12	-0.07
CRMS 0163	-0.12	-0.03	-0.03	-0.08	-0.05	-0.04	-0.10	-0.10	-0.48	-0.57	-0.10	-0.23
CRMS 0162	-0.12	-0.09	-0.10	-0.11	-0.12	-0.13	-0.10	-0.20	-0.39	-0.35	-0.05	-0.16

Figure WQ TOTN 204 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.66	1.57	1.24	1.18	1.07	0.98	0.88	0.87	0.89	0.87	0.94	1.32
CRMS0276 - Just east of Wilkinson Canal	1.53	1.59	1.74	1.83	1.83	1.67	1.22	1.02	1.34	1.09	1.14	1.61
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.93	1.96	1.89	1.96	1.88	1.76	1.82	1.64	1.60	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.67	1.64	1.39	1.41	1.32	1.13	0.85	0.82	0.99	0.92	0.91	1.33
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.44	1.06	0.89	0.77	0.78	0.88	0.93	0.92	0.88	1.00	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.45	1.53	1.38	1.21	1.03	0.92	0.79	0.76	0.88	0.81	0.77	1.23
USGS 07380335 - Little Lake Near Cutoff	1.37	1.49	1.46	1.35	1.20	1.05	0.85	0.78	0.90	0.82	0.76	1.23
USGS073802516 Barataria Pass at Grand Isle	1.38	1.47	1.33	1.17	1.02	0.94	0.82	0.75	0.80	0.74	0.73	1.14
HWQ14 - Lake Washington	1.52	1.48	1.14	0.88	0.77	0.76	0.76	0.75	0.78	0.76	0.83	1.20
HWQ16 - Bayou Grand Liard	1.17	1.30	1.37	1.37	1.35	1.21	0.94	0.79	0.84	0.69	0.70	1.13
CRMS 3985	1.57	1.33	0.93	0.76	0.69	0.75	0.97	1.06	1.02	0.96	1.12	1.45
CRMS 0258	1.65	1.67	1.65	1.73	1.72	1.31	0.94	0.91	1.35	1.07	1.02	1.55
CRMS 0224	1.54	1.60	1.54	1.56	1.50	1.16	0.83	0.79	1.13	0.94	0.86	1.39
CRMS 0163	1.83	1.87	1.95	1.97	1.90	1.98	1.93	1.84	1.85	1.63	1.76	1.91
CRMS 0162	1.65	1.44	1.71	1.74	1.76	1.92	1.99	1.78	1.30	1.05	1.19	1.80

V3PR2 HYST - cy 5 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.03	1.97	1.98	1.99	1.90	1.97	1.99	1.90	1.87	1.91	1.92	1.97
CRMS0276 - Just east of Wilkinson Canal	1.48	1.57	1.60	1.76	1.74	1.49	1.14	1.02	1.14	0.84	0.98	1.53
Barataria Waterway at Lafitte (USACE82875)	1.72	1.64	1.89	1.92	1.84	1.93	1.75	1.69	1.40	1.12	1.53	1.90
USGS2928590900040000 Barataria Waterway South of Lafitte	2.00	1.86	1.89	1.93	1.85	1.94	1.97	1.53	1.32	1.37	1.55	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.70	1.68	1.68	1.57	1.43	1.23	1.13	0.92	0.90	0.85	1.05	1.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.52	1.58	1.68	1.65	1.51	1.29	1.16	0.83	0.81	0.73	0.73	1.57
USGS 07380335 - Little Lake Near Cutoff	1.39	1.52	1.60	1.60	1.47	1.25	1.06	0.81	0.79	0.67	0.64	1.40
USGS073802516 Barataria Pass at Grand Isle	1.42	1.48	1.55	1.46	1.23	0.99	0.88	0.72	0.72	0.65	0.66	1.32
HWQ14 - Lake Washington	1.58	1.59	1.57	1.37	1.13	0.92	0.88	0.75	0.73	0.71	0.82	1.39
HWQ16 - Bayou Grand Liard	1.12	1.31	1.35	1.41	1.33	1.10	0.82	0.73	0.75	0.58	0.59	1.08
CRMS 3985	1.66	1.66	1.63	1.36	1.15	0.95	0.92	0.86	0.91	0.90	1.12	1.50
CRMS 0258	1.71	1.68	1.67	1.75	1.70	1.58	1.59	1.19	1.24	0.95	0.86	1.63
CRMS 0224	1.60	1.63	1.70	1.75	1.67	1.58	1.45	0.94	1.03	0.82	0.76	1.59
CRMS 0163	1.75	1.59	1.90	1.86	1.89	1.95	1.82	1.75	1.29	1.02	1.67	1.90
CRMS 0162	1.53	1.30	1.62	1.62	1.67	1.87	1.92	1.60	0.95	0.79	1.13	1.64

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.38	0.40	0.73	0.81	0.83	0.99	1.11	1.03	0.98	1.04	0.98	0.65
CRMS0276 - Just east of Wilkinson Canal	-0.04	-0.02	-0.14	-0.07	-0.09	-0.18	-0.08	0.00	-0.19	-0.25	-0.16	-0.08
Barataria Waterway at Lafitte (USACE82875)	-0.05	-0.22	-0.04	-0.05	-0.05	-0.03	-0.14	-0.07	-0.42	-0.52	-0.06	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.33	0.22	0.50	0.53	0.53	0.82	1.12	0.71	0.33	0.46	0.64	0.56
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.24	0.62	0.68	0.66	0.44	0.25	-0.01	-0.02	-0.02	0.05	0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.07	0.05	0.30	0.44	0.48	0.37	0.37	0.06	-0.07	-0.08	-0.04	0.34
USGS 07380335 - Little Lake Near Cutoff	0.02	0.03	0.14	0.26	0.27	0.20	0.21	0.02	-0.11	-0.14	-0.12	0.17
USGS073802516 Barataria Pass at Grand Isle	0.03	0.02	0.23	0.29	0.21	0.05	0.06	-0.03	-0.07	-0.10	-0.07	0.17
HWQ14 - Lake Washington	0.06	0.11	0.42	0.49	0.36	0.17	0.12	0.00	-0.05	-0.04	-0.01	0.19
HWQ16 - Bayou Grand Liard	-0.05	0.01	-0.02	0.04	-0.03	-0.11	-0.12	-0.06	-0.10	-0.11	-0.11	-0.04
CRMS 3985	0.09	0.34	0.71	0.60	0.46	0.20	-0.06	-0.20	-0.11	-0.06	0.00	0.06
CRMS 0258	0.06	0.00	0.02	0.02	-0.01	0.27	0.65	0.28	-0.11	-0.11	-0.16	0.08
CRMS 0224	0.06	0.03	0.16	0.19	0.17	0.42	0.62	0.15	-0.10	-0.12	-0.10	0.20
CRMS 0163	-0.08	-0.28	-0.05	-0.11	-0.01	-0.04	-0.11	-0.08	-0.57	-0.61	-0.09	-0.01
CRMS 0162	-0.12	-0.14	-0.10	-0.12	-0.09	-0.05	-0.07	-0.19	-0.35	-0.26	-0.06	-0.17

Figure WQ TOTN 205 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.45	1.30	1.20	0.96	0.84	0.71	0.67	0.75	0.79	0.79	1.04
CRMS0276 - Just east of Wilkinson Canal	1.26	1.61	1.76	1.81	1.83	1.70	1.33	1.01	1.39	1.26	1.12	1.19
Barataria Waterway at Lafitte (USACE82875)	1.63	1.85	1.92	1.90	1.97	1.99	1.90	1.79	1.85	1.72	1.56	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.48	1.35	1.39	1.15	0.98	0.70	0.65	0.90	0.89	0.78	1.04
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.45	1.32	0.99	0.73	0.67	0.64	0.66	0.72	0.74	0.85	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.09	1.38	1.38	1.21	0.94	0.80	0.72	0.66	0.77	0.77	0.73	0.95
USGS 07380335 - Little Lake Near Cutoff	1.04	1.37	1.44	1.34	1.08	0.94	0.85	0.74	0.84	0.85	0.76	0.93
USGS073802516 Barataria Pass at Grand Isle	1.04	1.32	1.33	1.18	0.95	0.83	0.78	0.70	0.69	0.72	0.69	0.88
HWQ14 - Lake Washington	1.19	1.36	1.27	0.95	0.74	0.66	0.62	0.60	0.60	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.95	1.27	1.40	1.40	1.29	1.11	0.99	0.80	0.83	0.76	0.70	0.81
CRMS 3985	1.41	1.48	1.36	0.91	0.67	0.63	0.63	0.72	0.81	0.81	0.97	1.26
CRMS 0258	1.27	1.59	1.61	1.68	1.51	1.32	0.87	0.80	1.35	1.16	0.98	1.19
CRMS 0224	1.15	1.49	1.50	1.54	1.32	1.08	0.75	0.68	1.09	0.97	0.82	1.06
CRMS 0163	1.77	1.88	1.95	1.91	1.99	2.00	1.95	1.85	1.86	1.73	1.70	1.77
CRMS 0162	1.70	1.69	1.77	1.78	1.82	1.90	2.00	1.80	1.48	1.38	1.12	1.35

V3PR3 HYST - cy 5 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	1.95	1.98	1.93	1.99	1.99	1.98	1.94	1.90	1.96	1.92	1.90
CRMS0276 - Just east of Wilkinson Canal	1.28	1.58	1.71	1.78	1.73	1.51	1.22	1.07	1.26	1.15	1.04	1.29
Barataria Waterway at Lafitte (USACE82875)	1.59	1.84	1.91	1.89	1.96	1.97	1.80	1.68	1.67	1.55	1.50	1.61
USGS2928590900040000 Barataria Waterway South of Lafitte	1.79	1.83	1.88	1.84	1.93	1.92	1.89	1.53	1.35	1.47	1.58	1.65
USGS7380251 Barataria Bay North of Grand Isle	1.54	1.64	1.69	1.53	1.42	1.26	1.24	1.00	0.95	0.94	0.92	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.35	1.58	1.74	1.61	1.48	1.30	1.24	0.94	0.93	0.99	0.80	1.12
USGS 07380335 - Little Lake Near Cutoff	1.19	1.52	1.68	1.59	1.40	1.24	1.12	0.88	0.90	0.96	0.74	1.05
USGS073802516 Barataria Pass at Grand Isle	1.22	1.48	1.62	1.44	1.16	0.99	0.94	0.79	0.81	0.85	0.72	1.00
HWQ14 - Lake Washington	1.38	1.56	1.59	1.34	1.08	0.95	0.96	0.82	0.78	0.83	0.79	1.08
HWQ16 - Bayou Grand Liard	1.00	1.32	1.45	1.45	1.26	1.05	0.88	0.77	0.82	0.75	0.66	0.92
CRMS 3985	1.50	1.59	1.59	1.31	1.08	0.96	0.97	0.88	0.89	0.86	0.91	1.29
CRMS 0258	1.50	1.67	1.75	1.75	1.60	1.63	1.61	1.37	1.36	1.22	1.00	1.25
CRMS 0224	1.41	1.64	1.77	1.72	1.62	1.57	1.49	1.12	1.13	1.13	0.87	1.18
CRMS 0163	1.71	1.84	1.93	1.89	1.98	1.97	1.86	1.78	1.66	1.50	1.65	1.60
CRMS 0162	1.57	1.55	1.71	1.72	1.71	1.84	1.97	1.67	1.17	1.15	1.16	1.35

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.49	0.69	0.73	1.04	1.16	1.28	1.27	1.15	1.17	1.13	0.86
CRMS0276 - Just east of Wilkinson Canal	0.02	-0.04	-0.05	-0.03	-0.11	-0.19	-0.11	0.06	-0.13	-0.10	-0.08	0.09
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.02	-0.01	-0.02	-0.01	-0.02	-0.10	-0.11	-0.19	-0.17	-0.06	-0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.49	0.34	0.53	0.45	0.79	0.95	1.19	0.88	0.45	0.58	0.79	0.60
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.19	0.37	0.54	0.68	0.59	0.59	0.34	0.23	0.20	0.07	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.20	0.36	0.40	0.55	0.50	0.52	0.27	0.16	0.21	0.07	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.23	0.25	0.32	0.30	0.27	0.15	0.07	0.11	-0.02	0.13
USGS073802516 Barataria Pass at Grand Isle	0.19	0.17	0.29	0.27	0.21	0.16	0.15	0.10	0.12	0.13	0.03	0.12
HWQ14 - Lake Washington	0.20	0.19	0.33	0.39	0.34	0.30	0.33	0.23	0.18	0.19	0.07	0.12
HWQ16 - Bayou Grand Liard	0.05	0.05	0.05	0.05	-0.03	-0.06	-0.12	-0.02	-0.01	-0.01	-0.04	0.10
CRMS 3985	0.09	0.11	0.22	0.40	0.41	0.33	0.34	0.16	0.08	0.05	-0.07	0.04
CRMS 0258	0.24	0.08	0.14	0.06	0.10	0.32	0.74	0.57	0.01	0.05	0.02	0.06
CRMS 0224	0.26	0.15	0.27	0.19	0.31	0.50	0.74	0.44	0.05	0.15	0.05	0.12
CRMS 0163	-0.05	-0.04	-0.01	-0.02	-0.02	-0.03	-0.09	-0.07	-0.20	-0.22	-0.05	-0.17
CRMS 0162	-0.13	-0.14	-0.06	-0.06	-0.10	-0.06	-0.03	-0.13	-0.31	-0.23	0.04	0.00

Figure WQ TOTN 206 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.64	1.70	1.48	1.27	1.09	0.99	0.84	0.79	0.81	0.79	0.89	1.28
CRMS0276 - Just east of Wilkinson Canal	1.47	1.75	1.84	1.86	1.91	1.50	0.93	0.87	1.14	0.93	1.13	1.49
Barataria Waterway at Lafitte (USACE82875)	1.74	1.92	1.95	1.98	2.00	1.97	1.78	1.60	1.67	1.46	1.61	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.63	1.72	1.54	1.43	1.29	1.13	0.85	0.77	0.87	0.80	0.85	1.28
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.67	1.47	1.11	0.85	0.82	0.82	0.88	0.88	0.83	0.98	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.40	1.61	1.58	1.30	1.06	0.92	0.76	0.68	0.79	0.71	0.71	1.17
USGS 07380335 - Little Lake Near Cutoff	1.31	1.59	1.63	1.40	1.21	1.00	0.77	0.66	0.79	0.70	0.71	1.15
USGS073802516 Barataria Pass at Grand Isle	1.32	1.55	1.53	1.26	1.06	0.91	0.74	0.64	0.72	0.65	0.68	1.09
HWQ14 - Lake Washington	1.48	1.61	1.45	1.08	0.85	0.79	0.74	0.70	0.74	0.71	0.79	1.17
HWQ16 - Bayou Grand Liard	1.11	1.44	1.53	1.41	1.38	1.02	0.70	0.64	0.73	0.60	0.69	1.04
CRMS 3985	1.65	1.67	1.49	1.06	0.80	0.78	0.86	1.03	0.99	0.93	1.11	1.43
CRMS 0258	1.59	1.76	1.75	1.71	1.66	1.37	0.90	0.78	1.15	0.92	0.96	1.49
CRMS 0224	1.48	1.69	1.67	1.57	1.47	1.17	0.80	0.71	0.98	0.80	0.79	1.32
CRMS 0163	1.83	1.93	1.97	1.99	2.02	1.97	1.83	1.72	1.69	1.42	1.79	1.89
CRMS 0162	1.73	1.83	1.83	1.77	1.83	1.79	1.90	1.53	1.03	0.87	1.25	1.68

V3PR3 HYST - cy 5 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.97	1.99	2.00	2.01	1.96	1.90	1.88	1.86	1.88	1.87	1.92
CRMS0276 - Just east of Wilkinson Canal	1.39	1.66	1.75	1.76	1.76	1.33	0.79	0.70	0.89	0.68	0.92	1.36
Barataria Waterway at Lafitte (USACE82875)	1.66	1.88	1.93	1.94	1.97	1.91	1.65	1.37	1.10	1.00	1.48	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.85	1.90	1.93	1.95	1.61	1.38	1.30	1.11	1.21	1.44	1.73
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.68	1.69	1.54	1.46	0.98	0.81	0.84	0.86	0.80	0.98	1.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.47	1.69	1.76	1.59	1.53	1.02	0.70	0.61	0.69	0.63	0.67	1.24
USGS 07380335 - Little Lake Near Cutoff	1.32	1.62	1.71	1.52	1.44	1.05	0.68	0.56	0.64	0.56	0.59	1.11
USGS073802516 Barataria Pass at Grand Isle	1.35	1.58	1.64	1.37	1.19	0.93	0.65	0.55	0.62	0.56	0.61	1.04
HWQ14 - Lake Washington	1.49	1.61	1.58	1.28	1.12	0.87	0.71	0.64	0.69	0.66	0.77	1.18
HWQ16 - Bayou Grand Liard	1.08	1.42	1.50	1.38	1.28	0.95	0.60	0.55	0.61	0.50	0.57	0.92
CRMS 3985	1.54	1.59	1.56	1.27	1.12	0.87	0.79	0.92	0.91	0.86	1.06	1.38
CRMS 0258	1.62	1.72	1.78	1.70	1.68	1.33	0.94	0.81	0.90	0.75	0.74	1.48
CRMS 0224	1.54	1.72	1.80	1.69	1.68	1.18	0.78	0.67	0.78	0.67	0.67	1.35
CRMS 0163	1.76	1.89	1.95	1.93	1.99	1.89	1.72	1.45	1.01	0.94	1.68	1.82
CRMS 0162	1.61	1.73	1.75	1.69	1.73	1.57	1.63	1.31	0.76	0.72	1.16	1.47

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.31	0.27	0.51	0.73	0.92	0.97	1.06	1.10	1.06	1.09	0.98	0.64
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.10	-0.09	-0.10	-0.15	-0.17	-0.14	-0.17	-0.26	-0.25	-0.21	-0.13
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.04	-0.03	-0.04	-0.04	-0.06	-0.12	-0.23	-0.57	-0.46	-0.13	-0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.13	0.36	0.50	0.66	0.48	0.53	0.53	0.24	0.41	0.60	0.46
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.22	0.43	0.60	0.16	-0.01	-0.04	-0.02	-0.03	0.01	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.07	0.18	0.29	0.46	0.10	-0.06	-0.07	-0.10	-0.08	-0.04	0.07
USGS 07380335 - Little Lake Near Cutoff	0.01	0.03	0.08	0.12	0.24	0.05	-0.08	-0.10	-0.15	-0.13	-0.12	-0.05
USGS073802516 Barataria Pass at Grand Isle	0.02	0.03	0.10	0.11	0.13	0.02	-0.09	-0.10	-0.11	-0.09	-0.07	-0.05
HWQ14 - Lake Washington	0.01	0.00	0.13	0.21	0.27	0.09	-0.03	-0.06	-0.05	-0.04	-0.03	0.01
HWQ16 - Bayou Grand Liard	-0.02	-0.02	-0.03	-0.03	-0.10	-0.08	-0.10	-0.09	-0.13	-0.10	-0.11	-0.12
CRMS 3985	-0.11	-0.08	0.07	0.21	0.33	0.09	-0.08	-0.11	-0.08	-0.07	-0.04	-0.05
CRMS 0258	0.03	-0.04	0.03	-0.02	0.02	-0.04	0.04	0.02	-0.26	-0.17	-0.22	-0.02
CRMS 0224	0.06	0.03	0.12	0.12	0.22	0.01	-0.02	-0.04	-0.20	-0.14	-0.12	0.03
CRMS 0163	-0.07	-0.04	-0.02	-0.06	-0.03	-0.08	-0.11	-0.27	-0.68	-0.48	-0.10	-0.07
CRMS 0162	-0.12	-0.10	-0.07	-0.07	-0.10	-0.21	-0.27	-0.22	-0.27	-0.15	-0.09	-0.20

Figure WQ TOTN 207 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.60	1.53	1.05	1.08	0.96	0.87	0.77	0.76	0.74	0.74	1.04	1.37
CRMS0276 - Just east of Wilkinson Canal	1.34	1.67	1.65	1.67	1.63	1.33	0.74	0.63	0.88	0.96	1.33	1.48
Barataria Waterway at Lafitte (USACE82875)	1.64	1.89	1.92	1.90	1.89	1.94	1.46	1.16	1.11	1.65	1.73	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.58	1.61	1.21	1.30	1.15	1.02	0.76	0.72	0.72	0.71	1.02	1.36
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.37	0.93	0.87	0.75	0.74	0.88	0.91	0.87	0.83	1.08	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.33	1.50	1.24	1.06	0.89	0.82	0.68	0.59	0.67	0.64	0.86	1.29
USGS 07380335 - Little Lake Near Cutoff	1.22	1.49	1.33	1.16	0.98	0.88	0.65	0.53	0.64	0.62	0.87	1.25
USGS073802516 Barataria Pass at Grand Isle	1.26	1.44	1.21	1.00	0.86	0.80	0.64	0.54	0.62	0.59	0.79	1.20
HWQ14 - Lake Washington	1.47	1.42	0.99	0.81	0.72	0.71	0.72	0.67	0.71	0.68	0.88	1.29
HWQ16 - Bayou Grand Liard	1.01	1.34	1.27	1.17	1.05	0.87	0.57	0.53	0.61	0.56	0.80	1.07
CRMS 3985	1.57	1.22	0.91	0.82	0.71	0.77	1.04	1.09	1.00	0.96	1.20	1.50
CRMS 0258	1.50	1.71	1.51	1.61	1.50	1.20	0.75	0.67	0.89	0.86	1.25	1.50
CRMS 0224	1.40	1.62	1.40	1.41	1.26	1.05	0.71	0.62	0.77	0.73	1.02	1.39
CRMS 0163	1.75	1.90	1.94	1.84	1.93	1.87	1.58	1.39	1.12	1.66	1.85	1.86
CRMS 0162	1.56	1.67	1.50	1.44	1.47	1.42	1.40	1.13	0.74	1.03	1.41	1.61

V3PR3 HYST - cy 5 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.92	1.94	1.94	1.92	1.92	1.88	1.88	1.88	1.85	1.85	1.85	1.89
CRMS0276 - Just east of Wilkinson Canal	1.24	1.56	1.52	1.59	1.42	1.12	0.60	0.52	0.67	0.64	1.14	1.38
Barataria Waterway at Lafitte (USACE82875)	1.54	1.79	1.86	1.83	1.80	1.88	1.01	0.68	0.80	1.12	1.66	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.73	1.83	1.79	1.63	1.67	1.21	1.26	1.22	1.02	1.14	1.40	1.68
USGS7380251 Barataria Bay North of Grand Isle	1.54	1.62	1.52	1.23	1.04	0.74	0.82	0.85	0.84	0.80	1.05	1.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.55	1.46	1.27	1.13	0.75	0.61	0.55	0.61	0.58	0.76	1.26
USGS 07380335 - Little Lake Near Cutoff	1.16	1.48	1.39	1.27	1.07	0.78	0.56	0.47	0.54	0.51	0.70	1.17
USGS073802516 Barataria Pass at Grand Isle	1.20	1.45	1.36	1.15	0.90	0.70	0.54	0.47	0.54	0.52	0.68	1.11
HWQ14 - Lake Washington	1.40	1.53	1.41	1.10	0.85	0.68	0.67	0.62	0.66	0.64	0.82	1.23
HWQ16 - Bayou Grand Liard	0.98	1.28	1.23	1.16	0.94	0.74	0.48	0.48	0.52	0.46	0.68	0.98
CRMS 3985	1.56	1.58	1.51	1.13	0.84	0.73	0.95	1.00	0.91	0.88	1.11	1.43
CRMS 0258	1.41	1.64	1.46	1.56	1.40	1.08	0.78	0.71	0.69	0.65	0.99	1.46
CRMS 0224	1.32	1.61	1.47	1.44	1.34	0.95	0.67	0.60	0.62	0.60	0.81	1.34
CRMS 0163	1.63	1.77	1.87	1.72	1.83	1.76	1.05	0.76	0.79	1.09	1.80	1.80
CRMS 0162	1.41	1.45	1.42	1.24	1.25	1.15	0.88	0.81	0.67	0.76	1.31	1.40

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.32	0.42	0.90	0.84	0.96	1.00	1.10	1.12	1.11	1.11	0.82	0.52
CRMS0276 - Just east of Wilkinson Canal	-0.10	-0.11	-0.13	-0.08	-0.21	-0.21	-0.14	-0.11	-0.20	-0.32	-0.18	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.10	-0.10	-0.06	-0.07	-0.09	-0.07	-0.45	-0.49	-0.31	-0.53	-0.07	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.21	0.58	0.33	0.52	0.19	0.50	0.50	0.30	0.42	0.38	0.31
USGS7380251 Barataria Bay North of Grand Isle	-0.04	0.24	0.59	0.36	0.29	-0.01	-0.06	-0.05	-0.03	-0.04	-0.03	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	0.06	0.23	0.21	0.24	-0.07	-0.07	-0.04	-0.07	-0.06	-0.10	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.06	-0.01	0.06	0.11	0.10	-0.10	-0.10	-0.06	-0.10	-0.11	-0.17	-0.09
USGS073802516 Barataria Pass at Grand Isle	-0.06	0.01	0.16	0.14	0.04	-0.10	-0.09	-0.07	-0.08	-0.07	-0.11	-0.09
HWQ14 - Lake Washington	-0.07	0.12	0.42	0.29	0.13	-0.03	-0.05	-0.05	-0.05	-0.04	-0.06	-0.06
HWQ16 - Bayou Grand Liard	-0.03	-0.05	-0.04	-0.01	-0.11	-0.13	-0.09	-0.05	-0.08	-0.10	-0.12	-0.09
CRMS 3985	-0.01	0.35	0.60	0.31	0.13	-0.04	-0.09	-0.09	-0.09	-0.08	-0.09	-0.07
CRMS 0258	-0.09	-0.07	-0.05	-0.05	-0.10	-0.12	0.03	0.04	-0.21	-0.21	-0.26	-0.05
CRMS 0224	-0.08	-0.01	0.06	0.02	0.08	-0.10	-0.04	-0.02	-0.15	-0.13	-0.21	-0.05
CRMS 0163	-0.11	-0.13	-0.07	-0.12	-0.10	-0.11	-0.53	-0.63	-0.33	-0.57	-0.05	-0.06
CRMS 0162	-0.15	-0.21	-0.08	-0.20	-0.22	-0.28	-0.53	-0.31	-0.07	-0.27	-0.10	-0.21

Figure WQ TOTN 208 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.61	1.71	1.46	1.24	1.05	1.01	0.91	0.89	0.96	0.90	0.99	1.30
CRMS0276 - Just east of Wilkinson Canal	1.45	1.80	1.82	1.84	1.78	1.70	1.24	1.12	1.41	1.18	1.20	1.35
Barataria Waterway at Lafitte (USACE82875)	1.76	1.94	1.96	1.96	1.95	1.99	1.88	1.84	1.83	1.71	1.61	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.59	1.74	1.51	1.42	1.24	1.18	0.89	0.86	1.07	0.96	0.96	1.29
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.68	1.47	1.08	0.84	0.82	0.92	0.95	0.95	0.90	1.04	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.64	1.55	1.27	0.99	0.93	0.82	0.79	0.93	0.84	0.85	1.17
USGS 07380335 - Little Lake Near Cutoff	1.30	1.62	1.59	1.38	1.10	1.05	0.87	0.83	0.95	0.86	0.85	1.12
USGS073802516 Barataria Pass at Grand Isle	1.31	1.57	1.51	1.23	0.97	0.92	0.82	0.79	0.84	0.78	0.80	1.09
HWQ14 - Lake Washington	1.47	1.62	1.44	1.04	0.82	0.77	0.78	0.77	0.80	0.77	0.88	1.21
HWQ16 - Bayou Grand Liard	1.13	1.49	1.49	1.37	1.20	1.14	0.91	0.84	0.88	0.73	0.75	0.97
CRMS 3985	1.64	1.68	1.49	1.03	0.79	0.80	1.02	1.08	1.04	0.98	1.15	1.47
CRMS 0258	1.53	1.79	1.71	1.72	1.58	1.44	0.99	0.95	1.44	1.12	1.12	1.37
CRMS 0224	1.44	1.72	1.64	1.57	1.36	1.23	0.86	0.83	1.20	0.98	0.95	1.26
CRMS 0163	1.86	1.95	1.97	1.93	1.99	1.99	1.92	1.88	1.87	1.72	1.75	1.83
CRMS 0162	1.81	1.87	1.75	1.70	1.69	1.87	1.98	1.82	1.42	1.22	1.18	1.45

V3PR3 HYST - cy 5 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.98	1.99	1.99	1.99	1.98	1.98	1.93	1.88	1.89	1.90	1.90
CRMS0276 - Just east of Wilkinson Canal	1.35	1.70	1.74	1.73	1.60	1.49	1.12	1.08	1.21	0.94	1.00	1.18
Barataria Waterway at Lafitte (USACE82875)	1.62	1.90	1.93	1.91	1.87	1.95	1.76	1.67	1.56	1.37	1.50	1.64
USGS2928590900040000 Barataria Waterway South of Lafitte	1.82	1.87	1.93	1.93	1.93	1.89	1.87	1.56	1.19	1.26	1.53	1.67
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.70	1.69	1.50	1.37	1.18	1.14	1.03	0.90	0.84	1.02	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.47	1.71	1.75	1.54	1.40	1.25	1.16	1.03	0.86	0.76	0.76	1.10
USGS 07380335 - Little Lake Near Cutoff	1.30	1.65	1.68	1.48	1.31	1.21	1.04	0.92	0.84	0.73	0.68	0.99
USGS073802516 Barataria Pass at Grand Isle	1.32	1.61	1.61	1.32	1.09	0.98	0.88	0.81	0.77	0.68	0.68	0.97
HWQ14 - Lake Washington	1.47	1.63	1.57	1.25	1.04	0.93	0.91	0.85	0.76	0.72	0.82	1.14
HWQ16 - Bayou Grand Liard	1.05	1.46	1.46	1.32	1.11	1.03	0.79	0.75	0.78	0.63	0.62	0.84
CRMS 3985	1.52	1.61	1.54	1.23	1.05	0.94	0.91	0.88	0.89	0.88	1.08	1.39
CRMS 0258	1.60	1.74	1.79	1.69	1.56	1.60	1.57	1.37	1.31	0.97	0.91	1.27
CRMS 0224	1.54	1.74	1.79	1.66	1.55	1.53	1.42	1.18	1.08	0.85	0.80	1.15
CRMS 0163	1.75	1.92	1.94	1.85	1.95	1.94	1.81	1.78	1.52	1.31	1.65	1.61
CRMS 0162	1.71	1.81	1.67	1.59	1.58	1.78	1.91	1.66	1.08	0.96	1.14	1.29

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.34	0.27	0.53	0.75	0.94	0.98	1.07	1.04	0.92	0.99	0.91	0.59
CRMS0276 - Just east of Wilkinson Canal	-0.11	-0.10	-0.09	-0.11	-0.18	-0.21	-0.12	-0.04	-0.19	-0.25	-0.20	-0.17
Barataria Waterway at Lafitte (USACE82875)	-0.14	-0.04	-0.03	-0.05	-0.08	-0.04	-0.13	-0.17	-0.27	-0.33	-0.12	-0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.13	0.42	0.51	0.69	0.71	0.98	0.71	0.13	0.31	0.56	0.38
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.22	0.42	0.53	0.36	0.22	0.08	-0.05	-0.05	-0.03	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.08	0.20	0.27	0.40	0.32	0.34	0.23	-0.07	-0.09	-0.09	-0.07
USGS 07380335 - Little Lake Near Cutoff	0.00	0.03	0.09	0.10	0.21	0.15	0.17	0.09	-0.11	-0.13	-0.17	-0.13
USGS073802516 Barataria Pass at Grand Isle	0.01	0.03	0.10	0.10	0.12	0.06	0.05	0.02	-0.08	-0.09	-0.12	-0.12
HWQ14 - Lake Washington	-0.01	0.01	0.13	0.20	0.23	0.16	0.12	0.07	-0.05	-0.05	-0.07	-0.07
HWQ16 - Bayou Grand Liard	-0.08	-0.03	-0.03	-0.05	-0.09	-0.11	-0.12	-0.09	-0.10	-0.10	-0.13	-0.13
CRMS 3985	-0.12	-0.08	0.05	0.20	0.25	0.13	-0.11	-0.20	-0.15	-0.10	-0.07	-0.08
CRMS 0258	0.07	-0.05	0.08	-0.04	-0.02	0.16	0.58	0.42	-0.13	-0.15	-0.21	-0.11
CRMS 0224	0.11	0.02	0.16	0.09	0.18	0.30	0.55	0.35	-0.12	-0.13	-0.16	-0.11
CRMS 0163	-0.12	-0.04	-0.03	-0.07	-0.05	-0.04	-0.10	-0.10	-0.35	-0.41	-0.10	-0.22
CRMS 0162	-0.10	-0.06	-0.07	-0.11	-0.11	-0.10	-0.07	-0.16	-0.33	-0.27	-0.04	-0.16

Figure WQ TOTN 209 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.66	1.57	1.24	1.18	1.07	0.98	0.88	0.87	0.89	0.87	0.94	1.32
CRMS0276 - Just east of Wilkinson Canal	1.53	1.59	1.74	1.83	1.83	1.67	1.22	1.02	1.34	1.09	1.14	1.61
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.93	1.96	1.89	1.96	1.88	1.76	1.82	1.64	1.60	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.67	1.64	1.39	1.41	1.32	1.13	0.85	0.82	0.99	0.92	0.91	1.33
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.44	1.06	0.89	0.77	0.78	0.88	0.93	0.92	0.88	1.00	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.45	1.53	1.38	1.21	1.03	0.92	0.79	0.76	0.88	0.81	0.77	1.23
USGS 07380335 - Little Lake Near Cutoff	1.37	1.49	1.46	1.35	1.20	1.05	0.85	0.78	0.90	0.82	0.76	1.23
USGS073802516 Barataria Pass at Grand Isle	1.38	1.47	1.33	1.17	1.02	0.94	0.82	0.75	0.80	0.74	0.73	1.14
HWQ14 - Lake Washington	1.52	1.48	1.14	0.88	0.77	0.76	0.76	0.75	0.78	0.76	0.83	1.20
HWQ16 - Bayou Grand Liard	1.17	1.30	1.37	1.37	1.35	1.21	0.94	0.79	0.84	0.69	0.70	1.13
CRMS 3985	1.57	1.33	0.93	0.76	0.69	0.75	0.97	1.06	1.02	0.96	1.12	1.45
CRMS 0258	1.65	1.67	1.65	1.73	1.72	1.31	0.94	0.91	1.35	1.07	1.02	1.55
CRMS 0224	1.54	1.60	1.54	1.56	1.50	1.16	0.83	0.79	1.13	0.94	0.86	1.39
CRMS 0163	1.83	1.87	1.95	1.97	1.90	1.98	1.93	1.84	1.85	1.63	1.76	1.91
CRMS 0162	1.65	1.44	1.71	1.74	1.76	1.92	1.99	1.78	1.30	1.05	1.19	1.80

V3PR3 HYST - cy 5 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	1.95	1.96	1.99	1.90	1.97	1.98	1.90	1.87	1.90	1.89	1.95
CRMS0276 - Just east of Wilkinson Canal	1.45	1.51	1.56	1.75	1.72	1.48	1.13	0.99	1.11	0.83	0.92	1.48
Barataria Waterway at Lafitte (USACE82875)	1.69	1.61	1.86	1.91	1.85	1.93	1.76	1.66	1.40	1.13	1.45	1.85
USGS2928590900040000 Barataria Waterway South of Lafitte	2.09	1.87	1.83	1.91	1.81	1.89	1.89	1.32	1.18	1.26	1.52	1.84
USGS7380251 Barataria Bay North of Grand Isle	1.65	1.63	1.65	1.56	1.43	1.23	1.16	0.92	0.88	0.82	0.99	1.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.49	1.54	1.66	1.64	1.51	1.28	1.16	0.83	0.79	0.71	0.71	1.53
USGS 07380335 - Little Lake Near Cutoff	1.36	1.48	1.57	1.59	1.45	1.24	1.05	0.80	0.77	0.67	0.62	1.35
USGS073802516 Barataria Pass at Grand Isle	1.39	1.45	1.52	1.45	1.22	0.99	0.88	0.73	0.71	0.64	0.64	1.27
HWQ14 - Lake Washington	1.54	1.56	1.53	1.36	1.13	0.94	0.91	0.77	0.73	0.70	0.78	1.35
HWQ16 - Bayou Grand Liard	1.10	1.28	1.32	1.40	1.32	1.10	0.82	0.72	0.73	0.57	0.58	1.04
CRMS 3985	1.61	1.62	1.59	1.34	1.13	0.94	0.92	0.85	0.89	0.87	1.05	1.42
CRMS 0258	1.66	1.62	1.64	1.75	1.70	1.59	1.55	1.14	1.18	0.92	0.80	1.58
CRMS 0224	1.56	1.59	1.68	1.74	1.66	1.56	1.42	0.93	0.99	0.80	0.71	1.55
CRMS 0163	1.74	1.60	1.89	1.89	1.88	1.95	1.82	1.76	1.33	1.06	1.67	1.87
CRMS 0162	1.54	1.30	1.60	1.65	1.65	1.87	1.94	1.61	0.93	0.77	1.13	1.66

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.33	0.38	0.72	0.81	0.83	0.99	1.11	1.03	0.98	1.03	0.96	0.63
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.08	-0.18	-0.08	-0.10	-0.19	-0.09	-0.03	-0.23	-0.27	-0.22	-0.13
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.25	-0.07	-0.05	-0.05	-0.04	-0.13	-0.11	-0.41	-0.51	-0.15	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.23	0.44	0.50	0.50	0.76	1.04	0.50	0.18	0.34	0.61	0.50
USGS7380251 Barataria Bay North of Grand Isle	0.05	0.19	0.58	0.67	0.66	0.44	0.27	-0.01	-0.04	-0.05	-0.01	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.01	0.28	0.43	0.48	0.36	0.37	0.06	-0.09	-0.09	-0.06	0.30
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.11	0.24	0.25	0.19	0.20	0.02	-0.13	-0.15	-0.14	0.11
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.01	0.19	0.28	0.20	0.05	0.06	-0.03	-0.09	-0.11	-0.09	0.13
HWQ14 - Lake Washington	0.02	0.07	0.39	0.48	0.36	0.18	0.15	0.02	-0.05	-0.06	-0.05	0.15
HWQ16 - Bayou Grand Liard	-0.07	-0.02	-0.05	0.03	-0.04	-0.11	-0.12	-0.08	-0.12	-0.12	-0.12	-0.09
CRMS 3985	0.03	0.29	0.66	0.58	0.45	0.19	-0.05	-0.21	-0.14	-0.10	-0.07	-0.03
CRMS 0258	0.01	-0.05	-0.01	0.02	-0.02	0.27	0.61	0.24	-0.17	-0.15	-0.23	0.03
CRMS 0224	0.02	-0.02	0.13	0.18	0.16	0.40	0.59	0.14	-0.14	-0.14	-0.14	0.16
CRMS 0163	-0.09	-0.27	-0.06	-0.08	-0.02	-0.04	-0.10	-0.08	-0.52	-0.57	-0.10	-0.03
CRMS 0162	-0.11	-0.14	-0.12	-0.09	-0.10	-0.05	-0.05	-0.18	-0.37	-0.28	-0.06	-0.15

Figure WQ TOTN 210 - Monthly Average Total Nitrogen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.45	1.30	1.20	0.96	0.84	0.71	0.67	0.75	0.79	0.79	1.04
CRMS0276 - Just east of Wilkinson Canal	1.26	1.61	1.76	1.81	1.83	1.70	1.33	1.01	1.39	1.26	1.12	1.19
Barataria Waterway at Lafitte (USACE82875)	1.63	1.85	1.92	1.90	1.97	1.99	1.90	1.79	1.85	1.72	1.56	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.48	1.35	1.39	1.15	0.98	0.70	0.65	0.90	0.89	0.78	1.04
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.45	1.32	0.99	0.73	0.67	0.64	0.66	0.72	0.74	0.85	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.09	1.38	1.38	1.21	0.94	0.80	0.72	0.66	0.77	0.77	0.73	0.95
USGS 07380335 - Little Lake Near Cutoff	1.04	1.37	1.44	1.34	1.08	0.94	0.85	0.74	0.84	0.85	0.76	0.93
USGS073802516 Barataria Pass at Grand Isle	1.04	1.32	1.33	1.18	0.95	0.83	0.78	0.70	0.69	0.72	0.69	0.88
HWQ14 - Lake Washington	1.19	1.36	1.27	0.95	0.74	0.66	0.62	0.60	0.60	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.95	1.27	1.40	1.40	1.29	1.11	0.99	0.80	0.83	0.76	0.70	0.81
CRMS 3985	1.41	1.48	1.36	0.91	0.67	0.63	0.63	0.72	0.81	0.81	0.97	1.26
CRMS 0258	1.27	1.59	1.61	1.68	1.51	1.32	0.87	0.80	1.35	1.16	0.98	1.19
CRMS 0224	1.15	1.49	1.50	1.54	1.32	1.08	0.75	0.68	1.09	0.97	0.82	1.06
CRMS 0163	1.77	1.88	1.95	1.91	1.99	2.00	1.95	1.85	1.86	1.73	1.70	1.77
CRMS 0162	1.70	1.69	1.77	1.78	1.82	1.90	2.00	1.80	1.48	1.38	1.12	1.35

V3PR4 HYST - cy 5 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.95	1.99	1.93	2.00	2.00	1.99	1.94	1.90	1.95	1.90	1.89
CRMS0276 - Just east of Wilkinson Canal	1.32	1.58	1.72	1.78	1.71	1.54	1.33	1.13	1.29	1.15	1.04	1.32
Barataria Waterway at Lafitte (USACE82875)	1.63	1.84	1.91	1.89	1.95	1.96	1.80	1.69	1.69	1.53	1.51	1.63
USGS2928590900040000 Barataria Waterway South of Lafitte	1.82	1.82	1.87	1.83	1.91	1.90	1.85	1.42	1.24	1.49	1.62	1.67
USGS7380251 Barataria Bay North of Grand Isle	1.55	1.65	1.71	1.60	1.55	1.37	1.29	1.02	0.94	0.93	0.93	1.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.43	1.63	1.81	1.72	1.69	1.56	1.52	1.06	0.97	1.08	0.83	1.16
USGS 07380335 - Little Lake Near Cutoff	1.24	1.56	1.75	1.68	1.58	1.44	1.36	0.97	0.94	1.03	0.75	1.08
USGS073802516 Barataria Pass at Grand Isle	1.28	1.52	1.69	1.54	1.29	1.12	1.11	0.87	0.84	0.90	0.73	1.03
HWQ14 - Lake Washington	1.42	1.58	1.63	1.42	1.20	1.06	1.07	0.90	0.80	0.87	0.80	1.10
HWQ16 - Bayou Grand Liard	1.02	1.35	1.52	1.52	1.32	1.13	0.96	0.81	0.84	0.75	0.66	0.95
CRMS 3985	1.50	1.60	1.60	1.37	1.18	1.04	1.02	0.90	0.86	0.81	0.90	1.29
CRMS 0258	1.54	1.69	1.78	1.77	1.68	1.72	1.72	1.40	1.38	1.25	0.98	1.27
CRMS 0224	1.46	1.67	1.82	1.78	1.74	1.72	1.70	1.22	1.16	1.19	0.88	1.21
CRMS 0163	1.73	1.84	1.94	1.89	1.98	1.97	1.86	1.79	1.67	1.47	1.65	1.61
CRMS 0162	1.56	1.55	1.70	1.72	1.70	1.83	1.97	1.66	1.15	1.11	1.16	1.36

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.50	0.69	0.73	1.04	1.16	1.29	1.27	1.15	1.16	1.11	0.85
CRMS0276 - Just east of Wilkinson Canal	0.06	-0.03	-0.04	-0.02	-0.13	-0.16	0.00	0.12	-0.10	-0.11	-0.08	0.13
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	0.00	-0.01	-0.02	-0.02	-0.10	-0.11	-0.17	-0.19	-0.05	-0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.51	0.34	0.52	0.44	0.77	0.92	1.15	0.78	0.34	0.60	0.83	0.62
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.20	0.39	0.61	0.82	0.70	0.64	0.36	0.22	0.19	0.08	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.25	0.43	0.50	0.75	0.76	0.80	0.39	0.20	0.30	0.10	0.21
USGS 07380335 - Little Lake Near Cutoff	0.20	0.18	0.31	0.33	0.50	0.50	0.51	0.23	0.10	0.18	-0.01	0.16
USGS073802516 Barataria Pass at Grand Isle	0.24	0.20	0.36	0.36	0.35	0.29	0.33	0.18	0.15	0.19	0.04	0.15
HWQ14 - Lake Washington	0.23	0.22	0.36	0.47	0.46	0.41	0.45	0.30	0.20	0.24	0.09	0.14
HWQ16 - Bayou Grand Liard	0.07	0.08	0.12	0.11	0.03	0.02	-0.04	0.01	0.01	-0.01	-0.04	0.14
CRMS 3985	0.09	0.12	0.24	0.46	0.51	0.40	0.39	0.18	0.05	0.00	-0.07	0.04
CRMS 0258	0.28	0.10	0.17	0.09	0.18	0.40	0.85	0.61	0.03	0.09	0.01	0.09
CRMS 0224	0.31	0.18	0.32	0.24	0.43	0.65	0.95	0.53	0.07	0.21	0.05	0.15
CRMS 0163	-0.04	-0.04	-0.01	-0.02	-0.02	-0.03	-0.09	-0.07	-0.19	-0.26	-0.05	-0.16
CRMS 0162	-0.15	-0.15	-0.07	-0.06	-0.11	-0.07	-0.03	-0.14	-0.33	-0.27	0.03	0.01

Figure WQ TOTN 211 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.64	1.70	1.48	1.27	1.09	0.99	0.84	0.79	0.81	0.79	0.89	1.28
CRMS0276 - Just east of Wilkinson Canal	1.47	1.75	1.84	1.86	1.91	1.50	0.93	0.87	1.14	0.93	1.13	1.49
Barataria Waterway at Lafitte (USACE82875)	1.74	1.92	1.95	1.98	2.00	1.97	1.78	1.60	1.67	1.46	1.61	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.63	1.72	1.54	1.43	1.29	1.13	0.85	0.77	0.87	0.80	0.85	1.28
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.67	1.47	1.11	0.85	0.82	0.82	0.88	0.88	0.83	0.98	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.40	1.61	1.58	1.30	1.06	0.92	0.76	0.68	0.79	0.71	0.71	1.17
USGS 07380335 - Little Lake Near Cutoff	1.31	1.59	1.63	1.40	1.21	1.00	0.77	0.66	0.79	0.70	0.71	1.15
USGS073802516 Barataria Pass at Grand Isle	1.32	1.55	1.53	1.26	1.06	0.91	0.74	0.64	0.72	0.65	0.68	1.09
HWQ14 - Lake Washington	1.48	1.61	1.45	1.08	0.85	0.79	0.74	0.70	0.74	0.71	0.79	1.17
HWQ16 - Bayou Grand Liard	1.11	1.44	1.53	1.41	1.38	1.02	0.70	0.64	0.73	0.60	0.69	1.04
CRMS 3985	1.65	1.67	1.49	1.06	0.80	0.78	0.86	1.03	0.99	0.93	1.11	1.43
CRMS 0258	1.59	1.76	1.75	1.71	1.66	1.37	0.90	0.78	1.15	0.92	0.96	1.49
CRMS 0224	1.48	1.69	1.67	1.57	1.47	1.17	0.80	0.71	0.98	0.80	0.79	1.32
CRMS 0163	1.83	1.93	1.97	1.99	2.02	1.97	1.83	1.72	1.69	1.42	1.79	1.89
CRMS 0162	1.73	1.83	1.83	1.77	1.83	1.79	1.90	1.53	1.03	0.87	1.25	1.68

V3PR4 HYST - cy 5 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.98	2.00	2.00	2.01	1.97	1.89	1.93	1.91	1.92	1.84	1.91
CRMS0276 - Just east of Wilkinson Canal	1.39	1.67	1.76	1.77	1.75	1.35	0.80	0.72	0.91	0.69	0.95	1.38
Barataria Waterway at Lafitte (USACE82875)	1.67	1.88	1.93	1.94	1.97	1.90	1.69	1.44	1.14	1.05	1.53	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.87	1.85	1.90	1.93	1.93	1.58	1.29	1.23	1.04	1.19	1.41	1.74
USGS7380251 Barataria Bay North of Grand Isle	1.47	1.65	1.71	1.61	1.58	1.00	0.82	0.74	0.56	0.45	0.61	1.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.47	1.75	1.83	1.74	1.73	1.09	0.73	0.63	0.65	0.55	0.59	1.22
USGS 07380335 - Little Lake Near Cutoff	1.31	1.67	1.77	1.66	1.63	1.11	0.70	0.57	0.62	0.52	0.55	1.08
USGS073802516 Barataria Pass at Grand Isle	1.31	1.61	1.69	1.49	1.34	1.00	0.67	0.56	0.58	0.49	0.52	0.94
HWQ14 - Lake Washington	1.38	1.59	1.60	1.36	1.24	0.93	0.73	0.64	0.54	0.46	0.52	0.94
HWQ16 - Bayou Grand Liard	1.08	1.44	1.55	1.45	1.36	1.00	0.61	0.56	0.60	0.48	0.56	0.90
CRMS 3985	1.38	1.53	1.54	1.30	1.22	0.90	0.79	0.66	0.44	0.36	0.58	1.09
CRMS 0258	1.63	1.75	1.81	1.76	1.75	1.34	0.96	0.82	0.91	0.75	0.73	1.50
CRMS 0224	1.55	1.76	1.84	1.79	1.80	1.22	0.80	0.69	0.79	0.63	0.63	1.37
CRMS 0163	1.76	1.89	1.95	1.93	1.99	1.87	1.75	1.51	1.03	0.98	1.71	1.82
CRMS 0162	1.61	1.73	1.77	1.71	1.73	1.56	1.63	1.32	0.78	0.75	1.18	1.44

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.31	0.28	0.52	0.73	0.92	0.99	1.05	1.14	1.11	1.13	0.95	0.63
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.08	-0.08	-0.09	-0.16	-0.15	-0.13	-0.15	-0.24	-0.25	-0.19	-0.11
Barataria Waterway at Lafitte (USACE82875)	-0.07	-0.04	-0.03	-0.04	-0.04	-0.07	-0.08	-0.15	-0.53	-0.41	-0.08	-0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.24	0.13	0.36	0.50	0.64	0.44	0.45	0.46	0.17	0.40	0.57	0.46
USGS7380251 Barataria Bay North of Grand Isle	-0.14	-0.02	0.23	0.50	0.73	0.19	0.00	-0.14	-0.32	-0.38	-0.37	-0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.13	0.25	0.44	0.67	0.17	-0.03	-0.04	-0.14	-0.16	-0.12	0.05
USGS 07380335 - Little Lake Near Cutoff	0.00	0.08	0.15	0.26	0.42	0.11	-0.07	-0.09	-0.16	-0.17	-0.16	-0.08
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.06	0.16	0.23	0.28	0.09	-0.07	-0.08	-0.14	-0.16	-0.16	-0.15
HWQ14 - Lake Washington	-0.10	-0.02	0.15	0.29	0.40	0.14	-0.02	-0.07	-0.19	-0.24	-0.28	-0.23
HWQ16 - Bayou Grand Liard	-0.03	0.00	0.02	0.04	-0.02	-0.03	-0.09	-0.09	-0.13	-0.12	-0.13	-0.14
CRMS 3985	-0.27	-0.14	0.05	0.24	0.42	0.12	-0.07	-0.37	-0.56	-0.58	-0.52	-0.34
CRMS 0258	0.04	-0.01	0.06	0.05	0.09	-0.03	0.06	0.04	-0.24	-0.18	-0.23	0.01
CRMS 0224	0.07	0.07	0.17	0.22	0.33	0.05	0.00	-0.02	-0.19	-0.18	-0.16	0.05
CRMS 0163	-0.07	-0.04	-0.02	-0.06	-0.02	-0.09	-0.08	-0.22	-0.66	-0.44	-0.08	-0.07
CRMS 0162	-0.12	-0.10	-0.06	-0.06	-0.10	-0.23	-0.27	-0.20	-0.25	-0.12	-0.07	-0.23

Figure WQ TOTN 212 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.60	1.53	1.05	1.08	0.96	0.87	0.77	0.76	0.74	0.74	1.04	1.37
CRMS0276 - Just east of Wilkinson Canal	1.34	1.67	1.65	1.67	1.63	1.33	0.74	0.63	0.88	0.96	1.33	1.48
Barataria Waterway at Lafitte (USACE82875)	1.64	1.89	1.92	1.90	1.89	1.94	1.46	1.16	1.11	1.65	1.73	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.58	1.61	1.21	1.30	1.15	1.02	0.76	0.72	0.72	0.71	1.02	1.36
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.37	0.93	0.87	0.75	0.74	0.88	0.91	0.87	0.83	1.08	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.33	1.50	1.24	1.06	0.89	0.82	0.68	0.59	0.67	0.64	0.86	1.29
USGS 07380335 - Little Lake Near Cutoff	1.22	1.49	1.33	1.16	0.98	0.88	0.65	0.53	0.64	0.62	0.87	1.25
USGS073802516 Barataria Pass at Grand Isle	1.26	1.44	1.21	1.00	0.86	0.80	0.64	0.54	0.62	0.59	0.79	1.20
HWQ14 - Lake Washington	1.47	1.42	0.99	0.81	0.72	0.71	0.72	0.67	0.71	0.68	0.88	1.29
HWQ16 - Bayou Grand Liard	1.01	1.34	1.27	1.17	1.05	0.87	0.57	0.53	0.61	0.56	0.80	1.07
CRMS 3985	1.57	1.22	0.91	0.82	0.71	0.77	1.04	1.09	1.00	0.96	1.20	1.50
CRMS 0258	1.50	1.71	1.51	1.61	1.50	1.20	0.75	0.67	0.89	0.86	1.25	1.50
CRMS 0224	1.40	1.62	1.40	1.41	1.26	1.05	0.71	0.62	0.77	0.73	1.02	1.39
CRMS 0163	1.75	1.90	1.94	1.84	1.93	1.87	1.58	1.39	1.12	1.66	1.85	1.86
CRMS 0162	1.56	1.67	1.50	1.44	1.47	1.42	1.40	1.13	0.74	1.03	1.41	1.61

V3PR4 HYST - cy 5 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.90	1.95	1.96	1.92	1.93	1.86	1.86	1.96	1.92	1.86	1.84	1.86
CRMS0276 - Just east of Wilkinson Canal	1.19	1.57	1.54	1.62	1.44	1.14	0.60	0.53	0.70	0.66	1.19	1.40
Barataria Waterway at Lafitte (USACE82875)	1.54	1.80	1.89	1.85	1.81	1.88	1.05	0.72	0.83	1.20	1.71	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.70	1.83	1.78	1.61	1.61	1.09	1.17	1.17	0.96	1.09	1.38	1.65
USGS7380251 Barataria Bay North of Grand Isle	1.28	1.53	1.44	1.20	1.06	0.73	0.81	0.74	0.53	0.42	0.56	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.56	1.48	1.30	1.25	0.76	0.63	0.56	0.57	0.50	0.66	1.09
USGS 07380335 - Little Lake Near Cutoff	1.04	1.47	1.39	1.31	1.15	0.79	0.56	0.47	0.52	0.47	0.67	1.07
USGS073802516 Barataria Pass at Grand Isle	1.05	1.42	1.34	1.18	0.95	0.71	0.55	0.48	0.51	0.45	0.58	0.93
HWQ14 - Lake Washington	1.15	1.45	1.34	1.09	0.88	0.68	0.67	0.60	0.51	0.43	0.50	0.84
HWQ16 - Bayou Grand Liard	0.93	1.28	1.23	1.18	0.97	0.76	0.49	0.49	0.52	0.45	0.68	0.94
CRMS 3985	1.29	1.45	1.39	1.08	0.84	0.72	0.94	0.71	0.42	0.34	0.43	0.96
CRMS 0258	1.32	1.65	1.47	1.58	1.42	1.08	0.78	0.72	0.70	0.65	1.01	1.45
CRMS 0224	1.19	1.62	1.48	1.47	1.41	0.94	0.67	0.60	0.62	0.56	0.79	1.28
CRMS 0163	1.65	1.78	1.89	1.76	1.86	1.76	1.09	0.78	0.82	1.15	1.84	1.82
CRMS 0162	1.39	1.45	1.40	1.23	1.25	1.15	0.86	0.81	0.66	0.76	1.33	1.40

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.42	0.91	0.85	0.97	0.99	1.08	1.19	1.18	1.12	0.80	0.48
CRMS0276 - Just east of Wilkinson Canal	-0.15	-0.10	-0.11	-0.05	-0.20	-0.19	-0.15	-0.10	-0.18	-0.30	-0.14	-0.07
Barataria Waterway at Lafitte (USACE82875)	-0.09	-0.09	-0.03	-0.05	-0.08	-0.06	-0.41	-0.44	-0.27	-0.45	-0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.22	0.57	0.32	0.46	0.06	0.41	0.45	0.24	0.37	0.36	0.29
USGS7380251 Barataria Bay North of Grand Isle	-0.31	0.16	0.51	0.34	0.31	-0.02	-0.08	-0.16	-0.34	-0.41	-0.53	-0.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.19	0.06	0.24	0.24	0.36	-0.06	-0.06	-0.03	-0.10	-0.14	-0.20	-0.20
USGS 07380335 - Little Lake Near Cutoff	-0.18	-0.02	0.05	0.15	0.17	-0.10	-0.10	-0.05	-0.11	-0.15	-0.20	-0.19
USGS073802516 Barataria Pass at Grand Isle	-0.21	-0.02	0.14	0.18	0.09	-0.09	-0.09	-0.06	-0.12	-0.14	-0.21	-0.27
HWQ14 - Lake Washington	-0.32	0.04	0.35	0.28	0.16	-0.02	-0.05	-0.06	-0.20	-0.25	-0.38	-0.45
HWQ16 - Bayou Grand Liard	-0.09	-0.06	-0.04	0.01	-0.08	-0.12	-0.09	-0.04	-0.09	-0.11	-0.12	-0.13
CRMS 3985	-0.28	0.23	0.48	0.26	0.13	-0.05	-0.10	-0.38	-0.58	-0.62	-0.77	-0.54
CRMS 0258	-0.18	-0.06	-0.04	-0.03	-0.08	-0.12	0.02	0.05	-0.19	-0.21	-0.24	-0.05
CRMS 0224	-0.21	0.00	0.08	0.05	0.14	-0.11	-0.04	-0.01	-0.15	-0.17	-0.24	-0.11
CRMS 0163	-0.10	-0.12	-0.04	-0.09	-0.08	-0.11	-0.49	-0.61	-0.30	-0.51	-0.02	-0.04
CRMS 0162	-0.17	-0.22	-0.11	-0.22	-0.22	-0.27	-0.54	-0.31	-0.08	-0.27	-0.08	-0.21

Figure WQ TOTN 213 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.61	1.71	1.46	1.24	1.05	1.01	0.91	0.89	0.96	0.90	0.99	1.30
CRMS0276 - Just east of Wilkinson Canal	1.45	1.80	1.82	1.84	1.78	1.70	1.24	1.12	1.41	1.18	1.20	1.35
Barataria Waterway at Lafitte (USACE82875)	1.76	1.94	1.96	1.96	1.95	1.99	1.88	1.84	1.83	1.71	1.61	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.59	1.74	1.51	1.42	1.24	1.18	0.89	0.86	1.07	0.96	0.96	1.29
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.68	1.47	1.08	0.84	0.82	0.92	0.95	0.95	0.90	1.04	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.64	1.55	1.27	0.99	0.93	0.82	0.79	0.93	0.84	0.85	1.17
USGS 07380335 - Little Lake Near Cutoff	1.30	1.62	1.59	1.38	1.10	1.05	0.87	0.83	0.95	0.86	0.85	1.12
USGS073802516 Barataria Pass at Grand Isle	1.31	1.57	1.51	1.23	0.97	0.92	0.82	0.79	0.84	0.78	0.80	1.09
HWQ14 - Lake Washington	1.47	1.62	1.44	1.04	0.82	0.77	0.78	0.77	0.80	0.77	0.88	1.21
HWQ16 - Bayou Grand Liard	1.13	1.49	1.49	1.37	1.20	1.14	0.91	0.84	0.88	0.73	0.75	0.97
CRMS 3985	1.64	1.68	1.49	1.03	0.79	0.80	1.02	1.08	1.04	0.98	1.15	1.47
CRMS 0258	1.53	1.79	1.71	1.72	1.58	1.44	0.99	0.95	1.44	1.12	1.12	1.37
CRMS 0224	1.44	1.72	1.64	1.57	1.36	1.23	0.86	0.83	1.20	0.98	0.95	1.26
CRMS 0163	1.86	1.95	1.97	1.93	1.99	1.99	1.92	1.88	1.87	1.72	1.75	1.83
CRMS 0162	1.81	1.87	1.75	1.70	1.69	1.87	1.98	1.82	1.42	1.22	1.18	1.45

V3PR4 HYST - cy 5 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.99	1.99	2.00	2.00	1.99	1.99	1.93	1.87	1.86	1.89	1.89
CRMS0276 - Just east of Wilkinson Canal	1.38	1.71	1.74	1.74	1.61	1.51	1.22	1.16	1.24	0.95	1.04	1.19
Barataria Waterway at Lafitte (USACE82875)	1.63	1.90	1.93	1.91	1.87	1.94	1.75	1.69	1.60	1.39	1.51	1.65
USGS2928590900040000 Barataria Waterway South of Lafitte	1.84	1.86	1.94	1.92	1.91	1.86	1.82	1.48	1.12	1.25	1.57	1.70
USGS7380251 Barataria Bay North of Grand Isle	1.62	1.72	1.72	1.56	1.47	1.26	1.14	1.03	0.88	0.82	1.03	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.59	1.79	1.84	1.71	1.60	1.48	1.43	1.18	0.88	0.78	0.81	1.15
USGS 07380335 - Little Lake Near Cutoff	1.39	1.72	1.77	1.63	1.48	1.37	1.24	1.05	0.87	0.74	0.71	1.02
USGS073802516 Barataria Pass at Grand Isle	1.40	1.67	1.69	1.46	1.22	1.09	1.02	0.93	0.79	0.70	0.71	1.00
HWQ14 - Lake Washington	1.51	1.66	1.62	1.35	1.16	1.03	1.01	0.93	0.77	0.72	0.84	1.16
HWQ16 - Bayou Grand Liard	1.08	1.51	1.50	1.39	1.19	1.11	0.85	0.80	0.81	0.63	0.64	0.84
CRMS 3985	1.53	1.62	1.57	1.29	1.11	0.99	0.93	0.89	0.85	0.85	1.08	1.37
CRMS 0258	1.65	1.76	1.84	1.74	1.65	1.67	1.66	1.41	1.31	0.99	0.95	1.28
CRMS 0224	1.63	1.79	1.86	1.77	1.68	1.67	1.62	1.29	1.10	0.87	0.83	1.18
CRMS 0163	1.75	1.92	1.94	1.85	1.95	1.94	1.81	1.79	1.53	1.31	1.65	1.61
CRMS 0162	1.70	1.80	1.69	1.59	1.57	1.77	1.89	1.66	1.06	0.91	1.13	1.27

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.35	0.28	0.53	0.76	0.95	0.98	1.08	1.04	0.92	0.96	0.90	0.58
CRMS0276 - Just east of Wilkinson Canal	-0.07	-0.09	-0.08	-0.10	-0.17	-0.19	-0.02	0.04	-0.17	-0.23	-0.16	-0.17
Barataria Waterway at Lafitte (USACE82875)	-0.13	-0.04	-0.03	-0.05	-0.08	-0.04	-0.13	-0.15	-0.24	-0.32	-0.10	-0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.24	0.12	0.43	0.51	0.68	0.68	0.93	0.62	0.05	0.29	0.60	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.04	0.25	0.48	0.62	0.43	0.22	0.08	-0.07	-0.07	-0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.22	0.15	0.29	0.44	0.61	0.55	0.61	0.39	-0.05	-0.07	-0.04	-0.02
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.18	0.25	0.38	0.32	0.37	0.22	-0.08	-0.12	-0.14	-0.10
USGS073802516 Barataria Pass at Grand Isle	0.09	0.10	0.18	0.23	0.24	0.17	0.20	0.14	-0.05	-0.08	-0.09	-0.09
HWQ14 - Lake Washington	0.04	0.04	0.18	0.31	0.34	0.26	0.22	0.16	-0.04	-0.05	-0.04	-0.04
HWQ16 - Bayou Grand Liard	-0.05	0.02	0.01	0.02	-0.01	-0.04	-0.06	-0.05	-0.08	-0.09	-0.11	-0.13
CRMS 3985	-0.11	-0.06	0.08	0.26	0.32	0.18	-0.09	-0.19	-0.19	-0.12	-0.07	-0.09
CRMS 0258	0.12	-0.03	0.12	0.02	0.07	0.24	0.68	0.46	-0.12	-0.14	-0.17	-0.09
CRMS 0224	0.20	0.06	0.22	0.20	0.31	0.44	0.76	0.46	-0.10	-0.12	-0.12	-0.08
CRMS 0163	-0.11	-0.04	-0.03	-0.08	-0.05	-0.05	-0.11	-0.09	-0.34	-0.41	-0.10	-0.22
CRMS 0162	-0.12	-0.07	-0.06	-0.10	-0.12	-0.11	-0.09	-0.16	-0.36	-0.31	-0.06	-0.18

Figure WQ TOTN 214 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.66	1.57	1.24	1.18	1.07	0.98	0.88	0.87	0.89	0.87	0.94	1.32
CRMS0276 - Just east of Wilkinson Canal	1.53	1.59	1.74	1.83	1.83	1.67	1.22	1.02	1.34	1.09	1.14	1.61
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.93	1.96	1.89	1.96	1.88	1.76	1.82	1.64	1.60	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.67	1.64	1.39	1.41	1.32	1.13	0.85	0.82	0.99	0.92	0.91	1.33
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.44	1.06	0.89	0.77	0.78	0.88	0.93	0.92	0.88	1.00	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.45	1.53	1.38	1.21	1.03	0.92	0.79	0.76	0.88	0.81	0.77	1.23
USGS 07380335 - Little Lake Near Cutoff	1.37	1.49	1.46	1.35	1.20	1.05	0.85	0.78	0.90	0.82	0.76	1.23
USGS073802516 Barataria Pass at Grand Isle	1.38	1.47	1.33	1.17	1.02	0.94	0.82	0.75	0.80	0.74	0.73	1.14
HWQ14 - Lake Washington	1.52	1.48	1.14	0.88	0.77	0.76	0.76	0.75	0.78	0.76	0.83	1.20
HWQ16 - Bayou Grand Liard	1.17	1.30	1.37	1.37	1.35	1.21	0.94	0.79	0.84	0.69	0.70	1.13
CRMS 3985	1.57	1.33	0.93	0.76	0.69	0.75	0.97	1.06	1.02	0.96	1.12	1.45
CRMS 0258	1.65	1.67	1.65	1.73	1.72	1.31	0.94	0.91	1.35	1.07	1.02	1.55
CRMS 0224	1.54	1.60	1.54	1.56	1.50	1.16	0.83	0.79	1.13	0.94	0.86	1.39
CRMS 0163	1.83	1.87	1.95	1.97	1.90	1.98	1.93	1.84	1.85	1.63	1.76	1.91
CRMS 0162	1.65	1.44	1.71	1.74	1.76	1.92	1.99	1.78	1.30	1.05	1.19	1.80

V3PR4 HYST - cy 5 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.00	1.94	1.97	2.00	1.90	1.98	1.99	1.89	1.86	1.87	1.88	1.97
CRMS0276 - Just east of Wilkinson Canal	1.47	1.54	1.58	1.76	1.74	1.49	1.24	1.04	1.14	0.86	0.96	1.50
Barataria Waterway at Lafitte (USACE82875)	1.70	1.64	1.87	1.91	1.84	1.92	1.75	1.69	1.43	1.22	1.49	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	2.19	1.89	1.82	1.90	1.79	1.87	1.84	1.24	1.09	1.25	1.53	1.84
USGS7380251 Barataria Bay North of Grand Isle	1.67	1.65	1.67	1.61	1.53	1.37	1.17	0.93	0.87	0.83	1.00	1.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.56	1.56	1.74	1.76	1.66	1.53	1.43	0.89	0.82	0.74	0.75	1.67
USGS 07380335 - Little Lake Near Cutoff	1.42	1.49	1.65	1.69	1.59	1.42	1.25	0.86	0.79	0.69	0.64	1.48
USGS073802516 Barataria Pass at Grand Isle	1.44	1.47	1.60	1.55	1.35	1.11	1.02	0.78	0.73	0.66	0.66	1.40
HWQ14 - Lake Washington	1.58	1.57	1.57	1.45	1.24	1.05	1.02	0.82	0.74	0.71	0.80	1.41
HWQ16 - Bayou Grand Liard	1.12	1.30	1.38	1.46	1.39	1.16	0.88	0.74	0.74	0.59	0.60	1.10
CRMS 3985	1.62	1.62	1.60	1.39	1.22	1.03	0.95	0.86	0.88	0.87	1.05	1.44
CRMS 0258	1.72	1.64	1.69	1.79	1.73	1.68	1.66	1.17	1.18	0.92	0.82	1.63
CRMS 0224	1.61	1.61	1.73	1.81	1.73	1.71	1.62	0.97	1.00	0.81	0.74	1.63
CRMS 0163	1.75	1.62	1.90	1.89	1.88	1.94	1.81	1.78	1.35	1.15	1.68	1.88
CRMS 0162	1.53	1.31	1.61	1.65	1.65	1.86	1.94	1.61	0.97	0.85	1.14	1.64

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.34	0.37	0.73	0.82	0.84	1.00	1.11	1.03	0.97	1.00	0.94	0.64
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.05	-0.15	-0.07	-0.09	-0.18	0.02	0.02	-0.20	-0.24	-0.18	-0.11
Barataria Waterway at Lafitte (USACE82875)	-0.06	-0.22	-0.06	-0.05	-0.05	-0.04	-0.14	-0.07	-0.39	-0.42	-0.10	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.52	0.25	0.43	0.50	0.47	0.74	0.99	0.41	0.09	0.33	0.63	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.07	0.21	0.60	0.72	0.76	0.58	0.29	0.00	-0.05	-0.05	0.00	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.03	0.36	0.55	0.63	0.61	0.63	0.12	-0.06	-0.07	-0.02	0.44
USGS 07380335 - Little Lake Near Cutoff	0.04	0.00	0.19	0.35	0.40	0.37	0.40	0.07	-0.11	-0.13	-0.12	0.24
USGS073802516 Barataria Pass at Grand Isle	0.06	0.01	0.27	0.38	0.33	0.17	0.20	0.03	-0.07	-0.09	-0.06	0.26
HWQ14 - Lake Washington	0.06	0.09	0.43	0.57	0.48	0.30	0.26	0.07	-0.04	-0.04	-0.03	0.21
HWQ16 - Bayou Grand Liard	-0.05	-0.01	0.01	0.09	0.03	-0.06	-0.05	-0.05	-0.10	-0.09	-0.10	-0.03
CRMS 3985	0.04	0.30	0.67	0.63	0.53	0.28	-0.03	-0.20	-0.14	-0.10	-0.07	-0.01
CRMS 0258	0.07	-0.03	0.04	0.06	0.01	0.37	0.72	0.26	-0.17	-0.14	-0.21	0.08
CRMS 0224	0.08	0.00	0.19	0.25	0.23	0.55	0.80	0.18	-0.13	-0.13	-0.12	0.24
CRMS 0163	-0.08	-0.25	-0.05	-0.08	-0.02	-0.04	-0.11	-0.06	-0.50	-0.48	-0.08	-0.03
CRMS 0162	-0.13	-0.13	-0.11	-0.09	-0.11	-0.06	-0.05	-0.17	-0.34	-0.20	-0.05	-0.16

Figure WQ TOTN 215 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.45	1.30	1.20	0.96	0.84	0.71	0.67	0.75	0.79	0.79	1.04
CRMS0276 - Just east of Wilkinson Canal	1.26	1.61	1.76	1.81	1.83	1.70	1.33	1.01	1.39	1.26	1.12	1.19
Barataria Waterway at Lafitte (USACE82875)	1.63	1.85	1.92	1.90	1.97	1.99	1.90	1.79	1.85	1.72	1.56	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.48	1.35	1.39	1.15	0.98	0.70	0.65	0.90	0.89	0.78	1.04
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.45	1.32	0.99	0.73	0.67	0.64	0.66	0.72	0.74	0.85	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.09	1.38	1.38	1.21	0.94	0.80	0.72	0.66	0.77	0.77	0.73	0.95
USGS 07380335 - Little Lake Near Cutoff	1.04	1.37	1.44	1.34	1.08	0.94	0.85	0.74	0.84	0.85	0.76	0.93
USGS073802516 Barataria Pass at Grand Isle	1.04	1.32	1.33	1.18	0.95	0.83	0.78	0.70	0.69	0.72	0.69	0.88
HWQ14 - Lake Washington	1.19	1.36	1.27	0.95	0.74	0.66	0.62	0.60	0.60	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.95	1.27	1.40	1.40	1.29	1.11	0.99	0.80	0.83	0.76	0.70	0.81
CRMS 3985	1.41	1.48	1.36	0.91	0.67	0.63	0.63	0.72	0.81	0.81	0.97	1.26
CRMS 0258	1.27	1.59	1.61	1.68	1.51	1.32	0.87	0.80	1.35	1.16	0.98	1.19
CRMS 0224	1.15	1.49	1.50	1.54	1.32	1.08	0.75	0.68	1.09	0.97	0.82	1.06
CRMS 0163	1.77	1.88	1.95	1.91	1.99	2.00	1.95	1.85	1.86	1.73	1.70	1.77
CRMS 0162	1.70	1.69	1.77	1.78	1.82	1.90	2.00	1.80	1.48	1.38	1.12	1.35

V3PR5 HYST - cy 5 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.96	1.99	1.93	2.00	2.00	1.99	1.95	1.91	1.97	1.92	1.91
CRMS0276 - Just east of Wilkinson Canal	1.31	1.58	1.71	1.78	1.70	1.51	1.29	1.12	1.29	1.17	1.08	1.31
Barataria Waterway at Lafitte (USACE82875)	1.62	1.84	1.91	1.89	1.95	1.96	1.80	1.71	1.69	1.57	1.52	1.61
USGS2928590900040000 Barataria Waterway South of Lafitte	1.78	1.82	1.88	1.84	1.94	1.94	1.90	1.46	1.22	1.47	1.57	1.63
USGS7380251 Barataria Bay North of Grand Isle	1.59	1.68	1.76	1.67	1.65	1.55	1.50	1.13	1.02	1.01	0.96	1.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.42	1.63	1.80	1.71	1.66	1.50	1.49	1.05	0.97	1.06	0.85	1.18
USGS 07380335 - Little Lake Near Cutoff	1.24	1.55	1.74	1.67	1.55	1.39	1.32	0.96	0.93	1.01	0.77	1.10
USGS073802516 Barataria Pass at Grand Isle	1.29	1.53	1.69	1.55	1.29	1.12	1.11	0.88	0.84	0.90	0.75	1.05
HWQ14 - Lake Washington	1.45	1.60	1.64	1.46	1.23	1.12	1.14	0.94	0.83	0.90	0.83	1.14
HWQ16 - Bayou Grand Liard	1.03	1.35	1.51	1.51	1.31	1.11	0.94	0.81	0.83	0.76	0.68	0.95
CRMS 3985	1.54	1.63	1.64	1.43	1.26	1.17	1.19	1.00	0.91	0.87	0.93	1.33
CRMS 0258	1.51	1.68	1.77	1.77	1.66	1.70	1.69	1.35	1.37	1.22	1.03	1.27
CRMS 0224	1.44	1.66	1.80	1.77	1.71	1.67	1.64	1.17	1.14	1.15	0.90	1.21
CRMS 0163	1.73	1.84	1.94	1.89	1.98	1.97	1.85	1.80	1.67	1.50	1.66	1.60
CRMS 0162	1.57	1.56	1.72	1.72	1.73	1.82	1.96	1.66	1.17	1.16	1.16	1.35

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.50	0.69	0.73	1.04	1.16	1.29	1.28	1.16	1.18	1.13	0.86
CRMS0276 - Just east of Wilkinson Canal	0.05	-0.03	-0.04	-0.02	-0.13	-0.19	-0.04	0.10	-0.10	-0.09	-0.05	0.11
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.02	-0.02	-0.03	-0.11	-0.08	-0.16	-0.15	-0.04	-0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.48	0.33	0.53	0.46	0.79	0.96	1.20	0.81	0.32	0.58	0.79	0.59
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.24	0.44	0.68	0.91	0.88	0.85	0.47	0.30	0.27	0.11	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.25	0.42	0.50	0.73	0.71	0.77	0.38	0.20	0.29	0.12	0.23
USGS 07380335 - Little Lake Near Cutoff	0.20	0.18	0.29	0.33	0.47	0.46	0.47	0.22	0.10	0.16	0.02	0.17
USGS073802516 Barataria Pass at Grand Isle	0.25	0.21	0.35	0.37	0.34	0.30	0.33	0.18	0.16	0.18	0.06	0.17
HWQ14 - Lake Washington	0.26	0.23	0.38	0.51	0.49	0.46	0.51	0.34	0.23	0.26	0.11	0.18
HWQ16 - Bayou Grand Liard	0.08	0.07	0.11	0.11	0.02	0.00	-0.05	0.02	0.00	0.00	-0.02	0.14
CRMS 3985	0.13	0.15	0.28	0.52	0.59	0.54	0.56	0.28	0.10	0.06	-0.04	0.07
CRMS 0258	0.25	0.09	0.16	0.08	0.16	0.38	0.82	0.55	0.02	0.06	0.05	0.08
CRMS 0224	0.29	0.17	0.30	0.23	0.40	0.59	0.88	0.49	0.06	0.18	0.07	0.15
CRMS 0163	-0.04	-0.04	-0.01	-0.02	-0.02	-0.03	-0.10	-0.05	-0.18	-0.22	-0.04	-0.17
CRMS 0162	-0.14	-0.14	-0.05	-0.06	-0.09	-0.07	-0.03	-0.14	-0.31	-0.22	0.04	0.00

Figure WQ TOTN 216 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.64	1.70	1.48	1.27	1.09	0.99	0.84	0.79	0.81	0.79	0.89	1.28
CRMS0276 - Just east of Wilkinson Canal	1.47	1.75	1.84	1.86	1.91	1.50	0.93	0.87	1.14	0.93	1.13	1.49
Barataria Waterway at Lafitte (USACE82875)	1.74	1.92	1.95	1.98	2.00	1.97	1.78	1.60	1.67	1.46	1.61	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.63	1.72	1.54	1.43	1.29	1.13	0.85	0.77	0.87	0.80	0.85	1.28
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.67	1.47	1.11	0.85	0.82	0.82	0.88	0.88	0.83	0.98	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.40	1.61	1.58	1.30	1.06	0.92	0.76	0.68	0.79	0.71	0.71	1.17
USGS 07380335 - Little Lake Near Cutoff	1.31	1.59	1.63	1.40	1.21	1.00	0.77	0.66	0.79	0.70	0.71	1.15
USGS073802516 Barataria Pass at Grand Isle	1.32	1.55	1.53	1.26	1.06	0.91	0.74	0.64	0.72	0.65	0.68	1.09
HWQ14 - Lake Washington	1.48	1.61	1.45	1.08	0.85	0.79	0.74	0.70	0.74	0.71	0.79	1.17
HWQ16 - Bayou Grand Liard	1.11	1.44	1.53	1.41	1.38	1.02	0.70	0.64	0.73	0.60	0.69	1.04
CRMS 3985	1.65	1.67	1.49	1.06	0.80	0.78	0.86	1.03	0.99	0.93	1.11	1.43
CRMS 0258	1.59	1.76	1.75	1.71	1.66	1.37	0.90	0.78	1.15	0.92	0.96	1.49
CRMS 0224	1.48	1.69	1.67	1.57	1.47	1.17	0.80	0.71	0.98	0.80	0.79	1.32
CRMS 0163	1.83	1.93	1.97	1.99	2.02	1.97	1.83	1.72	1.69	1.42	1.79	1.89
CRMS 0162	1.73	1.83	1.83	1.77	1.83	1.79	1.90	1.53	1.03	0.87	1.25	1.68

V3PR5 HYST - cy 5 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.95	1.98	2.00	2.00	2.01	1.98	1.90	1.95	1.94	1.95	1.87	1.92
CRMS0276 - Just east of Wilkinson Canal	1.40	1.67	1.75	1.76	1.75	1.34	0.81	0.72	0.89	0.67	0.94	1.38
Barataria Waterway at Lafitte (USACE82875)	1.67	1.88	1.93	1.94	1.97	1.91	1.69	1.44	1.12	1.03	1.53	1.82
USGS2928590900040000 Barataria Waterway South of Lafitte	1.85	1.86	1.91	1.94	1.96	1.62	1.34	1.23	0.99	1.13	1.35	1.70
USGS7380251 Barataria Bay North of Grand Isle	1.54	1.71	1.77	1.70	1.69	1.09	0.85	0.77	0.60	0.48	0.63	1.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.47	1.73	1.82	1.73	1.71	1.10	0.74	0.64	0.64	0.55	0.58	1.20
USGS 07380335 - Little Lake Near Cutoff	1.32	1.66	1.76	1.64	1.61	1.11	0.70	0.57	0.62	0.52	0.54	1.06
USGS073802516 Barataria Pass at Grand Isle	1.33	1.61	1.69	1.49	1.35	1.01	0.68	0.57	0.58	0.49	0.52	0.94
HWQ14 - Lake Washington	1.41	1.60	1.62	1.40	1.29	0.97	0.75	0.65	0.56	0.47	0.52	0.97
HWQ16 - Bayou Grand Liard	1.10	1.44	1.55	1.44	1.35	0.99	0.61	0.56	0.60	0.48	0.56	0.90
CRMS 3985	1.43	1.58	1.61	1.39	1.32	0.96	0.82	0.68	0.45	0.37	0.59	1.13
CRMS 0258	1.61	1.73	1.79	1.74	1.74	1.33	0.93	0.79	0.89	0.72	0.70	1.48
CRMS 0224	1.52	1.74	1.82	1.76	1.77	1.20	0.79	0.68	0.76	0.61	0.61	1.33
CRMS 0163	1.77	1.89	1.95	1.93	1.99	1.89	1.75	1.50	1.02	0.98	1.72	1.82
CRMS 0162	1.62	1.73	1.76	1.69	1.73	1.58	1.61	1.33	0.77	0.74	1.18	1.46

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.31	0.28	0.52	0.73	0.93	1.00	1.06	1.16	1.13	1.16	0.98	0.64
CRMS0276 - Just east of Wilkinson Canal	-0.07	-0.09	-0.09	-0.11	-0.16	-0.16	-0.13	-0.15	-0.25	-0.26	-0.19	-0.11
Barataria Waterway at Lafitte (USACE82875)	-0.06	-0.04	-0.03	-0.04	-0.04	-0.06	-0.09	-0.16	-0.55	-0.43	-0.08	-0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.13	0.37	0.51	0.66	0.49	0.49	0.47	0.12	0.33	0.50	0.43
USGS7380251 Barataria Bay North of Grand Isle	-0.07	0.04	0.29	0.58	0.84	0.27	0.03	-0.10	-0.28	-0.35	-0.35	-0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.12	0.24	0.43	0.65	0.18	-0.02	-0.04	-0.14	-0.16	-0.13	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.07	0.14	0.24	0.41	0.11	-0.06	-0.08	-0.17	-0.18	-0.17	-0.10
USGS073802516 Barataria Pass at Grand Isle	0.01	0.07	0.16	0.23	0.29	0.10	-0.06	-0.08	-0.14	-0.16	-0.16	-0.15
HWQ14 - Lake Washington	-0.07	0.00	0.17	0.32	0.44	0.18	0.00	-0.05	-0.18	-0.23	-0.27	-0.20
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.03	-0.03	-0.03	-0.09	-0.08	-0.13	-0.12	-0.13	-0.14
CRMS 3985	-0.22	-0.09	0.12	0.33	0.53	0.18	-0.04	-0.35	-0.54	-0.57	-0.51	-0.30
CRMS 0258	0.02	-0.03	0.05	0.02	0.08	-0.04	0.02	0.01	-0.27	-0.20	-0.26	-0.01
CRMS 0224	0.05	0.05	0.15	0.19	0.31	0.03	-0.01	-0.03	-0.22	-0.20	-0.19	0.01
CRMS 0163	-0.06	-0.04	-0.02	-0.06	-0.03	-0.08	-0.09	-0.22	-0.67	-0.44	-0.07	-0.06
CRMS 0162	-0.11	-0.10	-0.07	-0.08	-0.11	-0.21	-0.29	-0.20	-0.26	-0.13	-0.07	-0.21

Figure WQ TOTN 217 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.60	1.53	1.05	1.08	0.96	0.87	0.77	0.76	0.74	0.74	1.04	1.37
CRMS0276 - Just east of Wilkinson Canal	1.34	1.67	1.65	1.67	1.63	1.33	0.74	0.63	0.88	0.96	1.33	1.48
Barataria Waterway at Lafitte (USACE82875)	1.64	1.89	1.92	1.90	1.89	1.94	1.46	1.16	1.11	1.65	1.73	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.58	1.61	1.21	1.30	1.15	1.02	0.76	0.72	0.72	0.71	1.02	1.36
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.37	0.93	0.87	0.75	0.74	0.88	0.91	0.87	0.83	1.08	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.33	1.50	1.24	1.06	0.89	0.82	0.68	0.59	0.67	0.64	0.86	1.29
USGS 07380335 - Little Lake Near Cutoff	1.22	1.49	1.33	1.16	0.98	0.88	0.65	0.53	0.64	0.62	0.87	1.25
USGS073802516 Barataria Pass at Grand Isle	1.26	1.44	1.21	1.00	0.86	0.80	0.64	0.54	0.62	0.59	0.79	1.20
HWQ14 - Lake Washington	1.47	1.42	0.99	0.81	0.72	0.71	0.72	0.67	0.71	0.68	0.88	1.29
HWQ16 - Bayou Grand Liard	1.01	1.34	1.27	1.17	1.05	0.87	0.57	0.53	0.61	0.56	0.80	1.07
CRMS 3985	1.57	1.22	0.91	0.82	0.71	0.77	1.04	1.09	1.00	0.96	1.20	1.50
CRMS 0258	1.50	1.71	1.51	1.61	1.50	1.20	0.75	0.67	0.89	0.86	1.25	1.50
CRMS 0224	1.40	1.62	1.40	1.41	1.26	1.05	0.71	0.62	0.77	0.73	1.02	1.39
CRMS 0163	1.75	1.90	1.94	1.84	1.93	1.87	1.58	1.39	1.12	1.66	1.85	1.86
CRMS 0162	1.56	1.67	1.50	1.44	1.47	1.42	1.40	1.13	0.74	1.03	1.41	1.61

V3PR5 HYST - cy 5 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.91	1.95	1.97	1.94	1.93	1.88	1.87	1.98	1.95	1.89	1.86	1.88
CRMS0276 - Just east of Wilkinson Canal	1.18	1.56	1.54	1.61	1.43	1.09	0.59	0.52	0.69	0.67	1.18	1.38
Barataria Waterway at Lafitte (USACE82875)	1.53	1.79	1.89	1.84	1.81	1.88	1.06	0.74	0.82	1.23	1.70	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.65	1.82	1.76	1.59	1.62	1.08	1.18	1.17	0.90	1.02	1.31	1.60
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.57	1.50	1.26	1.18	0.76	0.83	0.77	0.56	0.45	0.57	0.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.54	1.47	1.30	1.22	0.77	0.64	0.57	0.57	0.50	0.64	1.08
USGS 07380335 - Little Lake Near Cutoff	1.03	1.46	1.37	1.31	1.12	0.78	0.56	0.48	0.52	0.47	0.65	1.04
USGS073802516 Barataria Pass at Grand Isle	1.04	1.42	1.35	1.18	0.95	0.71	0.56	0.48	0.51	0.45	0.57	0.91
HWQ14 - Lake Washington	1.16	1.46	1.37	1.12	0.91	0.70	0.69	0.62	0.52	0.44	0.50	0.84
HWQ16 - Bayou Grand Liard	0.92	1.27	1.23	1.18	0.96	0.75	0.48	0.48	0.52	0.45	0.67	0.92
CRMS 3985	1.30	1.48	1.43	1.13	0.92	0.75	0.95	0.72	0.43	0.35	0.44	0.97
CRMS 0258	1.30	1.63	1.44	1.57	1.37	1.05	0.74	0.68	0.68	0.62	0.97	1.43
CRMS 0224	1.18	1.59	1.45	1.45	1.34	0.93	0.66	0.60	0.59	0.54	0.75	1.26
CRMS 0163	1.64	1.78	1.89	1.76	1.83	1.75	1.09	0.80	0.81	1.17	1.84	1.81
CRMS 0162	1.39	1.45	1.38	1.26	1.22	1.10	0.88	0.82	0.68	0.77	1.33	1.41

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.31	0.43	0.92	0.86	0.97	1.01	1.10	1.22	1.21	1.15	0.83	0.51
CRMS0276 - Just east of Wilkinson Canal	-0.16	-0.11	-0.11	-0.06	-0.20	-0.24	-0.15	-0.11	-0.19	-0.29	-0.15	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.11	-0.10	-0.03	-0.06	-0.08	-0.07	-0.40	-0.42	-0.29	-0.43	-0.02	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.07	0.20	0.56	0.29	0.47	0.06	0.42	0.45	0.18	0.31	0.29	0.24
USGS7380251 Barataria Bay North of Grand Isle	-0.28	0.20	0.57	0.39	0.43	0.02	-0.05	-0.14	-0.31	-0.38	-0.51	-0.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.20	0.05	0.23	0.24	0.33	-0.05	-0.04	-0.02	-0.11	-0.14	-0.21	-0.22
USGS 07380335 - Little Lake Near Cutoff	-0.19	-0.03	0.04	0.15	0.14	-0.10	-0.09	-0.05	-0.12	-0.15	-0.22	-0.21
USGS073802516 Barataria Pass at Grand Isle	-0.22	-0.02	0.14	0.18	0.08	-0.09	-0.08	-0.06	-0.12	-0.14	-0.22	-0.29
HWQ14 - Lake Washington	-0.31	0.05	0.38	0.31	0.19	-0.01	-0.03	-0.04	-0.19	-0.24	-0.38	-0.45
HWQ16 - Bayou Grand Liard	-0.09	-0.07	-0.04	0.01	-0.09	-0.13	-0.09	-0.04	-0.09	-0.11	-0.14	-0.15
CRMS 3985	-0.27	0.26	0.53	0.31	0.20	-0.02	-0.08	-0.37	-0.57	-0.61	-0.76	-0.52
CRMS 0258	-0.20	-0.08	-0.07	-0.05	-0.13	-0.15	-0.02	0.01	-0.22	-0.24	-0.28	-0.08
CRMS 0224	-0.22	-0.03	0.04	0.04	0.08	-0.12	-0.05	-0.02	-0.17	-0.19	-0.27	-0.13
CRMS 0163	-0.11	-0.13	-0.04	-0.09	-0.10	-0.12	-0.49	-0.59	-0.31	-0.49	-0.02	-0.05
CRMS 0162	-0.17	-0.22	-0.12	-0.18	-0.25	-0.32	-0.52	-0.30	-0.06	-0.26	-0.08	-0.21

Figure WQ TOTN 218 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.61	1.71	1.46	1.24	1.05	1.01	0.91	0.89	0.96	0.90	0.99	1.30
CRMS0276 - Just east of Wilkinson Canal	1.45	1.80	1.82	1.84	1.78	1.70	1.24	1.12	1.41	1.18	1.20	1.35
Barataria Waterway at Lafitte (USACE82875)	1.76	1.94	1.96	1.96	1.95	1.99	1.88	1.84	1.83	1.71	1.61	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.59	1.74	1.51	1.42	1.24	1.18	0.89	0.86	1.07	0.96	0.96	1.29
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.68	1.47	1.08	0.84	0.82	0.92	0.95	0.95	0.90	1.04	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.64	1.55	1.27	0.99	0.93	0.82	0.79	0.93	0.84	0.85	1.17
USGS 07380335 - Little Lake Near Cutoff	1.30	1.62	1.59	1.38	1.10	1.05	0.87	0.83	0.95	0.86	0.85	1.12
USGS073802516 Barataria Pass at Grand Isle	1.31	1.57	1.51	1.23	0.97	0.92	0.82	0.79	0.84	0.78	0.80	1.09
HWQ14 - Lake Washington	1.47	1.62	1.44	1.04	0.82	0.77	0.78	0.77	0.80	0.77	0.88	1.21
HWQ16 - Bayou Grand Liard	1.13	1.49	1.49	1.37	1.20	1.14	0.91	0.84	0.88	0.73	0.75	0.97
CRMS 3985	1.64	1.68	1.49	1.03	0.79	0.80	1.02	1.08	1.04	0.98	1.15	1.47
CRMS 0258	1.53	1.79	1.71	1.72	1.58	1.44	0.99	0.95	1.44	1.12	1.12	1.37
CRMS 0224	1.44	1.72	1.64	1.57	1.36	1.23	0.86	0.83	1.20	0.98	0.95	1.26
CRMS 0163	1.86	1.95	1.97	1.93	1.99	1.99	1.92	1.88	1.87	1.72	1.75	1.83
CRMS 0162	1.81	1.87	1.75	1.70	1.69	1.87	1.98	1.82	1.42	1.22	1.18	1.45

V3PR5 HYST - cy 5 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.99	1.99	2.00	2.00	1.99	1.99	1.95	1.88	1.89	1.90	1.90
CRMS0276 - Just east of Wilkinson Canal	1.38	1.71	1.74	1.73	1.58	1.48	1.17	1.12	1.23	0.93	1.00	1.21
Barataria Waterway at Lafitte (USACE82875)	1.63	1.90	1.93	1.90	1.87	1.94	1.74	1.70	1.59	1.37	1.51	1.66
USGS2928590900040000 Barataria Waterway South of Lafitte	1.84	1.88	1.95	1.93	1.94	1.90	1.86	1.50	1.08	1.20	1.48	1.66
USGS7380251 Barataria Bay North of Grand Isle	1.67	1.76	1.79	1.66	1.60	1.45	1.39	1.17	0.93	0.86	1.05	1.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.59	1.78	1.82	1.69	1.58	1.44	1.39	1.16	0.88	0.77	0.78	1.14
USGS 07380335 - Little Lake Near Cutoff	1.39	1.71	1.75	1.60	1.45	1.33	1.19	1.01	0.87	0.73	0.68	1.02
USGS073802516 Barataria Pass at Grand Isle	1.42	1.67	1.69	1.46	1.22	1.10	1.02	0.91	0.79	0.69	0.70	1.00
HWQ14 - Lake Washington	1.53	1.67	1.65	1.39	1.20	1.09	1.06	0.97	0.79	0.74	0.85	1.18
HWQ16 - Bayou Grand Liard	1.09	1.50	1.50	1.38	1.16	1.09	0.82	0.78	0.80	0.63	0.62	0.86
CRMS 3985	1.57	1.65	1.63	1.38	1.24	1.12	1.09	1.01	0.89	0.88	1.09	1.40
CRMS 0258	1.64	1.75	1.82	1.72	1.61	1.64	1.62	1.37	1.30	0.97	0.88	1.28
CRMS 0224	1.61	1.77	1.84	1.73	1.63	1.59	1.54	1.23	1.08	0.85	0.78	1.17
CRMS 0163	1.75	1.92	1.94	1.86	1.95	1.94	1.80	1.80	1.53	1.29	1.65	1.63
CRMS 0162	1.70	1.80	1.69	1.60	1.56	1.76	1.89	1.66	1.07	0.92	1.14	1.27

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.35	0.28	0.53	0.76	0.95	0.98	1.08	1.06	0.93	0.99	0.91	0.60
CRMS0276 - Just east of Wilkinson Canal	-0.07	-0.09	-0.08	-0.10	-0.20	-0.22	-0.07	0.00	-0.17	-0.25	-0.20	-0.14
Barataria Waterway at Lafitte (USACE82875)	-0.13	-0.04	-0.03	-0.05	-0.08	-0.05	-0.14	-0.15	-0.25	-0.34	-0.11	-0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.25	0.14	0.44	0.51	0.70	0.72	0.97	0.64	0.01	0.24	0.51	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.06	0.08	0.32	0.58	0.75	0.63	0.47	0.22	-0.02	-0.04	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.21	0.14	0.28	0.42	0.58	0.50	0.57	0.36	-0.05	-0.07	-0.07	-0.03
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.16	0.22	0.35	0.28	0.32	0.18	-0.09	-0.13	-0.17	-0.11
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.19	0.23	0.25	0.18	0.19	0.13	-0.05	-0.08	-0.10	-0.08
HWQ14 - Lake Washington	0.06	0.05	0.21	0.34	0.38	0.32	0.28	0.20	-0.01	-0.03	-0.04	-0.02
HWQ16 - Bayou Grand Liard	-0.04	0.01	0.02	0.01	-0.04	-0.06	-0.09	-0.06	-0.09	-0.10	-0.13	-0.11
CRMS 3985	-0.07	-0.03	0.14	0.34	0.45	0.32	0.07	-0.08	-0.14	-0.10	-0.06	-0.07
CRMS 0258	0.11	-0.04	0.11	0.00	0.03	0.20	0.63	0.41	-0.14	-0.16	-0.24	-0.09
CRMS 0224	0.17	0.05	0.20	0.17	0.27	0.37	0.68	0.40	-0.13	-0.13	-0.18	-0.10
CRMS 0163	-0.12	-0.04	-0.03	-0.07	-0.05	-0.05	-0.12	-0.08	-0.34	-0.42	-0.10	-0.20
CRMS 0162	-0.12	-0.07	-0.05	-0.10	-0.12	-0.11	-0.09	-0.16	-0.34	-0.30	-0.05	-0.18

Figure WQ TOTN 219 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.66	1.57	1.24	1.18	1.07	0.98	0.88	0.87	0.89	0.87	0.94	1.32
CRMS0276 - Just east of Wilkinson Canal	1.53	1.59	1.74	1.83	1.83	1.67	1.22	1.02	1.34	1.09	1.14	1.61
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.93	1.96	1.89	1.96	1.88	1.76	1.82	1.64	1.60	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.67	1.64	1.39	1.41	1.32	1.13	0.85	0.82	0.99	0.92	0.91	1.33
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.44	1.06	0.89	0.77	0.78	0.88	0.93	0.92	0.88	1.00	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.45	1.53	1.38	1.21	1.03	0.92	0.79	0.76	0.88	0.81	0.77	1.23
USGS 07380335 - Little Lake Near Cutoff	1.37	1.49	1.46	1.35	1.20	1.05	0.85	0.78	0.90	0.82	0.76	1.23
USGS073802516 Barataria Pass at Grand Isle	1.38	1.47	1.33	1.17	1.02	0.94	0.82	0.75	0.80	0.74	0.73	1.14
HWQ14 - Lake Washington	1.52	1.48	1.14	0.88	0.77	0.76	0.76	0.75	0.78	0.76	0.83	1.20
HWQ16 - Bayou Grand Liard	1.17	1.30	1.37	1.37	1.35	1.21	0.94	0.79	0.84	0.69	0.70	1.13
CRMS 3985	1.57	1.33	0.93	0.76	0.69	0.75	0.97	1.06	1.02	0.96	1.12	1.45
CRMS 0258	1.65	1.67	1.65	1.73	1.72	1.31	0.94	0.91	1.35	1.07	1.02	1.55
CRMS 0224	1.54	1.60	1.54	1.56	1.50	1.16	0.83	0.79	1.13	0.94	0.86	1.39
CRMS 0163	1.83	1.87	1.95	1.97	1.90	1.98	1.93	1.84	1.85	1.63	1.76	1.91
CRMS 0162	1.65	1.44	1.71	1.74	1.76	1.92	1.99	1.78	1.30	1.05	1.19	1.80

V3PR5 HYST - cy 5 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.01	1.95	1.97	2.00	1.88	1.98	1.99	1.91	1.87	1.90	1.89	1.97
CRMS0276 - Just east of Wilkinson Canal	1.49	1.52	1.58	1.76	1.72	1.46	1.19	1.02	1.12	0.83	0.93	1.50
Barataria Waterway at Lafitte (USACE82875)	1.71	1.62	1.87	1.91	1.82	1.91	1.75	1.68	1.42	1.14	1.48	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	2.15	1.88	1.84	1.91	1.80	1.90	1.88	1.23	1.04	1.19	1.45	1.85
USGS7380251 Barataria Bay North of Grand Isle	1.71	1.67	1.71	1.70	1.61	1.52	1.39	0.99	0.91	0.86	1.03	1.65
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.57	1.57	1.73	1.74	1.64	1.48	1.38	0.89	0.82	0.73	0.73	1.64
USGS 07380335 - Little Lake Near Cutoff	1.43	1.50	1.64	1.68	1.57	1.38	1.20	0.85	0.79	0.68	0.62	1.44
USGS073802516 Barataria Pass at Grand Isle	1.46	1.49	1.60	1.55	1.35	1.11	1.02	0.79	0.74	0.66	0.66	1.40
HWQ14 - Lake Washington	1.60	1.60	1.60	1.48	1.28	1.10	1.06	0.85	0.77	0.73	0.82	1.44
HWQ16 - Bayou Grand Liard	1.14	1.30	1.38	1.46	1.37	1.13	0.87	0.75	0.74	0.58	0.58	1.09
CRMS 3985	1.65	1.65	1.63	1.46	1.31	1.13	1.09	0.93	0.91	0.88	1.07	1.49
CRMS 0258	1.72	1.64	1.67	1.77	1.71	1.65	1.61	1.14	1.17	0.90	0.77	1.60
CRMS 0224	1.62	1.61	1.71	1.79	1.70	1.65	1.54	0.96	0.98	0.79	0.70	1.59
CRMS 0163	1.75	1.60	1.90	1.89	1.86	1.93	1.82	1.77	1.33	1.08	1.68	1.88
CRMS 0162	1.54	1.30	1.60	1.64	1.63	1.86	1.93	1.60	0.96	0.80	1.14	1.64

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.35	0.39	0.73	0.82	0.81	0.99	1.11	1.04	0.98	1.03	0.95	0.64
CRMS0276 - Just east of Wilkinson Canal	-0.04	-0.06	-0.16	-0.08	-0.11	-0.21	-0.03	0.00	-0.22	-0.26	-0.21	-0.11
Barataria Waterway at Lafitte (USACE82875)	-0.06	-0.24	-0.06	-0.05	-0.07	-0.05	-0.13	-0.08	-0.40	-0.50	-0.12	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.48	0.24	0.44	0.51	0.48	0.77	1.03	0.41	0.05	0.27	0.55	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.23	0.65	0.81	0.83	0.74	0.51	0.06	-0.01	-0.02	0.03	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.05	0.34	0.53	0.61	0.56	0.59	0.13	-0.06	-0.07	-0.03	0.41
USGS 07380335 - Little Lake Near Cutoff	0.06	0.01	0.18	0.33	0.37	0.33	0.35	0.07	-0.11	-0.14	-0.13	0.21
USGS073802516 Barataria Pass at Grand Isle	0.08	0.02	0.27	0.38	0.34	0.17	0.20	0.03	-0.06	-0.09	-0.07	0.25
HWQ14 - Lake Washington	0.09	0.11	0.45	0.60	0.51	0.34	0.30	0.10	-0.01	-0.03	-0.02	0.24
HWQ16 - Bayou Grand Liard	-0.03	0.00	0.01	0.09	0.02	-0.08	-0.06	-0.05	-0.10	-0.11	-0.12	-0.03
CRMS 3985	0.08	0.32	0.70	0.70	0.63	0.39	0.12	-0.13	-0.11	-0.08	-0.05	0.05
CRMS 0258	0.07	-0.04	0.02	0.04	-0.01	0.34	0.67	0.23	-0.18	-0.16	-0.25	0.05
CRMS 0224	0.08	0.01	0.17	0.23	0.20	0.49	0.71	0.17	-0.15	-0.14	-0.16	0.20
CRMS 0163	-0.08	-0.26	-0.05	-0.08	-0.04	-0.05	-0.11	-0.07	-0.52	-0.55	-0.09	-0.03
CRMS 0162	-0.11	-0.15	-0.12	-0.09	-0.13	-0.06	-0.06	-0.19	-0.35	-0.25	-0.05	-0.17

Figure WQ TOTN 220 - Monthly Average Total Nitrogen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.45	1.30	1.20	0.96	0.84	0.71	0.67	0.75	0.79	0.79	1.04
CRMS0276 - Just east of Wilkinson Canal	1.26	1.61	1.76	1.81	1.83	1.70	1.33	1.01	1.39	1.26	1.12	1.19
Barataria Waterway at Lafitte (USACE82875)	1.63	1.85	1.92	1.90	1.97	1.99	1.90	1.79	1.85	1.72	1.56	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.48	1.35	1.39	1.15	0.98	0.70	0.65	0.90	0.89	0.78	1.04
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.45	1.32	0.99	0.73	0.67	0.64	0.66	0.72	0.74	0.85	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.09	1.38	1.38	1.21	0.94	0.80	0.72	0.66	0.77	0.77	0.73	0.95
USGS 07380335 - Little Lake Near Cutoff	1.04	1.37	1.44	1.34	1.08	0.94	0.85	0.74	0.84	0.85	0.76	0.93
USGS073802516 Barataria Pass at Grand Isle	1.04	1.32	1.33	1.18	0.95	0.83	0.78	0.70	0.69	0.72	0.69	0.88
HWQ14 - Lake Washington	1.19	1.36	1.27	0.95	0.74	0.66	0.62	0.60	0.60	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.95	1.27	1.40	1.40	1.29	1.11	0.99	0.80	0.83	0.76	0.70	0.81
CRMS 3985	1.41	1.48	1.36	0.91	0.67	0.63	0.63	0.72	0.81	0.81	0.97	1.26
CRMS 0258	1.27	1.59	1.61	1.68	1.51	1.32	0.87	0.80	1.35	1.16	0.98	1.19
CRMS 0224	1.15	1.49	1.50	1.54	1.32	1.08	0.75	0.68	1.09	0.97	0.82	1.06
CRMS 0163	1.77	1.88	1.95	1.91	1.99	2.00	1.95	1.85	1.86	1.73	1.70	1.77
CRMS 0162	1.70	1.69	1.77	1.78	1.82	1.90	2.00	1.80	1.48	1.38	1.12	1.35

V3PR6 HYST - cy 5 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.98	2.00	1.92	2.00	2.00	2.00	1.96	1.93	1.97	1.93	1.93
CRMS0276 - Just east of Wilkinson Canal	1.34	1.62	1.74	1.79	1.71	1.63	1.60	1.27	1.39	1.32	1.18	1.33
Barataria Waterway at Lafitte (USACE82875)	1.65	1.86	1.91	1.88	1.95	1.95	1.77	1.69	1.77	1.73	1.59	1.73
USGS2928590900040000 Barataria Waterway South of Lafitte	1.87	1.96	1.96	1.90	1.98	1.99	1.97	1.50	1.27	1.47	1.74	1.86
USGS7380251 Barataria Bay North of Grand Isle	1.62	1.72	1.83	1.78	1.86	1.81	1.71	1.20	1.02	1.06	1.05	1.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.59	1.74	1.89	1.82	1.91	1.89	1.86	1.39	1.08	1.26	1.03	1.33
USGS 07380335 - Little Lake Near Cutoff	1.39	1.65	1.83	1.78	1.83	1.75	1.70	1.22	1.04	1.20	0.93	1.20
USGS073802516 Barataria Pass at Grand Isle	1.38	1.60	1.77	1.67	1.58	1.46	1.47	1.08	0.95	1.06	0.87	1.13
HWQ14 - Lake Washington	1.48	1.64	1.68	1.57	1.45	1.35	1.35	1.09	0.89	0.98	0.92	1.21
HWQ16 - Bayou Grand Liard	1.07	1.42	1.64	1.63	1.48	1.31	1.15	0.92	0.91	0.87	0.76	0.97
CRMS 3985	1.53	1.63	1.68	1.57	1.52	1.40	1.39	1.07	0.87	0.88	0.98	1.28
CRMS 0258	1.58	1.72	1.82	1.80	1.84	1.83	1.81	1.47	1.35	1.32	1.15	1.34
CRMS 0224	1.55	1.71	1.84	1.80	1.86	1.86	1.84	1.41	1.17	1.29	1.04	1.30
CRMS 0163	1.75	1.87	1.94	1.88	1.97	1.97	1.83	1.79	1.79	1.68	1.70	1.73
CRMS 0162	1.61	1.58	1.73	1.73	1.76	1.86	1.98	1.69	1.29	1.24	1.15	1.34

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.52	0.70	0.72	1.04	1.17	1.29	1.29	1.19	1.18	1.14	0.88
CRMS0276 - Just east of Wilkinson Canal	0.08	0.01	-0.01	-0.01	-0.12	-0.07	0.27	0.26	0.00	0.06	0.05	0.13
Barataria Waterway at Lafitte (USACE82875)	0.02	0.00	0.00	-0.02	-0.02	-0.04	-0.13	-0.10	-0.08	0.01	0.04	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.47	0.61	0.51	0.83	1.01	1.27	0.86	0.37	0.58	0.96	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.27	0.50	0.79	1.12	1.14	1.07	0.54	0.30	0.32	0.20	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.50	0.36	0.51	0.60	0.97	1.10	1.14	0.73	0.31	0.49	0.30	0.37
USGS 07380335 - Little Lake Near Cutoff	0.36	0.28	0.39	0.43	0.74	0.81	0.84	0.48	0.20	0.35	0.18	0.27
USGS073802516 Barataria Pass at Grand Isle	0.34	0.29	0.44	0.50	0.64	0.63	0.69	0.39	0.26	0.35	0.19	0.26
HWQ14 - Lake Washington	0.30	0.27	0.41	0.62	0.71	0.69	0.72	0.49	0.28	0.35	0.20	0.25
HWQ16 - Bayou Grand Liard	0.12	0.15	0.24	0.22	0.19	0.20	0.16	0.12	0.08	0.10	0.06	0.16
CRMS 3985	0.12	0.16	0.32	0.66	0.85	0.77	0.76	0.35	0.07	0.07	0.01	0.02
CRMS 0258	0.32	0.13	0.21	0.11	0.34	0.51	0.94	0.67	0.00	0.16	0.17	0.16
CRMS 0224	0.40	0.22	0.34	0.26	0.54	0.78	1.09	0.73	0.09	0.32	0.21	0.24
CRMS 0163	-0.02	-0.01	-0.01	-0.03	-0.02	-0.04	-0.11	-0.06	-0.07	-0.05	0.00	-0.04
CRMS 0162	-0.10	-0.12	-0.04	-0.05	-0.06	-0.04	-0.01	-0.11	-0.19	-0.15	0.02	-0.01

Figure WQ TOTN 221 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.64	1.70	1.48	1.27	1.09	0.99	0.84	0.79	0.81	0.79	0.89	1.28
CRMS0276 - Just east of Wilkinson Canal	1.47	1.75	1.84	1.86	1.91	1.50	0.93	0.87	1.14	0.93	1.13	1.49
Barataria Waterway at Lafitte (USACE82875)	1.74	1.92	1.95	1.98	2.00	1.97	1.78	1.60	1.67	1.46	1.61	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.63	1.72	1.54	1.43	1.29	1.13	0.85	0.77	0.87	0.80	0.85	1.28
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.67	1.47	1.11	0.85	0.82	0.82	0.88	0.88	0.83	0.98	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.40	1.61	1.58	1.30	1.06	0.92	0.76	0.68	0.79	0.71	0.71	1.17
USGS 07380335 - Little Lake Near Cutoff	1.31	1.59	1.63	1.40	1.21	1.00	0.77	0.66	0.79	0.70	0.71	1.15
USGS073802516 Barataria Pass at Grand Isle	1.32	1.55	1.53	1.26	1.06	0.91	0.74	0.64	0.72	0.65	0.68	1.09
HWQ14 - Lake Washington	1.48	1.61	1.45	1.08	0.85	0.79	0.74	0.70	0.74	0.71	0.79	1.17
HWQ16 - Bayou Grand Liard	1.11	1.44	1.53	1.41	1.38	1.02	0.70	0.64	0.73	0.60	0.69	1.04
CRMS 3985	1.65	1.67	1.49	1.06	0.80	0.78	0.86	1.03	0.99	0.93	1.11	1.43
CRMS 0258	1.59	1.76	1.75	1.71	1.66	1.37	0.90	0.78	1.15	0.92	0.96	1.49
CRMS 0224	1.48	1.69	1.67	1.57	1.47	1.17	0.80	0.71	0.98	0.80	0.79	1.32
CRMS 0163	1.83	1.93	1.97	1.99	2.02	1.97	1.83	1.72	1.69	1.42	1.79	1.89
CRMS 0162	1.73	1.83	1.83	1.77	1.83	1.79	1.90	1.53	1.03	0.87	1.25	1.68

V3PR6 HYST - cy 5 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.99	2.00	2.01	2.02	2.01	1.91	1.90	1.87	1.87	1.88	1.93
CRMS0276 - Just east of Wilkinson Canal	1.45	1.71	1.78	1.79	1.78	1.36	0.83	0.77	0.96	0.74	1.04	1.45
Barataria Waterway at Lafitte (USACE82875)	1.68	1.88	1.93	1.95	1.97	1.90	1.72	1.53	1.26	1.14	1.60	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.99	1.94	1.98	1.99	2.00	1.67	1.18	1.13	0.95	1.09	1.51	1.85
USGS7380251 Barataria Bay North of Grand Isle	1.69	1.79	1.86	1.86	1.89	1.20	0.90	0.85	0.87	0.84	0.96	1.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.72	1.86	1.91	1.92	1.94	1.29	0.85	0.74	0.77	0.73	0.80	1.52
USGS 07380335 - Little Lake Near Cutoff	1.55	1.79	1.86	1.85	1.87	1.24	0.75	0.62	0.70	0.62	0.69	1.35
USGS073802516 Barataria Pass at Grand Isle	1.53	1.74	1.80	1.71	1.65	1.14	0.72	0.59	0.67	0.61	0.68	1.24
HWQ14 - Lake Washington	1.59	1.69	1.70	1.59	1.52	1.08	0.79	0.69	0.73	0.71	0.79	1.26
HWQ16 - Bayou Grand Liard	1.15	1.57	1.68	1.63	1.54	1.07	0.63	0.57	0.65	0.52	0.63	1.03
CRMS 3985	1.59	1.67	1.72	1.59	1.58	1.06	0.85	0.87	0.92	0.87	0.92	1.39
CRMS 0258	1.71	1.79	1.85	1.88	1.88	1.35	0.93	0.79	0.89	0.76	0.81	1.56
CRMS 0224	1.69	1.81	1.87	1.89	1.90	1.30	0.85	0.73	0.82	0.70	0.73	1.51
CRMS 0163	1.77	1.90	1.95	1.93	1.99	1.88	1.78	1.59	1.17	1.07	1.77	1.85
CRMS 0162	1.63	1.74	1.77	1.70	1.75	1.65	1.71	1.38	0.82	0.76	1.19	1.48

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.33	0.29	0.53	0.74	0.93	1.03	1.07	1.11	1.07	1.08	0.99	0.65
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.05	-0.06	-0.07	-0.13	-0.14	-0.10	-0.10	-0.18	-0.20	-0.09	-0.04
Barataria Waterway at Lafitte (USACE82875)	-0.05	-0.04	-0.03	-0.03	-0.04	-0.07	-0.05	-0.07	-0.42	-0.32	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.36	0.22	0.43	0.56	0.71	0.53	0.33	0.36	0.09	0.29	0.66	0.57
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.12	0.39	0.75	1.03	0.39	0.08	-0.03	-0.01	0.01	-0.02	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.25	0.33	0.62	0.87	0.37	0.09	0.06	-0.02	0.02	0.09	0.34
USGS 07380335 - Little Lake Near Cutoff	0.24	0.20	0.24	0.45	0.66	0.24	-0.02	-0.04	-0.08	-0.08	-0.02	0.20
USGS073802516 Barataria Pass at Grand Isle	0.20	0.19	0.26	0.45	0.59	0.23	-0.02	-0.05	-0.05	-0.05	0.00	0.15
HWQ14 - Lake Washington	0.11	0.08	0.26	0.51	0.67	0.29	0.05	-0.01	0.00	0.00	-0.01	0.09
HWQ16 - Bayou Grand Liard	0.05	0.13	0.15	0.22	0.16	0.05	-0.07	-0.07	-0.08	-0.07	-0.06	-0.01
CRMS 3985	-0.06	0.00	0.23	0.54	0.79	0.28	-0.01	-0.16	-0.07	-0.07	-0.19	-0.04
CRMS 0258	0.12	0.02	0.11	0.17	0.22	-0.02	0.03	0.01	-0.26	-0.17	-0.15	0.07
CRMS 0224	0.21	0.12	0.20	0.32	0.43	0.12	0.05	0.02	-0.16	-0.10	-0.07	0.19
CRMS 0163	-0.05	-0.04	-0.02	-0.06	-0.02	-0.09	-0.05	-0.13	-0.52	-0.35	-0.02	-0.04
CRMS 0162	-0.10	-0.09	-0.06	-0.07	-0.08	-0.14	-0.18	-0.15	-0.21	-0.11	-0.07	-0.19

Figure WQ TOTN 222 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.60	1.53	1.05	1.08	0.96	0.87	0.77	0.76	0.74	0.74	1.04	1.37
CRMS0276 - Just east of Wilkinson Canal	1.34	1.67	1.65	1.67	1.63	1.33	0.74	0.63	0.88	0.96	1.33	1.48
Barataria Waterway at Lafitte (USACE82875)	1.64	1.89	1.92	1.90	1.89	1.94	1.46	1.16	1.11	1.65	1.73	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.58	1.61	1.21	1.30	1.15	1.02	0.76	0.72	0.72	0.71	1.02	1.36
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.37	0.93	0.87	0.75	0.74	0.88	0.91	0.87	0.83	1.08	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.33	1.50	1.24	1.06	0.89	0.82	0.68	0.59	0.67	0.64	0.86	1.29
USGS 07380335 - Little Lake Near Cutoff	1.22	1.49	1.33	1.16	0.98	0.88	0.65	0.53	0.64	0.62	0.87	1.25
USGS073802516 Barataria Pass at Grand Isle	1.26	1.44	1.21	1.00	0.86	0.80	0.64	0.54	0.62	0.59	0.79	1.20
HWQ14 - Lake Washington	1.47	1.42	0.99	0.81	0.72	0.71	0.72	0.67	0.71	0.68	0.88	1.29
HWQ16 - Bayou Grand Liard	1.01	1.34	1.27	1.17	1.05	0.87	0.57	0.53	0.61	0.56	0.80	1.07
CRMS 3985	1.57	1.22	0.91	0.82	0.71	0.77	1.04	1.09	1.00	0.96	1.20	1.50
CRMS 0258	1.50	1.71	1.51	1.61	1.50	1.20	0.75	0.67	0.89	0.86	1.25	1.50
CRMS 0224	1.40	1.62	1.40	1.41	1.26	1.05	0.71	0.62	0.77	0.73	1.02	1.39
CRMS 0163	1.75	1.90	1.94	1.84	1.93	1.87	1.58	1.39	1.12	1.66	1.85	1.86
CRMS 0162	1.56	1.67	1.50	1.44	1.47	1.42	1.40	1.13	0.74	1.03	1.41	1.61

V3PR6 HYST - cy 5 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.90	1.98	1.99	1.95	1.95	1.91	1.91	1.90	1.85	1.82	1.87	1.89
CRMS0276 - Just east of Wilkinson Canal	1.21	1.59	1.58	1.65	1.46	1.19	0.63	0.54	0.97	1.06	1.30	1.42
Barataria Waterway at Lafitte (USACE82875)	1.57	1.81	1.91	1.86	1.82	1.92	1.34	0.97	1.56	1.61	1.73	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.73	1.93	1.87	1.65	1.67	0.87	0.97	0.98	0.84	0.94	1.38	1.72
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.64	1.57	1.30	1.32	0.77	0.72	0.78	0.79	0.79	0.94	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.25	1.71	1.61	1.43	1.60	0.82	0.67	0.62	0.73	0.74	0.97	1.24
USGS 07380335 - Little Lake Near Cutoff	1.11	1.59	1.48	1.43	1.42	0.83	0.58	0.50	0.69	0.72	0.94	1.19
USGS073802516 Barataria Pass at Grand Isle	1.09	1.53	1.44	1.31	1.15	0.76	0.56	0.49	0.62	0.65	0.83	1.08
HWQ14 - Lake Washington	1.20	1.53	1.43	1.20	1.03	0.73	0.64	0.60	0.66	0.67	0.82	0.98
HWQ16 - Bayou Grand Liard	0.94	1.32	1.26	1.26	1.06	0.80	0.50	0.50	0.62	0.65	0.83	1.00
CRMS 3985	1.33	1.53	1.45	1.16	0.99	0.74	0.75	0.88	0.87	0.84	0.81	0.91
CRMS 0258	1.32	1.68	1.51	1.59	1.45	1.01	0.70	0.63	0.86	0.90	1.22	1.49
CRMS 0224	1.23	1.67	1.54	1.51	1.51	0.91	0.66	0.59	0.78	0.79	1.04	1.35
CRMS 0163	1.67	1.81	1.92	1.77	1.87	1.83	1.38	1.07	1.57	1.65	1.83	1.84
CRMS 0162	1.44	1.49	1.43	1.30	1.31	1.24	1.04	0.90	0.88	1.20	1.30	1.46

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.45	0.94	0.87	0.99	1.03	1.14	1.14	1.12	1.08	0.83	0.51
CRMS0276 - Just east of Wilkinson Canal	-0.13	-0.08	-0.08	-0.02	-0.17	-0.14	-0.11	-0.09	0.09	0.10	-0.02	-0.06
Barataria Waterway at Lafitte (USACE82875)	-0.07	-0.08	-0.01	-0.04	-0.07	-0.02	-0.11	-0.19	0.46	-0.04	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.31	0.66	0.36	0.52	-0.15	0.21	0.26	0.12	0.23	0.36	0.35
USGS7380251 Barataria Bay North of Grand Isle	-0.23	0.27	0.64	0.43	0.57	0.03	-0.16	-0.13	-0.08	-0.04	-0.15	-0.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.08	0.22	0.37	0.37	0.71	0.00	-0.01	0.03	0.05	0.10	0.11	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.11	0.10	0.15	0.27	0.44	-0.06	-0.07	-0.03	0.05	0.10	0.06	-0.06
USGS073802516 Barataria Pass at Grand Isle	-0.17	0.09	0.24	0.31	0.29	-0.04	-0.08	-0.05	0.00	0.06	0.04	-0.13
HWQ14 - Lake Washington	-0.27	0.12	0.44	0.39	0.31	0.03	-0.08	-0.06	-0.05	0.00	-0.06	-0.31
HWQ16 - Bayou Grand Liard	-0.07	-0.02	-0.01	0.09	0.01	-0.07	-0.07	-0.03	0.01	0.09	0.02	-0.07
CRMS 3985	-0.23	0.31	0.54	0.34	0.28	-0.03	-0.29	-0.21	-0.13	-0.12	-0.39	-0.59
CRMS 0258	-0.18	-0.03	0.00	-0.02	-0.05	-0.19	-0.06	-0.04	-0.04	0.03	-0.03	-0.02
CRMS 0224	-0.17	0.05	0.14	0.10	0.25	-0.14	-0.05	-0.02	0.01	0.06	0.02	-0.04
CRMS 0163	-0.08	-0.09	-0.01	-0.07	-0.07	-0.05	-0.20	-0.33	0.45	-0.01	-0.02	-0.02
CRMS 0162	-0.12	-0.18	-0.07	-0.15	-0.16	-0.18	-0.36	-0.23	0.14	0.17	-0.11	-0.15

Figure WQ TOTN 223 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.61	1.71	1.46	1.24	1.05	1.01	0.91	0.89	0.96	0.90	0.99	1.30
CRMS0276 - Just east of Wilkinson Canal	1.45	1.80	1.82	1.84	1.78	1.70	1.24	1.12	1.41	1.18	1.20	1.35
Barataria Waterway at Lafitte (USACE82875)	1.76	1.94	1.96	1.96	1.95	1.99	1.88	1.84	1.83	1.71	1.61	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.59	1.74	1.51	1.42	1.24	1.18	0.89	0.86	1.07	0.96	0.96	1.29
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.68	1.47	1.08	0.84	0.82	0.92	0.95	0.95	0.90	1.04	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.64	1.55	1.27	0.99	0.93	0.82	0.79	0.93	0.84	0.85	1.17
USGS 07380335 - Little Lake Near Cutoff	1.30	1.62	1.59	1.38	1.10	1.05	0.87	0.83	0.95	0.86	0.85	1.12
USGS073802516 Barataria Pass at Grand Isle	1.31	1.57	1.51	1.23	0.97	0.92	0.82	0.79	0.84	0.78	0.80	1.09
HWQ14 - Lake Washington	1.47	1.62	1.44	1.04	0.82	0.77	0.78	0.77	0.80	0.77	0.88	1.21
HWQ16 - Bayou Grand Liard	1.13	1.49	1.49	1.37	1.20	1.14	0.91	0.84	0.88	0.73	0.75	0.97
CRMS 3985	1.64	1.68	1.49	1.03	0.79	0.80	1.02	1.08	1.04	0.98	1.15	1.47
CRMS 0258	1.53	1.79	1.71	1.72	1.58	1.44	0.99	0.95	1.44	1.12	1.12	1.37
CRMS 0224	1.44	1.72	1.64	1.57	1.36	1.23	0.86	0.83	1.20	0.98	0.95	1.26
CRMS 0163	1.86	1.95	1.97	1.93	1.99	1.99	1.92	1.88	1.87	1.72	1.75	1.83
CRMS 0162	1.81	1.87	1.75	1.70	1.69	1.87	1.98	1.82	1.42	1.22	1.18	1.45

V3PR6 HYST - cy 5 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.95	1.90	1.89	1.94	1.90
CRMS0276 - Just east of Wilkinson Canal	1.47	1.75	1.77	1.78	1.63	1.58	1.48	1.35	1.33	1.10	1.18	1.28
Barataria Waterway at Lafitte (USACE82875)	1.69	1.90	1.93	1.91	1.87	1.93	1.73	1.69	1.78	1.61	1.64	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.92	1.96	1.98	1.99	2.01	1.97	1.94	1.53	0.99	1.14	1.66	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.72	1.83	1.87	1.81	1.77	1.69	1.58	1.26	0.91	0.85	0.94	1.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.80	1.88	1.93	1.90	1.88	1.85	1.82	1.45	0.95	0.85	0.97	1.22
USGS 07380335 - Little Lake Near Cutoff	1.61	1.82	1.88	1.82	1.75	1.68	1.60	1.33	0.95	0.81	0.88	1.12
USGS073802516 Barataria Pass at Grand Isle	1.55	1.77	1.81	1.68	1.50	1.38	1.36	1.20	0.86	0.75	0.81	1.04
HWQ14 - Lake Washington	1.54	1.72	1.72	1.55	1.37	1.29	1.24	1.14	0.83	0.75	0.84	1.05
HWQ16 - Bayou Grand Liard	1.19	1.63	1.63	1.56	1.36	1.25	1.01	0.93	0.86	0.70	0.74	0.91
CRMS 3985	1.56	1.70	1.71	1.53	1.42	1.30	1.23	1.08	0.88	0.85	0.82	1.14
CRMS 0258	1.74	1.82	1.90	1.86	1.79	1.77	1.76	1.50	1.29	1.01	1.15	1.34
CRMS 0224	1.74	1.84	1.91	1.87	1.82	1.82	1.80	1.47	1.11	0.90	1.00	1.26
CRMS 0163	1.78	1.92	1.95	1.86	1.95	1.93	1.79	1.80	1.75	1.56	1.75	1.72
CRMS 0162	1.72	1.81	1.67	1.60	1.59	1.81	1.92	1.70	1.18	1.04	1.15	1.32

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.29	0.54	0.76	0.95	0.99	1.08	1.06	0.95	0.99	0.95	0.59
CRMS0276 - Just east of Wilkinson Canal	0.02	-0.05	-0.05	-0.06	-0.15	-0.13	0.24	0.23	-0.08	-0.09	-0.02	-0.08
Barataria Waterway at Lafitte (USACE82875)	-0.07	-0.03	-0.03	-0.04	-0.08	-0.06	-0.15	-0.15	-0.06	-0.09	0.03	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.33	0.22	0.47	0.57	0.77	0.79	1.05	0.67	-0.07	0.18	0.69	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.15	0.40	0.73	0.92	0.87	0.66	0.30	-0.04	-0.04	-0.11	-0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.42	0.24	0.38	0.62	0.88	0.92	1.00	0.66	0.02	0.01	0.12	0.05
USGS 07380335 - Little Lake Near Cutoff	0.31	0.20	0.29	0.44	0.65	0.63	0.73	0.50	0.00	-0.05	0.03	0.00
USGS073802516 Barataria Pass at Grand Isle	0.24	0.20	0.30	0.45	0.53	0.46	0.54	0.41	0.02	-0.03	0.01	-0.05
HWQ14 - Lake Washington	0.07	0.10	0.28	0.50	0.55	0.52	0.45	0.36	0.02	-0.02	-0.05	-0.16
HWQ16 - Bayou Grand Liard	0.06	0.13	0.14	0.19	0.16	0.11	0.11	0.09	-0.02	-0.03	-0.02	-0.05
CRMS 3985	-0.08	0.02	0.22	0.49	0.62	0.49	0.21	0.00	-0.16	-0.13	-0.34	-0.33
CRMS 0258	0.21	0.03	0.19	0.13	0.21	0.33	0.78	0.54	-0.15	-0.11	0.03	-0.03
CRMS 0224	0.31	0.11	0.27	0.31	0.45	0.59	0.94	0.64	-0.10	-0.08	0.04	0.00
CRMS 0163	-0.08	-0.03	-0.03	-0.07	-0.05	-0.06	-0.12	-0.08	-0.12	-0.16	0.00	-0.11
CRMS 0162	-0.09	-0.06	-0.08	-0.10	-0.10	-0.06	-0.06	-0.13	-0.24	-0.18	-0.03	-0.13

Figure WQ TOTN 224 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.66	1.57	1.24	1.18	1.07	0.98	0.88	0.87	0.89	0.87	0.94	1.32
CRMS0276 - Just east of Wilkinson Canal	1.53	1.59	1.74	1.83	1.83	1.67	1.22	1.02	1.34	1.09	1.14	1.61
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.93	1.96	1.89	1.96	1.88	1.76	1.82	1.64	1.60	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.67	1.64	1.39	1.41	1.32	1.13	0.85	0.82	0.99	0.92	0.91	1.33
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.44	1.06	0.89	0.77	0.78	0.88	0.93	0.92	0.88	1.00	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.45	1.53	1.38	1.21	1.03	0.92	0.79	0.76	0.88	0.81	0.77	1.23
USGS 07380335 - Little Lake Near Cutoff	1.37	1.49	1.46	1.35	1.20	1.05	0.85	0.78	0.90	0.82	0.76	1.23
USGS073802516 Barataria Pass at Grand Isle	1.38	1.47	1.33	1.17	1.02	0.94	0.82	0.75	0.80	0.74	0.73	1.14
HWQ14 - Lake Washington	1.52	1.48	1.14	0.88	0.77	0.76	0.76	0.75	0.78	0.76	0.83	1.20
HWQ16 - Bayou Grand Liard	1.17	1.30	1.37	1.37	1.35	1.21	0.94	0.79	0.84	0.69	0.70	1.13
CRMS 3985	1.57	1.33	0.93	0.76	0.69	0.75	0.97	1.06	1.02	0.96	1.12	1.45
CRMS 0258	1.65	1.67	1.65	1.73	1.72	1.31	0.94	0.91	1.35	1.07	1.02	1.55
CRMS 0224	1.54	1.60	1.54	1.56	1.50	1.16	0.83	0.79	1.13	0.94	0.86	1.39
CRMS 0163	1.83	1.87	1.95	1.97	1.90	1.98	1.93	1.84	1.85	1.63	1.76	1.91
CRMS 0162	1.65	1.44	1.71	1.74	1.76	1.92	1.99	1.78	1.30	1.05	1.19	1.80

V3PR6 HYST - cy 5 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.03	1.96	1.98	2.00	1.89	1.98	2.00	1.92	1.88	1.89	1.93	1.98
CRMS0276 - Just east of Wilkinson Canal	1.54	1.54	1.63	1.78	1.76	1.59	1.50	1.14	1.23	0.93	1.05	1.58
Barataria Waterway at Lafitte (USACE82875)	1.73	1.73	1.88	1.92	1.83	1.90	1.72	1.72	1.63	1.35	1.60	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.70	2.17	1.93	1.97	1.86	1.96	1.95	1.19	1.01	1.16	1.62	1.93
USGS7380251 Barataria Bay North of Grand Isle	1.73	1.70	1.78	1.82	1.75	1.79	1.60	1.02	0.90	0.87	0.94	1.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.71	1.65	1.83	1.89	1.79	1.86	1.82	1.05	0.90	0.83	0.87	1.83
USGS 07380335 - Little Lake Near Cutoff	1.54	1.55	1.75	1.83	1.74	1.72	1.61	0.99	0.88	0.77	0.73	1.69
USGS073802516 Barataria Pass at Grand Isle	1.53	1.53	1.70	1.71	1.58	1.43	1.37	0.93	0.80	0.72	0.72	1.58
HWQ14 - Lake Washington	1.62	1.63	1.64	1.60	1.46	1.33	1.26	0.96	0.80	0.76	0.80	1.40
HWQ16 - Bayou Grand Liard	1.21	1.32	1.50	1.60	1.51	1.30	1.06	0.83	0.80	0.64	0.65	1.26
CRMS 3985	1.63	1.65	1.66	1.58	1.51	1.40	1.26	0.98	0.91	0.88	0.82	1.38
CRMS 0258	1.82	1.67	1.75	1.85	1.76	1.80	1.76	1.16	1.18	0.94	0.89	1.72
CRMS 0224	1.72	1.64	1.77	1.87	1.76	1.83	1.81	1.05	1.04	0.86	0.80	1.74
CRMS 0163	1.78	1.70	1.91	1.90	1.86	1.92	1.80	1.81	1.59	1.28	1.76	1.89
CRMS 0162	1.58	1.31	1.62	1.67	1.67	1.88	1.95	1.65	1.06	0.88	1.17	1.69

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.40	0.74	0.82	0.82	1.00	1.12	1.05	0.99	1.02	0.99	0.66
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.05	-0.11	-0.05	-0.06	-0.08	0.28	0.11	-0.11	-0.16	-0.08	-0.03
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.13	-0.05	-0.04	-0.07	-0.06	-0.16	-0.04	-0.19	-0.30	0.00	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	0.53	0.54	0.57	0.54	0.84	1.10	0.37	0.02	0.24	0.72	0.59
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.26	0.71	0.94	0.98	1.00	0.72	0.09	-0.02	-0.01	-0.06	0.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.12	0.45	0.68	0.76	0.94	1.03	0.29	0.02	0.02	0.11	0.60
USGS 07380335 - Little Lake Near Cutoff	0.17	0.06	0.30	0.49	0.55	0.67	0.76	0.21	-0.01	-0.05	-0.02	0.46
USGS073802516 Barataria Pass at Grand Isle	0.15	0.07	0.37	0.54	0.56	0.49	0.55	0.17	0.00	-0.03	-0.01	0.43
HWQ14 - Lake Washington	0.10	0.14	0.50	0.72	0.69	0.57	0.50	0.21	0.02	0.00	-0.03	0.19
HWQ16 - Bayou Grand Liard	0.04	0.02	0.13	0.23	0.16	0.09	0.12	0.04	-0.04	-0.04	-0.05	0.13
CRMS 3985	0.05	0.33	0.74	0.82	0.82	0.65	0.29	-0.08	-0.11	-0.09	-0.30	-0.07
CRMS 0258	0.17	0.00	0.10	0.12	0.04	0.48	0.83	0.25	-0.17	-0.13	-0.13	0.17
CRMS 0224	0.19	0.04	0.23	0.31	0.26	0.67	0.98	0.26	-0.09	-0.08	-0.06	0.36
CRMS 0163	-0.05	-0.17	-0.04	-0.08	-0.04	-0.06	-0.13	-0.03	-0.26	-0.35	0.00	-0.01
CRMS 0162	-0.08	-0.13	-0.09	-0.07	-0.09	-0.04	-0.04	-0.13	-0.25	-0.18	-0.02	-0.11

Figure WQ TOTN 225 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.45	1.30	1.20	0.96	0.84	0.71	0.67	0.75	0.79	0.79	1.04
CRMS0276 - Just east of Wilkinson Canal	1.26	1.61	1.76	1.81	1.83	1.70	1.33	1.01	1.39	1.26	1.12	1.19
Barataria Waterway at Lafitte (USACE82875)	1.63	1.85	1.92	1.90	1.97	1.99	1.90	1.79	1.85	1.72	1.56	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.48	1.35	1.39	1.15	0.98	0.70	0.65	0.90	0.89	0.78	1.04
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.45	1.32	0.99	0.73	0.67	0.64	0.66	0.72	0.74	0.85	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.09	1.38	1.38	1.21	0.94	0.80	0.72	0.66	0.77	0.77	0.73	0.95
USGS 07380335 - Little Lake Near Cutoff	1.04	1.37	1.44	1.34	1.08	0.94	0.85	0.74	0.84	0.85	0.76	0.93
USGS073802516 Barataria Pass at Grand Isle	1.04	1.32	1.33	1.18	0.95	0.83	0.78	0.70	0.69	0.72	0.69	0.88
HWQ14 - Lake Washington	1.19	1.36	1.27	0.95	0.74	0.66	0.62	0.60	0.60	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.95	1.27	1.40	1.40	1.29	1.11	0.99	0.80	0.83	0.76	0.70	0.81
CRMS 3985	1.41	1.48	1.36	0.91	0.67	0.63	0.63	0.72	0.81	0.81	0.97	1.26
CRMS 0258	1.27	1.59	1.61	1.68	1.51	1.32	0.87	0.80	1.35	1.16	0.98	1.19
CRMS 0224	1.15	1.49	1.50	1.54	1.32	1.08	0.75	0.68	1.09	0.97	0.82	1.06
CRMS 0163	1.77	1.88	1.95	1.91	1.99	2.00	1.95	1.85	1.86	1.73	1.70	1.77
CRMS 0162	1.70	1.69	1.77	1.78	1.82	1.90	2.00	1.80	1.48	1.38	1.12	1.35

V3PR7 HYST - cy 5 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.93	1.98	2.00	1.92	2.00	2.00	2.00	1.95	1.92	1.96	1.92	1.92
CRMS0276 - Just east of Wilkinson Canal	1.31	1.62	1.75	1.79	1.72	1.65	1.62	1.27	1.41	1.33	1.18	1.18
Barataria Waterway at Lafitte (USACE82875)	1.63	1.86	1.91	1.88	1.95	1.96	1.79	1.69	1.80	1.73	1.59	1.65
USGS2928590900040000 Barataria Waterway South of Lafitte	1.86	1.93	1.95	1.89	1.98	1.98	1.95	1.51	1.31	1.48	1.76	1.89
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.71	1.82	1.76	1.84	1.79	1.68	1.18	1.02	1.05	1.04	1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.57	1.73	1.88	1.82	1.91	1.90	1.86	1.37	1.09	1.26	1.03	1.30
USGS 07380335 - Little Lake Near Cutoff	1.37	1.65	1.83	1.78	1.83	1.76	1.70	1.21	1.04	1.21	0.94	1.14
USGS073802516 Barataria Pass at Grand Isle	1.35	1.59	1.77	1.67	1.58	1.44	1.46	1.07	0.95	1.06	0.87	1.09
HWQ14 - Lake Washington	1.47	1.63	1.67	1.56	1.42	1.31	1.31	1.06	0.88	0.97	0.92	1.20
HWQ16 - Bayou Grand Liard	1.02	1.41	1.64	1.63	1.48	1.32	1.16	0.92	0.92	0.88	0.77	0.88
CRMS 3985	1.53	1.63	1.67	1.54	1.46	1.33	1.33	1.05	0.87	0.86	0.98	1.27
CRMS 0258	1.57	1.71	1.83	1.80	1.86	1.85	1.82	1.47	1.35	1.34	1.15	1.33
CRMS 0224	1.54	1.71	1.85	1.81	1.88	1.88	1.86	1.43	1.18	1.31	1.04	1.28
CRMS 0163	1.74	1.87	1.94	1.88	1.98	1.97	1.85	1.80	1.81	1.69	1.71	1.68
CRMS 0162	1.60	1.58	1.72	1.73	1.75	1.82	1.98	1.70	1.29	1.26	1.12	1.24

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.52	0.70	0.72	1.04	1.17	1.29	1.28	1.18	1.17	1.13	0.88
CRMS0276 - Just east of Wilkinson Canal	0.05	0.01	-0.01	-0.01	-0.11	-0.05	0.29	0.26	0.02	0.07	0.05	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.02	-0.03	-0.12	-0.10	-0.06	0.01	0.03	-0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.56	0.45	0.60	0.50	0.83	1.00	1.25	0.86	0.41	0.59	0.98	0.85
USGS7380251 Barataria Bay North of Grand Isle	0.26	0.27	0.49	0.78	1.11	1.12	1.03	0.52	0.29	0.31	0.19	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.48	0.35	0.50	0.60	0.97	1.10	1.14	0.71	0.32	0.49	0.30	0.34
USGS 07380335 - Little Lake Near Cutoff	0.33	0.27	0.39	0.43	0.75	0.82	0.85	0.48	0.21	0.36	0.18	0.22
USGS073802516 Barataria Pass at Grand Isle	0.31	0.28	0.44	0.49	0.63	0.62	0.68	0.38	0.26	0.35	0.19	0.21
HWQ14 - Lake Washington	0.28	0.26	0.41	0.61	0.68	0.66	0.68	0.47	0.28	0.34	0.20	0.24
HWQ16 - Bayou Grand Liard	0.08	0.14	0.24	0.23	0.20	0.21	0.17	0.12	0.09	0.12	0.07	0.07
CRMS 3985	0.11	0.15	0.30	0.63	0.79	0.70	0.70	0.33	0.06	0.05	0.00	0.02
CRMS 0258	0.30	0.12	0.22	0.11	0.35	0.53	0.95	0.67	0.00	0.17	0.17	0.14
CRMS 0224	0.39	0.22	0.35	0.27	0.56	0.80	1.11	0.74	0.10	0.33	0.22	0.22
CRMS 0163	-0.03	-0.01	-0.01	-0.03	-0.02	-0.03	-0.10	-0.05	-0.05	-0.04	0.01	-0.09
CRMS 0162	-0.10	-0.11	-0.05	-0.05	-0.07	-0.07	-0.01	-0.10	-0.19	-0.12	0.00	-0.11

Figure WQ TOTN 226 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.64	1.70	1.48	1.27	1.09	0.99	0.84	0.79	0.81	0.79	0.89	1.28
CRMS0276 - Just east of Wilkinson Canal	1.47	1.75	1.84	1.86	1.91	1.50	0.93	0.87	1.14	0.93	1.13	1.49
Barataria Waterway at Lafitte (USACE82875)	1.74	1.92	1.95	1.98	2.00	1.97	1.78	1.60	1.67	1.46	1.61	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.63	1.72	1.54	1.43	1.29	1.13	0.85	0.77	0.87	0.80	0.85	1.28
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.67	1.47	1.11	0.85	0.82	0.82	0.88	0.88	0.83	0.98	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.40	1.61	1.58	1.30	1.06	0.92	0.76	0.68	0.79	0.71	0.71	1.17
USGS 07380335 - Little Lake Near Cutoff	1.31	1.59	1.63	1.40	1.21	1.00	0.77	0.66	0.79	0.70	0.71	1.15
USGS073802516 Barataria Pass at Grand Isle	1.32	1.55	1.53	1.26	1.06	0.91	0.74	0.64	0.72	0.65	0.68	1.09
HWQ14 - Lake Washington	1.48	1.61	1.45	1.08	0.85	0.79	0.74	0.70	0.74	0.71	0.79	1.17
HWQ16 - Bayou Grand Liard	1.11	1.44	1.53	1.41	1.38	1.02	0.70	0.64	0.73	0.60	0.69	1.04
CRMS 3985	1.65	1.67	1.49	1.06	0.80	0.78	0.86	1.03	0.99	0.93	1.11	1.43
CRMS 0258	1.59	1.76	1.75	1.71	1.66	1.37	0.90	0.78	1.15	0.92	0.96	1.49
CRMS 0224	1.48	1.69	1.67	1.57	1.47	1.17	0.80	0.71	0.98	0.80	0.79	1.32
CRMS 0163	1.83	1.93	1.97	1.99	2.02	1.97	1.83	1.72	1.69	1.42	1.79	1.89
CRMS 0162	1.73	1.83	1.83	1.77	1.83	1.79	1.90	1.53	1.03	0.87	1.25	1.68

V3PR7 HYST - cy 5 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.96	1.99	2.00	2.01	2.02	2.00	1.89	1.88	1.85	1.85	1.87	1.93
CRMS0276 - Just east of Wilkinson Canal	1.47	1.71	1.78	1.80	1.79	1.36	0.84	0.79	0.97	0.74	1.04	1.47
Barataria Waterway at Lafitte (USACE82875)	1.69	1.88	1.93	1.94	1.97	1.90	1.73	1.56	1.27	1.15	1.59	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.98	1.93	1.97	1.98	2.00	1.65	1.22	1.16	0.99	1.11	1.51	1.85
USGS7380251 Barataria Bay North of Grand Isle	1.68	1.79	1.85	1.85	1.87	1.17	0.88	0.83	0.86	0.83	0.96	1.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.71	1.86	1.91	1.92	1.94	1.28	0.84	0.73	0.77	0.73	0.80	1.52
USGS 07380335 - Little Lake Near Cutoff	1.56	1.79	1.87	1.86	1.88	1.24	0.74	0.62	0.71	0.62	0.69	1.36
USGS073802516 Barataria Pass at Grand Isle	1.53	1.74	1.80	1.71	1.64	1.13	0.71	0.60	0.67	0.61	0.68	1.24
HWQ14 - Lake Washington	1.59	1.69	1.70	1.57	1.48	1.05	0.78	0.68	0.73	0.70	0.79	1.26
HWQ16 - Bayou Grand Liard	1.17	1.57	1.68	1.62	1.55	1.07	0.63	0.59	0.66	0.52	0.63	1.04
CRMS 3985	1.58	1.66	1.69	1.55	1.51	1.03	0.84	0.86	0.91	0.86	0.92	1.38
CRMS 0258	1.72	1.80	1.86	1.88	1.89	1.37	0.94	0.81	0.90	0.76	0.82	1.58
CRMS 0224	1.71	1.83	1.88	1.90	1.91	1.31	0.86	0.74	0.83	0.71	0.74	1.53
CRMS 0163	1.78	1.90	1.95	1.93	1.99	1.88	1.78	1.61	1.19	1.07	1.77	1.85
CRMS 0162	1.63	1.74	1.76	1.70	1.76	1.66	1.73	1.39	0.83	0.75	1.19	1.49

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.33	0.29	0.53	0.74	0.93	1.01	1.05	1.10	1.05	1.06	0.98	0.65
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.04	-0.06	-0.06	-0.12	-0.14	-0.10	-0.08	-0.17	-0.19	-0.09	-0.03
Barataria Waterway at Lafitte (USACE82875)	-0.05	-0.04	-0.03	-0.04	-0.04	-0.07	-0.05	-0.03	-0.41	-0.31	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.35	0.21	0.43	0.55	0.71	0.52	0.37	0.40	0.12	0.31	0.66	0.57
USGS7380251 Barataria Bay North of Grand Isle	0.07	0.12	0.38	0.73	1.01	0.36	0.06	-0.04	-0.02	0.00	-0.02	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.24	0.33	0.62	0.87	0.36	0.08	0.05	-0.02	0.02	0.09	0.34
USGS 07380335 - Little Lake Near Cutoff	0.25	0.21	0.24	0.45	0.67	0.24	-0.02	-0.03	-0.08	-0.08	-0.02	0.21
USGS073802516 Barataria Pass at Grand Isle	0.21	0.19	0.26	0.44	0.59	0.22	-0.03	-0.05	-0.05	-0.05	0.00	0.15
HWQ14 - Lake Washington	0.10	0.08	0.25	0.49	0.64	0.26	0.04	-0.02	-0.01	0.00	-0.01	0.09
HWQ16 - Bayou Grand Liard	0.06	0.13	0.15	0.21	0.17	0.05	-0.07	-0.05	-0.07	-0.07	-0.05	0.00
CRMS 3985	-0.06	-0.01	0.21	0.49	0.72	0.25	-0.02	-0.17	-0.08	-0.07	-0.19	-0.05
CRMS 0258	0.13	0.04	0.11	0.17	0.23	0.00	0.04	0.02	-0.25	-0.16	-0.14	0.09
CRMS 0224	0.23	0.13	0.21	0.33	0.45	0.14	0.06	0.03	-0.14	-0.10	-0.05	0.21
CRMS 0163	-0.05	-0.04	-0.02	-0.06	-0.03	-0.09	-0.05	-0.11	-0.50	-0.35	-0.02	-0.03
CRMS 0162	-0.10	-0.09	-0.07	-0.06	-0.08	-0.12	-0.17	-0.13	-0.20	-0.12	-0.06	-0.18

Figure WQ TOTN 227 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.60	1.53	1.05	1.08	0.96	0.87	0.77	0.76	0.74	0.74	1.04	1.37
CRMS0276 - Just east of Wilkinson Canal	1.34	1.67	1.65	1.67	1.63	1.33	0.74	0.63	0.88	0.96	1.33	1.48
Barataria Waterway at Lafitte (USACE82875)	1.64	1.89	1.92	1.90	1.89	1.94	1.46	1.16	1.11	1.65	1.73	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.58	1.61	1.21	1.30	1.15	1.02	0.76	0.72	0.72	0.71	1.02	1.36
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.37	0.93	0.87	0.75	0.74	0.88	0.91	0.87	0.83	1.08	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.33	1.50	1.24	1.06	0.89	0.82	0.68	0.59	0.67	0.64	0.86	1.29
USGS 07380335 - Little Lake Near Cutoff	1.22	1.49	1.33	1.16	0.98	0.88	0.65	0.53	0.64	0.62	0.87	1.25
USGS073802516 Barataria Pass at Grand Isle	1.26	1.44	1.21	1.00	0.86	0.80	0.64	0.54	0.62	0.59	0.79	1.20
HWQ14 - Lake Washington	1.47	1.42	0.99	0.81	0.72	0.71	0.72	0.67	0.71	0.68	0.88	1.29
HWQ16 - Bayou Grand Liard	1.01	1.34	1.27	1.17	1.05	0.87	0.57	0.53	0.61	0.56	0.80	1.07
CRMS 3985	1.57	1.22	0.91	0.82	0.71	0.77	1.04	1.09	1.00	0.96	1.20	1.50
CRMS 0258	1.50	1.71	1.51	1.61	1.50	1.20	0.75	0.67	0.89	0.86	1.25	1.50
CRMS 0224	1.40	1.62	1.40	1.41	1.26	1.05	0.71	0.62	0.77	0.73	1.02	1.39
CRMS 0163	1.75	1.90	1.94	1.84	1.93	1.87	1.58	1.39	1.12	1.66	1.85	1.86
CRMS 0162	1.56	1.67	1.50	1.44	1.47	1.42	1.40	1.13	0.74	1.03	1.41	1.61

V3PR7 HYST - cy 5 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.91	1.98	1.98	1.94	1.94	1.89	1.89	1.88	1.84	1.79	1.83	1.88
CRMS0276 - Just east of Wilkinson Canal	1.26	1.60	1.59	1.65	1.47	1.20	0.65	0.54	0.73	0.76	1.25	1.45
Barataria Waterway at Lafitte (USACE82875)	1.58	1.82	1.91	1.86	1.82	1.93	1.42	1.00	0.87	1.42	1.73	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	1.91	1.85	1.63	1.65	0.91	1.02	1.02	0.86	0.95	1.31	1.70
USGS7380251 Barataria Bay North of Grand Isle	1.57	1.68	1.60	1.29	1.30	0.76	0.72	0.77	0.79	0.79	1.09	1.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.72	1.63	1.42	1.58	0.80	0.66	0.61	0.64	0.64	0.90	1.36
USGS 07380335 - Little Lake Near Cutoff	1.21	1.62	1.51	1.43	1.42	0.82	0.58	0.49	0.56	0.55	0.83	1.27
USGS073802516 Barataria Pass at Grand Isle	1.22	1.57	1.47	1.31	1.14	0.76	0.56	0.49	0.55	0.54	0.77	1.19
HWQ14 - Lake Washington	1.42	1.60	1.46	1.20	1.01	0.72	0.63	0.60	0.65	0.65	0.87	1.27
HWQ16 - Bayou Grand Liard	0.97	1.35	1.29	1.26	1.06	0.81	0.51	0.48	0.53	0.48	0.75	1.04
CRMS 3985	1.58	1.61	1.49	1.16	0.98	0.73	0.75	0.89	0.87	0.86	1.10	1.43
CRMS 0258	1.39	1.70	1.55	1.59	1.48	1.00	0.71	0.64	0.67	0.67	1.09	1.50
CRMS 0224	1.34	1.70	1.58	1.51	1.55	0.91	0.66	0.60	0.63	0.62	0.91	1.40
CRMS 0163	1.68	1.83	1.92	1.77	1.87	1.84	1.46	1.06	0.85	1.36	1.84	1.83
CRMS 0162	1.43	1.50	1.44	1.33	1.31	1.24	1.09	0.91	0.67	0.80	1.31	1.46

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.45	0.93	0.86	0.98	1.02	1.11	1.12	1.10	1.05	0.79	0.51
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.07	-0.06	-0.02	-0.17	-0.13	-0.10	-0.09	-0.15	-0.20	-0.08	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.06	-0.07	-0.01	-0.04	-0.07	-0.01	-0.04	-0.16	-0.24	-0.24	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.30	0.64	0.34	0.50	-0.12	0.26	0.30	0.14	0.23	0.29	0.34
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.31	0.66	0.42	0.55	0.02	-0.17	-0.13	-0.09	-0.05	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.22	0.39	0.36	0.69	-0.02	-0.02	0.02	-0.04	0.00	0.04	0.06
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.12	0.18	0.27	0.44	-0.06	-0.07	-0.03	-0.08	-0.07	-0.04	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.04	0.13	0.27	0.31	0.28	-0.04	-0.07	-0.05	-0.07	-0.05	-0.02	-0.01
HWQ14 - Lake Washington	-0.05	0.18	0.47	0.39	0.29	0.02	-0.08	-0.06	-0.06	-0.03	-0.01	-0.02
HWQ16 - Bayou Grand Liard	-0.04	0.01	0.02	0.09	0.01	-0.07	-0.06	-0.05	-0.08	-0.08	-0.05	-0.03
CRMS 3985	0.01	0.39	0.58	0.34	0.26	-0.03	-0.29	-0.21	-0.13	-0.10	-0.10	-0.07
CRMS 0258	-0.11	-0.01	0.03	-0.02	-0.02	-0.20	-0.05	-0.03	-0.22	-0.19	-0.16	0.00
CRMS 0224	-0.06	0.08	0.18	0.10	0.28	-0.14	-0.04	-0.02	-0.14	-0.11	-0.11	0.01
CRMS 0163	-0.07	-0.08	-0.01	-0.07	-0.06	-0.03	-0.12	-0.34	-0.27	-0.30	-0.02	-0.03
CRMS 0162	-0.12	-0.17	-0.06	-0.11	-0.16	-0.18	-0.32	-0.21	-0.07	-0.22	-0.10	-0.15

Figure WQ TOTN 228 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.61	1.71	1.46	1.24	1.05	1.01	0.91	0.89	0.96	0.90	0.99	1.30
CRMS0276 - Just east of Wilkinson Canal	1.45	1.80	1.82	1.84	1.78	1.70	1.24	1.12	1.41	1.18	1.20	1.35
Barataria Waterway at Lafitte (USACE82875)	1.76	1.94	1.96	1.96	1.95	1.99	1.88	1.84	1.83	1.71	1.61	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.59	1.74	1.51	1.42	1.24	1.18	0.89	0.86	1.07	0.96	0.96	1.29
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.68	1.47	1.08	0.84	0.82	0.92	0.95	0.95	0.90	1.04	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.64	1.55	1.27	0.99	0.93	0.82	0.79	0.93	0.84	0.85	1.17
USGS 07380335 - Little Lake Near Cutoff	1.30	1.62	1.59	1.38	1.10	1.05	0.87	0.83	0.95	0.86	0.85	1.12
USGS073802516 Barataria Pass at Grand Isle	1.31	1.57	1.51	1.23	0.97	0.92	0.82	0.79	0.84	0.78	0.80	1.09
HWQ14 - Lake Washington	1.47	1.62	1.44	1.04	0.82	0.77	0.78	0.77	0.80	0.77	0.88	1.21
HWQ16 - Bayou Grand Liard	1.13	1.49	1.49	1.37	1.20	1.14	0.91	0.84	0.88	0.73	0.75	0.97
CRMS 3985	1.64	1.68	1.49	1.03	0.79	0.80	1.02	1.08	1.04	0.98	1.15	1.47
CRMS 0258	1.53	1.79	1.71	1.72	1.58	1.44	0.99	0.95	1.44	1.12	1.12	1.37
CRMS 0224	1.44	1.72	1.64	1.57	1.36	1.23	0.86	0.83	1.20	0.98	0.95	1.26
CRMS 0163	1.86	1.95	1.97	1.93	1.99	1.99	1.92	1.88	1.87	1.72	1.75	1.83
CRMS 0162	1.81	1.87	1.75	1.70	1.69	1.87	1.98	1.82	1.42	1.22	1.18	1.45

V3PR7 HYST - cy 5 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.94	1.89	1.87	1.93	1.88
CRMS0276 - Just east of Wilkinson Canal	1.48	1.75	1.78	1.78	1.63	1.59	1.50	1.37	1.34	1.07	1.16	1.30
Barataria Waterway at Lafitte (USACE82875)	1.69	1.90	1.93	1.91	1.87	1.93	1.73	1.70	1.77	1.57	1.63	1.77
USGS2928590900040000 Barataria Waterway South of Lafitte	1.91	1.95	1.97	1.98	2.00	1.96	1.93	1.54	1.03	1.15	1.65	1.82
USGS7380251 Barataria Bay North of Grand Isle	1.70	1.82	1.86	1.79	1.75	1.66	1.54	1.23	0.90	0.84	0.89	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.79	1.88	1.93	1.90	1.87	1.84	1.81	1.43	0.95	0.85	0.94	1.21
USGS 07380335 - Little Lake Near Cutoff	1.61	1.83	1.88	1.83	1.75	1.68	1.59	1.33	0.97	0.82	0.85	1.12
USGS073802516 Barataria Pass at Grand Isle	1.54	1.77	1.81	1.67	1.49	1.36	1.34	1.19	0.87	0.75	0.78	1.02
HWQ14 - Lake Washington	1.52	1.71	1.71	1.52	1.35	1.25	1.20	1.11	0.82	0.75	0.80	1.01
HWQ16 - Bayou Grand Liard	1.19	1.63	1.63	1.57	1.36	1.26	1.02	0.94	0.88	0.69	0.71	0.92
CRMS 3985	1.53	1.68	1.68	1.49	1.37	1.25	1.18	1.05	0.87	0.84	0.74	1.10
CRMS 0258	1.75	1.82	1.91	1.87	1.82	1.79	1.78	1.50	1.29	1.01	1.12	1.35
CRMS 0224	1.76	1.85	1.92	1.89	1.84	1.84	1.82	1.48	1.12	0.91	0.97	1.26
CRMS 0163	1.79	1.92	1.95	1.86	1.94	1.94	1.80	1.80	1.76	1.51	1.75	1.74
CRMS 0162	1.72	1.82	1.66	1.61	1.59	1.80	1.92	1.71	1.18	1.00	1.15	1.32

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.29	0.54	0.76	0.95	0.99	1.08	1.05	0.93	0.96	0.94	0.58
CRMS0276 - Just east of Wilkinson Canal	0.03	-0.05	-0.04	-0.06	-0.15	-0.11	0.26	0.24	-0.07	-0.11	-0.04	-0.05
Barataria Waterway at Lafitte (USACE82875)	-0.07	-0.03	-0.03	-0.04	-0.08	-0.05	-0.15	-0.15	-0.06	-0.13	0.02	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.32	0.21	0.46	0.56	0.77	0.78	1.04	0.68	-0.04	0.19	0.69	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.14	0.39	0.71	0.91	0.84	0.62	0.28	-0.05	-0.05	-0.16	-0.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.41	0.24	0.38	0.62	0.88	0.91	0.99	0.64	0.02	0.01	0.09	0.03
USGS 07380335 - Little Lake Near Cutoff	0.31	0.20	0.29	0.45	0.65	0.63	0.72	0.50	0.01	-0.04	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.23	0.20	0.30	0.44	0.52	0.44	0.52	0.40	0.02	-0.02	-0.02	-0.06
HWQ14 - Lake Washington	0.05	0.09	0.27	0.48	0.53	0.48	0.42	0.33	0.01	-0.02	-0.08	-0.20
HWQ16 - Bayou Grand Liard	0.06	0.14	0.15	0.20	0.16	0.12	0.11	0.10	-0.01	-0.04	-0.04	-0.05
CRMS 3985	-0.11	0.00	0.19	0.45	0.57	0.44	0.16	-0.03	-0.17	-0.14	-0.41	-0.37
CRMS 0258	0.22	0.04	0.19	0.14	0.24	0.35	0.79	0.55	-0.14	-0.11	0.00	-0.02
CRMS 0224	0.32	0.12	0.28	0.32	0.47	0.61	0.96	0.65	-0.09	-0.08	0.02	0.00
CRMS 0163	-0.08	-0.03	-0.03	-0.07	-0.05	-0.05	-0.12	-0.08	-0.11	-0.21	0.00	-0.08
CRMS 0162	-0.09	-0.06	-0.08	-0.09	-0.10	-0.08	-0.06	-0.12	-0.23	-0.23	-0.03	-0.13

Figure WQ TOTN 229 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.66	1.57	1.24	1.18	1.07	0.98	0.88	0.87	0.89	0.87	0.94	1.32
CRMS0276 - Just east of Wilkinson Canal	1.53	1.59	1.74	1.83	1.83	1.67	1.22	1.02	1.34	1.09	1.14	1.61
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.93	1.96	1.89	1.96	1.88	1.76	1.82	1.64	1.60	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.67	1.64	1.39	1.41	1.32	1.13	0.85	0.82	0.99	0.92	0.91	1.33
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.44	1.06	0.89	0.77	0.78	0.88	0.93	0.92	0.88	1.00	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.45	1.53	1.38	1.21	1.03	0.92	0.79	0.76	0.88	0.81	0.77	1.23
USGS 07380335 - Little Lake Near Cutoff	1.37	1.49	1.46	1.35	1.20	1.05	0.85	0.78	0.90	0.82	0.76	1.23
USGS073802516 Barataria Pass at Grand Isle	1.38	1.47	1.33	1.17	1.02	0.94	0.82	0.75	0.80	0.74	0.73	1.14
HWQ14 - Lake Washington	1.52	1.48	1.14	0.88	0.77	0.76	0.76	0.75	0.78	0.76	0.83	1.20
HWQ16 - Bayou Grand Liard	1.17	1.30	1.37	1.37	1.35	1.21	0.94	0.79	0.84	0.69	0.70	1.13
CRMS 3985	1.57	1.33	0.93	0.76	0.69	0.75	0.97	1.06	1.02	0.96	1.12	1.45
CRMS 0258	1.65	1.67	1.65	1.73	1.72	1.31	0.94	0.91	1.35	1.07	1.02	1.55
CRMS 0224	1.54	1.60	1.54	1.56	1.50	1.16	0.83	0.79	1.13	0.94	0.86	1.39
CRMS 0163	1.83	1.87	1.95	1.97	1.90	1.98	1.93	1.84	1.85	1.63	1.76	1.91
CRMS 0162	1.65	1.44	1.71	1.74	1.76	1.92	1.99	1.78	1.30	1.05	1.19	1.80

V3PR7 HYST - cy 5 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.04	1.96	1.98	2.00	1.89	1.98	1.99	1.91	1.86	1.88	1.92	1.98
CRMS0276 - Just east of Wilkinson Canal	1.55	1.51	1.64	1.78	1.77	1.60	1.51	1.14	1.25	0.94	1.07	1.59
Barataria Waterway at Lafitte (USACE82875)	1.74	1.77	1.89	1.92	1.83	1.90	1.72	1.72	1.65	1.34	1.61	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.63	2.15	1.92	1.97	1.86	1.95	1.94	1.23	1.06	1.19	1.64	1.92
USGS7380251 Barataria Bay North of Grand Isle	1.70	1.69	1.77	1.81	1.73	1.76	1.56	1.01	0.89	0.86	0.90	1.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.70	1.63	1.82	1.89	1.79	1.86	1.81	1.04	0.91	0.83	0.87	1.83
USGS 07380335 - Little Lake Near Cutoff	1.55	1.53	1.75	1.84	1.75	1.73	1.60	0.98	0.90	0.77	0.74	1.70
USGS073802516 Barataria Pass at Grand Isle	1.53	1.52	1.70	1.71	1.57	1.42	1.35	0.92	0.81	0.72	0.71	1.57
HWQ14 - Lake Washington	1.60	1.62	1.64	1.59	1.43	1.29	1.22	0.94	0.79	0.75	0.77	1.36
HWQ16 - Bayou Grand Liard	1.23	1.29	1.50	1.61	1.51	1.31	1.07	0.83	0.81	0.64	0.65	1.26
CRMS 3985	1.60	1.66	1.67	1.55	1.45	1.33	1.21	0.96	0.90	0.87	0.75	1.33
CRMS 0258	1.83	1.66	1.75	1.86	1.76	1.81	1.78	1.16	1.19	0.95	0.90	1.74
CRMS 0224	1.73	1.63	1.79	1.88	1.77	1.84	1.83	1.06	1.06	0.87	0.82	1.77
CRMS 0163	1.79	1.73	1.91	1.90	1.86	1.93	1.80	1.82	1.63	1.28	1.77	1.90
CRMS 0162	1.57	1.30	1.62	1.65	1.67	1.88	1.95	1.67	1.07	0.87	1.16	1.68

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.39	0.39	0.74	0.82	0.82	1.00	1.12	1.04	0.97	1.01	0.98	0.66
CRMS0276 - Just east of Wilkinson Canal	0.02	-0.07	-0.09	-0.05	-0.06	-0.07	0.29	0.11	-0.09	-0.16	-0.07	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.09	-0.04	-0.04	-0.06	-0.06	-0.16	-0.04	-0.17	-0.30	0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.96	0.51	0.53	0.56	0.54	0.83	1.09	0.40	0.06	0.27	0.73	0.58
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.25	0.71	0.92	0.96	0.98	0.68	0.08	-0.03	-0.02	-0.11	0.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.25	0.11	0.44	0.68	0.76	0.94	1.01	0.28	0.03	0.02	0.10	0.59
USGS 07380335 - Little Lake Near Cutoff	0.18	0.04	0.30	0.49	0.55	0.68	0.75	0.20	0.00	-0.04	-0.02	0.47
USGS073802516 Barataria Pass at Grand Isle	0.15	0.05	0.37	0.54	0.55	0.48	0.53	0.16	0.01	-0.02	-0.02	0.42
HWQ14 - Lake Washington	0.09	0.13	0.50	0.71	0.66	0.53	0.46	0.19	0.01	0.00	-0.06	0.16
HWQ16 - Bayou Grand Liard	0.06	-0.01	0.13	0.24	0.16	0.09	0.13	0.04	-0.03	-0.05	-0.05	0.14
CRMS 3985	0.03	0.33	0.74	0.79	0.77	0.58	0.24	-0.10	-0.13	-0.10	-0.37	-0.12
CRMS 0258	0.18	-0.01	0.11	0.13	0.04	0.50	0.84	0.25	-0.16	-0.12	-0.12	0.19
CRMS 0224	0.20	0.03	0.24	0.32	0.27	0.68	1.00	0.27	-0.07	-0.07	-0.04	0.38
CRMS 0163	-0.04	-0.14	-0.04	-0.07	-0.04	-0.06	-0.13	-0.02	-0.23	-0.35	0.01	-0.01
CRMS 0162	-0.09	-0.15	-0.09	-0.09	-0.09	-0.04	-0.04	-0.11	-0.23	-0.18	-0.03	-0.13

Figure WQ TOTN 230 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.45	1.30	1.20	0.96	0.84	0.71	0.67	0.75	0.79	0.79	1.04
CRMS0276 - Just east of Wilkinson Canal	1.26	1.61	1.76	1.81	1.83	1.70	1.33	1.01	1.39	1.26	1.12	1.19
Barataria Waterway at Lafitte (USACE82875)	1.63	1.85	1.92	1.90	1.97	1.99	1.90	1.79	1.85	1.72	1.56	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.48	1.35	1.39	1.15	0.98	0.70	0.65	0.90	0.89	0.78	1.04
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.45	1.32	0.99	0.73	0.67	0.64	0.66	0.72	0.74	0.85	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.09	1.38	1.38	1.21	0.94	0.80	0.72	0.66	0.77	0.77	0.73	0.95
USGS 07380335 - Little Lake Near Cutoff	1.04	1.37	1.44	1.34	1.08	0.94	0.85	0.74	0.84	0.85	0.76	0.93
USGS073802516 Barataria Pass at Grand Isle	1.04	1.32	1.33	1.18	0.95	0.83	0.78	0.70	0.69	0.72	0.69	0.88
HWQ14 - Lake Washington	1.19	1.36	1.27	0.95	0.74	0.66	0.62	0.60	0.60	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.95	1.27	1.40	1.40	1.29	1.11	0.99	0.80	0.83	0.76	0.70	0.81
CRMS 3985	1.41	1.48	1.36	0.91	0.67	0.63	0.63	0.72	0.81	0.81	0.97	1.26
CRMS 0258	1.27	1.59	1.61	1.68	1.51	1.32	0.87	0.80	1.35	1.16	0.98	1.19
CRMS 0224	1.15	1.49	1.50	1.54	1.32	1.08	0.75	0.68	1.09	0.97	0.82	1.06
CRMS 0163	1.77	1.88	1.95	1.91	1.99	2.00	1.95	1.85	1.86	1.73	1.70	1.77
CRMS 0162	1.70	1.69	1.77	1.78	1.82	1.90	2.00	1.80	1.48	1.38	1.12	1.35

V3PR8 HYST - cy 5 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.94	1.98	2.00	1.93	2.00	2.01	2.00	1.95	1.92	1.96	1.92	1.92
CRMS0276 - Just east of Wilkinson Canal	1.34	1.61	1.74	1.80	1.72	1.63	1.58	1.26	1.45	1.34	1.19	1.21
Barataria Waterway at Lafitte (USACE82875)	1.67	1.86	1.91	1.88	1.95	1.95	1.76	1.65	1.89	1.75	1.65	1.72
USGS2928590900040000 Barataria Waterway South of Lafitte	1.84	1.90	1.94	1.89	1.97	1.97	1.94	1.47	1.27	1.45	1.72	1.91
USGS7380251 Barataria Bay North of Grand Isle	1.67	1.75	1.85	1.80	1.89	1.86	1.77	1.25	1.08	1.11	1.07	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.61	1.74	1.88	1.82	1.91	1.90	1.87	1.39	1.09	1.28	1.05	1.33
USGS 07380335 - Little Lake Near Cutoff	1.40	1.65	1.83	1.78	1.82	1.75	1.69	1.22	1.06	1.21	0.95	1.16
USGS073802516 Barataria Pass at Grand Isle	1.40	1.61	1.76	1.67	1.59	1.47	1.48	1.10	0.96	1.08	0.90	1.12
HWQ14 - Lake Washington	1.54	1.65	1.69	1.59	1.48	1.39	1.38	1.10	0.90	1.00	0.94	1.26
HWQ16 - Bayou Grand Liard	1.07	1.43	1.64	1.63	1.49	1.32	1.18	0.93	0.94	0.88	0.78	0.90
CRMS 3985	1.60	1.66	1.71	1.61	1.60	1.51	1.49	1.12	0.90	0.91	1.00	1.41
CRMS 0258	1.56	1.70	1.81	1.78	1.82	1.78	1.78	1.43	1.35	1.31	1.15	1.34
CRMS 0224	1.55	1.70	1.84	1.80	1.85	1.85	1.84	1.41	1.18	1.29	1.05	1.29
CRMS 0163	1.76	1.88	1.95	1.89	1.98	1.99	1.87	1.83	1.89	1.75	1.70	1.77
CRMS 0162	1.67	1.66	1.75	1.77	1.81	1.86	2.00	1.78	1.45	1.35	1.11	1.33

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.52	0.70	0.73	1.04	1.17	1.29	1.28	1.18	1.17	1.14	0.87
CRMS0276 - Just east of Wilkinson Canal	0.08	0.00	-0.01	-0.01	-0.11	-0.07	0.25	0.25	0.06	0.08	0.06	0.02
Barataria Waterway at Lafitte (USACE82875)	0.04	0.00	0.00	-0.02	-0.02	-0.04	-0.14	-0.14	0.04	0.02	0.09	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.54	0.41	0.59	0.50	0.83	1.00	1.24	0.82	0.37	0.56	0.94	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.32	0.30	0.52	0.81	1.15	1.20	1.13	0.59	0.36	0.37	0.22	0.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.52	0.36	0.50	0.61	0.98	1.10	1.15	0.73	0.32	0.50	0.32	0.38
USGS 07380335 - Little Lake Near Cutoff	0.36	0.28	0.38	0.43	0.74	0.81	0.84	0.49	0.23	0.36	0.20	0.24
USGS073802516 Barataria Pass at Grand Isle	0.36	0.30	0.43	0.50	0.64	0.64	0.69	0.40	0.27	0.36	0.21	0.24
HWQ14 - Lake Washington	0.35	0.29	0.42	0.64	0.74	0.73	0.75	0.51	0.30	0.36	0.22	0.30
HWQ16 - Bayou Grand Liard	0.12	0.15	0.24	0.23	0.20	0.21	0.19	0.14	0.11	0.12	0.08	0.09
CRMS 3985	0.19	0.18	0.35	0.71	0.93	0.88	0.86	0.40	0.09	0.10	0.03	0.16
CRMS 0258	0.30	0.11	0.19	0.10	0.31	0.47	0.91	0.63	0.00	0.15	0.17	0.15
CRMS 0224	0.40	0.22	0.34	0.26	0.54	0.78	1.09	0.73	0.09	0.32	0.22	0.23
CRMS 0163	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.08	-0.03	0.03	0.02	0.00	-0.01
CRMS 0162	-0.03	-0.03	-0.02	-0.01	-0.01	-0.04	0.01	-0.02	-0.03	-0.03	-0.01	-0.02

Figure WQ TOTN 231 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.64	1.70	1.48	1.27	1.09	0.99	0.84	0.79	0.81	0.79	0.89	1.28
CRMS0276 - Just east of Wilkinson Canal	1.47	1.75	1.84	1.86	1.91	1.50	0.93	0.87	1.14	0.93	1.13	1.49
Barataria Waterway at Lafitte (USACE82875)	1.74	1.92	1.95	1.98	2.00	1.97	1.78	1.60	1.67	1.46	1.61	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.63	1.72	1.54	1.43	1.29	1.13	0.85	0.77	0.87	0.80	0.85	1.28
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.67	1.47	1.11	0.85	0.82	0.82	0.88	0.88	0.83	0.98	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.40	1.61	1.58	1.30	1.06	0.92	0.76	0.68	0.79	0.71	0.71	1.17
USGS 07380335 - Little Lake Near Cutoff	1.31	1.59	1.63	1.40	1.21	1.00	0.77	0.66	0.79	0.70	0.71	1.15
USGS073802516 Barataria Pass at Grand Isle	1.32	1.55	1.53	1.26	1.06	0.91	0.74	0.64	0.72	0.65	0.68	1.09
HWQ14 - Lake Washington	1.48	1.61	1.45	1.08	0.85	0.79	0.74	0.70	0.74	0.71	0.79	1.17
HWQ16 - Bayou Grand Liard	1.11	1.44	1.53	1.41	1.38	1.02	0.70	0.64	0.73	0.60	0.69	1.04
CRMS 3985	1.65	1.67	1.49	1.06	0.80	0.78	0.86	1.03	0.99	0.93	1.11	1.43
CRMS 0258	1.59	1.76	1.75	1.71	1.66	1.37	0.90	0.78	1.15	0.92	0.96	1.49
CRMS 0224	1.48	1.69	1.67	1.57	1.47	1.17	0.80	0.71	0.98	0.80	0.79	1.32
CRMS 0163	1.83	1.93	1.97	1.99	2.02	1.97	1.83	1.72	1.69	1.42	1.79	1.89
CRMS 0162	1.73	1.83	1.83	1.77	1.83	1.79	1.90	1.53	1.03	0.87	1.25	1.68

V3PR8 HYST - cy 5 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.97	1.99	2.00	2.01	2.02	2.01	1.90	1.89	1.86	1.86	1.88	1.93
CRMS0276 - Just east of Wilkinson Canal	1.48	1.71	1.78	1.80	1.79	1.39	0.87	0.81	1.09	0.93	1.12	1.47
Barataria Waterway at Lafitte (USACE82875)	1.72	1.89	1.93	1.95	1.98	1.90	1.71	1.56	1.61	1.46	1.69	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.95	1.92	1.96	1.98	1.99	1.56	1.17	1.11	0.98	1.11	1.54	1.85
USGS7380251 Barataria Bay North of Grand Isle	1.71	1.82	1.88	1.89	1.91	1.26	0.92	0.86	0.88	0.85	1.00	1.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.73	1.86	1.91	1.92	1.94	1.31	0.87	0.76	0.82	0.78	0.89	1.55
USGS 07380335 - Little Lake Near Cutoff	1.58	1.79	1.86	1.85	1.87	1.25	0.77	0.65	0.78	0.70	0.79	1.39
USGS073802516 Barataria Pass at Grand Isle	1.55	1.74	1.79	1.72	1.66	1.15	0.74	0.62	0.71	0.67	0.75	1.28
HWQ14 - Lake Washington	1.61	1.69	1.71	1.61	1.55	1.10	0.81	0.71	0.75	0.73	0.83	1.30
HWQ16 - Bayou Grand Liard	1.20	1.58	1.69	1.63	1.55	1.09	0.67	0.61	0.71	0.60	0.70	1.08
CRMS 3985	1.61	1.69	1.75	1.65	1.65	1.10	0.87	0.87	0.92	0.88	0.94	1.42
CRMS 0258	1.71	1.77	1.84	1.86	1.86	1.32	0.91	0.79	0.98	0.87	0.96	1.58
CRMS 0224	1.70	1.81	1.87	1.89	1.89	1.30	0.86	0.75	0.90	0.79	0.86	1.54
CRMS 0163	1.81	1.92	1.96	1.96	2.00	1.93	1.82	1.72	1.61	1.45	1.77	1.87
CRMS 0162	1.69	1.79	1.79	1.77	1.80	1.75	1.84	1.48	0.98	0.88	1.21	1.62

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.33	0.29	0.53	0.74	0.93	1.03	1.06	1.11	1.06	1.07	0.99	0.65
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.05	-0.06	-0.06	-0.11	-0.12	-0.06	-0.06	-0.05	-0.01	-0.01	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.03	-0.02	-0.02	-0.03	-0.07	-0.07	-0.03	-0.07	0.00	0.08	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.32	0.20	0.42	0.55	0.70	0.43	0.32	0.34	0.11	0.31	0.69	0.57
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.15	0.41	0.78	1.06	0.44	0.10	-0.02	0.00	0.02	0.02	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.24	0.33	0.62	0.87	0.39	0.11	0.08	0.03	0.07	0.18	0.37
USGS 07380335 - Little Lake Near Cutoff	0.26	0.20	0.23	0.45	0.66	0.25	0.00	-0.01	-0.01	0.01	0.08	0.24
USGS073802516 Barataria Pass at Grand Isle	0.23	0.19	0.26	0.45	0.60	0.24	0.00	-0.02	-0.01	0.01	0.07	0.19
HWQ14 - Lake Washington	0.12	0.09	0.26	0.54	0.70	0.31	0.07	0.00	0.01	0.02	0.04	0.13
HWQ16 - Bayou Grand Liard	0.09	0.14	0.16	0.22	0.17	0.07	-0.03	-0.03	-0.02	0.01	0.02	0.05
CRMS 3985	-0.04	0.02	0.26	0.59	0.86	0.32	0.01	-0.16	-0.07	-0.06	-0.17	-0.02
CRMS 0258	0.12	0.01	0.09	0.15	0.20	-0.05	0.01	0.01	-0.17	-0.05	0.00	0.09
CRMS 0224	0.22	0.11	0.19	0.32	0.43	0.13	0.06	0.04	-0.08	-0.02	0.06	0.22
CRMS 0163	-0.02	-0.02	-0.01	-0.03	-0.02	-0.03	-0.01	0.00	-0.08	0.03	-0.01	-0.02
CRMS 0162	-0.04	-0.04	-0.03	0.01	-0.04	-0.03	-0.06	-0.05	-0.05	0.01	-0.04	-0.05

Figure WQ TOTN 232 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.60	1.53	1.05	1.08	0.96	0.87	0.77	0.76	0.74	0.74	1.04	1.37
CRMS0276 - Just east of Wilkinson Canal	1.34	1.67	1.65	1.67	1.63	1.33	0.74	0.63	0.88	0.96	1.33	1.48
Barataria Waterway at Lafitte (USACE82875)	1.64	1.89	1.92	1.90	1.89	1.94	1.46	1.16	1.11	1.65	1.73	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.58	1.61	1.21	1.30	1.15	1.02	0.76	0.72	0.72	0.71	1.02	1.36
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.37	0.93	0.87	0.75	0.74	0.88	0.91	0.87	0.83	1.08	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.33	1.50	1.24	1.06	0.89	0.82	0.68	0.59	0.67	0.64	0.86	1.29
USGS 07380335 - Little Lake Near Cutoff	1.22	1.49	1.33	1.16	0.98	0.88	0.65	0.53	0.64	0.62	0.87	1.25
USGS073802516 Barataria Pass at Grand Isle	1.26	1.44	1.21	1.00	0.86	0.80	0.64	0.54	0.62	0.59	0.79	1.20
HWQ14 - Lake Washington	1.47	1.42	0.99	0.81	0.72	0.71	0.72	0.67	0.71	0.68	0.88	1.29
HWQ16 - Bayou Grand Liard	1.01	1.34	1.27	1.17	1.05	0.87	0.57	0.53	0.61	0.56	0.80	1.07
CRMS 3985	1.57	1.22	0.91	0.82	0.71	0.77	1.04	1.09	1.00	0.96	1.20	1.50
CRMS 0258	1.50	1.71	1.51	1.61	1.50	1.20	0.75	0.67	0.89	0.86	1.25	1.50
CRMS 0224	1.40	1.62	1.40	1.41	1.26	1.05	0.71	0.62	0.77	0.73	1.02	1.39
CRMS 0163	1.75	1.90	1.94	1.84	1.93	1.87	1.58	1.39	1.12	1.66	1.85	1.86
CRMS 0162	1.56	1.67	1.50	1.44	1.47	1.42	1.40	1.13	0.74	1.03	1.41	1.61

V3PR8 HYST - cy 5 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.91	1.98	1.99	1.94	1.95	1.90	1.92	1.88	1.85	1.81	1.83	1.89
CRMS0276 - Just east of Wilkinson Canal	1.28	1.60	1.59	1.66	1.48	1.25	0.67	0.57	0.80	0.85	1.30	1.45
Barataria Waterway at Lafitte (USACE82875)	1.61	1.83	1.91	1.89	1.84	1.91	1.44	1.09	1.08	1.59	1.78	1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	1.88	1.82	1.57	1.61	0.87	0.97	0.97	0.83	0.96	1.35	1.73
USGS7380251 Barataria Bay North of Grand Isle	1.54	1.68	1.61	1.32	1.38	0.79	0.71	0.75	0.78	0.79	1.08	1.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.72	1.62	1.43	1.58	0.83	0.68	0.63	0.66	0.66	0.96	1.36
USGS 07380335 - Little Lake Near Cutoff	1.22	1.60	1.50	1.43	1.40	0.85	0.60	0.51	0.60	0.58	0.91	1.27
USGS073802516 Barataria Pass at Grand Isle	1.23	1.56	1.46	1.31	1.15	0.78	0.58	0.50	0.57	0.56	0.81	1.19
HWQ14 - Lake Washington	1.41	1.58	1.46	1.21	1.05	0.74	0.64	0.61	0.66	0.66	0.88	1.26
HWQ16 - Bayou Grand Liard	1.00	1.35	1.29	1.27	1.07	0.84	0.53	0.49	0.56	0.51	0.80	1.05
CRMS 3985	1.51	1.58	1.49	1.19	1.04	0.76	0.71	0.85	0.86	0.85	1.07	1.38
CRMS 0258	1.38	1.67	1.50	1.57	1.40	1.01	0.69	0.63	0.72	0.74	1.20	1.50
CRMS 0224	1.33	1.68	1.54	1.50	1.50	0.92	0.67	0.60	0.67	0.65	1.02	1.40
CRMS 0163	1.71	1.85	1.93	1.82	1.90	1.88	1.64	1.36	1.09	1.61	1.84	1.85
CRMS 0162	1.51	1.58	1.47	1.41	1.43	1.41	1.35	1.07	0.70	0.95	1.36	1.59

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.31	0.45	0.94	0.87	0.99	1.03	1.14	1.12	1.11	1.07	0.79	0.51
CRMS0276 - Just east of Wilkinson Canal	-0.07	-0.07	-0.06	-0.01	-0.15	-0.08	-0.07	-0.06	-0.07	-0.11	-0.03	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.06	-0.01	-0.01	-0.04	-0.03	-0.02	-0.08	-0.02	-0.07	0.05	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.27	0.61	0.27	0.46	-0.15	0.21	0.25	0.11	0.25	0.33	0.36
USGS7380251 Barataria Bay North of Grand Isle	-0.04	0.31	0.68	0.45	0.63	0.04	-0.17	-0.15	-0.09	-0.05	-0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.22	0.39	0.37	0.70	0.01	0.00	0.04	-0.02	0.02	0.10	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	0.11	0.16	0.27	0.42	-0.04	-0.05	-0.02	-0.04	-0.05	0.03	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.03	0.12	0.26	0.31	0.29	-0.02	-0.06	-0.04	-0.05	-0.03	0.02	-0.01
HWQ14 - Lake Washington	-0.06	0.16	0.47	0.40	0.33	0.04	-0.07	-0.06	-0.05	-0.02	-0.01	-0.03
HWQ16 - Bayou Grand Liard	-0.01	0.01	0.02	0.10	0.02	-0.04	-0.04	-0.03	-0.04	-0.05	0.00	-0.02
CRMS 3985	-0.06	0.36	0.58	0.37	0.33	-0.01	-0.33	-0.25	-0.14	-0.11	-0.13	-0.12
CRMS 0258	-0.12	-0.04	-0.01	-0.04	-0.10	-0.18	-0.06	-0.05	-0.17	-0.13	-0.05	-0.01
CRMS 0224	-0.07	0.06	0.14	0.09	0.23	-0.12	-0.04	-0.01	-0.10	-0.08	0.00	0.01
CRMS 0163	-0.04	-0.05	0.00	-0.03	-0.03	0.01	0.05	-0.04	-0.03	-0.05	-0.01	-0.01
CRMS 0162	-0.05	-0.09	-0.04	-0.03	-0.04	-0.01	-0.05	-0.05	-0.04	-0.07	-0.05	-0.02

Figure WQ TOTN 233 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.61	1.71	1.46	1.24	1.05	1.01	0.91	0.89	0.96	0.90	0.99	1.30
CRMS0276 - Just east of Wilkinson Canal	1.45	1.80	1.82	1.84	1.78	1.70	1.24	1.12	1.41	1.18	1.20	1.35
Barataria Waterway at Lafitte (USACE82875)	1.76	1.94	1.96	1.96	1.95	1.99	1.88	1.84	1.83	1.71	1.61	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.59	1.74	1.51	1.42	1.24	1.18	0.89	0.86	1.07	0.96	0.96	1.29
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.68	1.47	1.08	0.84	0.82	0.92	0.95	0.95	0.90	1.04	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.64	1.55	1.27	0.99	0.93	0.82	0.79	0.93	0.84	0.85	1.17
USGS 07380335 - Little Lake Near Cutoff	1.30	1.62	1.59	1.38	1.10	1.05	0.87	0.83	0.95	0.86	0.85	1.12
USGS073802516 Barataria Pass at Grand Isle	1.31	1.57	1.51	1.23	0.97	0.92	0.82	0.79	0.84	0.78	0.80	1.09
HWQ14 - Lake Washington	1.47	1.62	1.44	1.04	0.82	0.77	0.78	0.77	0.80	0.77	0.88	1.21
HWQ16 - Bayou Grand Liard	1.13	1.49	1.49	1.37	1.20	1.14	0.91	0.84	0.88	0.73	0.75	0.97
CRMS 3985	1.64	1.68	1.49	1.03	0.79	0.80	1.02	1.08	1.04	0.98	1.15	1.47
CRMS 0258	1.53	1.79	1.71	1.72	1.58	1.44	0.99	0.95	1.44	1.12	1.12	1.37
CRMS 0224	1.44	1.72	1.64	1.57	1.36	1.23	0.86	0.83	1.20	0.98	0.95	1.26
CRMS 0163	1.86	1.95	1.97	1.93	1.99	1.99	1.92	1.88	1.87	1.72	1.75	1.83
CRMS 0162	1.81	1.87	1.75	1.70	1.69	1.87	1.98	1.82	1.42	1.22	1.18	1.45

V3PR8 HYST - cy 5 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.99	2.00	2.00	2.00	2.01	2.00	1.99	1.95	1.91	1.88	1.90	1.90
CRMS0276 - Just east of Wilkinson Canal	1.50	1.75	1.78	1.78	1.64	1.58	1.46	1.34	1.41	1.16	1.18	1.33
Barataria Waterway at Lafitte (USACE82875)	1.73	1.91	1.93	1.93	1.90	1.92	1.69	1.66	1.86	1.70	1.67	1.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.90	1.94	1.97	1.97	1.99	1.94	1.91	1.50	1.00	1.14	1.62	1.85
USGS7380251 Barataria Bay North of Grand Isle	1.77	1.85	1.89	1.84	1.82	1.76	1.67	1.31	0.92	0.85	1.04	1.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.80	1.88	1.93	1.90	1.88	1.85	1.82	1.45	0.98	0.88	1.00	1.31
USGS 07380335 - Little Lake Near Cutoff	1.63	1.82	1.87	1.82	1.74	1.67	1.60	1.33	1.01	0.86	0.91	1.19
USGS073802516 Barataria Pass at Grand Isle	1.59	1.77	1.81	1.68	1.51	1.40	1.37	1.21	0.90	0.79	0.84	1.13
HWQ14 - Lake Washington	1.60	1.73	1.73	1.57	1.41	1.32	1.26	1.14	0.84	0.77	0.89	1.22
HWQ16 - Bayou Grand Liard	1.23	1.64	1.64	1.57	1.36	1.27	1.03	0.95	0.91	0.73	0.76	0.97
CRMS 3985	1.63	1.73	1.74	1.59	1.51	1.40	1.34	1.14	0.87	0.84	0.99	1.37
CRMS 0258	1.74	1.80	1.89	1.83	1.75	1.72	1.73	1.46	1.34	1.07	1.12	1.38
CRMS 0224	1.75	1.83	1.91	1.87	1.81	1.81	1.80	1.47	1.15	0.95	1.01	1.31
CRMS 0163	1.82	1.94	1.95	1.88	1.96	1.96	1.82	1.82	1.88	1.71	1.72	1.82
CRMS 0162	1.77	1.85	1.72	1.67	1.64	1.86	1.98	1.79	1.34	1.16	1.12	1.38

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.29	0.54	0.76	0.95	0.99	1.08	1.06	0.96	0.97	0.91	0.60
CRMS0276 - Just east of Wilkinson Canal	0.04	-0.05	-0.04	-0.06	-0.14	-0.12	0.22	0.22	0.00	-0.02	-0.02	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.03	-0.03	-0.02	-0.05	-0.06	-0.20	-0.19	0.02	-0.01	0.05	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.31	0.20	0.46	0.56	0.76	0.76	1.01	0.65	-0.07	0.18	0.65	0.57
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.42	0.77	0.97	0.94	0.75	0.36	-0.03	-0.04	-0.01	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.24	0.38	0.63	0.88	0.92	1.00	0.66	0.05	0.04	0.15	0.14
USGS 07380335 - Little Lake Near Cutoff	0.33	0.20	0.28	0.44	0.64	0.62	0.72	0.51	0.06	0.00	0.06	0.06
USGS073802516 Barataria Pass at Grand Isle	0.28	0.20	0.30	0.45	0.54	0.48	0.55	0.42	0.06	0.01	0.04	0.04
HWQ14 - Lake Washington	0.13	0.11	0.29	0.53	0.59	0.55	0.48	0.37	0.04	-0.01	0.01	0.02
HWQ16 - Bayou Grand Liard	0.10	0.15	0.15	0.20	0.16	0.13	0.12	0.11	0.02	0.01	0.01	0.00
CRMS 3985	-0.01	0.05	0.25	0.55	0.72	0.59	0.32	0.06	-0.17	-0.14	-0.17	-0.10
CRMS 0258	0.21	0.01	0.17	0.11	0.17	0.28	0.74	0.51	-0.10	-0.06	0.00	0.00
CRMS 0224	0.32	0.11	0.27	0.30	0.44	0.58	0.94	0.64	-0.05	-0.03	0.05	0.05
CRMS 0163	-0.05	-0.02	-0.02	-0.05	-0.03	-0.03	-0.10	-0.06	0.01	0.00	-0.03	-0.01
CRMS 0162	-0.04	-0.02	-0.02	-0.02	-0.05	-0.02	0.00	-0.04	-0.07	-0.06	-0.06	-0.07

Figure WQ TOTN 234 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.66	1.57	1.24	1.18	1.07	0.98	0.88	0.87	0.89	0.87	0.94	1.32
CRMS0276 - Just east of Wilkinson Canal	1.53	1.59	1.74	1.83	1.83	1.67	1.22	1.02	1.34	1.09	1.14	1.61
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.93	1.96	1.89	1.96	1.88	1.76	1.82	1.64	1.60	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.67	1.64	1.39	1.41	1.32	1.13	0.85	0.82	0.99	0.92	0.91	1.33
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.44	1.06	0.89	0.77	0.78	0.88	0.93	0.92	0.88	1.00	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.45	1.53	1.38	1.21	1.03	0.92	0.79	0.76	0.88	0.81	0.77	1.23
USGS 07380335 - Little Lake Near Cutoff	1.37	1.49	1.46	1.35	1.20	1.05	0.85	0.78	0.90	0.82	0.76	1.23
USGS073802516 Barataria Pass at Grand Isle	1.38	1.47	1.33	1.17	1.02	0.94	0.82	0.75	0.80	0.74	0.73	1.14
HWQ14 - Lake Washington	1.52	1.48	1.14	0.88	0.77	0.76	0.76	0.75	0.78	0.76	0.83	1.20
HWQ16 - Bayou Grand Liard	1.17	1.30	1.37	1.37	1.35	1.21	0.94	0.79	0.84	0.69	0.70	1.13
CRMS 3985	1.57	1.33	0.93	0.76	0.69	0.75	0.97	1.06	1.02	0.96	1.12	1.45
CRMS 0258	1.65	1.67	1.65	1.73	1.72	1.31	0.94	0.91	1.35	1.07	1.02	1.55
CRMS 0224	1.54	1.60	1.54	1.56	1.50	1.16	0.83	0.79	1.13	0.94	0.86	1.39
CRMS 0163	1.83	1.87	1.95	1.97	1.90	1.98	1.93	1.84	1.85	1.63	1.76	1.91
CRMS 0162	1.65	1.44	1.71	1.74	1.76	1.92	1.99	1.78	1.30	1.05	1.19	1.80

V3PR8 HYST - cy 5 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.08	1.97	1.98	2.00	1.89	1.98	2.00	1.92	1.87	1.88	1.89	1.98
CRMS0276 - Just east of Wilkinson Canal	1.55	1.54	1.65	1.78	1.78	1.57	1.48	1.14	1.31	1.03	1.10	1.57
Barataria Waterway at Lafitte (USACE82875)	1.75	1.83	1.89	1.93	1.85	1.90	1.69	1.72	1.81	1.53	1.65	1.87
USGS2928590900040000 Barataria Waterway South of Lafitte	2.58	2.11	1.91	1.96	1.85	1.94	1.93	1.16	1.03	1.18	1.64	1.90
USGS7380251 Barataria Bay North of Grand Isle	1.78	1.58	1.78	1.85	1.78	1.83	1.69	1.05	0.90	0.87	1.05	1.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.76	1.62	1.82	1.89	1.80	1.86	1.83	1.06	0.94	0.86	0.94	1.83
USGS 07380335 - Little Lake Near Cutoff	1.58	1.54	1.74	1.82	1.75	1.72	1.60	1.01	0.94	0.81	0.81	1.70
USGS073802516 Barataria Pass at Grand Isle	1.57	1.51	1.66	1.70	1.59	1.44	1.37	0.94	0.83	0.75	0.77	1.62
HWQ14 - Lake Washington	1.68	1.55	1.59	1.60	1.48	1.36	1.28	0.98	0.80	0.77	0.87	1.52
HWQ16 - Bayou Grand Liard	1.24	1.31	1.49	1.59	1.52	1.31	1.07	0.85	0.85	0.68	0.70	1.30
CRMS 3985	1.62	1.48	1.63	1.62	1.57	1.49	1.37	1.01	0.88	0.88	1.00	1.57
CRMS 0258	1.82	1.66	1.73	1.84	1.74	1.75	1.72	1.15	1.23	0.98	0.99	1.70
CRMS 0224	1.76	1.63	1.77	1.86	1.75	1.82	1.81	1.06	1.09	0.90	0.89	1.74
CRMS 0163	1.82	1.82	1.92	1.93	1.87	1.95	1.84	1.85	1.83	1.53	1.74	1.90
CRMS 0162	1.62	1.37	1.65	1.71	1.72	1.91	1.99	1.76	1.22	0.98	1.16	1.76

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.42	0.40	0.74	0.82	0.82	1.00	1.12	1.05	0.97	1.01	0.95	0.66
CRMS0276 - Just east of Wilkinson Canal	0.02	-0.05	-0.09	-0.05	-0.05	-0.10	0.26	0.12	-0.02	-0.07	-0.04	-0.04
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.03	-0.04	-0.03	-0.04	-0.06	-0.20	-0.05	0.00	-0.12	0.05	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.91	0.47	0.51	0.55	0.54	0.82	1.08	0.34	0.04	0.26	0.73	0.57
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.14	0.71	0.96	1.00	1.04	0.80	0.12	-0.03	0.00	0.05	0.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.31	0.10	0.44	0.68	0.77	0.94	1.03	0.30	0.06	0.05	0.18	0.60
USGS 07380335 - Little Lake Near Cutoff	0.21	0.05	0.28	0.48	0.55	0.67	0.75	0.22	0.04	-0.01	0.05	0.47
USGS073802516 Barataria Pass at Grand Isle	0.19	0.05	0.33	0.53	0.57	0.50	0.56	0.19	0.03	0.01	0.05	0.48
HWQ14 - Lake Washington	0.17	0.07	0.45	0.72	0.72	0.61	0.52	0.23	0.03	0.01	0.04	0.32
HWQ16 - Bayou Grand Liard	0.07	0.01	0.12	0.22	0.17	0.09	0.13	0.06	0.00	-0.01	-0.01	0.17
CRMS 3985	0.04	0.15	0.70	0.86	0.88	0.74	0.39	-0.05	-0.14	-0.08	-0.12	0.13
CRMS 0258	0.17	-0.01	0.08	0.11	0.02	0.44	0.79	0.24	-0.12	-0.08	-0.03	0.15
CRMS 0224	0.22	0.03	0.22	0.30	0.25	0.66	0.98	0.27	-0.04	-0.04	0.04	0.36
CRMS 0163	-0.01	-0.05	-0.03	-0.04	-0.03	-0.03	-0.09	0.01	-0.03	-0.10	-0.02	0.00
CRMS 0162	-0.04	-0.08	-0.06	-0.03	-0.04	-0.01	0.01	-0.02	-0.08	-0.07	-0.03	-0.05

Figure WQ TOTN 235 - Monthly Average Total Nitrogen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.45	1.30	1.20	0.96	0.84	0.71	0.67	0.75	0.79	0.79	1.04
CRMS0276 - Just east of Wilkinson Canal	1.26	1.61	1.76	1.81	1.83	1.70	1.33	1.01	1.39	1.26	1.12	1.19
Barataria Waterway at Lafitte (USACE82875)	1.63	1.85	1.92	1.90	1.97	1.99	1.90	1.79	1.85	1.72	1.56	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.48	1.35	1.39	1.15	0.98	0.70	0.65	0.90	0.89	0.78	1.04
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.45	1.32	0.99	0.73	0.67	0.64	0.66	0.72	0.74	0.85	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.09	1.38	1.38	1.21	0.94	0.80	0.72	0.66	0.77	0.77	0.73	0.95
USGS 07380335 - Little Lake Near Cutoff	1.04	1.37	1.44	1.34	1.08	0.94	0.85	0.74	0.84	0.85	0.76	0.93
USGS073802516 Barataria Pass at Grand Isle	1.04	1.32	1.33	1.18	0.95	0.83	0.78	0.70	0.69	0.72	0.69	0.88
HWQ14 - Lake Washington	1.19	1.36	1.27	0.95	0.74	0.66	0.62	0.60	0.60	0.63	0.72	0.96
HWQ16 - Bayou Grand Liard	0.95	1.27	1.40	1.40	1.29	1.11	0.99	0.80	0.83	0.76	0.70	0.81
CRMS 3985	1.41	1.48	1.36	0.91	0.67	0.63	0.63	0.72	0.81	0.81	0.97	1.26
CRMS 0258	1.27	1.59	1.61	1.68	1.51	1.32	0.87	0.80	1.35	1.16	0.98	1.19
CRMS 0224	1.15	1.49	1.50	1.54	1.32	1.08	0.75	0.68	1.09	0.97	0.82	1.06
CRMS 0163	1.77	1.88	1.95	1.91	1.99	2.00	1.95	1.85	1.86	1.73	1.70	1.77
CRMS 0162	1.70	1.69	1.77	1.78	1.82	1.90	2.00	1.80	1.48	1.38	1.12	1.35

V3PR9 HYST - cy 5 - 2008 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.43	1.26	1.14	0.92	0.80	0.72	0.69	0.71	0.75	0.73	0.98
CRMS0276 - Just east of Wilkinson Canal	1.20	1.54	1.67	1.75	1.75	1.56	1.07	0.84	1.19	1.04	0.90	1.26
Barataria Waterway at Lafitte (USACE82875)	1.54	1.82	1.87	1.87	1.94	1.95	1.77	1.53	1.65	1.44	1.46	1.59
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.45	1.27	1.32	1.10	0.93	0.69	0.65	0.80	0.81	0.67	0.94
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.43	1.32	0.96	0.72	0.66	0.75	0.74	0.74	0.74	0.83	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.35	1.31	1.16	0.90	0.75	0.65	0.61	0.69	0.70	0.58	0.87
USGS 07380335 - Little Lake Near Cutoff	1.04	1.33	1.37	1.29	1.02	0.87	0.72	0.64	0.74	0.75	0.58	0.88
USGS073802516 Barataria Pass at Grand Isle	1.05	1.29	1.28	1.12	0.89	0.76	0.67	0.61	0.63	0.65	0.57	0.82
HWQ14 - Lake Washington	1.20	1.35	1.25	0.92	0.71	0.63	0.63	0.60	0.60	0.62	0.67	0.92
HWQ16 - Bayou Grand Liard	0.94	1.23	1.32	1.32	1.18	0.99	0.81	0.68	0.73	0.66	0.57	0.85
CRMS 3985	1.41	1.46	1.39	0.91	0.66	0.64	0.86	0.82	0.84	0.82	0.99	1.25
CRMS 0258	1.26	1.54	1.51	1.63	1.44	1.26	0.81	0.75	1.20	1.03	0.71	1.13
CRMS 0224	1.15	1.44	1.40	1.47	1.25	1.01	0.68	0.63	0.94	0.87	0.61	0.98
CRMS 0163	1.69	1.84	1.91	1.89	1.98	1.97	1.86	1.75	1.67	1.46	1.61	1.61
CRMS 0162	1.59	1.57	1.72	1.73	1.75	1.84	1.95	1.66	1.19	1.12	1.16	1.37

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.03	-0.04	-0.06	-0.04	-0.04	0.01	0.03	-0.04	-0.04	-0.06	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.07	-0.08	-0.05	-0.08	-0.14	-0.26	-0.17	-0.20	-0.21	-0.22	0.07
Barataria Waterway at Lafitte (USACE82875)	-0.09	-0.04	-0.04	-0.03	-0.03	-0.04	-0.13	-0.26	-0.21	-0.28	-0.10	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	-0.04	-0.08	-0.07	-0.05	-0.05	-0.01	0.00	-0.10	-0.07	-0.12	-0.10
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.02	0.00	-0.03	-0.02	-0.01	0.10	0.08	0.02	0.00	-0.02	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	-0.03	-0.07	-0.05	-0.04	-0.05	-0.07	-0.06	-0.07	-0.07	-0.15	-0.08
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.04	-0.08	-0.06	-0.06	-0.07	-0.13	-0.10	-0.10	-0.10	-0.18	-0.05
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.03	-0.06	-0.06	-0.05	-0.07	-0.11	-0.09	-0.06	-0.07	-0.12	-0.05
HWQ14 - Lake Washington	0.01	-0.02	-0.02	-0.03	-0.03	-0.03	0.00	0.01	0.00	-0.01	-0.05	-0.05
HWQ16 - Bayou Grand Liard	-0.01	-0.04	-0.08	-0.09	-0.11	-0.13	-0.18	-0.12	-0.10	-0.10	-0.13	0.03
CRMS 3985	0.00	-0.02	0.03	0.00	-0.01	0.01	0.23	0.10	0.03	0.01	0.01	0.00
CRMS 0258	-0.01	-0.05	-0.10	-0.06	-0.07	-0.05	-0.06	-0.05	-0.15	-0.14	-0.27	-0.05
CRMS 0224	0.00	-0.05	-0.10	-0.07	-0.07	-0.06	-0.07	-0.06	-0.14	-0.11	-0.21	-0.08
CRMS 0163	-0.07	-0.04	-0.03	-0.02	-0.02	-0.03	-0.09	-0.10	-0.19	-0.27	-0.09	-0.16
CRMS 0162	-0.11	-0.13	-0.05	-0.05	-0.06	-0.05	-0.05	-0.14	-0.29	-0.27	0.04	0.02

Figure WQ TOTN 236 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.64	1.70	1.48	1.27	1.09	0.99	0.84	0.79	0.81	0.79	0.89	1.28
CRMS0276 - Just east of Wilkinson Canal	1.47	1.75	1.84	1.86	1.91	1.50	0.93	0.87	1.14	0.93	1.13	1.49
Barataria Waterway at Lafitte (USACE82875)	1.74	1.92	1.95	1.98	2.00	1.97	1.78	1.60	1.67	1.46	1.61	1.86
USGS2928590900040000 Barataria Waterway South of Lafitte	1.63	1.72	1.54	1.43	1.29	1.13	0.85	0.77	0.87	0.80	0.85	1.28
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.67	1.47	1.11	0.85	0.82	0.82	0.88	0.88	0.83	0.98	1.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.40	1.61	1.58	1.30	1.06	0.92	0.76	0.68	0.79	0.71	0.71	1.17
USGS 07380335 - Little Lake Near Cutoff	1.31	1.59	1.63	1.40	1.21	1.00	0.77	0.66	0.79	0.70	0.71	1.15
USGS073802516 Barataria Pass at Grand Isle	1.32	1.55	1.53	1.26	1.06	0.91	0.74	0.64	0.72	0.65	0.68	1.09
HWQ14 - Lake Washington	1.48	1.61	1.45	1.08	0.85	0.79	0.74	0.70	0.74	0.71	0.79	1.17
HWQ16 - Bayou Grand Liard	1.11	1.44	1.53	1.41	1.38	1.02	0.70	0.64	0.73	0.60	0.69	1.04
CRMS 3985	1.65	1.67	1.49	1.06	0.80	0.78	0.86	1.03	0.99	0.93	1.11	1.43
CRMS 0258	1.59	1.76	1.75	1.71	1.66	1.37	0.90	0.78	1.15	0.92	0.96	1.49
CRMS 0224	1.48	1.69	1.67	1.57	1.47	1.17	0.80	0.71	0.98	0.80	0.79	1.32
CRMS 0163	1.83	1.93	1.97	1.99	2.02	1.97	1.83	1.72	1.69	1.42	1.79	1.89
CRMS 0162	1.73	1.83	1.83	1.77	1.83	1.79	1.90	1.53	1.03	0.87	1.25	1.68

V3PR9 HYST - cy 5 - 1994 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.39	1.18	1.04	0.91	0.81	0.68	0.64	0.60	0.59	0.67	0.96
CRMS0276 - Just east of Wilkinson Canal	1.25	1.62	1.73	1.75	1.78	1.32	0.72	0.61	0.84	0.63	0.87	1.29
Barataria Waterway at Lafitte (USACE82875)	1.60	1.85	1.91	1.93	1.96	1.84	1.42	1.13	1.12	0.96	1.48	1.77
USGS2928590900040000 Barataria Waterway South of Lafitte	1.27	1.44	1.22	1.21	1.11	0.93	0.65	0.59	0.58	0.54	0.57	0.93
USGS7380251 Barataria Bay North of Grand Isle	1.28	1.36	1.20	0.86	0.69	0.65	0.75	0.76	0.74	0.69	0.81	1.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.35	1.28	1.06	0.87	0.74	0.59	0.51	0.55	0.50	0.51	0.85
USGS 07380335 - Little Lake Near Cutoff	1.06	1.37	1.37	1.19	1.02	0.83	0.59	0.49	0.55	0.48	0.51	0.86
USGS073802516 Barataria Pass at Grand Isle	1.05	1.30	1.25	1.03	0.86	0.73	0.57	0.49	0.53	0.47	0.50	0.80
HWQ14 - Lake Washington	1.15	1.30	1.16	0.83	0.67	0.62	0.62	0.57	0.60	0.56	0.63	0.89
HWQ16 - Bayou Grand Liard	0.97	1.29	1.36	1.25	1.18	0.87	0.57	0.53	0.55	0.45	0.55	0.84
CRMS 3985	1.31	1.38	1.25	0.80	0.63	0.65	0.89	0.95	0.88	0.82	0.99	1.15
CRMS 0258	1.27	1.58	1.51	1.55	1.49	1.20	0.70	0.57	0.81	0.63	0.59	1.23
CRMS 0224	1.16	1.47	1.39	1.37	1.26	0.98	0.61	0.52	0.65	0.54	0.52	1.00
CRMS 0163	1.73	1.88	1.94	1.94	1.99	1.88	1.65	1.42	1.03	0.95	1.68	1.82
CRMS 0162	1.63	1.75	1.77	1.70	1.72	1.58	1.65	1.32	0.78	0.74	1.20	1.50

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.34	-0.30	-0.30	-0.23	-0.18	-0.18	-0.16	-0.15	-0.21	-0.20	-0.22	-0.32
CRMS0276 - Just east of Wilkinson Canal	-0.22	-0.13	-0.12	-0.12	-0.13	-0.18	-0.22	-0.26	-0.30	-0.30	-0.26	-0.20
Barataria Waterway at Lafitte (USACE82875)	-0.14	-0.07	-0.05	-0.05	-0.04	-0.13	-0.35	-0.47	-0.56	-0.50	-0.13	-0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.36	-0.28	-0.32	-0.22	-0.19	-0.20	-0.20	-0.18	-0.29	-0.26	-0.27	-0.34
USGS7380251 Barataria Bay North of Grand Isle	-0.34	-0.31	-0.27	-0.25	-0.16	-0.16	-0.07	-0.11	-0.14	-0.14	-0.17	-0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.30	-0.26	-0.30	-0.24	-0.19	-0.18	-0.17	-0.17	-0.23	-0.21	-0.20	-0.33
USGS 07380335 - Little Lake Near Cutoff	-0.25	-0.22	-0.25	-0.22	-0.19	-0.18	-0.17	-0.16	-0.24	-0.21	-0.20	-0.29
USGS073802516 Barataria Pass at Grand Isle	-0.27	-0.25	-0.28	-0.23	-0.19	-0.18	-0.17	-0.15	-0.20	-0.18	-0.18	-0.29
HWQ14 - Lake Washington	-0.33	-0.30	-0.29	-0.25	-0.17	-0.17	-0.13	-0.13	-0.14	-0.15	-0.17	-0.28
HWQ16 - Bayou Grand Liard	-0.13	-0.14	-0.17	-0.16	-0.20	-0.16	-0.13	-0.12	-0.19	-0.14	-0.14	-0.20
CRMS 3985	-0.33	-0.29	-0.23	-0.26	-0.17	-0.13	0.03	-0.08	-0.11	-0.12	-0.12	-0.28
CRMS 0258	-0.32	-0.19	-0.24	-0.16	-0.17	-0.17	-0.20	-0.21	-0.35	-0.29	-0.37	-0.26
CRMS 0224	-0.32	-0.22	-0.28	-0.21	-0.20	-0.19	-0.19	-0.19	-0.32	-0.27	-0.28	-0.32
CRMS 0163	-0.10	-0.05	-0.03	-0.05	-0.03	-0.08	-0.19	-0.30	-0.66	-0.47	-0.11	-0.07
CRMS 0162	-0.10	-0.08	-0.05	-0.07	-0.11	-0.21	-0.25	-0.20	-0.25	-0.13	-0.05	-0.17

Figure WQ TOTN 237 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.60	1.53	1.05	1.08	0.96	0.87	0.77	0.76	0.74	0.74	1.04	1.37
CRMS0276 - Just east of Wilkinson Canal	1.34	1.67	1.65	1.67	1.63	1.33	0.74	0.63	0.88	0.96	1.33	1.48
Barataria Waterway at Lafitte (USACE82875)	1.64	1.89	1.92	1.90	1.89	1.94	1.46	1.16	1.11	1.65	1.73	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.58	1.61	1.21	1.30	1.15	1.02	0.76	0.72	0.72	0.71	1.02	1.36
USGS7380251 Barataria Bay North of Grand Isle	1.58	1.37	0.93	0.87	0.75	0.74	0.88	0.91	0.87	0.83	1.08	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.33	1.50	1.24	1.06	0.89	0.82	0.68	0.59	0.67	0.64	0.86	1.29
USGS 07380335 - Little Lake Near Cutoff	1.22	1.49	1.33	1.16	0.98	0.88	0.65	0.53	0.64	0.62	0.87	1.25
USGS073802516 Barataria Pass at Grand Isle	1.26	1.44	1.21	1.00	0.86	0.80	0.64	0.54	0.62	0.59	0.79	1.20
HWQ14 - Lake Washington	1.47	1.42	0.99	0.81	0.72	0.71	0.72	0.67	0.71	0.68	0.88	1.29
HWQ16 - Bayou Grand Liard	1.01	1.34	1.27	1.17	1.05	0.87	0.57	0.53	0.61	0.56	0.80	1.07
CRMS 3985	1.57	1.22	0.91	0.82	0.71	0.77	1.04	1.09	1.00	0.96	1.20	1.50
CRMS 0258	1.50	1.71	1.51	1.61	1.50	1.20	0.75	0.67	0.89	0.86	1.25	1.50
CRMS 0224	1.40	1.62	1.40	1.41	1.26	1.05	0.71	0.62	0.77	0.73	1.02	1.39
CRMS 0163	1.75	1.90	1.94	1.84	1.93	1.87	1.58	1.39	1.12	1.66	1.85	1.86
CRMS 0162	1.56	1.67	1.50	1.44	1.47	1.42	1.40	1.13	0.74	1.03	1.41	1.61

V3PR9 HYST - cy 5 - 2006 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.38	1.15	1.02	0.82	0.70	0.62	0.60	0.56	0.56	0.76	1.11
CRMS0276 - Just east of Wilkinson Canal	1.14	1.51	1.49	1.54	1.40	1.07	0.54	0.46	0.64	0.60	1.08	1.32
Barataria Waterway at Lafitte (USACE82875)	1.47	1.76	1.83	1.81	1.77	1.80	0.93	0.61	0.81	1.06	1.64	1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.40	1.14	1.18	0.95	0.80	0.58	0.54	0.50	0.49	0.68	1.11
USGS7380251 Barataria Bay North of Grand Isle	1.35	1.40	1.27	0.92	0.72	0.64	0.75	0.76	0.72	0.69	0.87	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.30	1.21	1.03	0.77	0.66	0.52	0.45	0.49	0.46	0.57	1.01
USGS 07380335 - Little Lake Near Cutoff	1.03	1.30	1.24	1.11	0.83	0.71	0.50	0.42	0.47	0.44	0.59	1.00
USGS073802516 Barataria Pass at Grand Isle	1.06	1.25	1.18	0.98	0.74	0.63	0.49	0.42	0.47	0.44	0.55	0.93
HWQ14 - Lake Washington	1.21	1.32	1.20	0.87	0.68	0.60	0.59	0.54	0.57	0.54	0.67	1.02
HWQ16 - Bayou Grand Liard	0.92	1.21	1.16	1.10	0.87	0.70	0.46	0.47	0.48	0.43	0.64	0.90
CRMS 3985	1.43	1.44	1.38	0.93	0.75	0.69	0.93	0.98	0.87	0.84	1.04	1.27
CRMS 0258	1.22	1.50	1.30	1.46	1.24	0.99	0.57	0.49	0.62	0.52	0.82	1.32
CRMS 0224	1.14	1.40	1.25	1.29	1.03	0.85	0.54	0.46	0.52	0.46	0.64	1.15
CRMS 0163	1.61	1.77	1.88	1.75	1.84	1.76	1.04	0.82	0.80	1.12	1.78	1.79
CRMS 0162	1.42	1.48	1.42	1.29	1.27	1.17	0.91	0.86	0.68	0.79	1.34	1.46

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.28	-0.14	0.10	-0.06	-0.14	-0.17	-0.16	-0.16	-0.18	-0.18	-0.28	-0.26
CRMS0276 - Just east of Wilkinson Canal	-0.20	-0.17	-0.16	-0.13	-0.23	-0.26	-0.20	-0.17	-0.24	-0.36	-0.24	-0.16
Barataria Waterway at Lafitte (USACE82875)	-0.17	-0.13	-0.09	-0.08	-0.11	-0.14	-0.53	-0.56	-0.30	-0.60	-0.09	-0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.30	-0.22	-0.07	-0.12	-0.21	-0.22	-0.18	-0.18	-0.22	-0.22	-0.34	-0.25
USGS7380251 Barataria Bay North of Grand Isle	-0.23	0.03	0.34	0.05	-0.03	-0.10	-0.13	-0.14	-0.15	-0.14	-0.21	-0.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.23	-0.20	-0.03	-0.03	-0.12	-0.16	-0.16	-0.14	-0.18	-0.19	-0.29	-0.28
USGS 07380335 - Little Lake Near Cutoff	-0.19	-0.19	-0.10	-0.05	-0.15	-0.18	-0.15	-0.11	-0.17	-0.19	-0.28	-0.26
USGS073802516 Barataria Pass at Grand Isle	-0.21	-0.19	-0.03	-0.02	-0.12	-0.17	-0.15	-0.12	-0.16	-0.16	-0.24	-0.27
HWQ14 - Lake Washington	-0.26	-0.10	0.21	0.06	-0.05	-0.11	-0.12	-0.13	-0.14	-0.14	-0.22	-0.28
HWQ16 - Bayou Grand Liard	-0.09	-0.13	-0.11	-0.07	-0.18	-0.18	-0.11	-0.06	-0.13	-0.13	-0.17	-0.16
CRMS 3985	-0.14	0.22	0.47	0.11	0.03	-0.07	-0.10	-0.11	-0.13	-0.12	-0.16	-0.22
CRMS 0258	-0.28	-0.21	-0.21	-0.15	-0.26	-0.21	-0.19	-0.19	-0.27	-0.35	-0.42	-0.19
CRMS 0224	-0.26	-0.22	-0.16	-0.12	-0.24	-0.20	-0.17	-0.16	-0.25	-0.27	-0.38	-0.23
CRMS 0163	-0.14	-0.14	-0.06	-0.10	-0.09	-0.11	-0.54	-0.58	-0.32	-0.54	-0.07	-0.06
CRMS 0162	-0.14	-0.19	-0.08	-0.16	-0.20	-0.25	-0.50	-0.26	-0.06	-0.24	-0.07	-0.16

Figure WQ TOTN 238 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.61	1.71	1.46	1.24	1.05	1.01	0.91	0.89	0.96	0.90	0.99	1.30
CRMS0276 - Just east of Wilkinson Canal	1.45	1.80	1.82	1.84	1.78	1.70	1.24	1.12	1.41	1.18	1.20	1.35
Barataria Waterway at Lafitte (USACE82875)	1.76	1.94	1.96	1.96	1.95	1.99	1.88	1.84	1.83	1.71	1.61	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	1.59	1.74	1.51	1.42	1.24	1.18	0.89	0.86	1.07	0.96	0.96	1.29
USGS7380251 Barataria Bay North of Grand Isle	1.60	1.68	1.47	1.08	0.84	0.82	0.92	0.95	0.95	0.90	1.04	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.38	1.64	1.55	1.27	0.99	0.93	0.82	0.79	0.93	0.84	0.85	1.17
USGS 07380335 - Little Lake Near Cutoff	1.30	1.62	1.59	1.38	1.10	1.05	0.87	0.83	0.95	0.86	0.85	1.12
USGS073802516 Barataria Pass at Grand Isle	1.31	1.57	1.51	1.23	0.97	0.92	0.82	0.79	0.84	0.78	0.80	1.09
HWQ14 - Lake Washington	1.47	1.62	1.44	1.04	0.82	0.77	0.78	0.77	0.80	0.77	0.88	1.21
HWQ16 - Bayou Grand Liard	1.13	1.49	1.49	1.37	1.20	1.14	0.91	0.84	0.88	0.73	0.75	0.97
CRMS 3985	1.64	1.68	1.49	1.03	0.79	0.80	1.02	1.08	1.04	0.98	1.15	1.47
CRMS 0258	1.53	1.79	1.71	1.72	1.58	1.44	0.99	0.95	1.44	1.12	1.12	1.37
CRMS 0224	1.44	1.72	1.64	1.57	1.36	1.23	0.86	0.83	1.20	0.98	0.95	1.26
CRMS 0163	1.86	1.95	1.97	1.93	1.99	1.99	1.92	1.88	1.87	1.72	1.75	1.83
CRMS 0162	1.81	1.87	1.75	1.70	1.69	1.87	1.98	1.82	1.42	1.22	1.18	1.45

V3PR9 HYST - cy 5 - 2010 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.41	1.17	1.01	0.86	0.80	0.72	0.70	0.71	0.67	0.71	0.96
CRMS0276 - Just east of Wilkinson Canal	1.17	1.67	1.70	1.70	1.60	1.51	0.95	0.83	1.13	0.85	0.90	1.09
Barataria Waterway at Lafitte (USACE82875)	1.56	1.88	1.91	1.91	1.87	1.93	1.71	1.53	1.52	1.24	1.48	1.59
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.46	1.22	1.19	1.02	0.96	0.67	0.65	0.76	0.68	0.63	0.89
USGS7380251 Barataria Bay North of Grand Isle	1.28	1.38	1.18	0.83	0.68	0.65	0.76	0.79	0.78	0.73	0.83	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.03	1.37	1.27	1.03	0.80	0.74	0.62	0.58	0.67	0.60	0.55	0.78
USGS 07380335 - Little Lake Near Cutoff	0.98	1.39	1.35	1.16	0.90	0.86	0.67	0.61	0.70	0.62	0.55	0.75
USGS073802516 Barataria Pass at Grand Isle	0.99	1.32	1.24	0.99	0.78	0.73	0.62	0.57	0.62	0.56	0.54	0.73
HWQ14 - Lake Washington	1.14	1.31	1.15	0.80	0.65	0.60	0.62	0.60	0.63	0.60	0.66	0.89
HWQ16 - Bayou Grand Liard	0.93	1.34	1.33	1.20	1.00	0.94	0.72	0.65	0.69	0.56	0.57	0.73
CRMS 3985	1.34	1.40	1.22	0.79	0.63	0.66	0.89	0.93	0.89	0.84	1.00	1.25
CRMS 0258	1.17	1.61	1.50	1.54	1.36	1.26	0.78	0.74	1.13	0.84	0.67	1.05
CRMS 0224	1.07	1.51	1.38	1.35	1.13	1.02	0.65	0.61	0.90	0.71	0.57	0.87
CRMS 0163	1.72	1.91	1.94	1.85	1.95	1.94	1.81	1.74	1.53	1.26	1.63	1.63
CRMS 0162	1.73	1.83	1.70	1.61	1.58	1.79	1.90	1.67	1.11	0.92	1.17	1.31

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.34	-0.30	-0.29	-0.23	-0.19	-0.21	-0.19	-0.19	-0.25	-0.23	-0.28	-0.35
CRMS0276 - Just east of Wilkinson Canal	-0.29	-0.12	-0.13	-0.13	-0.18	-0.19	-0.29	-0.30	-0.27	-0.33	-0.30	-0.27
Barataria Waterway at Lafitte (USACE82875)	-0.20	-0.06	-0.05	-0.05	-0.08	-0.06	-0.18	-0.31	-0.32	-0.46	-0.13	-0.21
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.37	-0.28	-0.29	-0.22	-0.21	-0.23	-0.22	-0.20	-0.31	-0.28	-0.33	-0.39
USGS7380251 Barataria Bay North of Grand Isle	-0.32	-0.30	-0.29	-0.24	-0.17	-0.17	-0.16	-0.16	-0.18	-0.17	-0.21	-0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.35	-0.27	-0.28	-0.25	-0.19	-0.19	-0.20	-0.21	-0.26	-0.24	-0.30	-0.39
USGS 07380335 - Little Lake Near Cutoff	-0.32	-0.23	-0.24	-0.22	-0.20	-0.20	-0.21	-0.22	-0.25	-0.24	-0.30	-0.37
USGS073802516 Barataria Pass at Grand Isle	-0.32	-0.25	-0.27	-0.24	-0.19	-0.19	-0.20	-0.22	-0.22	-0.21	-0.26	-0.35
HWQ14 - Lake Washington	-0.33	-0.30	-0.29	-0.24	-0.17	-0.17	-0.16	-0.17	-0.18	-0.17	-0.22	-0.32
HWQ16 - Bayou Grand Liard	-0.21	-0.16	-0.16	-0.17	-0.21	-0.20	-0.19	-0.20	-0.20	-0.17	-0.19	-0.24
CRMS 3985	-0.31	-0.28	-0.27	-0.24	-0.16	-0.15	-0.13	-0.15	-0.15	-0.14	-0.15	-0.22
CRMS 0258	-0.36	-0.18	-0.22	-0.18	-0.22	-0.18	-0.21	-0.21	-0.30	-0.29	-0.45	-0.32
CRMS 0224	-0.37	-0.22	-0.26	-0.22	-0.23	-0.20	-0.22	-0.22	-0.31	-0.27	-0.38	-0.39
CRMS 0163	-0.14	-0.04	-0.03	-0.07	-0.05	-0.05	-0.10	-0.14	-0.34	-0.46	-0.12	-0.20
CRMS 0162	-0.08	-0.04	-0.04	-0.09	-0.11	-0.08	-0.08	-0.16	-0.31	-0.30	-0.01	-0.14

Figure WQ TOTN 239 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.66	1.57	1.24	1.18	1.07	0.98	0.88	0.87	0.89	0.87	0.94	1.32
CRMS0276 - Just east of Wilkinson Canal	1.53	1.59	1.74	1.83	1.83	1.67	1.22	1.02	1.34	1.09	1.14	1.61
Barataria Waterway at Lafitte (USACE82875)	1.77	1.86	1.93	1.96	1.89	1.96	1.88	1.76	1.82	1.64	1.60	1.89
USGS2928590900040000 Barataria Waterway South of Lafitte	1.67	1.64	1.39	1.41	1.32	1.13	0.85	0.82	0.99	0.92	0.91	1.33
USGS7380251 Barataria Bay North of Grand Isle	1.61	1.44	1.06	0.89	0.77	0.78	0.88	0.93	0.92	0.88	1.00	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.45	1.53	1.38	1.21	1.03	0.92	0.79	0.76	0.88	0.81	0.77	1.23
USGS 07380335 - Little Lake Near Cutoff	1.37	1.49	1.46	1.35	1.20	1.05	0.85	0.78	0.90	0.82	0.76	1.23
USGS073802516 Barataria Pass at Grand Isle	1.38	1.47	1.33	1.17	1.02	0.94	0.82	0.75	0.80	0.74	0.73	1.14
HWQ14 - Lake Washington	1.52	1.48	1.14	0.88	0.77	0.76	0.76	0.75	0.78	0.76	0.83	1.20
HWQ16 - Bayou Grand Liard	1.17	1.30	1.37	1.37	1.35	1.21	0.94	0.79	0.84	0.69	0.70	1.13
CRMS 3985	1.57	1.33	0.93	0.76	0.69	0.75	0.97	1.06	1.02	0.96	1.12	1.45
CRMS 0258	1.65	1.67	1.65	1.73	1.72	1.31	0.94	0.91	1.35	1.07	1.02	1.55
CRMS 0224	1.54	1.60	1.54	1.56	1.50	1.16	0.83	0.79	1.13	0.94	0.86	1.39
CRMS 0163	1.83	1.87	1.95	1.97	1.90	1.98	1.93	1.84	1.85	1.63	1.76	1.91
CRMS 0162	1.65	1.44	1.71	1.74	1.76	1.92	1.99	1.78	1.30	1.05	1.19	1.80

V3PR9 HYST - cy 5 - 2011 (FWP)												
	monthly average TotN (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.01	1.25	1.13	1.09	0.92	0.83	0.71	0.68	0.57	0.45	0.39	0.59
CRMS0276 - Just east of Wilkinson Canal	1.25	1.52	1.61	1.70	1.72	1.52	0.95	0.81	1.07	0.79	0.85	1.43
Barataria Waterway at Lafitte (USACE82875)	1.62	1.74	1.84	1.90	1.84	1.90	1.70	1.52	1.44	1.13	1.47	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.32	1.15	1.27	1.14	0.97	0.67	0.63	0.66	0.53	0.42	0.73
USGS7380251 Barataria Bay North of Grand Isle	0.96	1.23	1.20	0.93	0.70	0.65	0.74	0.68	0.47	0.37	0.34	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.94	1.24	1.18	1.09	0.90	0.78	0.62	0.58	0.58	0.49	0.42	0.69
USGS 07380335 - Little Lake Near Cutoff	0.98	1.27	1.25	1.20	1.06	0.91	0.68	0.61	0.64	0.54	0.47	0.82
USGS073802516 Barataria Pass at Grand Isle	0.91	1.19	1.15	1.05	0.89	0.79	0.64	0.58	0.55	0.47	0.42	0.66
HWQ14 - Lake Washington	0.87	1.16	1.11	0.88	0.69	0.62	0.62	0.58	0.47	0.39	0.36	0.48
HWQ16 - Bayou Grand Liard	0.95	1.21	1.23	1.22	1.20	1.06	0.76	0.65	0.67	0.52	0.52	0.87
CRMS 3985	1.03	1.27	1.29	0.89	0.63	0.63	0.85	0.68	0.41	0.32	0.29	0.54
CRMS 0258	1.18	1.49	1.42	1.58	1.55	1.20	0.77	0.72	1.05	0.77	0.57	1.27
CRMS 0224	1.04	1.39	1.29	1.40	1.32	1.02	0.65	0.60	0.82	0.62	0.47	0.97
CRMS 0163	1.72	1.75	1.89	1.90	1.88	1.94	1.83	1.76	1.40	1.13	1.70	1.87
CRMS 0162	1.56	1.53	1.66	1.66	1.68	1.87	1.91	1.63	0.99	0.83	1.20	1.68

Difference (FWP-FWOP)												
	monthly average TotN difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.65	-0.32	-0.12	-0.08	-0.15	-0.15	-0.17	-0.19	-0.33	-0.42	-0.55	-0.73
CRMS0276 - Just east of Wilkinson Canal	-0.28	-0.06	-0.13	-0.13	-0.11	-0.15	-0.27	-0.22	-0.26	-0.30	-0.29	-0.17
Barataria Waterway at Lafitte (USACE82875)	-0.14	-0.12	-0.09	-0.06	-0.05	-0.06	-0.18	-0.25	-0.38	-0.51	-0.13	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.62	-0.32	-0.24	-0.14	-0.18	-0.16	-0.18	-0.19	-0.33	-0.39	-0.48	-0.61
USGS7380251 Barataria Bay North of Grand Isle	-0.64	-0.21	0.14	0.04	-0.08	-0.13	-0.14	-0.25	-0.45	-0.51	-0.66	-0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.51	-0.29	-0.20	-0.12	-0.13	-0.14	-0.17	-0.18	-0.30	-0.32	-0.35	-0.54
USGS 07380335 - Little Lake Near Cutoff	-0.39	-0.22	-0.21	-0.14	-0.14	-0.14	-0.18	-0.18	-0.26	-0.28	-0.29	-0.42
USGS073802516 Barataria Pass at Grand Isle	-0.47	-0.28	-0.18	-0.12	-0.13	-0.15	-0.17	-0.18	-0.24	-0.27	-0.31	-0.48
HWQ14 - Lake Washington	-0.65	-0.32	-0.03	0.00	-0.08	-0.13	-0.14	-0.17	-0.31	-0.36	-0.47	-0.72
HWQ16 - Bayou Grand Liard	-0.22	-0.09	-0.14	-0.14	-0.15	-0.15	-0.18	-0.14	-0.17	-0.17	-0.19	-0.26
CRMS 3985	-0.55	-0.06	0.36	0.13	-0.05	-0.12	-0.12	-0.38	-0.61	-0.65	-0.83	-0.90
CRMS 0258	-0.47	-0.18	-0.23	-0.15	-0.17	-0.12	-0.17	-0.19	-0.30	-0.30	-0.45	-0.28
CRMS 0224	-0.49	-0.22	-0.25	-0.16	-0.18	-0.14	-0.18	-0.19	-0.31	-0.32	-0.39	-0.42
CRMS 0163	-0.11	-0.11	-0.06	-0.07	-0.02	-0.04	-0.10	-0.07	-0.45	-0.50	-0.06	-0.03
CRMS 0162	-0.09	0.08	-0.05	-0.08	-0.08	-0.06	-0.08	-0.15	-0.31	-0.22	0.01	-0.12

Figure WQ TOTN 240 - Monthly Average Total Nitrogen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve

4.0 NITRATE (NO_3) DATA TABLES

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.76	0.43	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.27
CRMS0276 - Just east of Wilkinson Canal	0.97	1.22	1.00	0.57	0.28	0.11	0.09	0.22	0.48	0.52	0.60	0.84
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.36	0.64	0.31	0.05	0.01	0.00	0.09	0.03	0.97	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.69	0.25	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.23	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.96	0.67	0.03	0.01	0.03	0.09	0.10	0.18	0.10	0.35	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.88	0.43	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.60
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.43	0.08	0.02	0.04	0.12	0.19	0.29	0.19	0.37	0.61
USGS073802516 Barataria Pass at Grand Isle	0.85	0.90	0.40	0.07	0.01	0.01	0.03	0.05	0.16	0.03	0.27	0.56
HWQ14 - Lake Washington	0.92	0.92	0.51	0.01	0.01	0.02	0.08	0.08	0.21	0.11	0.32	0.69
HWQ16 - Bayou Grand Liard	0.81	0.97	0.78	0.56	0.49	0.39	0.43	0.25	0.44	0.32	0.38	0.58
CRMS 3985	1.09	1.10	0.86	0.12	0.05	0.12	0.31	0.37	0.41	0.33	0.59	1.02
CRMS 0258	0.80	0.87	0.73	0.07	0.01	0.00	0.01	0.00	0.03	0.04	0.54	0.61
CRMS 0224	0.75	0.80	0.25	0.06	0.00	0.00	0.01	0.00	0.07	0.04	0.35	0.52
CRMS 0163	1.31	1.37	1.26	1.14	1.09	0.25	0.01	0.01	0.28	0.54	1.26	1.31
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.25	1.33	1.21	1.17	1.34	1.36	1.40

V3PR2 HYST - cy 0 - 1970 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.33	1.28	1.25	1.21	1.31	1.12	0.96	0.93	1.09	1.30	1.37
CRMS0276 - Just east of Wilkinson Canal	1.09	1.21	0.80	0.46	0.23	0.08	0.05	0.15	0.50	0.53	0.64	0.90
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.34	0.60	0.27	0.04	0.01	0.00	0.09	0.03	0.96	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.27	1.32	1.28	1.23	1.22	1.34	0.19	0.00	0.16	0.25	1.10	1.32
USGS7380251 Barataria Bay North of Grand Isle	1.05	1.06	1.08	0.57	0.46	0.08	0.07	0.06	0.15	0.09	0.43	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.17	1.16	0.84	0.94	0.49	0.13	0.10	0.16	0.10	0.52	0.85
USGS 07380335 - Little Lake Near Cutoff	1.07	1.14	1.10	0.59	0.71	0.29	0.18	0.19	0.32	0.21	0.52	0.78
USGS073802516 Barataria Pass at Grand Isle	0.99	1.03	0.74	0.22	0.08	0.02	0.02	0.06	0.17	0.05	0.37	0.67
HWQ14 - Lake Washington	0.94	0.96	0.66	0.07	0.06	0.02	0.07	0.11	0.20	0.13	0.34	0.68
HWQ16 - Bayou Grand Liard	0.88	1.02	0.82	0.47	0.39	0.31	0.41	0.31	0.46	0.37	0.44	0.64
CRMS 3985	1.04	1.06	0.79	0.17	0.15	0.10	0.22	0.29	0.29	0.26	0.50	0.92
CRMS 0258	1.14	1.15	1.13	0.36	0.12	0.00	0.02	0.01	0.03	0.01	0.65	0.62
CRMS 0224	1.14	1.14	1.03	0.27	0.02	0.01	0.01	0.00	0.08	0.07	0.61	0.67
CRMS 0163	1.31	1.37	1.26	1.11	1.07	0.22	0.01	0.01	0.27	0.52	1.27	1.30
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.24	1.32	1.20	1.16	1.34	1.36	1.40

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.47	0.56	0.85	1.22	1.20	1.31	1.12	0.96	0.91	1.08	1.10	1.09
CRMS0276 - Just east of Wilkinson Canal	0.12	-0.01	-0.19	-0.10	-0.05	-0.03	-0.03	-0.07	0.02	0.01	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.02	-0.04	-0.04	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.54	0.62	1.03	1.22	1.21	1.33	0.18	0.00	0.15	0.25	0.87	1.06
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.11	0.41	0.54	0.45	0.04	-0.02	-0.04	-0.03	-0.01	0.09	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.29	0.73	0.81	0.93	0.45	0.07	0.02	0.01	0.02	0.19	0.25
USGS 07380335 - Little Lake Near Cutoff	0.23	0.23	0.68	0.51	0.69	0.26	0.06	0.00	0.02	0.02	0.15	0.18
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.34	0.14	0.07	0.01	0.00	0.01	0.01	0.01	0.10	0.11
HWQ14 - Lake Washington	0.02	0.04	0.15	0.07	0.05	0.00	0.00	0.03	-0.02	0.02	0.02	0.00
HWQ16 - Bayou Grand Liard	0.08	0.05	0.05	-0.08	-0.10	-0.07	-0.02	0.05	0.01	0.04	0.05	0.07
CRMS 3985	-0.05	-0.04	-0.07	0.05	0.10	-0.03	-0.08	-0.08	-0.13	-0.07	-0.09	-0.09
CRMS 0258	0.34	0.28	0.40	0.30	0.11	0.00	0.01	0.00	0.00	-0.03	0.11	0.00
CRMS 0224	0.39	0.34	0.78	0.22	0.02	0.00	0.00	0.00	0.00	0.04	0.26	0.15
CRMS 0163	0.00	0.00	0.00	-0.03	-0.03	-0.03	0.00	0.00	-0.01	-0.02	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00

Figure WQ NO3 1 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.87	0.40	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.42
CRMS0276 - Just east of Wilkinson Canal	1.06	1.29	1.17	0.78	0.46	0.15	0.09	0.18	0.48	0.42	0.45	0.95
Barataria Waterway at Lafitte (USACE82875)	1.47	1.39	1.34	1.12	0.58	0.05	0.02	0.00	0.11	0.03	0.92	1.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.88	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.34
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.95	0.59	0.01	0.01	0.02	0.08	0.10	0.19	0.07	0.31	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.92	0.41	0.06	0.01	0.04	0.07	0.11	0.13	0.06	0.24	0.56
USGS 07380335 - Little Lake Near Cutoff	0.87	0.97	0.45	0.15	0.04	0.04	0.10	0.23	0.28	0.13	0.23	0.59
USGS073802516 Barataria Pass at Grand Isle	0.86	0.93	0.39	0.09	0.01	0.01	0.02	0.08	0.16	0.02	0.19	0.54
HWQ14 - Lake Washington	0.90	0.91	0.43	0.01	0.01	0.02	0.10	0.17	0.22	0.07	0.29	0.65
HWQ16 - Bayou Grand Liard	0.85	1.05	0.88	0.64	0.57	0.40	0.48	0.44	0.50	0.20	0.23	0.63
CRMS 3985	1.08	1.05	0.74	0.04	0.05	0.10	0.25	0.31	0.40	0.27	0.57	0.97
CRMS 0258	1.00	1.14	0.84	0.06	0.01	0.02	0.05	0.00	0.02	0.01	0.50	0.88
CRMS 0224	0.86	0.98	0.29	0.09	0.00	0.00	0.01	0.00	0.06	0.01	0.30	0.59
CRMS 0163	1.32	1.21	1.15	1.18	1.16	0.26	0.01	0.01	0.29	0.44	1.26	1.28
CRMS 0162	1.31	1.21	1.17	1.21	1.22	1.27	1.35	1.22	1.23	1.30	1.37	1.32

V3PR2 HYST - cy 0 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01
CRMS0276 - Just east of Wilkinson Canal	0.89	1.12	0.65	0.59	0.32	0.11	0.01	0.09	0.42	0.39	0.43	0.86
Barataria Waterway at Lafitte (USACE82875)	1.53	1.46	1.40	1.17	0.66	0.05	0.02	0.00	0.11	0.03	0.95	1.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.01	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.05	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.69	0.34	0.19	0.01	0.00	0.01	0.02	0.03	0.12	0.11	0.32	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.41	0.13	0.05	0.01	0.00	0.00	0.01	0.00	0.01	0.01	0.15	0.23
USGS 07380335 - Little Lake Near Cutoff	0.47	0.21	0.04	0.01	0.00	0.00	0.01	0.01	0.08	0.02	0.13	0.25
USGS073802516 Barataria Pass at Grand Isle	0.61	0.45	0.08	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.12	0.35
HWQ14 - Lake Washington	0.81	0.66	0.31	0.00	0.00	0.01	0.01	0.01	0.11	0.04	0.26	0.61
HWQ16 - Bayou Grand Liard	0.77	0.73	0.34	0.20	0.15	0.19	0.35	0.37	0.42	0.13	0.16	0.51
CRMS 3985	1.08	0.85	0.68	0.07	0.01	0.05	0.14	0.24	0.36	0.40	0.69	0.91
CRMS 0258	0.40	0.36	0.22	0.09	0.02	0.00	0.00	0.00	0.00	0.00	0.32	0.13
CRMS 0224	0.28	0.18	0.03	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.10	0.06
CRMS 0163	1.34	1.26	1.19	1.22	1.19	0.24	0.01	0.01	0.26	0.38	1.25	1.29
CRMS 0162	1.34	1.27	1.24	1.27	1.28	1.29	1.36	1.24	1.26	1.31	1.38	1.36

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.81	-0.87	-0.40	-0.02	-0.01	0.00	0.00	0.00	-0.01	0.00	-0.14	-0.41
CRMS0276 - Just east of Wilkinson Canal	-0.18	-0.17	-0.52	-0.19	-0.14	-0.04	-0.08	-0.09	-0.06	-0.03	-0.03	-0.09
Barataria Waterway at Lafitte (USACE82875)	0.05	0.07	0.07	0.05	0.08	0.01	0.00	0.00	0.01	0.00	0.03	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.75	-0.88	-0.29	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	-0.16	-0.32
USGS7380251 Barataria Bay North of Grand Isle	-0.26	-0.61	-0.39	0.00	-0.01	-0.02	-0.06	-0.08	-0.07	0.04	0.00	-0.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.46	-0.79	-0.36	-0.06	-0.01	-0.03	-0.06	-0.11	-0.12	-0.05	-0.09	-0.33
USGS 07380335 - Little Lake Near Cutoff	-0.40	-0.76	-0.40	-0.15	-0.03	-0.03	-0.09	-0.22	-0.20	-0.12	-0.11	-0.33
USGS073802516 Barataria Pass at Grand Isle	-0.25	-0.48	-0.31	-0.09	-0.01	-0.01	-0.02	-0.08	-0.14	-0.01	-0.07	-0.19
HWQ14 - Lake Washington	-0.09	-0.25	-0.13	0.00	0.00	-0.02	-0.08	-0.15	-0.11	-0.03	-0.02	-0.05
HWQ16 - Bayou Grand Liard	-0.08	-0.32	-0.54	-0.44	-0.43	-0.21	-0.13	-0.07	-0.08	-0.07	-0.07	-0.12
CRMS 3985	0.00	-0.20	-0.06	0.03	-0.04	-0.05	-0.11	-0.07	-0.04	0.13	0.12	-0.06
CRMS 0258	-0.60	-0.78	-0.63	0.03	0.02	-0.02	-0.05	0.00	-0.02	-0.01	-0.18	-0.75
CRMS 0224	-0.58	-0.80	-0.26	-0.08	0.00	0.00	0.00	0.00	-0.05	0.00	-0.20	-0.53
CRMS 0163	0.03	0.05	0.04	0.04	0.04	-0.02	0.00	0.00	-0.03	-0.05	-0.01	0.01
CRMS 0162	0.04	0.06	0.06	0.06	0.06	0.02	0.01	0.02	0.02	0.01	0.01	0.04

Figure WQ NO3 2 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.77	0.28	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.24	0.46
CRMS0276 - Just east of Wilkinson Canal	0.95	1.23	0.92	0.55	0.14	0.11	0.12	0.20	0.50	0.48	0.58	0.96
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.42	0.05	0.02	0.01	0.00	0.08	0.03	0.97	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.67	0.20	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.21	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.98	0.96	0.65	0.04	0.01	0.03	0.07	0.09	0.21	0.12	0.39	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.88	0.42	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.62
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.41	0.08	0.01	0.03	0.10	0.16	0.25	0.18	0.35	0.64
USGS073802516 Barataria Pass at Grand Isle	0.86	0.90	0.39	0.06	0.01	0.01	0.02	0.04	0.15	0.04	0.27	0.59
HWQ14 - Lake Washington	0.93	0.93	0.53	0.01	0.01	0.02	0.06	0.10	0.24	0.11	0.34	0.71
HWQ16 - Bayou Grand Liard	0.79	0.98	0.72	0.50	0.38	0.31	0.27	0.13	0.31	0.23	0.37	0.67
CRMS 3985	1.13	1.09	0.90	0.16	0.14	0.13	0.27	0.36	0.45	0.37	0.63	1.02
CRMS 0258	0.69	0.84	0.38	0.05	0.03	0.00	0.01	0.00	0.03	0.05	0.57	0.76
CRMS 0224	0.75	0.78	0.19	0.06	0.00	0.00	0.01	0.01	0.08	0.04	0.32	0.53
CRMS 0163	1.37	1.30	1.30	0.97	0.43	0.03	0.01	0.00	0.23	0.48	1.26	1.30
CRMS 0162	1.39	1.30	1.34	1.29	1.23	1.20	1.31	1.10	1.03	1.34	1.35	1.35

V3PR2 HYST - cy 0 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.28	1.33	1.24	1.25	1.05	1.08	0.96	0.94	1.11	1.28	1.31
CRMS0276 - Just east of Wilkinson Canal	1.00	1.24	0.80	0.51	0.12	0.09	0.08	0.17	0.52	0.49	0.62	0.95
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.40	0.04	0.02	0.01	0.00	0.08	0.03	0.96	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.29	1.31	0.85	1.03	0.00	0.00	0.00	0.15	0.25	1.08	1.26
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.10	0.82	0.24	0.12	0.02	0.06	0.06	0.14	0.07	0.43	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.18	0.76	0.29	0.38	0.04	0.07	0.09	0.14	0.08	0.47	0.84
USGS 07380335 - Little Lake Near Cutoff	0.93	1.15	0.57	0.24	0.18	0.02	0.08	0.17	0.27	0.16	0.47	0.78
USGS073802516 Barataria Pass at Grand Isle	0.90	1.05	0.37	0.12	0.01	0.01	0.02	0.05	0.15	0.03	0.33	0.67
HWQ14 - Lake Washington	0.91	0.98	0.45	0.02	0.01	0.02	0.07	0.12	0.20	0.09	0.31	0.68
HWQ16 - Bayou Grand Liard	0.83	1.04	0.69	0.48	0.27	0.29	0.28	0.17	0.35	0.26	0.41	0.70
CRMS 3985	1.08	1.04	0.66	0.11	0.09	0.10	0.23	0.29	0.33	0.24	0.50	0.91
CRMS 0258	1.01	1.10	0.59	0.03	0.06	0.00	0.00	0.00	0.02	0.01	0.62	0.83
CRMS 0224	1.02	1.12	0.41	0.10	0.00	0.00	0.01	0.00	0.06	0.06	0.55	0.65
CRMS 0163	1.37	1.30	1.30	0.97	0.40	0.04	0.01	0.00	0.23	0.48	1.26	1.30
CRMS 0162	1.39	1.30	1.34	1.28	1.23	1.20	1.31	1.09	1.03	1.34	1.35	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.51	1.04	1.23	1.24	1.05	1.08	0.95	0.92	1.11	1.04	0.84
CRMS0276 - Just east of Wilkinson Canal	0.05	0.01	-0.12	-0.04	-0.02	-0.03	-0.04	-0.03	0.02	0.01	0.04	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.62	1.12	0.84	1.02	0.00	0.00	0.00	0.14	0.24	0.86	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.14	0.17	0.20	0.11	-0.01	-0.01	-0.03	-0.07	-0.05	0.04	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.31	0.34	0.26	0.37	0.01	0.01	0.01	-0.01	0.00	0.15	0.22
USGS 07380335 - Little Lake Near Cutoff	0.09	0.24	0.16	0.16	0.17	0.00	-0.02	0.01	0.02	-0.02	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.04	0.15	-0.02	0.06	0.00	0.00	0.00	0.01	-0.01	-0.01	0.05	0.08
HWQ14 - Lake Washington	-0.02	0.06	-0.08	0.01	0.00	0.00	0.01	0.02	-0.03	-0.02	-0.03	-0.03
HWQ16 - Bayou Grand Liard	0.04	0.05	-0.03	-0.02	-0.11	-0.02	0.01	0.04	0.04	0.03	0.04	0.03
CRMS 3985	-0.05	-0.05	-0.24	-0.05	-0.05	-0.02	-0.04	-0.08	-0.12	-0.13	-0.12	-0.10
CRMS 0258	0.31	0.25	0.21	-0.02	0.03	0.00	0.00	0.00	0.00	-0.04	0.05	0.08
CRMS 0224	0.27	0.34	0.22	0.05	0.00	0.00	0.00	0.00	-0.02	0.02	0.22	0.12
CRMS 0163	0.00	0.00	0.00	0.00	-0.03	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00

Figure WQ NO3 3 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.90	0.44	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.37
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.08	0.68	0.20	0.16	0.08	0.12	0.44	0.53	0.51	0.67
Barataria Waterway at Lafitte (USACE82875)	1.43	1.35	1.41	0.94	0.22	0.12	0.10	0.01	0.15	0.02	0.87	1.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.93	0.33	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.28	0.35
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.94	0.58	0.01	0.01	0.04	0.10	0.05	0.16	0.08	0.34	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.94	0.41	0.06	0.01	0.03	0.06	0.08	0.12	0.07	0.30	0.57
USGS 07380335 - Little Lake Near Cutoff	0.85	1.00	0.45	0.13	0.02	0.04	0.12	0.19	0.27	0.15	0.33	0.53
USGS073802516 Barataria Pass at Grand Isle	0.85	0.95	0.39	0.10	0.01	0.01	0.03	0.06	0.12	0.02	0.24	0.52
HWQ14 - Lake Washington	0.90	0.90	0.42	0.01	0.01	0.03	0.10	0.07	0.21	0.08	0.31	0.66
HWQ16 - Bayou Grand Liard	0.87	1.09	0.87	0.62	0.46	0.43	0.51	0.67	0.56	0.43	0.28	0.45
CRMS 3985	1.07	1.03	0.70	0.04	0.05	0.13	0.34	0.31	0.38	0.25	0.58	0.98
CRMS 0258	0.95	1.16	0.91	0.05	0.01	0.00	0.00	0.00	0.09	0.01	0.62	0.87
CRMS 0224	0.83	1.02	0.32	0.07	0.00	0.00	0.01	0.00	0.03	0.01	0.38	0.60
CRMS 0163	1.26	1.17	1.23	1.19	0.95	0.47	0.02	0.03	0.39	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.25	1.33	1.31	1.32	1.35	1.37	1.39

V3PR2 HYST - cy 0 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.30	1.08	0.91	1.14	1.41	1.35
CRMS0276 - Just east of Wilkinson Canal	1.17	1.33	1.00	0.64	0.16	0.14	0.09	0.08	0.43	0.53	0.54	0.70
Barataria Waterway at Lafitte (USACE82875)	1.43	1.36	1.41	0.88	0.20	0.11	0.09	0.01	0.15	0.02	0.87	1.03
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.16	1.23	1.18	1.23	1.30	1.34	0.72	0.15	0.26	1.19	1.31
USGS7380251 Barataria Bay North of Grand Isle	1.10	1.13	1.15	0.77	0.45	0.13	0.12	0.08	0.12	0.09	0.48	0.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.20	1.23	1.00	0.80	0.79	0.71	0.32	0.16	0.11	0.55	0.88
USGS 07380335 - Little Lake Near Cutoff	1.16	1.24	1.23	0.79	0.59	0.59	0.55	0.34	0.33	0.21	0.53	0.78
USGS073802516 Barataria Pass at Grand Isle	1.06	1.16	0.94	0.23	0.06	0.03	0.08	0.03	0.13	0.06	0.39	0.68
HWQ14 - Lake Washington	0.95	1.02	0.80	0.13	0.06	0.03	0.10	0.14	0.18	0.11	0.37	0.70
HWQ16 - Bayou Grand Liard	0.99	1.19	0.98	0.52	0.36	0.40	0.45	0.54	0.57	0.44	0.34	0.55
CRMS 3985	1.00	0.99	0.85	0.26	0.13	0.10	0.22	0.30	0.24	0.24	0.49	0.91
CRMS 0258	1.23	1.27	1.29	0.54	0.08	0.00	0.01	0.02	0.27	0.07	0.77	0.89
CRMS 0224	1.22	1.26	1.23	0.49	0.01	0.02	0.02	0.01	0.08	0.03	0.69	0.73
CRMS 0163	1.27	1.17	1.23	1.18	0.91	0.44	0.01	0.03	0.40	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.24	1.33	1.32	1.32	1.35	1.37	1.39

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.26	0.79	1.19	1.22	1.26	1.29	1.08	0.90	1.13	1.22	0.98
CRMS0276 - Just east of Wilkinson Canal	0.13	0.02	-0.08	-0.04	-0.04	-0.03	0.01	-0.05	0.00	0.00	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	-0.07	-0.02	-0.01	-0.02	0.00	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.41	0.22	0.89	1.16	1.23	1.30	1.34	0.72	0.14	0.25	0.91	0.96
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.19	0.57	0.76	0.44	0.10	0.02	0.03	-0.03	0.01	0.14	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.26	0.82	0.95	0.78	0.75	0.64	0.24	0.04	0.05	0.25	0.31
USGS 07380335 - Little Lake Near Cutoff	0.30	0.24	0.78	0.66	0.57	0.54	0.43	0.16	0.06	0.06	0.20	0.25
USGS073802516 Barataria Pass at Grand Isle	0.21	0.21	0.56	0.13	0.05	0.02	0.05	-0.03	0.01	0.04	0.15	0.17
HWQ14 - Lake Washington	0.06	0.12	0.38	0.12	0.05	0.00	0.00	0.07	-0.03	0.02	0.06	0.04
HWQ16 - Bayou Grand Liard	0.12	0.10	0.12	-0.09	-0.10	-0.02	-0.06	-0.13	0.01	0.01	0.06	0.11
CRMS 3985	-0.07	-0.04	0.15	0.22	0.08	-0.02	-0.12	-0.02	-0.13	-0.01	-0.09	-0.07
CRMS 0258	0.28	0.11	0.38	0.49	0.06	0.00	0.00	0.02	0.18	0.06	0.15	0.02
CRMS 0224	0.39	0.24	0.91	0.42	0.01	0.02	0.02	0.00	0.05	0.02	0.30	0.14
CRMS 0163	0.00	0.00	0.00	-0.01	-0.04	-0.03	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ NO3 4 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.85	0.46	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.45
CRMS0276 - Just east of Wilkinson Canal	1.09	1.22	1.02	0.74	0.50	0.34	0.09	0.14	0.45	0.46	0.47	0.96
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	1.03	0.61	0.51	0.13	0.00	0.13	0.01	0.87	1.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.85	0.91	0.37	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.26	0.38
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.96	0.68	0.01	0.01	0.02	0.07	0.08	0.18	0.07	0.30	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.88	0.91	0.47	0.07	0.01	0.04	0.07	0.10	0.13	0.07	0.25	0.59
USGS 07380335 - Little Lake Near Cutoff	0.90	0.95	0.46	0.15	0.04	0.06	0.13	0.21	0.26	0.14	0.25	0.62
USGS073802516 Barataria Pass at Grand Isle	0.87	0.92	0.42	0.10	0.01	0.02	0.03	0.08	0.15	0.02	0.20	0.56
HWQ14 - Lake Washington	0.89	0.92	0.54	0.01	0.01	0.02	0.10	0.12	0.22	0.08	0.27	0.65
HWQ16 - Bayou Grand Liard	0.88	0.96	0.71	0.63	0.58	0.58	0.58	0.65	0.55	0.33	0.23	0.71
CRMS 3985	1.08	1.11	0.89	0.06	0.04	0.10	0.24	0.29	0.38	0.25	0.55	0.94
CRMS 0258	1.04	1.14	0.90	0.08	0.01	0.00	0.00	0.02	0.12	0.01	0.59	0.99
CRMS 0224	0.91	0.98	0.37	0.09	0.00	0.00	0.01	0.00	0.04	0.01	0.35	0.65
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.99	0.03	0.01	0.36	0.44	1.27	1.21
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.34	1.29	1.31	1.35	1.38	1.24

V3PR2 HYST - cy 0 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.38	1.20	1.19	1.17	1.20	1.29	0.98	0.93	1.16	1.38	1.21
CRMS0276 - Just east of Wilkinson Canal	1.23	1.26	0.99	0.68	0.37	0.32	0.11	0.09	0.45	0.47	0.51	0.95
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	0.98	0.58	0.48	0.11	0.00	0.13	0.02	0.87	1.18
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.41	1.21	1.20	1.18	1.24	1.34	0.07	0.16	0.27	1.19	1.21
USGS7380251 Barataria Bay North of Grand Isle	1.03	1.04	1.07	0.75	0.63	0.28	0.12	0.06	0.13	0.11	0.47	1.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.11	1.11	1.16	1.01	1.04	1.02	0.75	0.14	0.16	0.11	0.52	1.20
USGS 07380335 - Little Lake Near Cutoff	1.13	1.11	1.14	0.80	0.87	0.89	0.62	0.25	0.32	0.19	0.48	1.18
USGS073802516 Barataria Pass at Grand Isle	1.04	1.03	0.82	0.26	0.14	0.07	0.09	0.02	0.13	0.05	0.36	0.95
HWQ14 - Lake Washington	0.92	0.95	0.76	0.13	0.11	0.05	0.11	0.12	0.18	0.14	0.36	0.79
HWQ16 - Bayou Grand Liard	1.00	1.01	0.88	0.54	0.52	0.58	0.50	0.60	0.58	0.37	0.28	0.86
CRMS 3985	1.00	1.08	0.92	0.26	0.20	0.18	0.24	0.30	0.24	0.27	0.50	0.91
CRMS 0258	1.41	1.35	1.18	0.55	0.15	0.03	0.01	0.06	0.28	0.04	0.74	1.21
CRMS 0224	1.29	1.22	1.11	0.49	0.04	0.11	0.03	0.01	0.06	0.02	0.65	1.17
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.93	0.02	0.01	0.36	0.44	1.27	1.21
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.33	1.29	1.31	1.34	1.38	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.54	0.74	1.17	1.16	1.20	1.28	0.97	0.92	1.15	1.21	0.75
CRMS0276 - Just east of Wilkinson Canal	0.14	0.04	-0.03	-0.06	-0.13	-0.01	0.02	-0.05	0.00	0.01	0.04	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	-0.05	-0.03	-0.04	-0.02	0.00	0.00	0.00	0.00	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.50	0.84	1.18	1.18	1.23	1.34	0.07	0.16	0.27	0.92	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.07	0.39	0.74	0.62	0.26	0.05	-0.02	-0.05	0.04	0.17	0.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.23	0.20	0.69	0.94	1.03	0.98	0.68	0.04	0.03	0.04	0.28	0.61
USGS 07380335 - Little Lake Near Cutoff	0.23	0.16	0.68	0.66	0.84	0.83	0.48	0.04	0.06	0.04	0.23	0.56
USGS073802516 Barataria Pass at Grand Isle	0.16	0.11	0.40	0.16	0.13	0.05	0.06	-0.06	-0.02	0.03	0.16	0.39
HWQ14 - Lake Washington	0.03	0.03	0.21	0.12	0.10	0.03	0.01	0.00	-0.04	0.06	0.09	0.15
HWQ16 - Bayou Grand Liard	0.12	0.06	0.18	-0.09	-0.06	-0.01	-0.08	-0.05	0.03	0.03	0.05	0.15
CRMS 3985	-0.07	-0.03	0.03	0.20	0.16	0.08	0.00	0.02	-0.14	0.02	-0.05	-0.03
CRMS 0258	0.37	0.21	0.27	0.47	0.14	0.02	0.01	0.04	0.16	0.03	0.15	0.22
CRMS 0224	0.39	0.24	0.74	0.40	0.04	0.10	0.03	0.00	0.02	0.02	0.31	0.52
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.06	-0.01	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00

Figure WQ NO3 5 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.76	0.43	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.27
CRMS0276 - Just east of Wilkinson Canal	0.97	1.22	1.00	0.57	0.28	0.11	0.09	0.22	0.48	0.52	0.60	0.84
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.36	0.64	0.31	0.05	0.01	0.00	0.09	0.03	0.97	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.69	0.25	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.23	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.96	0.67	0.03	0.01	0.03	0.09	0.10	0.18	0.10	0.35	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.88	0.43	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.60
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.43	0.08	0.02	0.04	0.12	0.19	0.29	0.19	0.37	0.61
USGS073802516 Barataria Pass at Grand Isle	0.85	0.90	0.40	0.07	0.01	0.01	0.03	0.05	0.16	0.03	0.27	0.56
HWQ14 - Lake Washington	0.92	0.92	0.51	0.01	0.01	0.02	0.08	0.08	0.21	0.11	0.32	0.69
HWQ16 - Bayou Grand Liard	0.81	0.97	0.78	0.56	0.49	0.39	0.43	0.25	0.44	0.32	0.38	0.58
CRMS 3985	1.09	1.10	0.86	0.12	0.05	0.12	0.31	0.37	0.41	0.33	0.59	1.02
CRMS 0258	0.80	0.87	0.73	0.07	0.01	0.00	0.01	0.00	0.03	0.04	0.54	0.61
CRMS 0224	0.75	0.80	0.25	0.06	0.00	0.00	0.01	0.00	0.07	0.04	0.35	0.52
CRMS 0163	1.31	1.37	1.26	1.14	1.09	0.25	0.01	0.01	0.28	0.54	1.26	1.31
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.25	1.33	1.21	1.17	1.34	1.36	1.40

V3PR3 HYST - cy 0 - 1970 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.33	1.28	1.25	1.21	1.31	1.13	0.98	0.95	1.09	1.30	1.37
CRMS0276 - Just east of Wilkinson Canal	1.08	1.22	0.79	0.45	0.22	0.09	0.05	0.16	0.48	0.52	0.66	0.90
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.34	0.61	0.27	0.04	0.01	0.00	0.09	0.03	0.96	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.31	1.28	1.23	1.21	1.31	0.17	0.00	0.14	0.18	1.06	1.30
USGS7380251 Barataria Bay North of Grand Isle	1.06	1.07	1.09	0.57	0.50	0.08	0.07	0.06	0.15	0.09	0.43	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.17	1.16	0.85	0.94	0.48	0.13	0.10	0.16	0.11	0.52	0.85
USGS 07380335 - Little Lake Near Cutoff	1.07	1.14	1.10	0.59	0.72	0.29	0.18	0.19	0.32	0.21	0.53	0.78
USGS073802516 Barataria Pass at Grand Isle	0.99	1.04	0.75	0.22	0.08	0.02	0.02	0.06	0.17	0.05	0.37	0.67
HWQ14 - Lake Washington	0.94	0.97	0.67	0.08	0.06	0.02	0.07	0.11	0.20	0.12	0.34	0.69
HWQ16 - Bayou Grand Liard	0.88	1.02	0.82	0.47	0.39	0.31	0.42	0.32	0.45	0.37	0.45	0.64
CRMS 3985	1.04	1.06	0.80	0.18	0.15	0.10	0.22	0.29	0.30	0.26	0.50	0.93
CRMS 0258	1.13	1.14	1.12	0.32	0.11	0.00	0.01	0.00	0.03	0.01	0.65	0.60
CRMS 0224	1.14	1.15	1.02	0.26	0.02	0.01	0.01	0.00	0.08	0.08	0.61	0.67
CRMS 0163	1.31	1.37	1.26	1.11	1.06	0.23	0.01	0.01	0.27	0.52	1.27	1.30
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.25	1.32	1.21	1.15	1.34	1.36	1.41

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.47	0.56	0.85	1.22	1.20	1.31	1.12	0.97	0.94	1.09	1.10	1.09
CRMS0276 - Just east of Wilkinson Canal	0.11	0.00	-0.20	-0.11	-0.06	-0.02	-0.03	-0.07	0.00	0.01	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.02	-0.04	-0.04	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.54	0.62	1.03	1.21	1.20	1.31	0.16	0.00	0.13	0.18	0.83	1.04
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.11	0.42	0.54	0.49	0.05	-0.02	-0.04	-0.02	-0.01	0.09	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.29	0.74	0.82	0.93	0.45	0.07	0.02	0.01	0.02	0.19	0.25
USGS 07380335 - Little Lake Near Cutoff	0.23	0.23	0.68	0.51	0.70	0.25	0.07	0.00	0.03	0.02	0.15	0.17
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.35	0.15	0.07	0.01	0.00	0.02	0.01	0.01	0.10	0.11
HWQ14 - Lake Washington	0.02	0.04	0.16	0.07	0.05	0.00	-0.01	0.03	-0.01	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.07	0.05	0.05	-0.09	-0.10	-0.07	-0.01	0.07	0.01	0.04	0.06	0.06
CRMS 3985	-0.05	-0.04	-0.06	0.05	0.10	-0.03	-0.08	-0.08	-0.11	-0.07	-0.09	-0.09
CRMS 0258	0.34	0.28	0.39	0.26	0.10	0.00	0.01	0.00	0.00	-0.03	0.11	-0.01
CRMS 0224	0.39	0.34	0.77	0.21	0.02	0.00	0.00	0.00	0.00	0.04	0.27	0.14
CRMS 0163	0.00	0.00	0.00	-0.03	-0.03	-0.02	0.00	0.00	-0.01	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00

Figure WQ NO3 6 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.87	0.40	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.42
CRMS0276 - Just east of Wilkinson Canal	1.06	1.29	1.17	0.78	0.46	0.15	0.09	0.18	0.48	0.42	0.45	0.95
Barataria Waterway at Lafitte (USACE82875)	1.47	1.39	1.34	1.12	0.58	0.05	0.02	0.00	0.11	0.03	0.92	1.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.88	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.34
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.95	0.59	0.01	0.01	0.02	0.08	0.10	0.19	0.07	0.31	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.92	0.41	0.06	0.01	0.04	0.07	0.11	0.13	0.06	0.24	0.56
USGS 07380335 - Little Lake Near Cutoff	0.87	0.97	0.45	0.15	0.04	0.04	0.10	0.23	0.28	0.13	0.23	0.59
USGS073802516 Barataria Pass at Grand Isle	0.86	0.93	0.39	0.09	0.01	0.01	0.02	0.08	0.16	0.02	0.19	0.54
HWQ14 - Lake Washington	0.90	0.91	0.43	0.01	0.01	0.02	0.10	0.17	0.22	0.07	0.29	0.65
HWQ16 - Bayou Grand Liard	0.85	1.05	0.88	0.64	0.57	0.40	0.48	0.44	0.50	0.20	0.23	0.63
CRMS 3985	1.08	1.05	0.74	0.04	0.05	0.10	0.25	0.31	0.40	0.27	0.57	0.97
CRMS 0258	1.00	1.14	0.84	0.06	0.01	0.02	0.05	0.00	0.02	0.01	0.50	0.88
CRMS 0224	0.86	0.98	0.29	0.09	0.00	0.00	0.01	0.00	0.06	0.01	0.30	0.59
CRMS 0163	1.32	1.21	1.15	1.18	1.16	0.26	0.01	0.01	0.29	0.44	1.26	1.28
CRMS 0162	1.31	1.21	1.17	1.21	1.22	1.27	1.35	1.22	1.23	1.30	1.37	1.32

V3PR3 HYST - cy 0 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.19	1.15	1.17	1.17	1.11	1.06	0.96	0.94	1.19	1.35	1.29
CRMS0276 - Just east of Wilkinson Canal	1.16	1.30	1.05	0.74	0.35	0.12	0.06	0.15	0.46	0.45	0.49	0.96
Barataria Waterway at Lafitte (USACE82875)	1.48	1.39	1.34	1.07	0.57	0.04	0.02	0.00	0.10	0.03	0.92	1.06
USGS2928590900040000 Barataria Waterway South of Lafitte	1.27	1.19	1.16	1.18	1.18	0.36	0.00	0.01	0.15	0.16	1.11	1.25
USGS7380251 Barataria Bay North of Grand Isle	1.06	1.14	1.12	0.85	0.65	0.05	0.07	0.06	0.14	0.09	0.43	0.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.22	1.18	1.06	1.05	0.19	0.07	0.10	0.15	0.10	0.48	1.00
USGS 07380335 - Little Lake Near Cutoff	1.14	1.24	1.21	0.89	0.89	0.16	0.10	0.19	0.31	0.17	0.44	0.92
USGS073802516 Barataria Pass at Grand Isle	1.03	1.14	0.97	0.29	0.16	0.01	0.02	0.07	0.15	0.04	0.33	0.74
HWQ14 - Lake Washington	0.94	1.02	0.82	0.16	0.13	0.02	0.08	0.13	0.19	0.12	0.33	0.71
HWQ16 - Bayou Grand Liard	0.94	1.15	1.04	0.58	0.53	0.37	0.43	0.49	0.50	0.25	0.29	0.70
CRMS 3985	1.04	1.04	0.88	0.28	0.22	0.12	0.24	0.28	0.27	0.26	0.50	0.91
CRMS 0258	1.27	1.25	1.21	0.56	0.15	0.02	0.04	0.00	0.03	0.01	0.62	1.02
CRMS 0224	1.23	1.25	1.19	0.53	0.07	0.00	0.01	0.00	0.05	0.03	0.60	0.88
CRMS 0163	1.32	1.21	1.15	1.18	1.15	0.24	0.01	0.00	0.29	0.44	1.27	1.28
CRMS 0162	1.31	1.21	1.17	1.21	1.23	1.26	1.35	1.24	1.25	1.31	1.38	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.32	0.75	1.15	1.16	1.10	1.06	0.96	0.93	1.18	1.19	0.87
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	-0.12	-0.04	-0.11	-0.04	-0.03	-0.03	-0.02	0.03	0.04	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.05	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.31	0.86	1.17	1.18	0.36	0.00	0.00	0.14	0.15	0.90	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.20	0.53	0.84	0.64	0.03	-0.02	-0.04	-0.05	0.02	0.11	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.28	0.30	0.78	0.99	1.04	0.16	0.01	-0.01	0.02	0.04	0.24	0.44
USGS 07380335 - Little Lake Near Cutoff	0.26	0.27	0.76	0.74	0.86	0.12	0.00	-0.05	0.03	0.04	0.21	0.34
USGS073802516 Barataria Pass at Grand Isle	0.17	0.21	0.58	0.19	0.15	0.00	-0.01	-0.02	-0.01	0.02	0.13	0.21
HWQ14 - Lake Washington	0.03	0.11	0.39	0.16	0.12	0.00	-0.02	-0.04	-0.03	0.05	0.04	0.06
HWQ16 - Bayou Grand Liard	0.09	0.10	0.16	-0.06	-0.04	-0.03	-0.05	0.05	0.00	0.05	0.05	0.07
CRMS 3985	-0.04	-0.01	0.14	0.24	0.17	0.02	-0.01	-0.03	-0.13	-0.01	-0.07	-0.06
CRMS 0258	0.27	0.12	0.36	0.50	0.14	0.00	-0.01	0.00	0.01	-0.01	0.12	0.14
CRMS 0224	0.38	0.27	0.91	0.45	0.07	0.00	0.00	0.00	-0.01	0.02	0.30	0.29
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.01	0.00	0.00

Figure WQ NO3 7 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.77	0.28	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.24	0.46
CRMS0276 - Just east of Wilkinson Canal	0.95	1.23	0.92	0.55	0.14	0.11	0.12	0.20	0.50	0.48	0.58	0.96
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.42	0.05	0.02	0.01	0.00	0.08	0.03	0.97	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.67	0.20	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.21	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.98	0.96	0.65	0.04	0.01	0.03	0.07	0.09	0.21	0.12	0.39	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.88	0.42	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.62
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.41	0.08	0.01	0.03	0.10	0.16	0.25	0.18	0.35	0.64
USGS073802516 Barataria Pass at Grand Isle	0.86	0.90	0.39	0.06	0.01	0.01	0.02	0.04	0.15	0.04	0.27	0.59
HWQ14 - Lake Washington	0.93	0.93	0.53	0.01	0.01	0.02	0.06	0.10	0.24	0.11	0.34	0.71
HWQ16 - Bayou Grand Liard	0.79	0.98	0.72	0.50	0.38	0.31	0.27	0.13	0.31	0.23	0.37	0.67
CRMS 3985	1.13	1.09	0.90	0.16	0.14	0.13	0.27	0.36	0.45	0.37	0.63	1.02
CRMS 0258	0.69	0.84	0.38	0.05	0.03	0.00	0.01	0.00	0.03	0.05	0.57	0.76
CRMS 0224	0.75	0.78	0.19	0.06	0.00	0.00	0.01	0.01	0.08	0.04	0.32	0.53
CRMS 0163	1.37	1.30	1.30	0.97	0.43	0.03	0.01	0.00	0.23	0.48	1.26	1.30
CRMS 0162	1.39	1.30	1.34	1.29	1.23	1.20	1.31	1.10	1.03	1.34	1.35	1.35

V3PR3 HYST - cy 0 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.28	1.33	1.24	1.25	1.06	1.08	0.97	0.94	1.11	1.28	1.31
CRMS0276 - Just east of Wilkinson Canal	0.99	1.23	0.81	0.49	0.13	0.08	0.09	0.17	0.50	0.47	0.61	0.94
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.39	0.04	0.02	0.01	0.00	0.08	0.03	0.96	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	1.31	1.29	1.31	0.77	0.97	0.00	0.00	0.01	0.12	0.16	1.03	1.25
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.10	0.83	0.24	0.13	0.02	0.06	0.07	0.14	0.07	0.44	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.18	0.76	0.30	0.38	0.04	0.07	0.09	0.14	0.08	0.47	0.85
USGS 07380335 - Little Lake Near Cutoff	0.93	1.15	0.56	0.25	0.18	0.03	0.08	0.16	0.26	0.17	0.46	0.79
USGS073802516 Barataria Pass at Grand Isle	0.90	1.05	0.37	0.12	0.01	0.01	0.02	0.05	0.15	0.03	0.32	0.67
HWQ14 - Lake Washington	0.91	0.99	0.45	0.02	0.01	0.02	0.07	0.12	0.20	0.09	0.31	0.68
HWQ16 - Bayou Grand Liard	0.81	1.03	0.69	0.48	0.28	0.30	0.29	0.17	0.34	0.25	0.40	0.70
CRMS 3985	1.08	1.05	0.66	0.11	0.09	0.10	0.23	0.29	0.33	0.24	0.51	0.92
CRMS 0258	1.01	1.10	0.58	0.03	0.05	0.00	0.00	0.00	0.02	0.02	0.62	0.84
CRMS 0224	1.02	1.12	0.42	0.10	0.00	0.00	0.01	0.00	0.07	0.06	0.54	0.65
CRMS 0163	1.37	1.30	1.30	0.96	0.40	0.04	0.01	0.00	0.24	0.48	1.26	1.29
CRMS 0162	1.39	1.30	1.34	1.29	1.22	1.19	1.31	1.09	1.04	1.34	1.35	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.52	1.04	1.23	1.24	1.06	1.08	0.96	0.92	1.10	1.04	0.85
CRMS0276 - Just east of Wilkinson Canal	0.04	0.00	-0.11	-0.06	-0.02	-0.03	-0.03	-0.03	0.00	0.00	0.03	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.62	1.11	0.76	0.97	0.00	0.00	0.00	0.11	0.16	0.82	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.14	0.18	0.20	0.12	-0.01	-0.01	-0.02	-0.07	-0.05	0.05	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.31	0.34	0.27	0.37	0.01	0.01	0.01	0.00	0.00	0.15	0.23
USGS 07380335 - Little Lake Near Cutoff	0.09	0.24	0.16	0.17	0.17	0.00	-0.02	0.00	0.02	-0.01	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.04	0.15	-0.02	0.06	0.00	0.00	0.00	0.01	0.00	-0.01	0.05	0.08
HWQ14 - Lake Washington	-0.02	0.06	-0.08	0.02	0.00	0.00	0.01	0.02	-0.03	-0.02	-0.03	-0.03
HWQ16 - Bayou Grand Liard	0.02	0.05	-0.03	-0.02	-0.10	-0.02	0.02	0.04	0.03	0.01	0.03	0.04
CRMS 3985	-0.05	-0.04	-0.24	-0.05	-0.05	-0.02	-0.04	-0.07	-0.12	-0.13	-0.12	-0.10
CRMS 0258	0.31	0.25	0.20	-0.02	0.02	0.00	0.00	0.00	0.00	-0.04	0.05	0.08
CRMS 0224	0.27	0.34	0.22	0.04	0.00	0.00	0.00	0.00	-0.01	0.02	0.22	0.11
CRMS 0163	0.00	0.00	0.00	-0.01	-0.03	0.00	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.02	0.01	0.00	0.00	0.00

Figure WQ NO3 8 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.90	0.44	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.37
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.08	0.68	0.20	0.16	0.08	0.12	0.44	0.53	0.51	0.67
Barataria Waterway at Lafitte (USACE82875)	1.43	1.35	1.41	0.94	0.22	0.12	0.10	0.01	0.15	0.02	0.87	1.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.93	0.33	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.28	0.35
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.94	0.58	0.01	0.01	0.04	0.10	0.05	0.16	0.08	0.34	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.94	0.41	0.06	0.01	0.03	0.06	0.08	0.12	0.07	0.30	0.57
USGS 07380335 - Little Lake Near Cutoff	0.85	1.00	0.45	0.13	0.02	0.04	0.12	0.19	0.27	0.15	0.33	0.53
USGS073802516 Barataria Pass at Grand Isle	0.85	0.95	0.39	0.10	0.01	0.01	0.03	0.06	0.12	0.02	0.24	0.52
HWQ14 - Lake Washington	0.90	0.90	0.42	0.01	0.01	0.03	0.10	0.07	0.21	0.08	0.31	0.66
HWQ16 - Bayou Grand Liard	0.87	1.09	0.87	0.62	0.46	0.43	0.51	0.67	0.56	0.43	0.28	0.45
CRMS 3985	1.07	1.03	0.70	0.04	0.05	0.13	0.34	0.31	0.38	0.25	0.58	0.98
CRMS 0258	0.95	1.16	0.91	0.05	0.01	0.00	0.00	0.00	0.09	0.01	0.62	0.87
CRMS 0224	0.83	1.02	0.32	0.07	0.00	0.00	0.01	0.00	0.03	0.01	0.38	0.60
CRMS 0163	1.26	1.17	1.23	1.19	0.95	0.47	0.02	0.03	0.39	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.25	1.33	1.31	1.32	1.35	1.37	1.39

V3PR3 HYST - cy 0 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.30	1.09	0.94	1.15	1.40	1.35
CRMS0276 - Just east of Wilkinson Canal	1.15	1.33	1.00	0.65	0.16	0.13	0.09	0.07	0.43	0.52	0.55	0.70
Barataria Waterway at Lafitte (USACE82875)	1.43	1.36	1.41	0.88	0.20	0.10	0.09	0.01	0.15	0.02	0.87	1.03
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.16	1.23	1.17	1.20	1.30	1.34	0.70	0.11	0.18	1.14	1.29
USGS7380251 Barataria Bay North of Grand Isle	1.10	1.13	1.15	0.77	0.47	0.14	0.12	0.08	0.13	0.09	0.47	0.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.20	1.23	1.02	0.79	0.78	0.71	0.32	0.16	0.12	0.55	0.87
USGS 07380335 - Little Lake Near Cutoff	1.15	1.24	1.23	0.80	0.58	0.58	0.54	0.34	0.33	0.22	0.53	0.78
USGS073802516 Barataria Pass at Grand Isle	1.06	1.16	0.94	0.23	0.06	0.03	0.08	0.03	0.13	0.07	0.39	0.68
HWQ14 - Lake Washington	0.95	1.03	0.80	0.13	0.06	0.03	0.10	0.14	0.18	0.10	0.37	0.70
HWQ16 - Bayou Grand Liard	0.94	1.18	0.99	0.52	0.36	0.40	0.45	0.53	0.57	0.45	0.34	0.56
CRMS 3985	1.00	0.99	0.86	0.27	0.14	0.11	0.23	0.30	0.24	0.24	0.49	0.91
CRMS 0258	1.23	1.27	1.27	0.49	0.07	0.00	0.00	0.02	0.27	0.08	0.77	0.89
CRMS 0224	1.21	1.26	1.21	0.47	0.01	0.02	0.02	0.01	0.08	0.04	0.68	0.74
CRMS 0163	1.26	1.17	1.23	1.18	0.92	0.45	0.02	0.02	0.40	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.24	1.33	1.31	1.31	1.34	1.37	1.39

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.26	0.79	1.19	1.22	1.26	1.29	1.08	0.93	1.15	1.22	0.98
CRMS0276 - Just east of Wilkinson Canal	0.11	0.01	-0.08	-0.03	-0.04	-0.03	0.01	-0.05	0.00	-0.01	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.06	-0.03	-0.02	-0.02	0.00	0.00	0.00	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.41	0.22	0.90	1.16	1.19	1.30	1.34	0.70	0.11	0.18	0.86	0.95
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.19	0.57	0.76	0.46	0.11	0.02	0.03	-0.03	0.01	0.14	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.26	0.82	0.96	0.78	0.75	0.64	0.24	0.04	0.05	0.25	0.31
USGS 07380335 - Little Lake Near Cutoff	0.30	0.24	0.78	0.67	0.57	0.54	0.42	0.16	0.06	0.07	0.20	0.25
USGS073802516 Barataria Pass at Grand Isle	0.20	0.21	0.56	0.13	0.04	0.02	0.05	-0.03	0.02	0.05	0.15	0.17
HWQ14 - Lake Washington	0.06	0.12	0.38	0.13	0.05	0.00	0.00	0.07	-0.03	0.02	0.06	0.04
HWQ16 - Bayou Grand Liard	0.08	0.09	0.13	-0.10	-0.10	-0.03	-0.05	-0.13	0.01	0.01	0.06	0.11
CRMS 3985	-0.07	-0.04	0.15	0.22	0.09	-0.02	-0.12	-0.01	-0.13	-0.02	-0.09	-0.07
CRMS 0258	0.28	0.11	0.36	0.44	0.06	0.00	0.00	0.02	0.18	0.06	0.14	0.02
CRMS 0224	0.39	0.24	0.89	0.40	0.01	0.01	0.02	0.00	0.05	0.03	0.30	0.14
CRMS 0163	0.00	0.00	0.00	-0.01	-0.03	-0.02	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00

Figure WQ NO3 9 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.85	0.46	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.45
CRMS0276 - Just east of Wilkinson Canal	1.09	1.22	1.02	0.74	0.50	0.34	0.09	0.14	0.45	0.46	0.47	0.96
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	1.03	0.61	0.51	0.13	0.00	0.13	0.01	0.87	1.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.85	0.91	0.37	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.26	0.38
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.96	0.68	0.01	0.01	0.02	0.07	0.08	0.18	0.07	0.30	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.88	0.91	0.47	0.07	0.01	0.04	0.07	0.10	0.13	0.07	0.25	0.59
USGS 07380335 - Little Lake Near Cutoff	0.90	0.95	0.46	0.15	0.04	0.06	0.13	0.21	0.26	0.14	0.25	0.62
USGS073802516 Barataria Pass at Grand Isle	0.87	0.92	0.42	0.10	0.01	0.02	0.03	0.08	0.15	0.02	0.20	0.56
HWQ14 - Lake Washington	0.89	0.92	0.54	0.01	0.01	0.02	0.10	0.12	0.22	0.08	0.27	0.65
HWQ16 - Bayou Grand Liard	0.88	0.96	0.71	0.63	0.58	0.58	0.58	0.65	0.55	0.33	0.23	0.71
CRMS 3985	1.08	1.11	0.89	0.06	0.04	0.10	0.24	0.29	0.38	0.25	0.55	0.94
CRMS 0258	1.04	1.14	0.90	0.08	0.01	0.00	0.00	0.02	0.12	0.01	0.59	0.99
CRMS 0224	0.91	0.98	0.37	0.09	0.00	0.00	0.01	0.00	0.04	0.01	0.35	0.65
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.99	0.03	0.01	0.36	0.44	1.27	1.21
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.34	1.29	1.31	1.35	1.38	1.24

V3PR3 HYST - cy 0 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.38	1.20	1.19	1.17	1.21	1.29	0.97	0.95	1.17	1.38	1.21
CRMS0276 - Just east of Wilkinson Canal	1.20	1.25	0.98	0.68	0.37	0.32	0.11	0.09	0.45	0.47	0.51	0.95
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	0.98	0.58	0.50	0.11	0.00	0.13	0.02	0.86	1.18
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.41	1.21	1.19	1.18	1.24	1.34	0.05	0.13	0.19	1.14	1.21
USGS7380251 Barataria Bay North of Grand Isle	1.03	1.04	1.08	0.78	0.64	0.29	0.13	0.06	0.13	0.11	0.47	1.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.11	1.11	1.16	1.01	1.04	1.02	0.75	0.13	0.16	0.11	0.53	1.20
USGS 07380335 - Little Lake Near Cutoff	1.11	1.10	1.14	0.80	0.87	0.89	0.60	0.25	0.32	0.19	0.48	1.18
USGS073802516 Barataria Pass at Grand Isle	1.03	1.01	0.85	0.25	0.14	0.07	0.09	0.02	0.13	0.05	0.36	0.94
HWQ14 - Lake Washington	0.92	0.95	0.76	0.14	0.11	0.05	0.11	0.12	0.18	0.14	0.36	0.79
HWQ16 - Bayou Grand Liard	0.93	1.00	0.90	0.54	0.52	0.58	0.50	0.58	0.56	0.37	0.28	0.85
CRMS 3985	1.01	1.08	0.93	0.27	0.21	0.18	0.24	0.30	0.24	0.27	0.50	0.91
CRMS 0258	1.41	1.33	1.17	0.51	0.13	0.02	0.01	0.06	0.28	0.03	0.74	1.21
CRMS 0224	1.29	1.21	1.10	0.48	0.04	0.10	0.03	0.01	0.06	0.03	0.65	1.16
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.96	0.02	0.02	0.36	0.43	1.27	1.21
CRMS 0162	1.32	1.39	1.24	1.23	1.22	1.25	1.33	1.30	1.31	1.34	1.38	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.54	0.74	1.17	1.16	1.20	1.29	0.97	0.93	1.17	1.20	0.75
CRMS0276 - Just east of Wilkinson Canal	0.11	0.03	-0.03	-0.06	-0.13	-0.02	0.02	-0.05	0.00	0.01	0.04	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.05	-0.03	-0.02	-0.02	0.00	0.00	0.00	-0.01	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.49	0.84	1.18	1.17	1.24	1.34	0.05	0.13	0.19	0.88	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.07	0.39	0.76	0.63	0.27	0.06	-0.02	-0.05	0.04	0.17	0.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.23	0.19	0.69	0.95	1.03	0.98	0.68	0.04	0.03	0.05	0.28	0.61
USGS 07380335 - Little Lake Near Cutoff	0.22	0.15	0.68	0.66	0.84	0.83	0.47	0.04	0.06	0.05	0.22	0.55
USGS073802516 Barataria Pass at Grand Isle	0.15	0.10	0.43	0.15	0.13	0.06	0.06	-0.06	-0.02	0.03	0.16	0.38
HWQ14 - Lake Washington	0.03	0.03	0.22	0.13	0.10	0.03	0.02	0.00	-0.04	0.06	0.09	0.15
HWQ16 - Bayou Grand Liard	0.05	0.04	0.20	-0.10	-0.06	0.00	-0.08	-0.07	0.01	0.04	0.05	0.14
CRMS 3985	-0.07	-0.03	0.04	0.21	0.16	0.08	0.00	0.02	-0.14	0.02	-0.04	-0.03
CRMS 0258	0.37	0.20	0.27	0.44	0.12	0.02	0.00	0.04	0.16	0.03	0.14	0.21
CRMS 0224	0.38	0.23	0.73	0.39	0.04	0.10	0.02	0.00	0.02	0.02	0.31	0.51
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.03	-0.01	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	-0.01	0.00

Figure WQ NO3 10 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.76	0.43	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.27
CRMS0276 - Just east of Wilkinson Canal	0.97	1.22	1.00	0.57	0.28	0.11	0.09	0.22	0.48	0.52	0.60	0.84
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.36	0.64	0.31	0.05	0.01	0.00	0.09	0.03	0.97	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.69	0.25	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.23	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.96	0.67	0.03	0.01	0.03	0.09	0.10	0.18	0.10	0.35	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.88	0.43	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.60
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.43	0.08	0.02	0.04	0.12	0.19	0.29	0.19	0.37	0.61
USGS073802516 Barataria Pass at Grand Isle	0.85	0.90	0.40	0.07	0.01	0.01	0.03	0.05	0.16	0.03	0.27	0.56
HWQ14 - Lake Washington	0.92	0.92	0.51	0.01	0.01	0.02	0.08	0.08	0.21	0.11	0.32	0.69
HWQ16 - Bayou Grand Liard	0.81	0.97	0.78	0.56	0.49	0.39	0.43	0.25	0.44	0.32	0.38	0.58
CRMS 3985	1.09	1.10	0.86	0.12	0.05	0.12	0.31	0.37	0.41	0.33	0.59	1.02
CRMS 0258	0.80	0.87	0.73	0.07	0.01	0.00	0.01	0.00	0.03	0.04	0.54	0.61
CRMS 0224	0.75	0.80	0.25	0.06	0.00	0.00	0.01	0.00	0.07	0.04	0.35	0.52
CRMS 0163	1.31	1.37	1.26	1.14	1.09	0.25	0.01	0.01	0.28	0.54	1.26	1.31
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.25	1.33	1.21	1.17	1.34	1.36	1.40

V3PR4 HYST - cy 0 - 1970 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.33	1.28	1.25	1.21	1.32	1.12	0.97	0.93	1.09	1.30	1.37
CRMS0276 - Just east of Wilkinson Canal	1.11	1.22	0.79	0.46	0.22	0.08	0.05	0.15	0.48	0.52	0.66	0.91
Barataria Waterway at Lafitte (USACE82875)	1.44	1.53	1.33	0.59	0.25	0.04	0.01	0.00	0.09	0.03	0.96	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.27	1.32	1.28	1.25	1.22	1.35	0.20	0.00	0.17	0.26	1.10	1.32
USGS7380251 Barataria Bay North of Grand Isle	1.08	1.07	1.13	0.79	0.86	0.14	0.07	0.06	0.15	0.09	0.43	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.19	1.22	1.03	1.14	0.78	0.14	0.10	0.16	0.10	0.51	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.17	1.19	0.81	1.00	0.56	0.19	0.18	0.32	0.21	0.52	0.79
USGS073802516 Barataria Pass at Grand Isle	1.02	1.05	0.84	0.26	0.15	0.03	0.02	0.06	0.16	0.04	0.37	0.67
HWQ14 - Lake Washington	0.95	0.96	0.73	0.11	0.12	0.03	0.07	0.11	0.20	0.13	0.34	0.69
HWQ16 - Bayou Grand Liard	0.91	1.04	0.88	0.48	0.49	0.35	0.42	0.34	0.45	0.37	0.45	0.65
CRMS 3985	1.03	1.03	0.84	0.24	0.25	0.12	0.23	0.29	0.30	0.26	0.50	0.93
CRMS 0258	1.16	1.18	1.19	0.55	0.26	0.00	0.01	0.01	0.03	0.01	0.64	0.63
CRMS 0224	1.16	1.18	1.13	0.43	0.12	0.01	0.01	0.00	0.08	0.07	0.61	0.68
CRMS 0163	1.31	1.37	1.26	1.10	1.05	0.21	0.01	0.01	0.27	0.51	1.27	1.30
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.24	1.32	1.21	1.15	1.34	1.36	1.41

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.47	0.57	0.85	1.22	1.20	1.32	1.12	0.96	0.92	1.09	1.10	1.09
CRMS0276 - Just east of Wilkinson Canal	0.14	0.00	-0.21	-0.11	-0.06	-0.03	-0.04	-0.07	0.00	0.01	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.03	-0.06	-0.06	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.55	0.63	1.03	1.24	1.22	1.35	0.19	0.00	0.16	0.25	0.87	1.06
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.46	0.76	0.85	0.10	-0.02	-0.04	-0.02	-0.01	0.09	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.31	0.79	1.00	1.13	0.74	0.08	0.02	0.00	0.02	0.19	0.26
USGS 07380335 - Little Lake Near Cutoff	0.27	0.26	0.77	0.73	0.98	0.52	0.07	-0.01	0.02	0.02	0.15	0.18
USGS073802516 Barataria Pass at Grand Isle	0.17	0.15	0.44	0.18	0.15	0.02	0.00	0.02	0.00	0.01	0.10	0.11
HWQ14 - Lake Washington	0.04	0.04	0.22	0.10	0.12	0.01	-0.01	0.02	-0.01	0.02	0.02	0.00
HWQ16 - Bayou Grand Liard	0.11	0.07	0.10	-0.08	0.00	-0.04	-0.02	0.08	0.01	0.05	0.06	0.07
CRMS 3985	-0.07	-0.07	-0.02	0.12	0.20	-0.01	-0.07	-0.08	-0.12	-0.07	-0.09	-0.09
CRMS 0258	0.36	0.31	0.46	0.48	0.24	0.00	0.01	0.00	0.00	-0.03	0.10	0.01
CRMS 0224	0.42	0.38	0.88	0.37	0.12	0.01	0.00	0.00	0.00	0.03	0.26	0.16
CRMS 0163	0.00	0.00	0.00	-0.04	-0.04	-0.04	0.00	0.00	-0.01	-0.03	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	-0.01	0.00	0.00	0.00

Figure WQ NO3 11 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.87	0.40	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.42
CRMS0276 - Just east of Wilkinson Canal	1.06	1.29	1.17	0.78	0.46	0.15	0.09	0.18	0.48	0.42	0.45	0.95
Barataria Waterway at Lafitte (USACE82875)	1.47	1.39	1.34	1.12	0.58	0.05	0.02	0.00	0.11	0.03	0.92	1.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.88	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.34
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.95	0.59	0.01	0.01	0.02	0.08	0.10	0.19	0.07	0.31	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.92	0.41	0.06	0.01	0.04	0.07	0.11	0.13	0.06	0.24	0.56
USGS 07380335 - Little Lake Near Cutoff	0.87	0.97	0.45	0.15	0.04	0.04	0.10	0.23	0.28	0.13	0.23	0.59
USGS073802516 Barataria Pass at Grand Isle	0.86	0.93	0.39	0.09	0.01	0.01	0.02	0.08	0.16	0.02	0.19	0.54
HWQ14 - Lake Washington	0.90	0.91	0.43	0.01	0.01	0.02	0.10	0.17	0.22	0.07	0.29	0.65
HWQ16 - Bayou Grand Liard	0.85	1.05	0.88	0.64	0.57	0.40	0.48	0.44	0.50	0.20	0.23	0.63
CRMS 3985	1.08	1.05	0.74	0.04	0.05	0.10	0.25	0.31	0.40	0.27	0.57	0.97
CRMS 0258	1.00	1.14	0.84	0.06	0.01	0.02	0.05	0.00	0.02	0.01	0.50	0.88
CRMS 0224	0.86	0.98	0.29	0.09	0.00	0.00	0.01	0.00	0.06	0.01	0.30	0.59
CRMS 0163	1.32	1.21	1.15	1.18	1.16	0.26	0.01	0.01	0.29	0.44	1.26	1.28
CRMS 0162	1.31	1.21	1.17	1.21	1.22	1.27	1.35	1.22	1.23	1.30	1.37	1.32

V3PR4 HYST - cy 0 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.19	1.15	1.17	1.17	1.11	1.05	0.96	0.94	1.17	1.35	1.29
CRMS0276 - Just east of Wilkinson Canal	1.16	1.30	1.09	0.72	0.36	0.10	0.06	0.15	0.46	0.45	0.49	0.97
Barataria Waterway at Lafitte (USACE82875)	1.48	1.39	1.34	1.05	0.55	0.04	0.02	0.00	0.11	0.03	0.92	1.06
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.19	1.16	1.18	1.19	0.41	0.01	0.01	0.18	0.27	1.16	1.26
USGS7380251 Barataria Bay North of Grand Isle	1.08	1.17	1.15	1.02	0.99	0.10	0.07	0.07	0.14	0.09	0.43	0.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.22	1.19	1.16	1.19	0.27	0.08	0.10	0.16	0.10	0.49	1.03
USGS 07380335 - Little Lake Near Cutoff	1.17	1.25	1.22	1.10	1.11	0.25	0.09	0.19	0.33	0.18	0.44	0.96
USGS073802516 Barataria Pass at Grand Isle	1.06	1.17	1.06	0.39	0.28	0.03	0.02	0.07	0.16	0.04	0.33	0.77
HWQ14 - Lake Washington	0.94	1.05	0.90	0.27	0.23	0.04	0.08	0.13	0.19	0.13	0.34	0.72
HWQ16 - Bayou Grand Liard	0.94	1.18	1.13	0.69	0.69	0.39	0.43	0.50	0.51	0.25	0.29	0.71
CRMS 3985	1.04	1.07	0.99	0.45	0.36	0.16	0.25	0.30	0.27	0.26	0.50	0.91
CRMS 0258	1.27	1.25	1.22	1.02	0.40	0.02	0.03	0.00	0.03	0.01	0.62	1.04
CRMS 0224	1.25	1.25	1.22	0.80	0.25	0.00	0.01	0.00	0.06	0.03	0.61	0.92
CRMS 0163	1.32	1.21	1.15	1.18	1.15	0.23	0.01	0.01	0.30	0.45	1.27	1.28
CRMS 0162	1.31	1.21	1.17	1.21	1.23	1.26	1.35	1.22	1.24	1.30	1.37	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.32	0.75	1.15	1.16	1.10	1.04	0.95	0.92	1.17	1.19	0.87
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	-0.08	-0.07	-0.10	-0.06	-0.03	-0.04	-0.02	0.02	0.04	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.00	-0.07	-0.03	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.31	0.86	1.17	1.18	0.41	0.00	0.00	0.17	0.26	0.95	0.93
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.22	0.56	1.01	0.98	0.08	-0.02	-0.04	-0.04	0.02	0.12	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.30	0.78	1.10	1.17	0.24	0.01	-0.01	0.03	0.04	0.25	0.46
USGS 07380335 - Little Lake Near Cutoff	0.30	0.27	0.78	0.95	1.07	0.21	-0.01	-0.04	0.05	0.04	0.21	0.37
USGS073802516 Barataria Pass at Grand Isle	0.19	0.23	0.67	0.29	0.27	0.01	-0.01	-0.02	0.00	0.02	0.14	0.23
HWQ14 - Lake Washington	0.04	0.14	0.47	0.26	0.22	0.02	-0.02	-0.04	-0.03	0.06	0.05	0.07
HWQ16 - Bayou Grand Liard	0.09	0.13	0.25	0.05	0.11	-0.01	-0.05	0.06	0.01	0.05	0.06	0.08
CRMS 3985	-0.04	0.02	0.25	0.41	0.31	0.06	0.00	-0.01	-0.13	-0.01	-0.07	-0.06
CRMS 0258	0.27	0.11	0.38	0.96	0.39	0.00	-0.02	0.00	0.01	-0.01	0.12	0.15
CRMS 0224	0.40	0.27	0.93	0.71	0.25	0.00	0.00	0.00	0.00	0.02	0.31	0.34
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.03	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00

Figure WQ NO3 12 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.77	0.28	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.24	0.46
CRMS0276 - Just east of Wilkinson Canal	0.95	1.23	0.92	0.55	0.14	0.11	0.12	0.20	0.50	0.48	0.58	0.96
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.42	0.05	0.02	0.01	0.00	0.08	0.03	0.97	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.67	0.20	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.21	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.98	0.96	0.65	0.04	0.01	0.03	0.07	0.09	0.21	0.12	0.39	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.88	0.42	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.62
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.41	0.08	0.01	0.03	0.10	0.16	0.25	0.18	0.35	0.64
USGS073802516 Barataria Pass at Grand Isle	0.86	0.90	0.39	0.06	0.01	0.01	0.02	0.04	0.15	0.04	0.27	0.59
HWQ14 - Lake Washington	0.93	0.93	0.53	0.01	0.01	0.02	0.06	0.10	0.24	0.11	0.34	0.71
HWQ16 - Bayou Grand Liard	0.79	0.98	0.72	0.50	0.38	0.31	0.27	0.13	0.31	0.23	0.37	0.67
CRMS 3985	1.13	1.09	0.90	0.16	0.14	0.13	0.27	0.36	0.45	0.37	0.63	1.02
CRMS 0258	0.69	0.84	0.38	0.05	0.03	0.00	0.01	0.00	0.03	0.05	0.57	0.76
CRMS 0224	0.75	0.78	0.19	0.06	0.00	0.00	0.01	0.01	0.08	0.04	0.32	0.53
CRMS 0163	1.37	1.30	1.30	0.97	0.43	0.03	0.01	0.00	0.23	0.48	1.26	1.30
CRMS 0162	1.39	1.30	1.34	1.29	1.23	1.20	1.31	1.10	1.03	1.34	1.35	1.35

V3PR4 HYST - cy 0 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.28	1.33	1.25	1.25	1.05	1.09	0.96	0.94	1.11	1.28	1.31
CRMS0276 - Just east of Wilkinson Canal	0.98	1.24	0.79	0.49	0.12	0.09	0.09	0.17	0.51	0.50	0.63	0.94
Barataria Waterway at Lafitte (USACE82875)	1.49	1.45	1.23	0.39	0.04	0.02	0.01	0.00	0.08	0.03	0.96	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.29	1.32	0.91	1.09	0.00	0.00	0.00	0.15	0.26	1.07	1.26
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.13	0.88	0.28	0.18	0.02	0.06	0.06	0.13	0.07	0.43	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.21	0.84	0.36	0.54	0.04	0.07	0.09	0.14	0.08	0.47	0.84
USGS 07380335 - Little Lake Near Cutoff	0.93	1.18	0.64	0.30	0.29	0.03	0.08	0.16	0.27	0.17	0.47	0.78
USGS073802516 Barataria Pass at Grand Isle	0.90	1.08	0.39	0.14	0.02	0.01	0.02	0.05	0.15	0.03	0.33	0.66
HWQ14 - Lake Washington	0.91	1.00	0.47	0.04	0.01	0.02	0.07	0.11	0.20	0.09	0.31	0.67
HWQ16 - Bayou Grand Liard	0.80	1.05	0.68	0.50	0.27	0.30	0.29	0.17	0.36	0.27	0.42	0.69
CRMS 3985	1.08	1.05	0.68	0.14	0.08	0.10	0.23	0.28	0.33	0.24	0.50	0.91
CRMS 0258	1.01	1.13	0.67	0.09	0.11	0.00	0.00	0.00	0.02	0.01	0.61	0.84
CRMS 0224	1.01	1.15	0.48	0.17	0.01	0.00	0.01	0.00	0.06	0.05	0.54	0.65
CRMS 0163	1.37	1.30	1.30	0.95	0.39	0.04	0.01	0.00	0.23	0.47	1.26	1.30
CRMS 0162	1.39	1.30	1.34	1.29	1.22	1.19	1.30	1.09	1.03	1.34	1.35	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.52	1.04	1.23	1.24	1.05	1.08	0.95	0.93	1.11	1.04	0.84
CRMS0276 - Just east of Wilkinson Canal	0.04	0.01	-0.13	-0.06	-0.02	-0.03	-0.03	-0.03	0.01	0.02	0.05	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.63	1.12	0.90	1.08	0.00	0.00	0.00	0.14	0.25	0.86	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.17	0.22	0.24	0.17	-0.01	-0.01	-0.03	-0.08	-0.05	0.04	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.34	0.41	0.32	0.53	0.01	0.01	0.01	-0.01	0.00	0.15	0.22
USGS 07380335 - Little Lake Near Cutoff	0.09	0.27	0.23	0.23	0.28	0.00	-0.02	0.00	0.02	-0.01	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.04	0.18	0.00	0.08	0.01	0.00	0.00	0.01	-0.01	-0.01	0.05	0.07
HWQ14 - Lake Washington	-0.02	0.07	-0.06	0.03	0.00	0.00	0.01	0.02	-0.04	-0.02	-0.03	-0.03
HWQ16 - Bayou Grand Liard	0.02	0.07	-0.04	-0.01	-0.11	-0.01	0.02	0.04	0.05	0.04	0.05	0.02
CRMS 3985	-0.05	-0.04	-0.22	-0.02	-0.06	-0.02	-0.04	-0.08	-0.13	-0.13	-0.13	-0.11
CRMS 0258	0.31	0.29	0.29	0.04	0.08	0.00	0.00	0.00	0.00	-0.04	0.05	0.08
CRMS 0224	0.27	0.37	0.28	0.11	0.01	0.00	0.00	0.00	-0.02	0.02	0.22	0.12
CRMS 0163	0.00	0.00	0.00	-0.02	-0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00

Figure WQ NO3 13 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.90	0.44	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.37
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.08	0.68	0.20	0.16	0.08	0.12	0.44	0.53	0.51	0.67
Barataria Waterway at Lafitte (USACE82875)	1.43	1.35	1.41	0.94	0.22	0.12	0.10	0.01	0.15	0.02	0.87	1.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.93	0.33	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.28	0.35
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.94	0.58	0.01	0.01	0.04	0.10	0.05	0.16	0.08	0.34	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.94	0.41	0.06	0.01	0.03	0.06	0.08	0.12	0.07	0.30	0.57
USGS 07380335 - Little Lake Near Cutoff	0.85	1.00	0.45	0.13	0.02	0.04	0.12	0.19	0.27	0.15	0.33	0.53
USGS073802516 Barataria Pass at Grand Isle	0.85	0.95	0.39	0.10	0.01	0.01	0.03	0.06	0.12	0.02	0.24	0.52
HWQ14 - Lake Washington	0.90	0.90	0.42	0.01	0.01	0.03	0.10	0.07	0.21	0.08	0.31	0.66
HWQ16 - Bayou Grand Liard	0.87	1.09	0.87	0.62	0.46	0.43	0.51	0.67	0.56	0.43	0.28	0.45
CRMS 3985	1.07	1.03	0.70	0.04	0.05	0.13	0.34	0.31	0.38	0.25	0.58	0.98
CRMS 0258	0.95	1.16	0.91	0.05	0.01	0.00	0.00	0.00	0.09	0.01	0.62	0.87
CRMS 0224	0.83	1.02	0.32	0.07	0.00	0.00	0.01	0.00	0.03	0.01	0.38	0.60
CRMS 0163	1.26	1.17	1.23	1.19	0.95	0.47	0.02	0.03	0.39	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.25	1.33	1.31	1.32	1.35	1.37	1.39

V3PR4 HYST - cy 0 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.24	1.27	1.31	1.08	0.92	1.13	1.41	1.35
CRMS0276 - Just east of Wilkinson Canal	1.18	1.33	1.03	0.64	0.16	0.15	0.15	0.08	0.43	0.54	0.55	0.72
Barataria Waterway at Lafitte (USACE82875)	1.43	1.36	1.41	0.85	0.19	0.10	0.08	0.00	0.15	0.02	0.87	1.03
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.16	1.23	1.20	1.25	1.30	1.34	0.73	0.15	0.25	1.19	1.31
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.16	1.20	0.98	0.71	0.31	0.19	0.10	0.13	0.09	0.49	0.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.19	1.25	1.13	1.02	1.05	1.01	0.46	0.16	0.11	0.56	0.88
USGS 07380335 - Little Lake Near Cutoff	1.19	1.23	1.28	1.03	0.81	0.90	0.88	0.47	0.32	0.22	0.53	0.79
USGS073802516 Barataria Pass at Grand Isle	1.09	1.18	1.04	0.33	0.11	0.05	0.14	0.05	0.12	0.08	0.40	0.69
HWQ14 - Lake Washington	0.97	1.06	0.88	0.22	0.10	0.05	0.11	0.14	0.19	0.10	0.38	0.71
HWQ16 - Bayou Grand Liard	1.00	1.21	1.07	0.59	0.44	0.47	0.51	0.55	0.58	0.46	0.34	0.56
CRMS 3985	1.02	1.05	0.95	0.38	0.23	0.16	0.25	0.32	0.26	0.24	0.50	0.92
CRMS 0258	1.23	1.25	1.30	0.94	0.16	0.02	0.04	0.02	0.28	0.08	0.77	0.91
CRMS 0224	1.23	1.24	1.28	0.72	0.06	0.05	0.06	0.01	0.07	0.03	0.68	0.76
CRMS 0163	1.27	1.17	1.23	1.17	0.92	0.44	0.01	0.03	0.39	0.48	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.24	1.23	1.33	1.32	1.32	1.34	1.37	1.39

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.26	0.79	1.19	1.22	1.27	1.30	1.07	0.90	1.13	1.22	0.98
CRMS0276 - Just east of Wilkinson Canal	0.14	0.02	-0.05	-0.04	-0.04	-0.02	0.06	-0.04	0.00	0.01	0.04	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.09	-0.04	-0.02	-0.02	0.00	0.00	0.00	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.41	0.22	0.89	1.19	1.25	1.29	1.34	0.73	0.14	0.25	0.91	0.96
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.21	0.62	0.97	0.70	0.27	0.09	0.05	-0.02	0.02	0.15	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.34	0.25	0.84	1.07	1.01	1.02	0.95	0.38	0.03	0.05	0.25	0.32
USGS 07380335 - Little Lake Near Cutoff	0.34	0.23	0.83	0.90	0.80	0.85	0.76	0.29	0.05	0.07	0.21	0.26
USGS073802516 Barataria Pass at Grand Isle	0.24	0.23	0.65	0.23	0.10	0.04	0.11	-0.01	0.01	0.05	0.16	0.17
HWQ14 - Lake Washington	0.08	0.15	0.46	0.22	0.09	0.02	0.01	0.06	-0.02	0.02	0.07	0.04
HWQ16 - Bayou Grand Liard	0.13	0.13	0.21	-0.02	-0.03	0.05	0.00	-0.12	0.02	0.02	0.06	0.11
CRMS 3985	-0.05	0.02	0.25	0.34	0.18	0.04	-0.09	0.01	-0.11	-0.01	-0.08	-0.07
CRMS 0258	0.28	0.09	0.40	0.89	0.14	0.02	0.04	0.02	0.19	0.06	0.15	0.03
CRMS 0224	0.40	0.22	0.96	0.65	0.06	0.05	0.06	0.00	0.04	0.02	0.30	0.16
CRMS 0163	0.00	0.00	0.00	-0.02	-0.03	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.01	0.00	0.00	0.00	0.00

Figure WQ NO3 14 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.85	0.46	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.45
CRMS0276 - Just east of Wilkinson Canal	1.09	1.22	1.02	0.74	0.50	0.34	0.09	0.14	0.45	0.46	0.47	0.96
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	1.03	0.61	0.51	0.13	0.00	0.13	0.01	0.87	1.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.85	0.91	0.37	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.26	0.38
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.96	0.68	0.01	0.01	0.02	0.07	0.08	0.18	0.07	0.30	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.88	0.91	0.47	0.07	0.01	0.04	0.07	0.10	0.13	0.07	0.25	0.59
USGS 07380335 - Little Lake Near Cutoff	0.90	0.95	0.46	0.15	0.04	0.06	0.13	0.21	0.26	0.14	0.25	0.62
USGS073802516 Barataria Pass at Grand Isle	0.87	0.92	0.42	0.10	0.01	0.02	0.03	0.08	0.15	0.02	0.20	0.56
HWQ14 - Lake Washington	0.89	0.92	0.54	0.01	0.01	0.02	0.10	0.12	0.22	0.08	0.27	0.65
HWQ16 - Bayou Grand Liard	0.88	0.96	0.71	0.63	0.58	0.58	0.58	0.65	0.55	0.33	0.23	0.71
CRMS 3985	1.08	1.11	0.89	0.06	0.04	0.10	0.24	0.29	0.38	0.25	0.55	0.94
CRMS 0258	1.04	1.14	0.90	0.08	0.01	0.00	0.00	0.02	0.12	0.01	0.59	0.99
CRMS 0224	0.91	0.98	0.37	0.09	0.00	0.00	0.01	0.00	0.04	0.01	0.35	0.65
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.99	0.03	0.01	0.36	0.44	1.27	1.21
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.34	1.29	1.31	1.35	1.38	1.24

V3PR4 HYST - cy 0 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.39	1.20	1.20	1.17	1.21	1.30	0.97	0.92	1.16	1.38	1.21
CRMS0276 - Just east of Wilkinson Canal	1.23	1.26	1.00	0.68	0.35	0.38	0.18	0.09	0.46	0.48	0.52	0.99
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	0.97	0.56	0.47	0.11	0.00	0.13	0.02	0.86	1.18
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.43	1.21	1.20	1.18	1.23	1.34	0.09	0.17	0.27	1.18	1.21
USGS7380251 Barataria Bay North of Grand Isle	1.06	1.06	1.12	0.99	0.99	0.75	0.23	0.06	0.14	0.11	0.49	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.14	1.18	1.14	1.18	1.18	1.03	0.15	0.16	0.11	0.54	1.21
USGS 07380335 - Little Lake Near Cutoff	1.15	1.13	1.19	1.05	1.10	1.10	0.92	0.27	0.32	0.19	0.49	1.21
USGS073802516 Barataria Pass at Grand Isle	1.07	1.04	0.94	0.35	0.27	0.18	0.16	0.02	0.13	0.06	0.37	0.99
HWQ14 - Lake Washington	0.95	0.97	0.83	0.25	0.21	0.14	0.13	0.12	0.19	0.15	0.38	0.83
HWQ16 - Bayou Grand Liard	0.96	1.02	0.98	0.62	0.66	0.69	0.56	0.59	0.57	0.37	0.29	0.91
CRMS 3985	1.02	1.08	0.99	0.40	0.37	0.38	0.28	0.33	0.26	0.28	0.51	0.94
CRMS 0258	1.44	1.37	1.20	0.98	0.41	0.22	0.07	0.06	0.27	0.03	0.74	1.22
CRMS 0224	1.32	1.25	1.17	0.75	0.26	0.27	0.08	0.00	0.05	0.02	0.66	1.20
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.94	0.02	0.01	0.37	0.44	1.27	1.22
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.24	1.33	1.30	1.31	1.34	1.37	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.54	0.74	1.17	1.16	1.20	1.29	0.96	0.91	1.16	1.21	0.75
CRMS0276 - Just east of Wilkinson Canal	0.13	0.04	-0.01	-0.06	-0.15	0.04	0.09	-0.05	0.01	0.02	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.06	-0.05	-0.05	-0.03	0.00	0.00	0.00	-0.01	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.47	0.51	0.84	1.19	1.18	1.22	1.33	0.08	0.16	0.27	0.92	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.09	0.43	0.97	0.99	0.73	0.16	-0.01	-0.05	0.05	0.18	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.27	0.22	0.72	1.08	1.17	1.14	0.96	0.05	0.03	0.05	0.29	0.63
USGS 07380335 - Little Lake Near Cutoff	0.26	0.18	0.73	0.90	1.06	1.04	0.79	0.07	0.06	0.05	0.24	0.59
USGS073802516 Barataria Pass at Grand Isle	0.19	0.13	0.52	0.25	0.26	0.16	0.12	-0.06	-0.02	0.03	0.17	0.43
HWQ14 - Lake Washington	0.06	0.05	0.29	0.24	0.21	0.12	0.04	-0.01	-0.03	0.07	0.10	0.18
HWQ16 - Bayou Grand Liard	0.08	0.06	0.27	-0.02	0.09	0.10	-0.02	-0.06	0.02	0.04	0.06	0.21
CRMS 3985	-0.06	-0.03	0.10	0.34	0.33	0.28	0.04	0.05	-0.12	0.03	-0.04	0.00
CRMS 0258	0.40	0.23	0.30	0.90	0.40	0.22	0.07	0.04	0.14	0.03	0.14	0.22
CRMS 0224	0.42	0.27	0.80	0.66	0.26	0.26	0.08	0.00	0.02	0.02	0.31	0.55
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.05	-0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	-0.01	-0.01	0.00

Figure WQ NO3 15 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.76	0.43	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.27
CRMS0276 - Just east of Wilkinson Canal	0.97	1.22	1.00	0.57	0.28	0.11	0.09	0.22	0.48	0.52	0.60	0.84
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.36	0.64	0.31	0.05	0.01	0.00	0.09	0.03	0.97	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.69	0.25	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.23	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.96	0.67	0.03	0.01	0.03	0.09	0.10	0.18	0.10	0.35	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.88	0.43	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.60
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.43	0.08	0.02	0.04	0.12	0.19	0.29	0.19	0.37	0.61
USGS073802516 Barataria Pass at Grand Isle	0.85	0.90	0.40	0.07	0.01	0.01	0.03	0.05	0.16	0.03	0.27	0.56
HWQ14 - Lake Washington	0.92	0.92	0.51	0.01	0.01	0.02	0.08	0.08	0.21	0.11	0.32	0.69
HWQ16 - Bayou Grand Liard	0.81	0.97	0.78	0.56	0.49	0.39	0.43	0.25	0.44	0.32	0.38	0.58
CRMS 3985	1.09	1.10	0.86	0.12	0.05	0.12	0.31	0.37	0.41	0.33	0.59	1.02
CRMS 0258	0.80	0.87	0.73	0.07	0.01	0.00	0.01	0.00	0.03	0.04	0.54	0.61
CRMS 0224	0.75	0.80	0.25	0.06	0.00	0.00	0.01	0.00	0.07	0.04	0.35	0.52
CRMS 0163	1.31	1.37	1.26	1.14	1.09	0.25	0.01	0.01	0.28	0.54	1.26	1.31
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.25	1.33	1.21	1.17	1.34	1.36	1.40

V3PR5 HYST - cy 0 - 1970 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.33	1.28	1.25	1.21	1.32	1.12	0.97	0.95	1.10	1.30	1.37
CRMS0276 - Just east of Wilkinson Canal	1.11	1.22	0.80	0.44	0.21	0.09	0.05	0.15	0.49	0.53	0.68	0.90
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.33	0.59	0.25	0.04	0.01	0.00	0.09	0.03	0.96	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.32	1.28	1.25	1.23	1.35	0.18	0.00	0.14	0.19	1.06	1.30
USGS7380251 Barataria Bay North of Grand Isle	1.08	1.07	1.13	0.81	0.88	0.15	0.06	0.06	0.15	0.09	0.43	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.19	1.22	1.02	1.14	0.76	0.14	0.10	0.16	0.11	0.52	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.17	1.19	0.81	1.00	0.54	0.19	0.18	0.32	0.21	0.53	0.78
USGS073802516 Barataria Pass at Grand Isle	1.02	1.05	0.85	0.26	0.16	0.03	0.02	0.06	0.16	0.05	0.38	0.67
HWQ14 - Lake Washington	0.95	0.96	0.73	0.11	0.13	0.03	0.07	0.11	0.20	0.13	0.34	0.69
HWQ16 - Bayou Grand Liard	0.92	1.03	0.87	0.48	0.49	0.34	0.42	0.33	0.46	0.37	0.45	0.64
CRMS 3985	1.03	1.03	0.84	0.24	0.26	0.12	0.23	0.30	0.30	0.26	0.50	0.93
CRMS 0258	1.15	1.16	1.18	0.54	0.22	0.00	0.01	0.01	0.03	0.01	0.64	0.62
CRMS 0224	1.16	1.17	1.12	0.43	0.09	0.01	0.01	0.00	0.08	0.07	0.61	0.68
CRMS 0163	1.31	1.37	1.26	1.10	1.04	0.24	0.01	0.01	0.27	0.54	1.26	1.30
CRMS 0162	1.28	1.33	1.28	1.26	1.23	1.24	1.32	1.19	1.16	1.34	1.36	1.40

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.47	0.57	0.85	1.22	1.20	1.32	1.12	0.97	0.94	1.09	1.09	1.09
CRMS0276 - Just east of Wilkinson Canal	0.14	0.00	-0.20	-0.12	-0.07	-0.02	-0.03	-0.07	0.01	0.01	0.08	0.05
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.03	-0.05	-0.06	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.54	0.62	1.03	1.24	1.22	1.34	0.17	0.00	0.12	0.18	0.83	1.04
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.46	0.78	0.87	0.12	-0.02	-0.04	-0.03	-0.01	0.08	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.31	0.80	0.99	1.13	0.73	0.08	0.02	0.01	0.02	0.19	0.26
USGS 07380335 - Little Lake Near Cutoff	0.27	0.26	0.77	0.73	0.98	0.50	0.08	-0.01	0.02	0.02	0.16	0.17
USGS073802516 Barataria Pass at Grand Isle	0.17	0.15	0.45	0.19	0.15	0.02	0.00	0.01	0.00	0.02	0.11	0.11
HWQ14 - Lake Washington	0.04	0.04	0.22	0.10	0.12	0.01	-0.01	0.02	-0.01	0.02	0.02	0.00
HWQ16 - Bayou Grand Liard	0.11	0.06	0.09	-0.08	0.00	-0.04	-0.02	0.07	0.01	0.05	0.07	0.06
CRMS 3985	-0.07	-0.07	-0.02	0.12	0.21	0.00	-0.08	-0.07	-0.12	-0.07	-0.09	-0.09
CRMS 0258	0.35	0.30	0.45	0.47	0.21	0.00	0.00	0.00	0.00	-0.03	0.10	0.00
CRMS 0224	0.41	0.37	0.87	0.37	0.08	0.01	0.00	0.00	0.00	0.03	0.26	0.15
CRMS 0163	0.00	0.00	0.00	-0.04	-0.05	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.02	-0.01	0.00	0.00	0.00

Figure WQ NO3 16 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.87	0.40	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.42
CRMS0276 - Just east of Wilkinson Canal	1.06	1.29	1.17	0.78	0.46	0.15	0.09	0.18	0.48	0.42	0.45	0.95
Barataria Waterway at Lafitte (USACE82875)	1.47	1.39	1.34	1.12	0.58	0.05	0.02	0.00	0.11	0.03	0.92	1.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.88	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.34
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.95	0.59	0.01	0.01	0.02	0.08	0.10	0.19	0.07	0.31	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.92	0.41	0.06	0.01	0.04	0.07	0.11	0.13	0.06	0.24	0.56
USGS 07380335 - Little Lake Near Cutoff	0.87	0.97	0.45	0.15	0.04	0.04	0.10	0.23	0.28	0.13	0.23	0.59
USGS073802516 Barataria Pass at Grand Isle	0.86	0.93	0.39	0.09	0.01	0.01	0.02	0.08	0.16	0.02	0.19	0.54
HWQ14 - Lake Washington	0.90	0.91	0.43	0.01	0.01	0.02	0.10	0.17	0.22	0.07	0.29	0.65
HWQ16 - Bayou Grand Liard	0.85	1.05	0.88	0.64	0.57	0.40	0.48	0.44	0.50	0.20	0.23	0.63
CRMS 3985	1.08	1.05	0.74	0.04	0.05	0.10	0.25	0.31	0.40	0.27	0.57	0.97
CRMS 0258	1.00	1.14	0.84	0.06	0.01	0.02	0.05	0.00	0.02	0.01	0.50	0.88
CRMS 0224	0.86	0.98	0.29	0.09	0.00	0.00	0.01	0.00	0.06	0.01	0.30	0.59
CRMS 0163	1.32	1.21	1.15	1.18	1.16	0.26	0.01	0.01	0.29	0.44	1.26	1.28
CRMS 0162	1.31	1.21	1.17	1.21	1.22	1.27	1.35	1.22	1.23	1.30	1.37	1.32

V3PR5 HYST - cy 0 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.19	1.15	1.17	1.17	1.10	1.05	0.96	0.94	1.17	1.35	1.29
CRMS0276 - Just east of Wilkinson Canal	1.17	1.30	1.09	0.72	0.36	0.10	0.06	0.15	0.46	0.45	0.49	0.96
Barataria Waterway at Lafitte (USACE82875)	1.48	1.39	1.34	1.05	0.56	0.04	0.02	0.00	0.11	0.03	0.91	1.06
USGS2928590900040000 Barataria Waterway South of Lafitte	1.27	1.19	1.16	1.19	1.19	0.41	0.00	0.01	0.15	0.17	1.11	1.25
USGS7380251 Barataria Bay North of Grand Isle	1.08	1.17	1.15	1.03	1.00	0.10	0.07	0.06	0.14	0.09	0.43	0.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.22	1.19	1.16	1.19	0.27	0.08	0.10	0.16	0.10	0.49	1.02
USGS 07380335 - Little Lake Near Cutoff	1.17	1.25	1.22	1.10	1.11	0.25	0.09	0.19	0.32	0.18	0.44	0.95
USGS073802516 Barataria Pass at Grand Isle	1.06	1.17	1.06	0.40	0.28	0.02	0.02	0.06	0.16	0.04	0.33	0.76
HWQ14 - Lake Washington	0.95	1.05	0.91	0.27	0.23	0.04	0.07	0.12	0.19	0.13	0.34	0.72
HWQ16 - Bayou Grand Liard	0.97	1.18	1.13	0.69	0.69	0.40	0.42	0.48	0.51	0.25	0.28	0.71
CRMS 3985	1.04	1.07	1.00	0.47	0.38	0.16	0.24	0.29	0.28	0.26	0.50	0.91
CRMS 0258	1.27	1.24	1.22	1.00	0.34	0.02	0.03	0.00	0.03	0.01	0.60	1.03
CRMS 0224	1.25	1.25	1.22	0.78	0.24	0.00	0.01	0.00	0.05	0.03	0.60	0.92
CRMS 0163	1.32	1.21	1.15	1.18	1.15	0.24	0.01	0.01	0.29	0.43	1.26	1.28
CRMS 0162	1.31	1.21	1.18	1.21	1.23	1.26	1.35	1.23	1.24	1.30	1.38	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.32	0.75	1.15	1.16	1.10	1.05	0.96	0.93	1.16	1.19	0.87
CRMS0276 - Just east of Wilkinson Canal	0.11	0.01	-0.08	-0.07	-0.10	-0.05	-0.03	-0.04	-0.02	0.02	0.04	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.08	-0.02	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.31	0.86	1.17	1.19	0.40	0.00	0.01	0.14	0.17	0.90	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.22	0.56	1.02	0.99	0.08	-0.02	-0.04	-0.05	0.02	0.12	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.31	0.30	0.78	1.10	1.17	0.24	0.01	-0.01	0.02	0.04	0.25	0.46
USGS 07380335 - Little Lake Near Cutoff	0.30	0.27	0.78	0.94	1.07	0.21	-0.01	-0.04	0.04	0.04	0.21	0.37
USGS073802516 Barataria Pass at Grand Isle	0.20	0.23	0.67	0.30	0.27	0.01	-0.01	-0.02	0.00	0.02	0.14	0.23
HWQ14 - Lake Washington	0.05	0.14	0.48	0.27	0.22	0.02	-0.02	-0.04	-0.03	0.05	0.05	0.07
HWQ16 - Bayou Grand Liard	0.12	0.13	0.25	0.05	0.11	0.00	-0.05	0.05	0.01	0.05	0.05	0.08
CRMS 3985	-0.04	0.02	0.26	0.43	0.32	0.06	0.00	-0.01	-0.12	-0.01	-0.07	-0.06
CRMS 0258	0.27	0.11	0.38	0.94	0.33	-0.01	-0.02	0.00	0.01	-0.01	0.11	0.14
CRMS 0224	0.39	0.27	0.93	0.69	0.24	0.00	0.00	0.00	0.00	0.02	0.30	0.33
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.01	-0.01	0.01	0.00

Figure WQ NO3 17 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.77	0.28	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.24	0.46
CRMS0276 - Just east of Wilkinson Canal	0.95	1.23	0.92	0.55	0.14	0.11	0.12	0.20	0.50	0.48	0.58	0.96
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.42	0.05	0.02	0.01	0.00	0.08	0.03	0.97	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.67	0.20	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.21	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.98	0.96	0.65	0.04	0.01	0.03	0.07	0.09	0.21	0.12	0.39	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.88	0.42	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.62
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.41	0.08	0.01	0.03	0.10	0.16	0.25	0.18	0.35	0.64
USGS073802516 Barataria Pass at Grand Isle	0.86	0.90	0.39	0.06	0.01	0.01	0.02	0.04	0.15	0.04	0.27	0.59
HWQ14 - Lake Washington	0.93	0.93	0.53	0.01	0.01	0.02	0.06	0.10	0.24	0.11	0.34	0.71
HWQ16 - Bayou Grand Liard	0.79	0.98	0.72	0.50	0.38	0.31	0.27	0.13	0.31	0.23	0.37	0.67
CRMS 3985	1.13	1.09	0.90	0.16	0.14	0.13	0.27	0.36	0.45	0.37	0.63	1.02
CRMS 0258	0.69	0.84	0.38	0.05	0.03	0.00	0.01	0.00	0.03	0.05	0.57	0.76
CRMS 0224	0.75	0.78	0.19	0.06	0.00	0.00	0.01	0.01	0.08	0.04	0.32	0.53
CRMS 0163	1.37	1.30	1.30	0.97	0.43	0.03	0.01	0.00	0.23	0.48	1.26	1.30
CRMS 0162	1.39	1.30	1.34	1.29	1.23	1.20	1.31	1.10	1.03	1.34	1.35	1.35

V3PR5 HYST - cy 0 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.28	1.33	1.25	1.25	1.05	1.09	0.96	0.94	1.11	1.28	1.31
CRMS0276 - Just east of Wilkinson Canal	0.98	1.24	0.78	0.48	0.13	0.08	0.09	0.17	0.52	0.48	0.62	0.94
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.38	0.04	0.02	0.01	0.00	0.08	0.03	0.96	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	1.31	1.29	1.31	0.84	1.05	0.00	0.00	0.01	0.12	0.17	1.02	1.24
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.13	0.89	0.28	0.18	0.02	0.06	0.05	0.13	0.08	0.43	0.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.21	0.84	0.36	0.54	0.04	0.07	0.09	0.14	0.08	0.46	0.84
USGS 07380335 - Little Lake Near Cutoff	0.93	1.18	0.64	0.31	0.29	0.02	0.08	0.17	0.27	0.17	0.46	0.78
USGS073802516 Barataria Pass at Grand Isle	0.90	1.07	0.39	0.15	0.02	0.01	0.02	0.05	0.14	0.03	0.32	0.66
HWQ14 - Lake Washington	0.90	1.00	0.47	0.04	0.01	0.02	0.07	0.11	0.19	0.10	0.30	0.67
HWQ16 - Bayou Grand Liard	0.80	1.04	0.68	0.50	0.27	0.30	0.29	0.19	0.35	0.25	0.40	0.69
CRMS 3985	1.08	1.05	0.67	0.13	0.09	0.10	0.23	0.28	0.30	0.24	0.49	0.90
CRMS 0258	1.00	1.13	0.66	0.08	0.10	0.00	0.00	0.00	0.02	0.01	0.61	0.83
CRMS 0224	1.01	1.15	0.47	0.16	0.01	0.00	0.01	0.00	0.07	0.06	0.53	0.66
CRMS 0163	1.37	1.30	1.29	0.96	0.40	0.04	0.01	0.00	0.23	0.48	1.26	1.29
CRMS 0162	1.39	1.30	1.34	1.29	1.22	1.19	1.31	1.10	1.04	1.34	1.35	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.52	1.04	1.24	1.24	1.05	1.08	0.96	0.92	1.10	1.04	0.84
CRMS0276 - Just east of Wilkinson Canal	0.03	0.01	-0.14	-0.06	-0.02	-0.03	-0.04	-0.03	0.02	0.00	0.03	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.62	0.62	1.12	0.83	1.04	0.00	0.00	0.00	0.10	0.16	0.81	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.17	0.24	0.24	0.17	-0.01	-0.01	-0.03	-0.08	-0.05	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.34	0.41	0.33	0.53	0.01	0.01	0.01	-0.01	0.00	0.14	0.22
USGS 07380335 - Little Lake Near Cutoff	0.08	0.27	0.23	0.23	0.28	0.00	-0.02	0.01	0.02	-0.01	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.03	0.17	0.00	0.08	0.01	0.00	0.00	0.01	-0.01	-0.01	0.05	0.07
HWQ14 - Lake Washington	-0.03	0.07	-0.07	0.03	0.00	0.00	0.01	0.01	-0.04	-0.01	-0.04	-0.04
HWQ16 - Bayou Grand Liard	0.02	0.06	-0.04	0.00	-0.11	-0.02	0.02	0.06	0.04	0.01	0.03	0.03
CRMS 3985	-0.05	-0.04	-0.23	-0.03	-0.05	-0.02	-0.04	-0.08	-0.15	-0.13	-0.14	-0.12
CRMS 0258	0.31	0.29	0.28	0.03	0.07	0.00	0.00	0.00	0.00	-0.04	0.04	0.08
CRMS 0224	0.26	0.37	0.28	0.10	0.01	0.00	0.00	0.00	-0.01	0.02	0.21	0.12
CRMS 0163	0.00	0.00	0.00	-0.01	-0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.01	0.00	0.00	0.00

Figure WQ NO3 18 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.90	0.44	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.37
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.08	0.68	0.20	0.16	0.08	0.12	0.44	0.53	0.51	0.67
Barataria Waterway at Lafitte (USACE82875)	1.43	1.35	1.41	0.94	0.22	0.12	0.10	0.01	0.15	0.02	0.87	1.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.93	0.33	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.28	0.35
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.94	0.58	0.01	0.01	0.04	0.10	0.05	0.16	0.08	0.34	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.94	0.41	0.06	0.01	0.03	0.06	0.08	0.12	0.07	0.30	0.57
USGS 07380335 - Little Lake Near Cutoff	0.85	1.00	0.45	0.13	0.02	0.04	0.12	0.19	0.27	0.15	0.33	0.53
USGS073802516 Barataria Pass at Grand Isle	0.85	0.95	0.39	0.10	0.01	0.01	0.03	0.06	0.12	0.02	0.24	0.52
HWQ14 - Lake Washington	0.90	0.90	0.42	0.01	0.01	0.03	0.10	0.07	0.21	0.08	0.31	0.66
HWQ16 - Bayou Grand Liard	0.87	1.09	0.87	0.62	0.46	0.43	0.51	0.67	0.56	0.43	0.28	0.45
CRMS 3985	1.07	1.03	0.70	0.04	0.05	0.13	0.34	0.31	0.38	0.25	0.58	0.98
CRMS 0258	0.95	1.16	0.91	0.05	0.01	0.00	0.00	0.00	0.09	0.01	0.62	0.87
CRMS 0224	0.83	1.02	0.32	0.07	0.00	0.00	0.01	0.00	0.03	0.01	0.38	0.60
CRMS 0163	1.26	1.17	1.23	1.19	0.95	0.47	0.02	0.03	0.39	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.25	1.33	1.31	1.32	1.35	1.37	1.39

V3PR5 HYST - cy 0 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.24	1.27	1.31	1.08	0.93	1.14	1.41	1.35
CRMS0276 - Just east of Wilkinson Canal	1.18	1.33	1.03	0.64	0.16	0.14	0.15	0.08	0.44	0.54	0.55	0.69
Barataria Waterway at Lafitte (USACE82875)	1.43	1.36	1.41	0.86	0.18	0.10	0.08	0.01	0.15	0.02	0.88	1.03
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.16	1.23	1.19	1.25	1.30	1.34	0.72	0.12	0.19	1.14	1.29
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.16	1.20	1.00	0.73	0.33	0.21	0.10	0.14	0.10	0.49	0.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.19	1.26	1.14	1.03	1.06	1.02	0.46	0.16	0.12	0.56	0.88
USGS 07380335 - Little Lake Near Cutoff	1.19	1.23	1.28	1.04	0.82	0.90	0.88	0.47	0.32	0.22	0.54	0.78
USGS073802516 Barataria Pass at Grand Isle	1.09	1.18	1.04	0.33	0.11	0.05	0.14	0.05	0.13	0.07	0.40	0.69
HWQ14 - Lake Washington	0.98	1.06	0.88	0.23	0.10	0.05	0.12	0.14	0.19	0.11	0.38	0.71
HWQ16 - Bayou Grand Liard	1.00	1.21	1.07	0.59	0.44	0.47	0.50	0.55	0.56	0.45	0.34	0.54
CRMS 3985	1.03	1.06	0.96	0.39	0.24	0.17	0.25	0.33	0.26	0.25	0.50	0.92
CRMS 0258	1.23	1.25	1.30	0.92	0.14	0.01	0.03	0.02	0.28	0.08	0.77	0.90
CRMS 0224	1.23	1.24	1.28	0.71	0.05	0.06	0.06	0.01	0.07	0.03	0.68	0.73
CRMS 0163	1.27	1.17	1.23	1.17	0.90	0.43	0.02	0.02	0.40	0.50	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.23	1.33	1.31	1.32	1.34	1.37	1.39

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.26	0.79	1.19	1.23	1.27	1.30	1.08	0.92	1.14	1.22	0.98
CRMS0276 - Just east of Wilkinson Canal	0.14	0.02	-0.05	-0.04	-0.04	-0.02	0.06	-0.04	0.00	0.01	0.04	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.08	-0.04	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.41	0.22	0.89	1.18	1.25	1.30	1.34	0.71	0.11	0.19	0.86	0.95
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.22	0.62	0.99	0.72	0.29	0.11	0.05	-0.02	0.02	0.15	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.34	0.25	0.84	1.08	1.02	1.03	0.96	0.37	0.04	0.05	0.26	0.31
USGS 07380335 - Little Lake Near Cutoff	0.34	0.23	0.83	0.90	0.80	0.85	0.76	0.28	0.05	0.07	0.21	0.25
USGS073802516 Barataria Pass at Grand Isle	0.24	0.22	0.65	0.23	0.10	0.04	0.11	-0.01	0.01	0.05	0.16	0.17
HWQ14 - Lake Washington	0.08	0.15	0.46	0.22	0.09	0.02	0.01	0.07	-0.02	0.03	0.07	0.05
HWQ16 - Bayou Grand Liard	0.13	0.13	0.20	-0.03	-0.03	0.05	0.00	-0.12	0.01	0.02	0.07	0.09
CRMS 3985	-0.04	0.03	0.26	0.35	0.19	0.05	-0.09	0.02	-0.11	-0.01	-0.08	-0.06
CRMS 0258	0.28	0.09	0.40	0.87	0.13	0.00	0.02	0.02	0.19	0.07	0.14	0.02
CRMS 0224	0.40	0.22	0.96	0.64	0.05	0.05	0.05	0.00	0.04	0.02	0.30	0.14
CRMS 0163	0.00	0.00	0.00	-0.02	-0.05	-0.04	0.00	0.00	0.02	0.01	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ NO3 19 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.85	0.46	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.45
CRMS0276 - Just east of Wilkinson Canal	1.09	1.22	1.02	0.74	0.50	0.34	0.09	0.14	0.45	0.46	0.47	0.96
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	1.03	0.61	0.51	0.13	0.00	0.13	0.01	0.87	1.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.85	0.91	0.37	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.26	0.38
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.96	0.68	0.01	0.01	0.02	0.07	0.08	0.18	0.07	0.30	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.88	0.91	0.47	0.07	0.01	0.04	0.07	0.10	0.13	0.07	0.25	0.59
USGS 07380335 - Little Lake Near Cutoff	0.90	0.95	0.46	0.15	0.04	0.06	0.13	0.21	0.26	0.14	0.25	0.62
USGS073802516 Barataria Pass at Grand Isle	0.87	0.92	0.42	0.10	0.01	0.02	0.03	0.08	0.15	0.02	0.20	0.56
HWQ14 - Lake Washington	0.89	0.92	0.54	0.01	0.01	0.02	0.10	0.12	0.22	0.08	0.27	0.65
HWQ16 - Bayou Grand Liard	0.88	0.96	0.71	0.63	0.58	0.58	0.58	0.65	0.55	0.33	0.23	0.71
CRMS 3985	1.08	1.11	0.89	0.06	0.04	0.10	0.24	0.29	0.38	0.25	0.55	0.94
CRMS 0258	1.04	1.14	0.90	0.08	0.01	0.00	0.00	0.02	0.12	0.01	0.59	0.99
CRMS 0224	0.91	0.98	0.37	0.09	0.00	0.00	0.01	0.00	0.04	0.01	0.35	0.65
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.99	0.03	0.01	0.36	0.44	1.27	1.21
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.34	1.29	1.31	1.35	1.38	1.24

V3PR5 HYST - cy 0 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.39	1.20	1.20	1.17	1.21	1.30	0.96	0.95	1.18	1.38	1.21
CRMS0276 - Just east of Wilkinson Canal	1.23	1.26	1.00	0.68	0.36	0.37	0.18	0.09	0.45	0.48	0.51	0.98
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	0.96	0.57	0.47	0.11	0.00	0.13	0.01	0.86	1.17
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.42	1.21	1.20	1.19	1.24	1.34	0.07	0.14	0.19	1.14	1.21
USGS7380251 Barataria Bay North of Grand Isle	1.06	1.06	1.12	1.00	1.01	0.78	0.24	0.06	0.14	0.11	0.49	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.14	1.18	1.15	1.18	1.18	1.04	0.15	0.16	0.12	0.54	1.21
USGS 07380335 - Little Lake Near Cutoff	1.16	1.13	1.19	1.05	1.10	1.11	0.93	0.27	0.33	0.20	0.48	1.21
USGS073802516 Barataria Pass at Grand Isle	1.07	1.04	0.94	0.35	0.27	0.18	0.15	0.02	0.13	0.06	0.37	0.99
HWQ14 - Lake Washington	0.96	0.97	0.84	0.25	0.22	0.14	0.13	0.12	0.19	0.14	0.37	0.83
HWQ16 - Bayou Grand Liard	0.97	1.01	0.98	0.61	0.66	0.69	0.56	0.58	0.57	0.37	0.28	0.91
CRMS 3985	1.02	1.08	0.99	0.42	0.39	0.40	0.29	0.33	0.26	0.26	0.50	0.95
CRMS 0258	1.44	1.36	1.20	0.92	0.35	0.18	0.06	0.06	0.27	0.04	0.73	1.21
CRMS 0224	1.33	1.25	1.17	0.72	0.23	0.25	0.08	0.00	0.06	0.03	0.66	1.20
CRMS 0163	1.35	1.42	1.21	1.17	1.15	0.93	0.02	0.01	0.37	0.44	1.27	1.22
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.33	1.30	1.31	1.34	1.37	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.54	0.74	1.17	1.16	1.20	1.29	0.96	0.94	1.17	1.21	0.75
CRMS0276 - Just east of Wilkinson Canal	0.14	0.04	-0.01	-0.07	-0.14	0.03	0.09	-0.05	0.01	0.02	0.04	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.06	-0.04	-0.05	-0.03	0.00	0.00	0.00	-0.01	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.51	0.84	1.19	1.18	1.23	1.34	0.06	0.13	0.19	0.88	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.09	0.44	0.99	1.00	0.76	0.17	-0.01	-0.05	0.04	0.18	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.27	0.23	0.72	1.08	1.16	1.15	0.97	0.06	0.04	0.05	0.29	0.62
USGS 07380335 - Little Lake Near Cutoff	0.26	0.18	0.72	0.91	1.06	1.04	0.79	0.06	0.06	0.06	0.23	0.58
USGS073802516 Barataria Pass at Grand Isle	0.20	0.13	0.52	0.25	0.26	0.17	0.12	-0.06	-0.02	0.04	0.17	0.42
HWQ14 - Lake Washington	0.07	0.05	0.30	0.25	0.22	0.12	0.04	-0.01	-0.03	0.06	0.10	0.19
HWQ16 - Bayou Grand Liard	0.09	0.05	0.27	-0.02	0.08	0.11	-0.02	-0.07	0.02	0.04	0.05	0.21
CRMS 3985	-0.05	-0.03	0.10	0.35	0.35	0.30	0.04	0.04	-0.12	0.02	-0.04	0.01
CRMS 0258	0.40	0.23	0.30	0.84	0.34	0.18	0.05	0.04	0.15	0.03	0.14	0.22
CRMS 0224	0.42	0.27	0.80	0.63	0.23	0.25	0.07	0.00	0.02	0.02	0.31	0.55
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.06	-0.01	0.00	0.01	0.00	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	-0.01	0.00

Figure WQ NO3 20 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.76	0.43	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.27
CRMS0276 - Just east of Wilkinson Canal	0.97	1.22	1.00	0.57	0.28	0.11	0.09	0.22	0.48	0.52	0.60	0.84
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.36	0.64	0.31	0.05	0.01	0.00	0.09	0.03	0.97	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.69	0.25	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.23	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.96	0.67	0.03	0.01	0.03	0.09	0.10	0.18	0.10	0.35	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.88	0.43	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.60
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.43	0.08	0.02	0.04	0.12	0.19	0.29	0.19	0.37	0.61
USGS073802516 Barataria Pass at Grand Isle	0.85	0.90	0.40	0.07	0.01	0.01	0.03	0.05	0.16	0.03	0.27	0.56
HWQ14 - Lake Washington	0.92	0.92	0.51	0.01	0.01	0.02	0.08	0.08	0.21	0.11	0.32	0.69
HWQ16 - Bayou Grand Liard	0.81	0.97	0.78	0.56	0.49	0.39	0.43	0.25	0.44	0.32	0.38	0.58
CRMS 3985	1.09	1.10	0.86	0.12	0.05	0.12	0.31	0.37	0.41	0.33	0.59	1.02
CRMS 0258	0.80	0.87	0.73	0.07	0.01	0.00	0.01	0.00	0.03	0.04	0.54	0.61
CRMS 0224	0.75	0.80	0.25	0.06	0.00	0.00	0.01	0.00	0.07	0.04	0.35	0.52
CRMS 0163	1.31	1.37	1.26	1.14	1.09	0.25	0.01	0.01	0.28	0.54	1.26	1.31
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.25	1.33	1.21	1.17	1.34	1.36	1.40

V3PR6 HYST - cy 0 - 1970 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.33	1.28	1.25	1.21	1.33	1.12	0.97	0.93	1.08	1.30	1.37
CRMS0276 - Just east of Wilkinson Canal	1.14	1.23	0.90	0.48	0.35	0.12	0.05	0.15	0.48	0.53	0.65	0.90
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.30	0.54	0.19	0.03	0.01	0.00	0.09	0.03	0.96	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.27	1.33	1.28	1.25	1.22	1.35	0.22	0.00	0.17	0.26	1.09	1.32
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.13	1.21	1.09	1.17	0.56	0.07	0.07	0.17	0.10	0.44	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.25	1.28	1.21	1.24	1.16	0.21	0.09	0.16	0.11	0.51	0.86
USGS 07380335 - Little Lake Near Cutoff	1.17	1.23	1.29	1.13	1.21	1.02	0.29	0.17	0.32	0.21	0.52	0.79
USGS073802516 Barataria Pass at Grand Isle	1.07	1.11	1.01	0.37	0.40	0.10	0.02	0.06	0.17	0.05	0.38	0.68
HWQ14 - Lake Washington	0.99	1.01	0.85	0.23	0.33	0.09	0.07	0.10	0.21	0.14	0.35	0.69
HWQ16 - Bayou Grand Liard	0.95	1.07	1.03	0.62	0.77	0.49	0.42	0.35	0.46	0.37	0.43	0.63
CRMS 3985	1.05	1.05	0.96	0.59	0.84	0.27	0.27	0.33	0.31	0.28	0.51	0.93
CRMS 0258	1.18	1.22	1.27	1.11	0.99	0.04	0.01	0.00	0.03	0.01	0.60	0.63
CRMS 0224	1.20	1.24	1.25	0.94	0.96	0.08	0.01	0.00	0.07	0.06	0.58	0.70
CRMS 0163	1.31	1.37	1.26	1.06	0.97	0.18	0.01	0.01	0.27	0.55	1.26	1.30
CRMS 0162	1.28	1.33	1.27	1.26	1.21	1.23	1.32	1.21	1.16	1.34	1.36	1.41

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.47	0.57	0.86	1.22	1.20	1.33	1.12	0.97	0.92	1.08	1.09	1.09
CRMS0276 - Just east of Wilkinson Canal	0.17	0.01	-0.10	-0.08	0.07	0.00	-0.04	-0.07	0.00	0.01	0.05	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	-0.05	-0.11	-0.12	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.55	0.63	1.03	1.24	1.21	1.34	0.21	0.00	0.16	0.25	0.86	1.06
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.54	1.06	1.16	0.52	-0.02	-0.04	-0.01	0.00	0.09	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.34	0.37	0.85	1.18	1.23	1.13	0.16	0.01	0.01	0.02	0.19	0.26
USGS 07380335 - Little Lake Near Cutoff	0.33	0.32	0.86	1.05	1.19	0.98	0.18	-0.01	0.03	0.02	0.15	0.18
USGS073802516 Barataria Pass at Grand Isle	0.22	0.21	0.61	0.30	0.39	0.09	0.00	0.01	0.01	0.02	0.11	0.12
HWQ14 - Lake Washington	0.07	0.09	0.34	0.23	0.32	0.06	-0.01	0.02	0.00	0.03	0.03	0.01
HWQ16 - Bayou Grand Liard	0.14	0.10	0.25	0.06	0.28	0.10	-0.01	0.09	0.02	0.05	0.05	0.06
CRMS 3985	-0.04	-0.05	0.10	0.47	0.78	0.15	-0.03	-0.04	-0.11	-0.05	-0.07	-0.09
CRMS 0258	0.39	0.36	0.54	1.05	0.98	0.04	0.00	0.00	0.00	-0.03	0.06	0.02
CRMS 0224	0.45	0.44	1.00	0.88	0.96	0.08	0.00	0.00	0.00	0.02	0.23	0.17
CRMS 0163	0.01	0.00	0.00	-0.08	-0.12	-0.07	0.00	0.00	-0.01	0.01	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.04	-0.02	0.00	0.00	-0.01	0.00	0.00	0.00

Figure WQ NO3 21 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.87	0.40	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.42
CRMS0276 - Just east of Wilkinson Canal	1.06	1.29	1.17	0.78	0.46	0.15	0.09	0.18	0.48	0.42	0.45	0.95
Barataria Waterway at Lafitte (USACE82875)	1.47	1.39	1.34	1.12	0.58	0.05	0.02	0.00	0.11	0.03	0.92	1.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.88	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.34
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.95	0.59	0.01	0.01	0.02	0.08	0.10	0.19	0.07	0.31	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.92	0.41	0.06	0.01	0.04	0.07	0.11	0.13	0.06	0.24	0.56
USGS 07380335 - Little Lake Near Cutoff	0.87	0.97	0.45	0.15	0.04	0.04	0.10	0.23	0.28	0.13	0.23	0.59
USGS073802516 Barataria Pass at Grand Isle	0.86	0.93	0.39	0.09	0.01	0.01	0.02	0.08	0.16	0.02	0.19	0.54
HWQ14 - Lake Washington	0.90	0.91	0.43	0.01	0.01	0.02	0.10	0.17	0.22	0.07	0.29	0.65
HWQ16 - Bayou Grand Liard	0.85	1.05	0.88	0.64	0.57	0.40	0.48	0.44	0.50	0.20	0.23	0.63
CRMS 3985	1.08	1.05	0.74	0.04	0.05	0.10	0.25	0.31	0.40	0.27	0.57	0.97
CRMS 0258	1.00	1.14	0.84	0.06	0.01	0.02	0.05	0.00	0.02	0.01	0.50	0.88
CRMS 0224	0.86	0.98	0.29	0.09	0.00	0.00	0.01	0.00	0.06	0.01	0.30	0.59
CRMS 0163	1.32	1.21	1.15	1.18	1.16	0.26	0.01	0.01	0.29	0.44	1.26	1.28
CRMS 0162	1.31	1.21	1.17	1.21	1.22	1.27	1.35	1.22	1.23	1.30	1.37	1.32

V3PR6 HYST - cy 0 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.19	1.16	1.17	1.17	1.13	1.02	0.94	0.93	1.15	1.35	1.29
CRMS0276 - Just east of Wilkinson Canal	1.21	1.31	1.24	0.76	0.59	0.08	0.06	0.15	0.47	0.45	0.49	0.97
Barataria Waterway at Lafitte (USACE82875)	1.48	1.40	1.34	0.98	0.51	0.03	0.02	0.00	0.11	0.03	0.91	1.05
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.19	1.16	1.18	1.18	0.48	0.01	0.01	0.19	0.28	1.16	1.27
USGS7380251 Barataria Bay North of Grand Isle	1.14	1.20	1.17	1.17	1.20	0.25	0.08	0.08	0.17	0.12	0.46	1.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.21	1.18	1.20	1.23	0.40	0.09	0.11	0.18	0.12	0.50	1.07
USGS 07380335 - Little Lake Near Cutoff	1.23	1.23	1.20	1.21	1.24	0.41	0.10	0.21	0.34	0.20	0.46	1.01
USGS073802516 Barataria Pass at Grand Isle	1.12	1.20	1.17	0.68	0.61	0.08	0.02	0.06	0.16	0.05	0.35	0.82
HWQ14 - Lake Washington	0.99	1.12	1.11	0.57	0.55	0.11	0.07	0.13	0.20	0.15	0.36	0.76
HWQ16 - Bayou Grand Liard	1.01	1.24	1.22	0.97	0.95	0.50	0.43	0.51	0.51	0.25	0.29	0.75
CRMS 3985	1.07	1.17	1.18	1.02	1.02	0.31	0.26	0.32	0.28	0.28	0.52	0.94
CRMS 0258	1.27	1.23	1.20	1.25	1.18	0.01	0.01	0.00	0.03	0.01	0.55	1.03
CRMS 0224	1.28	1.22	1.19	1.24	1.22	0.04	0.01	0.00	0.06	0.05	0.61	0.98
CRMS 0163	1.32	1.22	1.16	1.17	1.14	0.21	0.01	0.01	0.29	0.43	1.26	1.28
CRMS 0162	1.31	1.21	1.18	1.21	1.23	1.26	1.35	1.23	1.24	1.30	1.37	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.42	0.32	0.75	1.15	1.16	1.12	1.01	0.94	0.92	1.15	1.19	0.87
CRMS0276 - Just east of Wilkinson Canal	0.15	0.01	0.07	-0.03	0.13	-0.07	-0.03	-0.03	-0.01	0.03	0.04	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.15	-0.07	-0.02	0.00	0.00	0.00	0.00	-0.01	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.47	0.31	0.86	1.16	1.17	0.47	0.00	0.00	0.18	0.27	0.94	0.93
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.25	0.59	1.17	1.19	0.23	-0.01	-0.02	-0.01	0.04	0.14	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.29	0.77	1.14	1.21	0.37	0.02	0.00	0.04	0.05	0.27	0.50
USGS 07380335 - Little Lake Near Cutoff	0.36	0.26	0.76	1.06	1.20	0.37	0.00	-0.02	0.06	0.06	0.22	0.42
USGS073802516 Barataria Pass at Grand Isle	0.25	0.26	0.78	0.59	0.60	0.07	-0.01	-0.02	0.00	0.03	0.15	0.28
HWQ14 - Lake Washington	0.09	0.21	0.68	0.56	0.54	0.09	-0.03	-0.04	-0.02	0.08	0.07	0.10
HWQ16 - Bayou Grand Liard	0.16	0.19	0.34	0.33	0.38	0.10	-0.05	0.07	0.01	0.06	0.06	0.13
CRMS 3985	-0.01	0.12	0.44	0.97	0.97	0.21	0.01	0.01	-0.12	0.01	-0.05	-0.03
CRMS 0258	0.27	0.09	0.36	1.19	1.17	-0.01	-0.04	0.00	0.01	-0.01	0.06	0.14
CRMS 0224	0.42	0.24	0.90	1.15	1.22	0.04	0.00	0.00	0.01	0.04	0.31	0.40
CRMS 0163	0.00	0.01	0.01	0.00	-0.02	-0.05	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00

Figure WQ NO3 22 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.77	0.28	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.24	0.46
CRMS0276 - Just east of Wilkinson Canal	0.95	1.23	0.92	0.55	0.14	0.11	0.12	0.20	0.50	0.48	0.58	0.96
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.42	0.05	0.02	0.01	0.00	0.08	0.03	0.97	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.67	0.20	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.21	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.98	0.96	0.65	0.04	0.01	0.03	0.07	0.09	0.21	0.12	0.39	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.88	0.42	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.62
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.41	0.08	0.01	0.03	0.10	0.16	0.25	0.18	0.35	0.64
USGS073802516 Barataria Pass at Grand Isle	0.86	0.90	0.39	0.06	0.01	0.01	0.02	0.04	0.15	0.04	0.27	0.59
HWQ14 - Lake Washington	0.93	0.93	0.53	0.01	0.01	0.02	0.06	0.10	0.24	0.11	0.34	0.71
HWQ16 - Bayou Grand Liard	0.79	0.98	0.72	0.50	0.38	0.31	0.27	0.13	0.31	0.23	0.37	0.67
CRMS 3985	1.13	1.09	0.90	0.16	0.14	0.13	0.27	0.36	0.45	0.37	0.63	1.02
CRMS 0258	0.69	0.84	0.38	0.05	0.03	0.00	0.01	0.00	0.03	0.05	0.57	0.76
CRMS 0224	0.75	0.78	0.19	0.06	0.00	0.00	0.01	0.01	0.08	0.04	0.32	0.53
CRMS 0163	1.37	1.30	1.30	0.97	0.43	0.03	0.01	0.00	0.23	0.48	1.26	1.30
CRMS 0162	1.39	1.30	1.34	1.29	1.23	1.20	1.31	1.10	1.03	1.34	1.35	1.35

V3PR6 HYST - cy 0 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.29	1.33	1.27	1.27	1.05	1.08	0.95	0.94	1.10	1.28	1.30
CRMS0276 - Just east of Wilkinson Canal	0.97	1.24	0.74	0.46	0.12	0.07	0.08	0.17	0.52	0.49	0.62	0.94
Barataria Waterway at Lafitte (USACE82875)	1.49	1.45	1.22	0.36	0.03	0.02	0.01	0.00	0.08	0.03	0.96	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	1.31	1.30	1.33	1.01	1.14	0.00	0.00	0.00	0.15	0.25	1.06	1.26
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.18	0.97	0.39	0.40	0.02	0.06	0.06	0.14	0.07	0.42	0.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.26	0.95	0.47	0.85	0.03	0.06	0.08	0.14	0.08	0.46	0.83
USGS 07380335 - Little Lake Near Cutoff	0.93	1.25	0.78	0.44	0.66	0.02	0.07	0.16	0.27	0.16	0.45	0.78
USGS073802516 Barataria Pass at Grand Isle	0.90	1.13	0.47	0.21	0.05	0.01	0.02	0.04	0.14	0.03	0.32	0.66
HWQ14 - Lake Washington	0.90	1.04	0.52	0.12	0.03	0.02	0.07	0.11	0.20	0.09	0.30	0.66
HWQ16 - Bayou Grand Liard	0.79	1.09	0.71	0.57	0.30	0.30	0.29	0.16	0.34	0.26	0.41	0.69
CRMS 3985	1.08	1.08	0.75	0.23	0.13	0.11	0.23	0.29	0.32	0.24	0.49	0.90
CRMS 0258	1.00	1.19	0.82	0.28	0.22	0.00	0.00	0.00	0.02	0.01	0.58	0.83
CRMS 0224	1.01	1.22	0.65	0.34	0.04	0.00	0.00	0.00	0.06	0.05	0.51	0.67
CRMS 0163	1.37	1.30	1.29	0.96	0.39	0.04	0.01	0.00	0.22	0.49	1.27	1.30
CRMS 0162	1.39	1.30	1.34	1.28	1.22	1.19	1.31	1.09	1.03	1.34	1.35	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.52	1.05	1.26	1.25	1.04	1.08	0.95	0.92	1.09	1.04	0.84
CRMS0276 - Just east of Wilkinson Canal	0.02	0.01	-0.18	-0.08	-0.02	-0.04	-0.04	-0.03	0.01	0.01	0.04	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.05	-0.02	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.63	1.14	0.99	1.13	0.00	0.00	0.00	0.14	0.25	0.84	0.94
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.22	0.32	0.35	0.39	-0.01	-0.01	-0.03	-0.08	-0.05	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.38	0.52	0.44	0.84	0.01	0.01	0.00	-0.01	-0.01	0.14	0.22
USGS 07380335 - Little Lake Near Cutoff	0.08	0.34	0.38	0.37	0.65	0.00	-0.02	0.00	0.02	-0.02	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.03	0.22	0.08	0.14	0.04	0.00	0.00	0.00	-0.01	-0.01	0.04	0.07
HWQ14 - Lake Washington	-0.03	0.11	-0.02	0.11	0.02	0.00	0.00	0.01	-0.04	-0.02	-0.04	-0.05
HWQ16 - Bayou Grand Liard	0.01	0.10	-0.01	0.07	-0.08	-0.01	0.02	0.03	0.03	0.02	0.04	0.02
CRMS 3985	-0.05	-0.01	-0.15	0.07	-0.01	-0.02	-0.04	-0.07	-0.13	-0.13	-0.13	-0.11
CRMS 0258	0.31	0.35	0.44	0.23	0.19	0.00	0.00	0.00	0.00	-0.04	0.01	0.07
CRMS 0224	0.26	0.43	0.46	0.28	0.04	0.00	0.00	0.00	-0.02	0.01	0.19	0.14
CRMS 0163	0.00	0.00	0.00	-0.01	-0.04	0.01	0.00	0.00	-0.01	0.02	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00

Figure WQ NO3 23 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.90	0.44	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.37
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.08	0.68	0.20	0.16	0.08	0.12	0.44	0.53	0.51	0.67
Barataria Waterway at Lafitte (USACE82875)	1.43	1.35	1.41	0.94	0.22	0.12	0.10	0.01	0.15	0.02	0.87	1.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.93	0.33	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.28	0.35
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.94	0.58	0.01	0.01	0.04	0.10	0.05	0.16	0.08	0.34	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.94	0.41	0.06	0.01	0.03	0.06	0.08	0.12	0.07	0.30	0.57
USGS 07380335 - Little Lake Near Cutoff	0.85	1.00	0.45	0.13	0.02	0.04	0.12	0.19	0.27	0.15	0.33	0.53
USGS073802516 Barataria Pass at Grand Isle	0.85	0.95	0.39	0.10	0.01	0.01	0.03	0.06	0.12	0.02	0.24	0.52
HWQ14 - Lake Washington	0.90	0.90	0.42	0.01	0.01	0.03	0.10	0.07	0.21	0.08	0.31	0.66
HWQ16 - Bayou Grand Liard	0.87	1.09	0.87	0.62	0.46	0.43	0.51	0.67	0.56	0.43	0.28	0.45
CRMS 3985	1.07	1.03	0.70	0.04	0.05	0.13	0.34	0.31	0.38	0.25	0.58	0.98
CRMS 0258	0.95	1.16	0.91	0.05	0.01	0.00	0.00	0.00	0.09	0.01	0.62	0.87
CRMS 0224	0.83	1.02	0.32	0.07	0.00	0.00	0.01	0.00	0.03	0.01	0.38	0.60
CRMS 0163	1.26	1.17	1.23	1.19	0.95	0.47	0.02	0.03	0.39	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.25	1.33	1.31	1.32	1.35	1.37	1.39

V3PR6 HYST - cy 0 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.24	1.28	1.32	1.09	0.92	1.12	1.40	1.35
CRMS0276 - Just east of Wilkinson Canal	1.22	1.33	1.19	0.66	0.24	0.27	0.40	0.17	0.44	0.53	0.55	0.70
Barataria Waterway at Lafitte (USACE82875)	1.44	1.36	1.40	0.80	0.17	0.10	0.07	0.00	0.17	0.04	0.93	1.06
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.16	1.23	1.22	1.25	1.29	1.34	0.75	0.15	0.26	1.18	1.32
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.17	1.24	1.16	1.08	1.01	0.85	0.25	0.15	0.10	0.50	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.17	1.26	1.21	1.21	1.27	1.27	0.71	0.16	0.12	0.56	0.90
USGS 07380335 - Little Lake Near Cutoff	1.22	1.20	1.29	1.21	1.13	1.21	1.21	0.77	0.32	0.23	0.54	0.80
USGS073802516 Barataria Pass at Grand Isle	1.13	1.20	1.18	0.57	0.30	0.25	0.25	0.11	0.12	0.09	0.41	0.71
HWQ14 - Lake Washington	1.04	1.14	1.07	0.46	0.30	0.23	0.21	0.16	0.21	0.12	0.39	0.73
HWQ16 - Bayou Grand Liard	1.08	1.25	1.23	0.88	0.64	0.68	0.64	0.62	0.58	0.46	0.35	0.55
CRMS 3985	1.11	1.17	1.20	0.92	0.67	0.60	0.49	0.42	0.30	0.27	0.52	0.93
CRMS 0258	1.22	1.20	1.30	1.20	0.75	0.51	0.40	0.03	0.26	0.06	0.75	0.91
CRMS 0224	1.23	1.18	1.30	1.21	0.60	0.45	0.23	0.00	0.05	0.03	0.67	0.79
CRMS 0163	1.27	1.18	1.23	1.15	0.81	0.40	0.01	0.02	0.40	0.50	1.27	1.32
CRMS 0162	1.25	1.18	1.24	1.24	1.23	1.21	1.33	1.31	1.31	1.34	1.37	1.39

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.26	0.79	1.19	1.23	1.27	1.32	1.09	0.91	1.11	1.21	0.98
CRMS0276 - Just east of Wilkinson Canal	0.18	0.02	0.12	-0.02	0.04	0.11	0.32	0.05	0.01	0.00	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.01	-0.14	-0.05	-0.03	-0.03	0.00	0.02	0.01	0.06	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.22	0.89	1.21	1.24	1.29	1.33	0.75	0.15	0.25	0.90	0.97
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.23	0.66	1.15	1.07	0.98	0.76	0.20	-0.01	0.02	0.16	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.24	0.84	1.15	1.20	1.23	1.21	0.63	0.04	0.05	0.26	0.33
USGS 07380335 - Little Lake Near Cutoff	0.37	0.20	0.84	1.08	1.11	1.16	1.09	0.59	0.05	0.08	0.21	0.27
USGS073802516 Barataria Pass at Grand Isle	0.28	0.25	0.80	0.47	0.29	0.23	0.22	0.05	0.00	0.06	0.17	0.19
HWQ14 - Lake Washington	0.14	0.24	0.65	0.45	0.29	0.20	0.11	0.09	0.00	0.03	0.08	0.07
HWQ16 - Bayou Grand Liard	0.22	0.16	0.36	0.26	0.17	0.25	0.13	-0.05	0.02	0.02	0.07	0.10
CRMS 3985	0.05	0.14	0.49	0.87	0.62	0.48	0.15	0.10	-0.07	0.01	-0.07	-0.05
CRMS 0258	0.27	0.04	0.39	1.15	0.74	0.51	0.40	0.02	0.17	0.05	0.12	0.04
CRMS 0224	0.40	0.16	0.98	1.14	0.60	0.45	0.23	0.00	0.02	0.02	0.29	0.20
CRMS 0163	0.01	0.01	0.01	-0.04	-0.14	-0.07	-0.01	0.00	0.02	0.01	0.01	0.01
CRMS 0162	0.00	0.00	0.00	0.00	-0.02	-0.04	0.00	0.00	-0.01	-0.01	0.00	0.00

Figure WQ NO3 24 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.85	0.46	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.45
CRMS0276 - Just east of Wilkinson Canal	1.09	1.22	1.02	0.74	0.50	0.34	0.09	0.14	0.45	0.46	0.47	0.96
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	1.03	0.61	0.51	0.13	0.00	0.13	0.01	0.87	1.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.85	0.91	0.37	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.26	0.38
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.96	0.68	0.01	0.01	0.02	0.07	0.08	0.18	0.07	0.30	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.88	0.91	0.47	0.07	0.01	0.04	0.07	0.10	0.13	0.07	0.25	0.59
USGS 07380335 - Little Lake Near Cutoff	0.90	0.95	0.46	0.15	0.04	0.06	0.13	0.21	0.26	0.14	0.25	0.62
USGS073802516 Barataria Pass at Grand Isle	0.87	0.92	0.42	0.10	0.01	0.02	0.03	0.08	0.15	0.02	0.20	0.56
HWQ14 - Lake Washington	0.89	0.92	0.54	0.01	0.01	0.02	0.10	0.12	0.22	0.08	0.27	0.65
HWQ16 - Bayou Grand Liard	0.88	0.96	0.71	0.63	0.58	0.58	0.58	0.65	0.55	0.33	0.23	0.71
CRMS 3985	1.08	1.11	0.89	0.06	0.04	0.10	0.24	0.29	0.38	0.25	0.55	0.94
CRMS 0258	1.04	1.14	0.90	0.08	0.01	0.00	0.00	0.02	0.12	0.01	0.59	0.99
CRMS 0224	0.91	0.98	0.37	0.09	0.00	0.00	0.01	0.00	0.04	0.01	0.35	0.65
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.99	0.03	0.01	0.36	0.44	1.27	1.21
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.34	1.29	1.31	1.35	1.38	1.24

V3PR6 HYST - cy 0 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.20	1.20	1.15	1.21	1.31	0.96	0.93	1.17	1.38	1.21
CRMS0276 - Just east of Wilkinson Canal	1.29	1.28	1.11	0.64	0.56	0.65	0.47	0.09	0.45	0.48	0.52	1.14
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.32	0.89	0.53	0.42	0.09	0.00	0.13	0.02	0.86	1.15
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.46	1.21	1.20	1.16	1.22	1.33	0.11	0.17	0.27	1.18	1.21
USGS7380251 Barataria Bay North of Grand Isle	1.17	1.14	1.17	1.17	1.17	1.22	0.93	0.06	0.15	0.11	0.51	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.24	1.20	1.21	1.20	1.27	1.27	0.20	0.16	0.12	0.56	1.22
USGS 07380335 - Little Lake Near Cutoff	1.25	1.22	1.21	1.21	1.21	1.28	1.23	0.33	0.32	0.20	0.50	1.23
USGS073802516 Barataria Pass at Grand Isle	1.18	1.13	1.06	0.61	0.60	0.70	0.31	0.01	0.11	0.06	0.39	1.05
HWQ14 - Lake Washington	1.06	1.05	0.99	0.51	0.54	0.69	0.32	0.09	0.19	0.14	0.39	0.93
HWQ16 - Bayou Grand Liard	1.02	1.04	1.09	0.90	0.92	0.95	0.71	0.60	0.56	0.37	0.30	1.04
CRMS 3985	1.10	1.12	1.13	0.94	0.98	0.95	0.62	0.38	0.28	0.28	0.52	1.06
CRMS 0258	1.47	1.44	1.22	1.24	1.17	1.14	0.50	0.04	0.18	0.01	0.70	1.22
CRMS 0224	1.39	1.36	1.21	1.24	1.20	1.18	0.34	0.00	0.05	0.02	0.66	1.21
CRMS 0163	1.36	1.42	1.22	1.15	1.13	0.87	0.02	0.02	0.36	0.43	1.27	1.22
CRMS 0162	1.33	1.39	1.24	1.22	1.20	1.23	1.33	1.30	1.31	1.34	1.38	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.55	0.74	1.17	1.14	1.20	1.31	0.96	0.92	1.16	1.21	0.76
CRMS0276 - Just east of Wilkinson Canal	0.20	0.06	0.09	-0.10	0.06	0.31	0.38	-0.05	0.00	0.02	0.05	0.18
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	-0.01	-0.14	-0.08	-0.10	-0.04	0.00	0.00	0.00	-0.01	-0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.47	0.54	0.84	1.19	1.15	1.21	1.33	0.10	0.17	0.27	0.92	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.17	0.49	1.15	1.16	1.20	0.86	-0.01	-0.04	0.05	0.20	0.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.38	0.32	0.73	1.15	1.19	1.23	1.20	0.10	0.04	0.05	0.31	0.64
USGS 07380335 - Little Lake Near Cutoff	0.35	0.27	0.75	1.07	1.17	1.22	1.09	0.13	0.05	0.06	0.25	0.61
USGS073802516 Barataria Pass at Grand Isle	0.30	0.21	0.64	0.51	0.59	0.68	0.28	-0.07	-0.04	0.04	0.19	0.49
HWQ14 - Lake Washington	0.18	0.12	0.45	0.50	0.54	0.67	0.23	-0.03	-0.03	0.06	0.12	0.28
HWQ16 - Bayou Grand Liard	0.15	0.08	0.39	0.27	0.35	0.37	0.13	-0.05	0.01	0.04	0.06	0.33
CRMS 3985	0.02	0.01	0.24	0.87	0.93	0.86	0.38	0.10	-0.10	0.03	-0.03	0.12
CRMS 0258	0.43	0.31	0.31	1.16	1.16	1.13	0.50	0.02	0.06	0.01	0.11	0.22
CRMS 0224	0.48	0.38	0.84	1.15	1.20	1.18	0.33	0.00	0.01	0.02	0.31	0.56
CRMS 0163	0.01	0.00	0.01	-0.04	-0.02	-0.13	-0.02	0.00	0.00	0.00	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.01	0.01	-0.01	-0.01	-0.01	0.00

Figure WQ NO3 25 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.76	0.43	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.27
CRMS0276 - Just east of Wilkinson Canal	0.97	1.22	1.00	0.57	0.28	0.11	0.09	0.22	0.48	0.52	0.60	0.84
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.36	0.64	0.31	0.05	0.01	0.00	0.09	0.03	0.97	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.69	0.25	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.23	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.96	0.67	0.03	0.01	0.03	0.09	0.10	0.18	0.10	0.35	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.88	0.43	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.60
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.43	0.08	0.02	0.04	0.12	0.19	0.29	0.19	0.37	0.61
USGS073802516 Barataria Pass at Grand Isle	0.85	0.90	0.40	0.07	0.01	0.01	0.03	0.05	0.16	0.03	0.27	0.56
HWQ14 - Lake Washington	0.92	0.92	0.51	0.01	0.01	0.02	0.08	0.08	0.21	0.11	0.32	0.69
HWQ16 - Bayou Grand Liard	0.81	0.97	0.78	0.56	0.49	0.39	0.43	0.25	0.44	0.32	0.38	0.58
CRMS 3985	1.09	1.10	0.86	0.12	0.05	0.12	0.31	0.37	0.41	0.33	0.59	1.02
CRMS 0258	0.80	0.87	0.73	0.07	0.01	0.00	0.01	0.00	0.03	0.04	0.54	0.61
CRMS 0224	0.75	0.80	0.25	0.06	0.00	0.00	0.01	0.00	0.07	0.04	0.35	0.52
CRMS 0163	1.31	1.37	1.26	1.14	1.09	0.25	0.01	0.01	0.28	0.54	1.26	1.31
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.25	1.33	1.21	1.17	1.34	1.36	1.40

V3PR7 HYST - cy 0 - 1970 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.33	1.28	1.25	1.21	1.33	1.12	0.98	0.94	1.09	1.30	1.37
CRMS0276 - Just east of Wilkinson Canal	1.14	1.23	0.90	0.49	0.36	0.12	0.05	0.15	0.50	0.53	0.65	0.90
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.30	0.53	0.20	0.04	0.01	0.00	0.09	0.03	0.96	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.27	1.33	1.28	1.26	1.22	1.35	0.21	0.01	0.14	0.19	1.04	1.30
USGS7380251 Barataria Bay North of Grand Isle	1.14	1.14	1.21	1.09	1.17	0.58	0.07	0.06	0.17	0.11	0.44	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.25	1.28	1.21	1.24	1.16	0.21	0.09	0.16	0.11	0.52	0.86
USGS 07380335 - Little Lake Near Cutoff	1.17	1.23	1.29	1.12	1.21	1.02	0.29	0.17	0.32	0.21	0.52	0.79
USGS073802516 Barataria Pass at Grand Isle	1.07	1.11	1.01	0.37	0.40	0.10	0.02	0.06	0.17	0.05	0.38	0.68
HWQ14 - Lake Washington	0.99	1.01	0.85	0.24	0.33	0.09	0.07	0.11	0.21	0.15	0.36	0.70
HWQ16 - Bayou Grand Liard	0.94	1.07	1.03	0.62	0.76	0.49	0.42	0.34	0.45	0.37	0.44	0.64
CRMS 3985	1.05	1.05	0.97	0.61	0.86	0.29	0.28	0.33	0.31	0.29	0.52	0.93
CRMS 0258	1.18	1.22	1.27	1.10	0.95	0.03	0.01	0.00	0.03	0.01	0.60	0.63
CRMS 0224	1.20	1.24	1.25	0.89	0.91	0.07	0.01	0.00	0.08	0.07	0.58	0.70
CRMS 0163	1.31	1.37	1.26	1.06	0.95	0.19	0.01	0.01	0.27	0.53	1.26	1.30
CRMS 0162	1.28	1.33	1.27	1.26	1.21	1.22	1.32	1.21	1.16	1.34	1.36	1.40

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.47	0.57	0.86	1.22	1.20	1.33	1.12	0.97	0.93	1.09	1.09	1.09
CRMS0276 - Just east of Wilkinson Canal	0.17	0.01	-0.10	-0.08	0.08	0.01	-0.04	-0.07	0.02	0.01	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.05	-0.12	-0.11	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.54	0.63	1.03	1.24	1.21	1.35	0.21	0.00	0.13	0.19	0.81	1.03
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.54	1.06	1.16	0.55	-0.02	-0.04	0.00	0.01	0.10	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.37	0.85	1.18	1.23	1.13	0.16	0.01	0.01	0.03	0.19	0.27
USGS 07380335 - Little Lake Near Cutoff	0.33	0.32	0.86	1.05	1.19	0.98	0.17	-0.01	0.03	0.03	0.15	0.18
USGS073802516 Barataria Pass at Grand Isle	0.22	0.21	0.61	0.29	0.39	0.09	0.00	0.01	0.01	0.02	0.11	0.12
HWQ14 - Lake Washington	0.07	0.09	0.34	0.23	0.33	0.07	-0.01	0.02	0.00	0.04	0.03	0.01
HWQ16 - Bayou Grand Liard	0.13	0.10	0.25	0.06	0.27	0.10	-0.01	0.09	0.01	0.04	0.06	0.06
CRMS 3985	-0.04	-0.05	0.11	0.49	0.81	0.16	-0.03	-0.04	-0.10	-0.04	-0.07	-0.09
CRMS 0258	0.38	0.35	0.53	1.04	0.94	0.03	0.00	0.00	0.00	-0.03	0.06	0.02
CRMS 0224	0.45	0.43	1.00	0.84	0.90	0.07	0.00	0.00	0.00	0.03	0.23	0.18
CRMS 0163	0.00	0.00	0.00	-0.08	-0.14	-0.07	0.00	0.00	-0.01	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.04	-0.03	0.00	0.00	-0.01	0.00	0.00	0.00

Figure WQ NO3 26 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.87	0.40	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.42
CRMS0276 - Just east of Wilkinson Canal	1.06	1.29	1.17	0.78	0.46	0.15	0.09	0.18	0.48	0.42	0.45	0.95
Barataria Waterway at Lafitte (USACE82875)	1.47	1.39	1.34	1.12	0.58	0.05	0.02	0.00	0.11	0.03	0.92	1.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.88	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.34
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.95	0.59	0.01	0.01	0.02	0.08	0.10	0.19	0.07	0.31	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.92	0.41	0.06	0.01	0.04	0.07	0.11	0.13	0.06	0.24	0.56
USGS 07380335 - Little Lake Near Cutoff	0.87	0.97	0.45	0.15	0.04	0.04	0.10	0.23	0.28	0.13	0.23	0.59
USGS073802516 Barataria Pass at Grand Isle	0.86	0.93	0.39	0.09	0.01	0.01	0.02	0.08	0.16	0.02	0.19	0.54
HWQ14 - Lake Washington	0.90	0.91	0.43	0.01	0.01	0.02	0.10	0.17	0.22	0.07	0.29	0.65
HWQ16 - Bayou Grand Liard	0.85	1.05	0.88	0.64	0.57	0.40	0.48	0.44	0.50	0.20	0.23	0.63
CRMS 3985	1.08	1.05	0.74	0.04	0.05	0.10	0.25	0.31	0.40	0.27	0.57	0.97
CRMS 0258	1.00	1.14	0.84	0.06	0.01	0.02	0.05	0.00	0.02	0.01	0.50	0.88
CRMS 0224	0.86	0.98	0.29	0.09	0.00	0.00	0.01	0.00	0.06	0.01	0.30	0.59
CRMS 0163	1.32	1.21	1.15	1.18	1.16	0.26	0.01	0.01	0.29	0.44	1.26	1.28
CRMS 0162	1.31	1.21	1.17	1.21	1.22	1.27	1.35	1.22	1.23	1.30	1.37	1.32

V3PR7 HYST - cy 0 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.19	1.16	1.17	1.17	1.12	1.02	0.95	0.94	1.16	1.35	1.29
CRMS0276 - Just east of Wilkinson Canal	1.22	1.31	1.24	0.74	0.60	0.08	0.06	0.15	0.47	0.45	0.49	0.98
Barataria Waterway at Lafitte (USACE82875)	1.48	1.40	1.34	0.97	0.52	0.03	0.02	0.00	0.11	0.03	0.91	1.05
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.19	1.16	1.18	1.18	0.47	0.01	0.01	0.16	0.19	1.11	1.26
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.20	1.17	1.18	1.20	0.25	0.08	0.08	0.17	0.12	0.47	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.21	1.18	1.20	1.23	0.40	0.09	0.12	0.18	0.12	0.51	1.06
USGS 07380335 - Little Lake Near Cutoff	1.23	1.23	1.20	1.21	1.23	0.41	0.10	0.21	0.35	0.20	0.46	1.01
USGS073802516 Barataria Pass at Grand Isle	1.12	1.20	1.17	0.68	0.62	0.09	0.02	0.06	0.17	0.05	0.35	0.82
HWQ14 - Lake Washington	1.00	1.12	1.12	0.58	0.57	0.12	0.07	0.13	0.21	0.16	0.37	0.77
HWQ16 - Bayou Grand Liard	1.02	1.24	1.22	0.97	0.95	0.50	0.43	0.51	0.51	0.26	0.29	0.76
CRMS 3985	1.07	1.17	1.18	1.03	1.03	0.31	0.26	0.32	0.29	0.28	0.53	0.95
CRMS 0258	1.27	1.23	1.21	1.25	1.15	0.01	0.02	0.00	0.03	0.01	0.56	1.02
CRMS 0224	1.28	1.22	1.19	1.24	1.22	0.04	0.01	0.00	0.07	0.05	0.60	0.97
CRMS 0163	1.32	1.22	1.15	1.17	1.14	0.21	0.01	0.01	0.30	0.43	1.26	1.28
CRMS 0162	1.31	1.21	1.18	1.21	1.23	1.26	1.35	1.24	1.24	1.30	1.38	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.42	0.32	0.75	1.15	1.16	1.12	1.02	0.94	0.93	1.16	1.19	0.87
CRMS0276 - Just east of Wilkinson Canal	0.16	0.01	0.07	-0.04	0.14	-0.07	-0.03	-0.03	-0.01	0.03	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.15	-0.06	-0.02	0.00	0.00	0.00	0.00	-0.01	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.47	0.31	0.86	1.17	1.18	0.46	0.00	0.01	0.15	0.19	0.90	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.25	0.59	1.17	1.19	0.23	-0.01	-0.02	-0.01	0.05	0.15	0.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.29	0.77	1.14	1.21	0.37	0.02	0.01	0.05	0.06	0.27	0.50
USGS 07380335 - Little Lake Near Cutoff	0.36	0.26	0.76	1.06	1.20	0.37	0.00	-0.02	0.07	0.07	0.23	0.42
USGS073802516 Barataria Pass at Grand Isle	0.26	0.26	0.78	0.59	0.61	0.08	-0.01	-0.02	0.01	0.03	0.16	0.28
HWQ14 - Lake Washington	0.09	0.21	0.69	0.58	0.57	0.10	-0.02	-0.04	-0.01	0.08	0.08	0.11
HWQ16 - Bayou Grand Liard	0.17	0.19	0.34	0.33	0.38	0.10	-0.05	0.07	0.01	0.06	0.05	0.14
CRMS 3985	-0.01	0.12	0.44	0.99	0.98	0.21	0.02	0.01	-0.11	0.02	-0.04	-0.02
CRMS 0258	0.27	0.09	0.36	1.19	1.14	-0.01	-0.03	0.00	0.01	0.00	0.06	0.14
CRMS 0224	0.42	0.24	0.90	1.15	1.22	0.03	0.00	0.00	0.01	0.04	0.30	0.38
CRMS 0163	0.00	0.01	0.01	-0.01	-0.02	-0.05	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.01	-0.01	0.01	0.00

Figure WQ NO3 27 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.77	0.28	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.24	0.46
CRMS0276 - Just east of Wilkinson Canal	0.95	1.23	0.92	0.55	0.14	0.11	0.12	0.20	0.50	0.48	0.58	0.96
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.42	0.05	0.02	0.01	0.00	0.08	0.03	0.97	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.67	0.20	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.21	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.98	0.96	0.65	0.04	0.01	0.03	0.07	0.09	0.21	0.12	0.39	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.88	0.42	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.62
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.41	0.08	0.01	0.03	0.10	0.16	0.25	0.18	0.35	0.64
USGS073802516 Barataria Pass at Grand Isle	0.86	0.90	0.39	0.06	0.01	0.01	0.02	0.04	0.15	0.04	0.27	0.59
HWQ14 - Lake Washington	0.93	0.93	0.53	0.01	0.01	0.02	0.06	0.10	0.24	0.11	0.34	0.71
HWQ16 - Bayou Grand Liard	0.79	0.98	0.72	0.50	0.38	0.31	0.27	0.13	0.31	0.23	0.37	0.67
CRMS 3985	1.13	1.09	0.90	0.16	0.14	0.13	0.27	0.36	0.45	0.37	0.63	1.02
CRMS 0258	0.69	0.84	0.38	0.05	0.03	0.00	0.01	0.00	0.03	0.05	0.57	0.76
CRMS 0224	0.75	0.78	0.19	0.06	0.00	0.00	0.01	0.01	0.08	0.04	0.32	0.53
CRMS 0163	1.37	1.30	1.30	0.97	0.43	0.03	0.01	0.00	0.23	0.48	1.26	1.30
CRMS 0162	1.39	1.30	1.34	1.29	1.23	1.20	1.31	1.10	1.03	1.34	1.35	1.35

V3PR7 HYST - cy 0 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.29	1.33	1.27	1.27	1.05	1.08	0.96	0.95	1.11	1.27	1.30
CRMS0276 - Just east of Wilkinson Canal	0.97	1.24	0.74	0.46	0.12	0.08	0.09	0.17	0.52	0.49	0.62	0.95
Barataria Waterway at Lafitte (USACE82875)	1.49	1.45	1.21	0.37	0.03	0.02	0.01	0.00	0.08	0.03	0.96	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.30	1.33	0.94	1.13	0.00	0.00	0.01	0.13	0.17	1.01	1.24
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.18	0.98	0.40	0.42	0.02	0.06	0.06	0.14	0.08	0.44	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.99	1.26	0.95	0.48	0.85	0.04	0.06	0.09	0.14	0.08	0.46	0.84
USGS 07380335 - Little Lake Near Cutoff	0.93	1.25	0.78	0.44	0.66	0.02	0.07	0.17	0.27	0.17	0.46	0.78
USGS073802516 Barataria Pass at Grand Isle	0.90	1.13	0.47	0.21	0.05	0.01	0.02	0.05	0.15	0.03	0.32	0.66
HWQ14 - Lake Washington	0.91	1.04	0.52	0.13	0.03	0.02	0.07	0.11	0.20	0.10	0.32	0.68
HWQ16 - Bayou Grand Liard	0.80	1.08	0.70	0.57	0.31	0.30	0.29	0.17	0.35	0.28	0.41	0.70
CRMS 3985	1.08	1.08	0.75	0.24	0.14	0.11	0.24	0.29	0.33	0.25	0.52	0.91
CRMS 0258	0.99	1.19	0.80	0.25	0.21	0.00	0.00	0.00	0.02	0.01	0.58	0.82
CRMS 0224	1.01	1.21	0.65	0.33	0.04	0.00	0.00	0.00	0.06	0.05	0.51	0.66
CRMS 0163	1.37	1.30	1.29	0.96	0.40	0.05	0.01	0.00	0.22	0.48	1.26	1.29
CRMS 0162	1.38	1.30	1.34	1.28	1.21	1.20	1.31	1.10	1.03	1.35	1.35	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.52	1.05	1.26	1.25	1.04	1.08	0.96	0.94	1.11	1.03	0.84
CRMS0276 - Just east of Wilkinson Canal	0.03	0.01	-0.18	-0.09	-0.02	-0.03	-0.04	-0.03	0.02	0.01	0.04	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.03	-0.05	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.62	0.63	1.13	0.93	1.13	0.00	0.00	0.00	0.11	0.17	0.79	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.22	0.32	0.36	0.41	-0.01	-0.01	-0.03	-0.07	-0.04	0.05	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.38	0.52	0.44	0.84	0.01	0.01	0.01	0.00	0.00	0.14	0.22
USGS 07380335 - Little Lake Near Cutoff	0.09	0.34	0.37	0.36	0.65	0.00	-0.02	0.01	0.02	-0.01	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.04	0.22	0.08	0.15	0.04	0.00	0.00	0.01	0.00	-0.01	0.05	0.08
HWQ14 - Lake Washington	-0.02	0.11	-0.01	0.12	0.03	0.00	0.00	0.01	-0.03	-0.01	-0.02	-0.03
HWQ16 - Bayou Grand Liard	0.01	0.10	-0.02	0.07	-0.07	-0.02	0.02	0.04	0.05	0.05	0.04	0.03
CRMS 3985	-0.05	-0.01	-0.15	0.08	0.00	-0.02	-0.03	-0.07	-0.12	-0.12	-0.10	-0.10
CRMS 0258	0.30	0.35	0.43	0.20	0.18	0.00	0.00	0.00	0.00	-0.04	0.01	0.07
CRMS 0224	0.26	0.43	0.45	0.27	0.03	0.00	0.00	0.00	-0.02	0.02	0.19	0.12
CRMS 0163	0.00	0.00	0.00	-0.01	-0.02	0.01	0.00	0.00	-0.01	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ NO3 28 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.90	0.44	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.37
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.08	0.68	0.20	0.16	0.08	0.12	0.44	0.53	0.51	0.67
Barataria Waterway at Lafitte (USACE82875)	1.43	1.35	1.41	0.94	0.22	0.12	0.10	0.01	0.15	0.02	0.87	1.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.93	0.33	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.28	0.35
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.94	0.58	0.01	0.01	0.04	0.10	0.05	0.16	0.08	0.34	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.94	0.41	0.06	0.01	0.03	0.06	0.08	0.12	0.07	0.30	0.57
USGS 07380335 - Little Lake Near Cutoff	0.85	1.00	0.45	0.13	0.02	0.04	0.12	0.19	0.27	0.15	0.33	0.53
USGS073802516 Barataria Pass at Grand Isle	0.85	0.95	0.39	0.10	0.01	0.01	0.03	0.06	0.12	0.02	0.24	0.52
HWQ14 - Lake Washington	0.90	0.90	0.42	0.01	0.01	0.03	0.10	0.07	0.21	0.08	0.31	0.66
HWQ16 - Bayou Grand Liard	0.87	1.09	0.87	0.62	0.46	0.43	0.51	0.67	0.56	0.43	0.28	0.45
CRMS 3985	1.07	1.03	0.70	0.04	0.05	0.13	0.34	0.31	0.38	0.25	0.58	0.98
CRMS 0258	0.95	1.16	0.91	0.05	0.01	0.00	0.00	0.00	0.09	0.01	0.62	0.87
CRMS 0224	0.83	1.02	0.32	0.07	0.00	0.00	0.01	0.00	0.03	0.01	0.38	0.60
CRMS 0163	1.26	1.17	1.23	1.19	0.95	0.47	0.02	0.03	0.39	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.25	1.33	1.31	1.32	1.35	1.37	1.39

V3PR7 HYST - cy 0 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.24	1.28	1.32	1.10	0.94	1.14	1.40	1.35
CRMS0276 - Just east of Wilkinson Canal	1.22	1.33	1.19	0.66	0.23	0.27	0.40	0.17	0.45	0.54	0.56	0.70
Barataria Waterway at Lafitte (USACE82875)	1.44	1.37	1.40	0.78	0.15	0.08	0.07	0.00	0.15	0.02	0.88	1.03
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.16	1.23	1.22	1.25	1.30	1.34	0.75	0.12	0.20	1.13	1.30
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.17	1.24	1.17	1.09	1.04	0.89	0.26	0.15	0.10	0.50	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.17	1.26	1.21	1.21	1.27	1.27	0.72	0.16	0.12	0.57	0.90
USGS 07380335 - Little Lake Near Cutoff	1.22	1.20	1.29	1.21	1.13	1.21	1.21	0.77	0.31	0.23	0.54	0.80
USGS073802516 Barataria Pass at Grand Isle	1.13	1.20	1.19	0.58	0.31	0.24	0.25	0.11	0.11	0.09	0.42	0.71
HWQ14 - Lake Washington	1.04	1.15	1.08	0.47	0.30	0.23	0.22	0.16	0.20	0.12	0.40	0.73
HWQ16 - Bayou Grand Liard	1.08	1.25	1.22	0.88	0.63	0.68	0.63	0.62	0.58	0.46	0.35	0.55
CRMS 3985	1.12	1.18	1.20	0.94	0.68	0.63	0.52	0.42	0.31	0.27	0.52	0.94
CRMS 0258	1.22	1.21	1.30	1.20	0.72	0.44	0.34	0.03	0.27	0.07	0.75	0.91
CRMS 0224	1.23	1.18	1.30	1.20	0.59	0.41	0.21	0.00	0.05	0.03	0.67	0.79
CRMS 0163	1.27	1.18	1.23	1.14	0.82	0.38	0.01	0.02	0.41	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.23	1.22	1.33	1.31	1.32	1.35	1.37	1.39

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.26	0.79	1.19	1.23	1.27	1.32	1.09	0.93	1.14	1.21	0.98
CRMS0276 - Just east of Wilkinson Canal	0.18	0.02	0.12	-0.02	0.04	0.11	0.32	0.04	0.01	0.01	0.05	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.01	-0.16	-0.08	-0.05	-0.04	0.00	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.22	0.89	1.21	1.24	1.29	1.33	0.74	0.12	0.19	0.85	0.95
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.23	0.66	1.16	1.08	1.00	0.80	0.21	-0.01	0.02	0.16	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.24	0.84	1.15	1.20	1.24	1.21	0.63	0.03	0.06	0.27	0.34
USGS 07380335 - Little Lake Near Cutoff	0.37	0.20	0.84	1.07	1.11	1.16	1.09	0.59	0.05	0.08	0.22	0.27
USGS073802516 Barataria Pass at Grand Isle	0.28	0.25	0.80	0.48	0.30	0.23	0.22	0.05	0.00	0.06	0.18	0.20
HWQ14 - Lake Washington	0.14	0.24	0.66	0.46	0.29	0.20	0.12	0.08	-0.01	0.03	0.08	0.07
HWQ16 - Bayou Grand Liard	0.21	0.16	0.36	0.26	0.17	0.25	0.13	-0.04	0.02	0.02	0.07	0.10
CRMS 3985	0.05	0.15	0.50	0.89	0.63	0.50	0.18	0.11	-0.07	0.02	-0.06	-0.05
CRMS 0258	0.27	0.04	0.39	1.15	0.70	0.43	0.34	0.02	0.18	0.05	0.12	0.04
CRMS 0224	0.40	0.16	0.98	1.13	0.59	0.40	0.21	0.00	0.02	0.02	0.29	0.19
CRMS 0163	0.01	0.01	0.01	-0.05	-0.13	-0.09	-0.01	0.00	0.02	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.02	-0.03	0.00	0.00	0.00	0.00	-0.01	0.00

Figure WQ NO3 29 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.85	0.46	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.45
CRMS0276 - Just east of Wilkinson Canal	1.09	1.22	1.02	0.74	0.50	0.34	0.09	0.14	0.45	0.46	0.47	0.96
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	1.03	0.61	0.51	0.13	0.00	0.13	0.01	0.87	1.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.85	0.91	0.37	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.26	0.38
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.96	0.68	0.01	0.01	0.02	0.07	0.08	0.18	0.07	0.30	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.88	0.91	0.47	0.07	0.01	0.04	0.07	0.10	0.13	0.07	0.25	0.59
USGS 07380335 - Little Lake Near Cutoff	0.90	0.95	0.46	0.15	0.04	0.06	0.13	0.21	0.26	0.14	0.25	0.62
USGS073802516 Barataria Pass at Grand Isle	0.87	0.92	0.42	0.10	0.01	0.02	0.03	0.08	0.15	0.02	0.20	0.56
HWQ14 - Lake Washington	0.89	0.92	0.54	0.01	0.01	0.02	0.10	0.12	0.22	0.08	0.27	0.65
HWQ16 - Bayou Grand Liard	0.88	0.96	0.71	0.63	0.58	0.58	0.58	0.65	0.55	0.33	0.23	0.71
CRMS 3985	1.08	1.11	0.89	0.06	0.04	0.10	0.24	0.29	0.38	0.25	0.55	0.94
CRMS 0258	1.04	1.14	0.90	0.08	0.01	0.00	0.00	0.02	0.12	0.01	0.59	0.99
CRMS 0224	0.91	0.98	0.37	0.09	0.00	0.00	0.01	0.00	0.04	0.01	0.35	0.65
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.99	0.03	0.01	0.36	0.44	1.27	1.21
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.34	1.29	1.31	1.35	1.38	1.24

V3PR7 HYST - cy 0 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.20	1.20	1.15	1.21	1.31	0.97	0.95	1.17	1.38	1.21
CRMS0276 - Just east of Wilkinson Canal	1.27	1.28	1.11	0.63	0.56	0.66	0.46	0.09	0.45	0.49	0.52	1.14
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.32	0.89	0.54	0.42	0.09	0.00	0.13	0.01	0.86	1.15
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.46	1.21	1.20	1.17	1.22	1.34	0.10	0.14	0.20	1.14	1.21
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.14	1.18	1.17	1.18	1.22	0.96	0.06	0.15	0.12	0.51	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.24	1.20	1.21	1.21	1.27	1.27	0.20	0.17	0.12	0.56	1.22
USGS 07380335 - Little Lake Near Cutoff	1.25	1.22	1.21	1.21	1.22	1.28	1.23	0.34	0.32	0.21	0.50	1.23
USGS073802516 Barataria Pass at Grand Isle	1.18	1.13	1.06	0.61	0.62	0.72	0.31	0.01	0.11	0.06	0.39	1.05
HWQ14 - Lake Washington	1.07	1.05	1.00	0.52	0.56	0.71	0.34	0.09	0.19	0.15	0.39	0.94
HWQ16 - Bayou Grand Liard	0.99	1.04	1.09	0.90	0.92	0.96	0.71	0.60	0.56	0.37	0.29	1.03
CRMS 3985	1.10	1.12	1.13	0.95	0.99	0.97	0.65	0.39	0.29	0.29	0.52	1.07
CRMS 0258	1.47	1.43	1.22	1.23	1.15	1.10	0.42	0.04	0.20	0.02	0.71	1.22
CRMS 0224	1.39	1.35	1.21	1.23	1.20	1.18	0.31	0.00	0.05	0.03	0.65	1.21
CRMS 0163	1.35	1.41	1.22	1.15	1.13	0.86	0.02	0.01	0.38	0.43	1.27	1.22
CRMS 0162	1.32	1.39	1.24	1.22	1.21	1.23	1.33	1.30	1.32	1.34	1.38	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.52	0.55	0.74	1.17	1.15	1.20	1.31	0.96	0.94	1.17	1.20	0.76
CRMS0276 - Just east of Wilkinson Canal	0.18	0.06	0.09	-0.11	0.06	0.32	0.38	-0.05	0.01	0.03	0.05	0.18
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.13	-0.07	-0.09	-0.04	0.00	0.00	0.00	-0.01	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.47	0.55	0.84	1.19	1.16	1.22	1.33	0.09	0.14	0.19	0.88	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.18	0.49	1.16	1.17	1.20	0.89	-0.01	-0.03	0.05	0.21	0.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.38	0.32	0.73	1.15	1.19	1.23	1.20	0.10	0.04	0.06	0.31	0.64
USGS 07380335 - Little Lake Near Cutoff	0.35	0.27	0.75	1.06	1.18	1.22	1.09	0.13	0.06	0.06	0.25	0.60
USGS073802516 Barataria Pass at Grand Isle	0.30	0.21	0.65	0.51	0.61	0.70	0.28	-0.07	-0.04	0.04	0.19	0.49
HWQ14 - Lake Washington	0.18	0.13	0.46	0.51	0.55	0.69	0.24	-0.03	-0.03	0.07	0.12	0.29
HWQ16 - Bayou Grand Liard	0.11	0.08	0.39	0.27	0.35	0.38	0.12	-0.05	0.01	0.04	0.06	0.32
CRMS 3985	0.03	0.02	0.24	0.89	0.95	0.87	0.41	0.11	-0.09	0.04	-0.03	0.13
CRMS 0258	0.43	0.30	0.31	1.16	1.14	1.10	0.42	0.02	0.08	0.01	0.11	0.22
CRMS 0224	0.48	0.37	0.84	1.15	1.20	1.18	0.30	0.00	0.02	0.02	0.31	0.56
CRMS 0163	0.00	0.00	0.00	-0.03	-0.02	-0.13	-0.02	0.00	0.02	-0.01	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.01	0.01	0.00	0.00	0.00	0.00

Figure WQ NO3 30 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.76	0.43	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.27
CRMS0276 - Just east of Wilkinson Canal	0.97	1.22	1.00	0.57	0.28	0.11	0.09	0.22	0.48	0.52	0.60	0.84
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.36	0.64	0.31	0.05	0.01	0.00	0.09	0.03	0.97	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.69	0.25	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.23	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.96	0.67	0.03	0.01	0.03	0.09	0.10	0.18	0.10	0.35	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.88	0.43	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.60
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.43	0.08	0.02	0.04	0.12	0.19	0.29	0.19	0.37	0.61
USGS073802516 Barataria Pass at Grand Isle	0.85	0.90	0.40	0.07	0.01	0.01	0.03	0.05	0.16	0.03	0.27	0.56
HWQ14 - Lake Washington	0.92	0.92	0.51	0.01	0.01	0.02	0.08	0.08	0.21	0.11	0.32	0.69
HWQ16 - Bayou Grand Liard	0.81	0.97	0.78	0.56	0.49	0.39	0.43	0.25	0.44	0.32	0.38	0.58
CRMS 3985	1.09	1.10	0.86	0.12	0.05	0.12	0.31	0.37	0.41	0.33	0.59	1.02
CRMS 0258	0.80	0.87	0.73	0.07	0.01	0.00	0.01	0.00	0.03	0.04	0.54	0.61
CRMS 0224	0.75	0.80	0.25	0.06	0.00	0.00	0.01	0.00	0.07	0.04	0.35	0.52
CRMS 0163	1.31	1.37	1.26	1.14	1.09	0.25	0.01	0.01	0.28	0.54	1.26	1.31
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.25	1.33	1.21	1.17	1.34	1.36	1.40

V3PR8 HYST - cy 0 - 1970 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04
CRMS0276 - Just east of Wilkinson Canal	0.63	0.97	0.35	0.24	0.16	0.03	0.00	0.10	0.53	0.40	0.36	0.55
Barataria Waterway at Lafitte (USACE82875)	1.37	1.39	0.70	0.04	0.01	0.04	0.03	0.01	0.09	0.06	0.77	1.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.10	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.06	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.60	0.16	0.01	0.01	0.00	0.01	0.01	0.11	0.10	0.33	0.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.31	0.04	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.15	0.32
USGS 07380335 - Little Lake Near Cutoff	0.39	0.40	0.05	0.01	0.00	0.00	0.00	0.01	0.04	0.03	0.15	0.32
USGS073802516 Barataria Pass at Grand Isle	0.58	0.59	0.16	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.13	0.34
HWQ14 - Lake Washington	0.75	0.78	0.40	0.00	0.00	0.00	0.01	0.01	0.08	0.04	0.29	0.64
HWQ16 - Bayou Grand Liard	0.71	0.75	0.27	0.08	0.02	0.05	0.23	0.12	0.31	0.16	0.24	0.45
CRMS 3985	0.91	1.05	0.52	0.01	0.01	0.01	0.07	0.14	0.35	0.39	0.68	0.98
CRMS 0258	0.42	0.51	0.16	0.08	0.04	0.01	0.00	0.00	0.00	0.00	0.24	0.13
CRMS 0224	0.28	0.29	0.03	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.10	0.08
CRMS 0163	1.37	1.41	1.32	1.14	1.03	0.14	0.01	0.01	0.21	0.48	1.22	1.26
CRMS 0162	1.40	1.43	1.47	1.49	1.48	1.45	1.37	1.23	1.18	1.35	1.38	1.42

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.72	-0.72	-0.42	-0.02	-0.01	0.00	0.00	0.00	-0.01	0.00	-0.18	-0.24
CRMS0276 - Just east of Wilkinson Canal	-0.34	-0.25	-0.65	-0.32	-0.12	-0.09	-0.08	-0.12	0.06	-0.12	-0.25	-0.29
Barataria Waterway at Lafitte (USACE82875)	-0.07	-0.14	-0.65	-0.61	-0.30	-0.01	0.02	0.00	0.00	0.03	-0.19	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.56	-0.60	-0.24	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	-0.17	-0.21
USGS7380251 Barataria Bay North of Grand Isle	-0.47	-0.36	-0.51	-0.02	-0.01	-0.03	-0.08	-0.09	-0.07	0.00	-0.02	-0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.56	-0.58	-0.39	-0.02	0.00	-0.03	-0.05	-0.08	-0.14	-0.08	-0.17	-0.28
USGS 07380335 - Little Lake Near Cutoff	-0.44	-0.51	-0.37	-0.07	-0.01	-0.03	-0.11	-0.18	-0.25	-0.16	-0.22	-0.29
USGS073802516 Barataria Pass at Grand Isle	-0.27	-0.31	-0.24	-0.07	0.00	-0.01	-0.02	-0.04	-0.15	-0.03	-0.14	-0.22
HWQ14 - Lake Washington	-0.17	-0.14	-0.11	0.00	0.00	-0.02	-0.07	-0.08	-0.14	-0.07	-0.03	-0.05
HWQ16 - Bayou Grand Liard	-0.10	-0.22	-0.51	-0.48	-0.47	-0.34	-0.21	-0.13	-0.13	-0.16	-0.15	-0.13
CRMS 3985	-0.18	-0.05	-0.34	-0.11	-0.05	-0.12	-0.24	-0.24	-0.06	0.06	0.09	-0.04
CRMS 0258	-0.37	-0.36	-0.57	0.02	0.03	0.00	0.00	0.00	-0.03	-0.03	-0.30	-0.49
CRMS 0224	-0.47	-0.51	-0.22	-0.05	0.00	0.00	0.00	0.00	-0.07	-0.03	-0.25	-0.45
CRMS 0163	0.06	0.04	0.06	0.00	-0.06	-0.11	0.00	0.00	-0.06	-0.06	-0.04	-0.05
CRMS 0162	0.12	0.10	0.19	0.23	0.24	0.20	0.04	0.02	0.01	0.01	0.02	0.01

Figure WQ NO3 31 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.87	0.40	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.42
CRMS0276 - Just east of Wilkinson Canal	1.06	1.29	1.17	0.78	0.46	0.15	0.09	0.18	0.48	0.42	0.45	0.95
Barataria Waterway at Lafitte (USACE82875)	1.47	1.39	1.34	1.12	0.58	0.05	0.02	0.00	0.11	0.03	0.92	1.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.88	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.34
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.95	0.59	0.01	0.01	0.02	0.08	0.10	0.19	0.07	0.31	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.92	0.41	0.06	0.01	0.04	0.07	0.11	0.13	0.06	0.24	0.56
USGS 07380335 - Little Lake Near Cutoff	0.87	0.97	0.45	0.15	0.04	0.04	0.10	0.23	0.28	0.13	0.23	0.59
USGS073802516 Barataria Pass at Grand Isle	0.86	0.93	0.39	0.09	0.01	0.01	0.02	0.08	0.16	0.02	0.19	0.54
HWQ14 - Lake Washington	0.90	0.91	0.43	0.01	0.01	0.02	0.10	0.17	0.22	0.07	0.29	0.65
HWQ16 - Bayou Grand Liard	0.85	1.05	0.88	0.64	0.57	0.40	0.48	0.44	0.50	0.20	0.23	0.63
CRMS 3985	1.08	1.05	0.74	0.04	0.05	0.10	0.25	0.31	0.40	0.27	0.57	0.97
CRMS 0258	1.00	1.14	0.84	0.06	0.01	0.02	0.05	0.00	0.02	0.01	0.50	0.88
CRMS 0224	0.86	0.98	0.29	0.09	0.00	0.00	0.01	0.00	0.06	0.01	0.30	0.59
CRMS 0163	1.32	1.21	1.15	1.18	1.16	0.26	0.01	0.01	0.29	0.44	1.26	1.28
CRMS 0162	1.31	1.21	1.17	1.21	1.22	1.27	1.35	1.22	1.23	1.30	1.37	1.32

V3PR8 HYST - cy 0 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01
CRMS0276 - Just east of Wilkinson Canal	1.05	0.59	0.17	0.22	0.20	0.05	0.01	0.11	0.69	0.29	0.30	0.45
Barataria Waterway at Lafitte (USACE82875)	1.42	1.50	0.51	0.23	0.01	0.05	0.05	0.01	0.10	0.15	1.01	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.35	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.07	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.72	0.08	0.03	0.01	0.01	0.00	0.02	0.02	0.10	0.10	0.35	0.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.63	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.72	0.05	0.02	0.01	0.01	0.00	0.01	0.01	0.07	0.01	0.09	0.19
USGS073802516 Barataria Pass at Grand Isle	0.83	0.27	0.09	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.11	0.33
HWQ14 - Lake Washington	0.91	0.43	0.18	0.00	0.00	0.00	0.01	0.01	0.08	0.05	0.29	0.60
HWQ16 - Bayou Grand Liard	0.89	0.35	0.10	0.04	0.02	0.15	0.34	0.35	0.37	0.07	0.14	0.38
CRMS 3985	0.99	0.36	0.16	0.00	0.00	0.02	0.09	0.18	0.33	0.39	0.70	0.79
CRMS 0258	0.76	0.11	0.08	0.07	0.04	0.00	0.00	0.00	0.00	0.01	0.28	0.11
CRMS 0224	0.72	0.04	0.02	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.09	0.06
CRMS 0163	1.36	1.42	1.33	1.33	1.26	0.15	0.01	0.01	0.25	0.39	1.26	1.35
CRMS 0162	1.41	1.47	1.43	1.47	1.47	1.34	1.38	1.26	1.26	1.32	1.39	1.44

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.70	-0.87	-0.40	-0.02	-0.01	0.00	0.00	0.00	-0.01	0.00	-0.14	-0.41
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.71	-1.00	-0.57	-0.26	-0.11	-0.08	-0.08	0.21	-0.13	-0.15	-0.50
Barataria Waterway at Lafitte (USACE82875)	-0.05	0.11	-0.83	-0.90	-0.57	0.00	0.03	0.01	-0.01	0.12	0.09	0.32
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.46	-0.88	-0.29	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	-0.14	-0.32
USGS7380251 Barataria Bay North of Grand Isle	-0.24	-0.87	-0.55	0.00	-0.01	-0.02	-0.07	-0.08	-0.08	0.03	0.03	-0.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.24	-0.90	-0.40	-0.06	-0.01	-0.03	-0.06	-0.11	-0.12	-0.06	-0.11	-0.40
USGS 07380335 - Little Lake Near Cutoff	-0.15	-0.92	-0.43	-0.15	-0.03	-0.03	-0.10	-0.22	-0.21	-0.12	-0.14	-0.40
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.67	-0.29	-0.09	-0.01	-0.01	-0.02	-0.08	-0.15	-0.01	-0.08	-0.21
HWQ14 - Lake Washington	0.01	-0.48	-0.25	0.00	0.00	-0.02	-0.09	-0.16	-0.15	-0.03	0.01	-0.05
HWQ16 - Bayou Grand Liard	0.04	-0.70	-0.78	-0.60	-0.55	-0.25	-0.14	-0.09	-0.13	-0.13	-0.10	-0.25
CRMS 3985	-0.09	-0.69	-0.58	-0.04	-0.05	-0.08	-0.15	-0.13	-0.07	0.12	0.13	-0.18
CRMS 0258	-0.25	-1.02	-0.77	0.01	0.04	-0.02	-0.05	0.00	-0.02	0.00	-0.22	-0.77
CRMS 0224	-0.14	-0.94	-0.27	-0.08	0.01	0.00	0.00	0.00	-0.05	0.00	-0.21	-0.53
CRMS 0163	0.05	0.22	0.18	0.15	0.11	-0.11	0.00	0.00	-0.05	-0.04	0.00	0.07
CRMS 0162	0.10	0.25	0.26	0.26	0.24	0.08	0.03	0.04	0.03	0.02	0.02	0.13

Figure WQ NO3 32 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.77	0.28	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.24	0.46
CRMS0276 - Just east of Wilkinson Canal	0.95	1.23	0.92	0.55	0.14	0.11	0.12	0.20	0.50	0.48	0.58	0.96
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.42	0.05	0.02	0.01	0.00	0.08	0.03	0.97	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.67	0.20	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.21	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.98	0.96	0.65	0.04	0.01	0.03	0.07	0.09	0.21	0.12	0.39	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.88	0.42	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.62
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.41	0.08	0.01	0.03	0.10	0.16	0.25	0.18	0.35	0.64
USGS073802516 Barataria Pass at Grand Isle	0.86	0.90	0.39	0.06	0.01	0.01	0.02	0.04	0.15	0.04	0.27	0.59
HWQ14 - Lake Washington	0.93	0.93	0.53	0.01	0.01	0.02	0.06	0.10	0.24	0.11	0.34	0.71
HWQ16 - Bayou Grand Liard	0.79	0.98	0.72	0.50	0.38	0.31	0.27	0.13	0.31	0.23	0.37	0.67
CRMS 3985	1.13	1.09	0.90	0.16	0.14	0.13	0.27	0.36	0.45	0.37	0.63	1.02
CRMS 0258	0.69	0.84	0.38	0.05	0.03	0.00	0.01	0.00	0.03	0.05	0.57	0.76
CRMS 0224	0.75	0.78	0.19	0.06	0.00	0.00	0.01	0.01	0.08	0.04	0.32	0.53
CRMS 0163	1.37	1.30	1.30	0.97	0.43	0.03	0.01	0.00	0.23	0.48	1.26	1.30
CRMS 0162	1.39	1.30	1.34	1.29	1.23	1.20	1.31	1.10	1.03	1.34	1.35	1.35

V3PR8 HYST - cy 0 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.29	1.33	1.27	1.27	1.05	1.08	0.96	0.95	1.12	1.27	1.30
CRMS0276 - Just east of Wilkinson Canal	0.97	1.21	0.75	0.53	0.19	0.11	0.08	0.14	0.40	0.39	0.40	0.84
Barataria Waterway at Lafitte (USACE82875)	1.34	1.36	0.58	0.01	0.00	0.02	0.02	0.01	0.15	0.12	0.97	0.97
USGS2928590900040000 Barataria Waterway South of Lafitte	1.30	1.30	1.33	0.95	1.13	0.00	0.00	0.01	0.13	0.17	1.01	1.24
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.18	0.97	0.39	0.39	0.02	0.06	0.06	0.14	0.07	0.44	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.99	1.27	0.95	0.48	0.87	0.03	0.06	0.09	0.13	0.08	0.44	0.83
USGS 07380335 - Little Lake Near Cutoff	0.93	1.25	0.78	0.45	0.67	0.02	0.08	0.17	0.24	0.16	0.41	0.76
USGS073802516 Barataria Pass at Grand Isle	0.91	1.13	0.46	0.21	0.05	0.01	0.02	0.05	0.15	0.03	0.30	0.65
HWQ14 - Lake Washington	0.92	1.04	0.56	0.13	0.04	0.02	0.07	0.11	0.20	0.10	0.33	0.69
HWQ16 - Bayou Grand Liard	0.82	1.08	0.71	0.57	0.32	0.33	0.30	0.16	0.30	0.21	0.34	0.66
CRMS 3985	1.08	1.08	0.75	0.24	0.14	0.11	0.23	0.29	0.33	0.25	0.53	0.92
CRMS 0258	1.00	1.19	0.82	0.27	0.21	0.00	0.00	0.00	0.02	0.03	0.58	0.81
CRMS 0224	1.01	1.21	0.65	0.35	0.04	0.00	0.00	0.00	0.06	0.06	0.51	0.66
CRMS 0163	1.34	1.28	1.20	0.84	0.45	0.09	0.01	0.00	0.23	0.53	1.26	1.26
CRMS 0162	1.39	1.30	1.34	1.28	1.21	1.18	1.30	1.09	1.05	1.34	1.35	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.52	1.05	1.26	1.26	1.04	1.08	0.96	0.93	1.12	1.03	0.84
CRMS0276 - Just east of Wilkinson Canal	0.03	-0.02	-0.16	-0.01	0.05	0.00	-0.04	-0.06	-0.11	-0.09	-0.18	-0.11
Barataria Waterway at Lafitte (USACE82875)	-0.15	-0.08	-0.65	-0.41	-0.05	0.00	0.01	0.01	0.08	0.09	0.00	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.62	0.63	1.13	0.94	1.13	0.00	0.00	0.00	0.11	0.17	0.80	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.22	0.31	0.35	0.38	-0.01	-0.01	-0.03	-0.08	-0.05	0.05	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.39	0.53	0.44	0.86	0.01	0.01	0.01	-0.01	0.00	0.12	0.21
USGS 07380335 - Little Lake Near Cutoff	0.09	0.34	0.38	0.37	0.66	0.00	-0.02	0.00	0.00	-0.02	0.07	0.11
USGS073802516 Barataria Pass at Grand Isle	0.04	0.23	0.07	0.15	0.04	0.00	0.00	0.01	-0.01	-0.01	0.03	0.06
HWQ14 - Lake Washington	-0.01	0.11	0.03	0.13	0.04	0.00	0.00	0.01	-0.03	-0.01	-0.02	-0.02
HWQ16 - Bayou Grand Liard	0.03	0.10	-0.02	0.07	-0.06	0.01	0.03	0.03	-0.01	-0.03	-0.02	-0.01
CRMS 3985	-0.05	-0.01	-0.15	0.08	0.00	-0.02	-0.04	-0.07	-0.12	-0.12	-0.10	-0.09
CRMS 0258	0.30	0.35	0.44	0.22	0.18	0.00	0.00	0.00	0.00	-0.02	0.01	0.06
CRMS 0224	0.27	0.43	0.46	0.30	0.04	0.00	0.00	0.00	-0.02	0.02	0.18	0.13
CRMS 0163	-0.04	-0.01	-0.10	-0.13	0.03	0.06	0.00	0.00	0.00	0.05	-0.01	-0.03
CRMS 0162	0.00	0.00	0.00	0.00	-0.02	-0.02	-0.01	-0.01	0.02	0.00	0.00	0.00

Figure WQ NO3 33 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.90	0.44	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.37
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.08	0.68	0.20	0.16	0.08	0.12	0.44	0.53	0.51	0.67
Barataria Waterway at Lafitte (USACE82875)	1.43	1.35	1.41	0.94	0.22	0.12	0.10	0.01	0.15	0.02	0.87	1.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.93	0.33	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.28	0.35
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.94	0.58	0.01	0.01	0.04	0.10	0.05	0.16	0.08	0.34	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.94	0.41	0.06	0.01	0.03	0.06	0.08	0.12	0.07	0.30	0.57
USGS 07380335 - Little Lake Near Cutoff	0.85	1.00	0.45	0.13	0.02	0.04	0.12	0.19	0.27	0.15	0.33	0.53
USGS073802516 Barataria Pass at Grand Isle	0.85	0.95	0.39	0.10	0.01	0.01	0.03	0.06	0.12	0.02	0.24	0.52
HWQ14 - Lake Washington	0.90	0.90	0.42	0.01	0.01	0.03	0.10	0.07	0.21	0.08	0.31	0.66
HWQ16 - Bayou Grand Liard	0.87	1.09	0.87	0.62	0.46	0.43	0.51	0.67	0.56	0.43	0.28	0.45
CRMS 3985	1.07	1.03	0.70	0.04	0.05	0.13	0.34	0.31	0.38	0.25	0.58	0.98
CRMS 0258	0.95	1.16	0.91	0.05	0.01	0.00	0.00	0.00	0.09	0.01	0.62	0.87
CRMS 0224	0.83	1.02	0.32	0.07	0.00	0.00	0.01	0.00	0.03	0.01	0.38	0.60
CRMS 0163	1.26	1.17	1.23	1.19	0.95	0.47	0.02	0.03	0.39	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.25	1.33	1.31	1.32	1.35	1.37	1.39

V3PR8 HYST - cy 0 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.24	1.28	1.32	1.09	0.95	1.15	1.40	1.35
CRMS0276 - Just east of Wilkinson Canal	1.19	1.32	1.19	0.60	0.30	0.26	0.38	0.22	0.61	0.61	0.46	0.52
Barataria Waterway at Lafitte (USACE82875)	1.41	1.40	0.37	0.01	0.00	0.02	0.02	0.00	0.11	0.05	0.68	1.21
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.16	1.23	1.22	1.25	1.30	1.34	0.75	0.12	0.20	1.14	1.30
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.17	1.24	1.17	1.08	1.03	0.87	0.27	0.15	0.11	0.51	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.17	1.26	1.22	1.22	1.29	1.29	0.73	0.16	0.13	0.56	0.90
USGS 07380335 - Little Lake Near Cutoff	1.22	1.20	1.29	1.21	1.13	1.22	1.21	0.77	0.36	0.25	0.51	0.78
USGS073802516 Barataria Pass at Grand Isle	1.13	1.20	1.18	0.56	0.30	0.25	0.27	0.11	0.13	0.10	0.41	0.70
HWQ14 - Lake Washington	1.05	1.15	1.09	0.50	0.32	0.25	0.23	0.14	0.21	0.14	0.41	0.75
HWQ16 - Bayou Grand Liard	1.07	1.24	1.21	0.87	0.62	0.67	0.63	0.63	0.60	0.41	0.30	0.49
CRMS 3985	1.12	1.18	1.20	0.93	0.67	0.62	0.51	0.43	0.31	0.28	0.55	0.94
CRMS 0258	1.23	1.21	1.30	1.21	0.74	0.49	0.38	0.03	0.28	0.07	0.75	0.91
CRMS 0224	1.23	1.18	1.30	1.21	0.63	0.45	0.24	0.00	0.06	0.05	0.68	0.79
CRMS 0163	1.25	1.17	1.14	1.04	0.82	0.32	0.02	0.04	0.42	0.55	1.22	1.30
CRMS 0162	1.25	1.18	1.24	1.23	1.22	1.21	1.33	1.31	1.32	1.35	1.38	1.39

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.26	0.79	1.19	1.23	1.27	1.32	1.09	0.93	1.14	1.21	0.98
CRMS0276 - Just east of Wilkinson Canal	0.15	0.01	0.11	-0.08	0.10	0.09	0.30	0.10	0.17	0.08	-0.05	-0.15
Barataria Waterway at Lafitte (USACE82875)	-0.02	0.05	-1.04	-0.93	-0.22	-0.10	-0.09	0.00	-0.04	0.03	-0.19	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.22	0.89	1.21	1.24	1.29	1.33	0.74	0.12	0.19	0.86	0.95
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.23	0.66	1.16	1.07	1.00	0.78	0.21	-0.01	0.03	0.18	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.24	0.84	1.16	1.21	1.25	1.23	0.65	0.04	0.06	0.26	0.33
USGS 07380335 - Little Lake Near Cutoff	0.37	0.20	0.84	1.08	1.11	1.17	1.09	0.58	0.09	0.10	0.18	0.24
USGS073802516 Barataria Pass at Grand Isle	0.28	0.25	0.80	0.46	0.29	0.24	0.23	0.05	0.01	0.07	0.17	0.18
HWQ14 - Lake Washington	0.15	0.24	0.67	0.50	0.31	0.22	0.13	0.07	0.00	0.05	0.10	0.09
HWQ16 - Bayou Grand Liard	0.20	0.16	0.35	0.25	0.16	0.24	0.13	-0.04	0.05	-0.02	0.02	0.04
CRMS 3985	0.05	0.15	0.50	0.88	0.62	0.49	0.17	0.11	-0.07	0.03	-0.04	-0.04
CRMS 0258	0.27	0.04	0.39	1.16	0.73	0.48	0.37	0.03	0.19	0.05	0.13	0.04
CRMS 0224	0.40	0.16	0.98	1.14	0.63	0.45	0.24	0.00	0.03	0.04	0.29	0.20
CRMS 0163	-0.01	0.00	-0.09	-0.15	-0.13	-0.15	0.00	0.02	0.03	0.06	-0.04	-0.01
CRMS 0162	0.00	0.00	0.00	0.00	-0.03	-0.04	-0.01	0.00	0.00	0.00	0.00	0.00

Figure WQ NO3 34 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.85	0.46	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.45
CRMS0276 - Just east of Wilkinson Canal	1.09	1.22	1.02	0.74	0.50	0.34	0.09	0.14	0.45	0.46	0.47	0.96
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	1.03	0.61	0.51	0.13	0.00	0.13	0.01	0.87	1.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.85	0.91	0.37	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.26	0.38
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.96	0.68	0.01	0.01	0.02	0.07	0.08	0.18	0.07	0.30	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.88	0.91	0.47	0.07	0.01	0.04	0.07	0.10	0.13	0.07	0.25	0.59
USGS 07380335 - Little Lake Near Cutoff	0.90	0.95	0.46	0.15	0.04	0.06	0.13	0.21	0.26	0.14	0.25	0.62
USGS073802516 Barataria Pass at Grand Isle	0.87	0.92	0.42	0.10	0.01	0.02	0.03	0.08	0.15	0.02	0.20	0.56
HWQ14 - Lake Washington	0.89	0.92	0.54	0.01	0.01	0.02	0.10	0.12	0.22	0.08	0.27	0.65
HWQ16 - Bayou Grand Liard	0.88	0.96	0.71	0.63	0.58	0.58	0.58	0.65	0.55	0.33	0.23	0.71
CRMS 3985	1.08	1.11	0.89	0.06	0.04	0.10	0.24	0.29	0.38	0.25	0.55	0.94
CRMS 0258	1.04	1.14	0.90	0.08	0.01	0.00	0.00	0.02	0.12	0.01	0.59	0.99
CRMS 0224	0.91	0.98	0.37	0.09	0.00	0.00	0.01	0.00	0.04	0.01	0.35	0.65
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.99	0.03	0.01	0.36	0.44	1.27	1.21
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.34	1.29	1.31	1.35	1.38	1.24

V3PR8 HYST - cy 0 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.39	1.20	1.20	1.15	1.21	1.31	0.96	0.95	1.17	1.38	1.21
CRMS0276 - Just east of Wilkinson Canal	1.29	1.19	0.96	0.60	0.58	0.63	0.44	0.14	0.66	0.51	0.43	1.07
Barataria Waterway at Lafitte (USACE82875)	1.48	1.49	1.22	0.19	0.00	0.02	0.01	0.00	0.10	0.07	0.95	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.33	1.46	1.21	1.20	1.17	1.22	1.34	0.10	0.14	0.21	1.15	1.21
USGS7380251 Barataria Bay North of Grand Isle	1.17	1.14	1.18	1.17	1.18	1.22	0.93	0.06	0.15	0.13	0.51	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.27	1.25	1.20	1.22	1.21	1.28	1.29	0.20	0.17	0.13	0.55	1.22
USGS 07380335 - Little Lake Near Cutoff	1.26	1.23	1.21	1.21	1.22	1.28	1.23	0.35	0.37	0.22	0.48	1.23
USGS073802516 Barataria Pass at Grand Isle	1.19	1.14	1.06	0.61	0.61	0.72	0.31	0.01	0.12	0.07	0.39	1.06
HWQ14 - Lake Washington	1.07	1.05	1.01	0.55	0.59	0.73	0.33	0.09	0.20	0.17	0.40	0.95
HWQ16 - Bayou Grand Liard	1.03	1.05	1.07	0.89	0.92	0.95	0.70	0.62	0.60	0.35	0.27	1.01
CRMS 3985	1.11	1.13	1.13	0.95	0.98	0.95	0.64	0.39	0.29	0.30	0.54	1.07
CRMS 0258	1.48	1.45	1.22	1.24	1.17	1.12	0.46	0.04	0.20	0.02	0.70	1.22
CRMS 0224	1.40	1.37	1.21	1.24	1.21	1.21	0.35	0.00	0.06	0.04	0.66	1.21
CRMS 0163	1.34	1.40	1.20	1.08	1.12	0.75	0.03	0.02	0.37	0.51	1.27	1.22
CRMS 0162	1.33	1.39	1.24	1.22	1.21	1.23	1.33	1.30	1.32	1.35	1.38	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.55	0.74	1.17	1.14	1.20	1.31	0.96	0.94	1.17	1.20	0.76
CRMS0276 - Just east of Wilkinson Canal	0.20	-0.03	-0.06	-0.14	0.08	0.29	0.36	0.00	0.22	0.05	-0.04	0.11
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.09	-0.12	-0.83	-0.61	-0.49	-0.12	0.00	-0.03	0.05	0.08	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.47	0.55	0.84	1.19	1.16	1.22	1.33	0.09	0.14	0.21	0.89	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.18	0.49	1.16	1.17	1.20	0.86	-0.01	-0.03	0.06	0.21	0.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.34	0.73	1.15	1.20	1.24	1.22	0.11	0.04	0.06	0.31	0.64
USGS 07380335 - Little Lake Near Cutoff	0.37	0.28	0.75	1.07	1.18	1.22	1.10	0.14	0.11	0.08	0.22	0.61
USGS073802516 Barataria Pass at Grand Isle	0.32	0.22	0.64	0.51	0.60	0.70	0.28	-0.07	-0.03	0.05	0.19	0.50
HWQ14 - Lake Washington	0.18	0.13	0.47	0.54	0.59	0.70	0.23	-0.03	-0.03	0.09	0.13	0.31
HWQ16 - Bayou Grand Liard	0.16	0.09	0.36	0.26	0.34	0.37	0.11	-0.03	0.05	0.02	0.04	0.31
CRMS 3985	0.03	0.02	0.24	0.88	0.94	0.85	0.39	0.11	-0.09	0.05	-0.01	0.13
CRMS 0258	0.44	0.32	0.31	1.16	1.16	1.12	0.45	0.02	0.07	0.02	0.11	0.23
CRMS 0224	0.49	0.39	0.84	1.15	1.21	1.20	0.34	0.00	0.03	0.03	0.31	0.56
CRMS 0163	-0.01	-0.01	-0.01	-0.11	-0.03	-0.24	-0.01	0.01	0.01	0.08	-0.01	0.01
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.01	0.01	0.00	0.00	0.00	0.00

Figure WQ NO3 35 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.76	0.43	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.27
CRMS0276 - Just east of Wilkinson Canal	0.97	1.22	1.00	0.57	0.28	0.11	0.09	0.22	0.48	0.52	0.60	0.84
Barataria Waterway at Lafitte (USACE82875)	1.44	1.52	1.36	0.64	0.31	0.05	0.01	0.00	0.09	0.03	0.97	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.72	0.69	0.25	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.23	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.96	0.67	0.03	0.01	0.03	0.09	0.10	0.18	0.10	0.35	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.88	0.43	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.60
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.43	0.08	0.02	0.04	0.12	0.19	0.29	0.19	0.37	0.61
USGS073802516 Barataria Pass at Grand Isle	0.85	0.90	0.40	0.07	0.01	0.01	0.03	0.05	0.16	0.03	0.27	0.56
HWQ14 - Lake Washington	0.92	0.92	0.51	0.01	0.01	0.02	0.08	0.08	0.21	0.11	0.32	0.69
HWQ16 - Bayou Grand Liard	0.81	0.97	0.78	0.56	0.49	0.39	0.43	0.25	0.44	0.32	0.38	0.58
CRMS 3985	1.09	1.10	0.86	0.12	0.05	0.12	0.31	0.37	0.41	0.33	0.59	1.02
CRMS 0258	0.80	0.87	0.73	0.07	0.01	0.00	0.01	0.00	0.03	0.04	0.54	0.61
CRMS 0224	0.75	0.80	0.25	0.06	0.00	0.00	0.01	0.00	0.07	0.04	0.35	0.52
CRMS 0163	1.31	1.37	1.26	1.14	1.09	0.25	0.01	0.01	0.28	0.54	1.26	1.31
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.25	1.33	1.21	1.17	1.34	1.36	1.40

V3PR9 HYST - cy 0 - 1970 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.81	0.76	0.44	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.20	0.26
CRMS0276 - Just east of Wilkinson Canal	0.92	1.15	0.82	0.50	0.29	0.15	0.13	0.26	0.57	0.44	0.40	0.57
Barataria Waterway at Lafitte (USACE82875)	1.36	1.42	0.79	0.01	0.00	0.02	0.02	0.01	0.10	0.05	0.82	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.70	0.67	0.24	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.22	0.25
USGS7380251 Barataria Bay North of Grand Isle	0.97	0.96	0.72	0.05	0.01	0.02	0.09	0.11	0.20	0.10	0.36	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.84	0.87	0.44	0.03	0.01	0.03	0.06	0.10	0.14	0.07	0.29	0.55
USGS 07380335 - Little Lake Near Cutoff	0.82	0.90	0.42	0.07	0.02	0.03	0.11	0.20	0.26	0.17	0.30	0.53
USGS073802516 Barataria Pass at Grand Isle	0.85	0.89	0.41	0.06	0.01	0.01	0.02	0.06	0.18	0.03	0.25	0.51
HWQ14 - Lake Washington	0.94	0.93	0.59	0.01	0.01	0.02	0.09	0.15	0.24	0.09	0.33	0.71
HWQ16 - Bayou Grand Liard	0.81	0.95	0.70	0.56	0.51	0.43	0.47	0.21	0.40	0.26	0.32	0.47
CRMS 3985	1.10	1.10	0.92	0.18	0.12	0.11	0.27	0.33	0.42	0.34	0.59	1.02
CRMS 0258	0.75	0.86	0.73	0.14	0.02	0.00	0.01	0.00	0.03	0.07	0.49	0.51
CRMS 0224	0.72	0.79	0.25	0.07	0.00	0.00	0.01	0.01	0.09	0.04	0.32	0.48
CRMS 0163	1.28	1.35	1.20	1.03	1.05	0.21	0.01	0.01	0.25	0.55	1.23	1.27
CRMS 0162	1.28	1.33	1.28	1.26	1.24	1.25	1.33	1.21	1.15	1.34	1.36	1.41

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.06	-0.18	-0.06	0.00	0.04	0.05	0.03	0.09	-0.08	-0.20	-0.27
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.10	-0.57	-0.63	-0.31	-0.03	0.01	0.01	0.00	0.02	-0.14	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.01	0.05	0.02	0.00	-0.01	0.01	0.01	0.03	0.00	0.02	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.01	0.00	0.00	0.00	0.00	0.02	-0.01	-0.01	-0.04	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.01	-0.03	-0.02	-0.07	-0.08
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.01	-0.01	0.00	0.00	0.00	0.01	0.02	0.00	-0.02	-0.05
HWQ14 - Lake Washington	0.02	0.01	0.08	0.00	0.00	-0.01	0.01	0.07	0.02	-0.02	0.01	0.02
HWQ16 - Bayou Grand Liard	0.00	-0.03	-0.07	0.00	0.02	0.05	0.04	-0.05	-0.04	-0.07	-0.07	-0.11
CRMS 3985	0.01	0.00	0.06	0.05	0.07	-0.01	-0.04	-0.04	0.01	0.01	0.00	0.00
CRMS 0258	-0.05	-0.01	0.00	0.07	0.00	0.00	0.00	0.00	0.00	0.03	-0.05	-0.11
CRMS 0224	-0.03	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	-0.03	-0.04
CRMS 0163	-0.03	-0.02	-0.05	-0.11	-0.05	-0.04	0.00	0.00	-0.03	0.01	-0.03	-0.03
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.00	0.00

Figure WQ NO3 36 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.87	0.40	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.42
CRMS0276 - Just east of Wilkinson Canal	1.06	1.29	1.17	0.78	0.46	0.15	0.09	0.18	0.48	0.42	0.45	0.95
Barataria Waterway at Lafitte (USACE82875)	1.47	1.39	1.34	1.12	0.58	0.05	0.02	0.00	0.11	0.03	0.92	1.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.88	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.34
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.95	0.59	0.01	0.01	0.02	0.08	0.10	0.19	0.07	0.31	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.92	0.41	0.06	0.01	0.04	0.07	0.11	0.13	0.06	0.24	0.56
USGS 07380335 - Little Lake Near Cutoff	0.87	0.97	0.45	0.15	0.04	0.04	0.10	0.23	0.28	0.13	0.23	0.59
USGS073802516 Barataria Pass at Grand Isle	0.86	0.93	0.39	0.09	0.01	0.01	0.02	0.08	0.16	0.02	0.19	0.54
HWQ14 - Lake Washington	0.90	0.91	0.43	0.01	0.01	0.02	0.10	0.17	0.22	0.07	0.29	0.65
HWQ16 - Bayou Grand Liard	0.85	1.05	0.88	0.64	0.57	0.40	0.48	0.44	0.50	0.20	0.23	0.63
CRMS 3985	1.08	1.05	0.74	0.04	0.05	0.10	0.25	0.31	0.40	0.27	0.57	0.97
CRMS 0258	1.00	1.14	0.84	0.06	0.01	0.02	0.05	0.00	0.02	0.01	0.50	0.88
CRMS 0224	0.86	0.98	0.29	0.09	0.00	0.00	0.01	0.00	0.06	0.01	0.30	0.59
CRMS 0163	1.32	1.21	1.15	1.18	1.16	0.26	0.01	0.01	0.29	0.44	1.26	1.28
CRMS 0162	1.31	1.21	1.17	1.21	1.22	1.27	1.35	1.22	1.23	1.30	1.37	1.32

V3PR9 HYST - cy 0 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.86	0.40	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.44
CRMS0276 - Just east of Wilkinson Canal	1.02	1.26	0.97	0.61	0.40	0.14	0.14	0.20	0.73	0.35	0.35	0.56
Barataria Waterway at Lafitte (USACE82875)	1.42	1.39	0.45	0.05	0.01	0.01	0.02	0.01	0.10	0.11	1.02	1.33
USGS2928590900040000 Barataria Waterway South of Lafitte	0.79	0.85	0.28	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.20	0.35
USGS7380251 Barataria Bay North of Grand Isle	0.97	0.95	0.60	0.01	0.01	0.02	0.09	0.10	0.18	0.08	0.33	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	0.90	0.41	0.07	0.01	0.04	0.07	0.11	0.12	0.06	0.22	0.53
USGS 07380335 - Little Lake Near Cutoff	0.85	0.96	0.46	0.15	0.04	0.04	0.11	0.24	0.28	0.13	0.20	0.50
USGS073802516 Barataria Pass at Grand Isle	0.86	0.92	0.40	0.10	0.01	0.01	0.03	0.09	0.16	0.02	0.20	0.49
HWQ14 - Lake Washington	0.92	0.91	0.46	0.01	0.01	0.02	0.10	0.17	0.20	0.07	0.31	0.69
HWQ16 - Bayou Grand Liard	0.84	1.04	0.89	0.65	0.60	0.43	0.49	0.48	0.48	0.14	0.22	0.49
CRMS 3985	1.09	1.06	0.75	0.04	0.05	0.10	0.25	0.28	0.38	0.29	0.59	0.98
CRMS 0258	0.94	1.11	0.84	0.06	0.01	0.02	0.04	0.00	0.02	0.06	0.43	0.75
CRMS 0224	0.81	0.95	0.30	0.09	0.00	0.00	0.01	0.01	0.07	0.03	0.28	0.52
CRMS 0163	1.29	1.20	1.12	1.13	1.14	0.17	0.01	0.01	0.29	0.44	1.27	1.29
CRMS 0162	1.31	1.21	1.18	1.21	1.23	1.27	1.35	1.23	1.23	1.30	1.38	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02
CRMS0276 - Just east of Wilkinson Canal	-0.04	-0.04	-0.20	-0.17	-0.06	-0.02	0.05	0.01	0.25	-0.07	-0.11	-0.39
Barataria Waterway at Lafitte (USACE82875)	-0.05	0.00	-0.88	-1.07	-0.57	-0.03	-0.01	0.01	-0.01	0.08	0.10	0.27
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.02	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.00	0.00	0.00	0.01	0.01	-0.01	-0.01	-0.03	-0.09
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	-0.04
HWQ14 - Lake Washington	0.02	0.01	0.02	0.00	0.00	0.00	0.01	0.01	-0.03	0.00	0.02	0.03
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.01	0.01	0.02	0.03	0.01	0.05	-0.02	-0.05	-0.01	-0.14
CRMS 3985	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-0.03	-0.02	0.03	0.01	0.01
CRMS 0258	-0.06	-0.02	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.05	-0.07	-0.13
CRMS 0224	-0.04	-0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	-0.02	-0.06
CRMS 0163	-0.02	-0.01	-0.02	-0.05	-0.02	-0.09	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00

Figure WQ NO3 37 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.77	0.28	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.24	0.46
CRMS0276 - Just east of Wilkinson Canal	0.95	1.23	0.92	0.55	0.14	0.11	0.12	0.20	0.50	0.48	0.58	0.96
Barataria Waterway at Lafitte (USACE82875)	1.49	1.44	1.23	0.42	0.05	0.02	0.01	0.00	0.08	0.03	0.97	1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.67	0.20	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.21	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.98	0.96	0.65	0.04	0.01	0.03	0.07	0.09	0.21	0.12	0.39	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	0.88	0.42	0.03	0.01	0.03	0.06	0.08	0.15	0.08	0.32	0.62
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.41	0.08	0.01	0.03	0.10	0.16	0.25	0.18	0.35	0.64
USGS073802516 Barataria Pass at Grand Isle	0.86	0.90	0.39	0.06	0.01	0.01	0.02	0.04	0.15	0.04	0.27	0.59
HWQ14 - Lake Washington	0.93	0.93	0.53	0.01	0.01	0.02	0.06	0.10	0.24	0.11	0.34	0.71
HWQ16 - Bayou Grand Liard	0.79	0.98	0.72	0.50	0.38	0.31	0.27	0.13	0.31	0.23	0.37	0.67
CRMS 3985	1.13	1.09	0.90	0.16	0.14	0.13	0.27	0.36	0.45	0.37	0.63	1.02
CRMS 0258	0.69	0.84	0.38	0.05	0.03	0.00	0.01	0.00	0.03	0.05	0.57	0.76
CRMS 0224	0.75	0.78	0.19	0.06	0.00	0.00	0.01	0.01	0.08	0.04	0.32	0.53
CRMS 0163	1.37	1.30	1.30	0.97	0.43	0.03	0.01	0.00	0.23	0.48	1.26	1.30
CRMS 0162	1.39	1.30	1.34	1.29	1.23	1.20	1.31	1.10	1.03	1.34	1.35	1.35

V3PR9 HYST - cy 0 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.77	0.29	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.23	0.50
CRMS0276 - Just east of Wilkinson Canal	0.92	1.19	0.69	0.60	0.30	0.23	0.15	0.17	0.39	0.37	0.37	0.75
Barataria Waterway at Lafitte (USACE82875)	1.34	1.36	0.45	0.01	0.00	0.02	0.02	0.02	0.18	0.13	0.99	0.97
USGS2928590900040000 Barataria Waterway South of Lafitte	0.68	0.66	0.20	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.20	0.36
USGS7380251 Barataria Bay North of Grand Isle	0.98	0.96	0.69	0.06	0.02	0.03	0.07	0.12	0.22	0.10	0.40	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	0.87	0.43	0.03	0.01	0.03	0.06	0.08	0.13	0.09	0.26	0.60
USGS 07380335 - Little Lake Near Cutoff	0.83	0.90	0.41	0.07	0.01	0.03	0.10	0.16	0.22	0.17	0.25	0.59
USGS073802516 Barataria Pass at Grand Isle	0.85	0.89	0.40	0.06	0.01	0.01	0.02	0.04	0.15	0.04	0.24	0.56
HWQ14 - Lake Washington	0.94	0.93	0.59	0.02	0.02	0.02	0.06	0.11	0.24	0.11	0.36	0.73
HWQ16 - Bayou Grand Liard	0.78	0.97	0.64	0.50	0.41	0.34	0.27	0.12	0.26	0.17	0.29	0.60
CRMS 3985	1.13	1.09	0.93	0.22	0.16	0.13	0.27	0.42	0.44	0.34	0.64	1.02
CRMS 0258	0.68	0.85	0.41	0.10	0.03	0.00	0.00	0.00	0.03	0.09	0.54	0.71
CRMS 0224	0.73	0.77	0.21	0.07	0.00	0.00	0.01	0.01	0.07	0.04	0.31	0.52
CRMS 0163	1.34	1.28	1.19	0.83	0.51	0.08	0.01	0.00	0.23	0.53	1.26	1.26
CRMS 0162	1.39	1.30	1.34	1.29	1.23	1.19	1.31	1.11	1.05	1.35	1.35	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.04
CRMS0276 - Just east of Wilkinson Canal	-0.03	-0.04	-0.23	0.05	0.16	0.12	0.03	-0.03	-0.12	-0.11	-0.21	-0.21
Barataria Waterway at Lafitte (USACE82875)	-0.15	-0.08	-0.79	-0.41	-0.05	0.00	0.01	0.02	0.10	0.10	0.03	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.04
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.04	0.02	0.01	0.00	0.00	0.03	0.01	-0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.06	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.01	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.01	-0.09	-0.05
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.04	-0.02
HWQ14 - Lake Washington	0.01	0.00	0.06	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.02	0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.02	-0.08	0.00	0.03	0.03	0.00	-0.01	-0.05	-0.07	-0.08	-0.07
CRMS 3985	0.00	0.00	0.03	0.06	0.03	0.00	0.00	0.06	-0.01	-0.03	0.02	0.00
CRMS 0258	-0.02	0.00	0.03	0.05	0.00	0.00	0.00	0.00	0.00	0.04	-0.03	-0.05
CRMS 0224	-0.02	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	-0.01	0.01	-0.01	-0.01
CRMS 0163	-0.03	-0.02	-0.11	-0.13	0.08	0.05	0.00	0.00	0.00	0.05	0.00	-0.03
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00

Figure WQ NO3 38 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.90	0.44	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.37
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.08	0.68	0.20	0.16	0.08	0.12	0.44	0.53	0.51	0.67
Barataria Waterway at Lafitte (USACE82875)	1.43	1.35	1.41	0.94	0.22	0.12	0.10	0.01	0.15	0.02	0.87	1.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.93	0.33	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.28	0.35
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.94	0.58	0.01	0.01	0.04	0.10	0.05	0.16	0.08	0.34	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.94	0.41	0.06	0.01	0.03	0.06	0.08	0.12	0.07	0.30	0.57
USGS 07380335 - Little Lake Near Cutoff	0.85	1.00	0.45	0.13	0.02	0.04	0.12	0.19	0.27	0.15	0.33	0.53
USGS073802516 Barataria Pass at Grand Isle	0.85	0.95	0.39	0.10	0.01	0.01	0.03	0.06	0.12	0.02	0.24	0.52
HWQ14 - Lake Washington	0.90	0.90	0.42	0.01	0.01	0.03	0.10	0.07	0.21	0.08	0.31	0.66
HWQ16 - Bayou Grand Liard	0.87	1.09	0.87	0.62	0.46	0.43	0.51	0.67	0.56	0.43	0.28	0.45
CRMS 3985	1.07	1.03	0.70	0.04	0.05	0.13	0.34	0.31	0.38	0.25	0.58	0.98
CRMS 0258	0.95	1.16	0.91	0.05	0.01	0.00	0.00	0.00	0.09	0.01	0.62	0.87
CRMS 0224	0.83	1.02	0.32	0.07	0.00	0.00	0.01	0.00	0.03	0.01	0.38	0.60
CRMS 0163	1.26	1.17	1.23	1.19	0.95	0.47	0.02	0.03	0.39	0.49	1.26	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.25	1.33	1.31	1.32	1.35	1.37	1.39

V3PR9 HYST - cy 0 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.86	0.89	0.44	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.37
CRMS0276 - Just east of Wilkinson Canal	0.99	1.28	0.94	0.53	0.26	0.18	0.11	0.21	0.65	0.55	0.40	0.51
Barataria Waterway at Lafitte (USACE82875)	1.42	1.40	0.43	0.02	0.00	0.02	0.02	0.00	0.12	0.06	0.71	1.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.80	0.91	0.32	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.27	0.34
USGS7380251 Barataria Bay North of Grand Isle	0.97	0.95	0.63	0.01	0.01	0.04	0.10	0.05	0.16	0.09	0.33	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	0.92	0.42	0.05	0.01	0.03	0.06	0.09	0.13	0.07	0.25	0.54
USGS 07380335 - Little Lake Near Cutoff	0.84	0.98	0.45	0.13	0.02	0.05	0.12	0.21	0.32	0.16	0.26	0.48
USGS073802516 Barataria Pass at Grand Isle	0.85	0.94	0.40	0.10	0.02	0.02	0.03	0.07	0.15	0.02	0.22	0.49
HWQ14 - Lake Washington	0.93	0.92	0.48	0.01	0.01	0.03	0.09	0.07	0.22	0.11	0.30	0.70
HWQ16 - Bayou Grand Liard	0.84	1.06	0.84	0.62	0.52	0.47	0.52	0.67	0.60	0.36	0.24	0.41
CRMS 3985	1.09	1.05	0.78	0.06	0.05	0.13	0.36	0.33	0.39	0.30	0.57	1.01
CRMS 0258	0.91	1.14	0.89	0.06	0.02	0.00	0.00	0.00	0.08	0.03	0.60	0.71
CRMS 0224	0.80	0.99	0.32	0.08	0.00	0.00	0.01	0.00	0.05	0.01	0.36	0.55
CRMS 0163	1.24	1.16	1.16	1.10	0.96	0.43	0.04	0.03	0.41	0.56	1.23	1.31
CRMS 0162	1.25	1.18	1.24	1.24	1.25	1.24	1.33	1.31	1.32	1.35	1.38	1.39

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.03	-0.14	-0.15	0.06	0.02	0.02	0.08	0.21	0.03	-0.11	-0.16
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.05	-0.98	-0.93	-0.22	-0.10	-0.09	0.00	-0.03	0.04	-0.16	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.01	0.05	0.00	0.00	0.00	0.01	0.00	0.00	0.01	-0.01	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.01	-0.01	0.00	0.00	0.00	0.00	0.01	0.00	-0.05	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.06	0.01	-0.07	-0.05
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.01	0.00	0.01	0.00	0.00	0.01	0.04	0.00	-0.02	-0.03
HWQ14 - Lake Washington	0.03	0.01	0.06	0.00	0.00	0.00	-0.01	0.00	0.01	0.02	-0.01	0.04
HWQ16 - Bayou Grand Liard	-0.03	-0.03	-0.03	0.00	0.06	0.04	0.02	0.01	0.05	-0.08	-0.04	-0.04
CRMS 3985	0.02	0.02	0.08	0.02	0.00	0.00	0.02	0.01	0.01	0.05	-0.02	0.03
CRMS 0258	-0.05	-0.03	-0.01	0.01	0.00	0.00	0.00	0.00	-0.01	0.01	-0.03	-0.17
CRMS 0224	-0.03	-0.03	-0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.00	-0.03	-0.05
CRMS 0163	-0.02	-0.01	-0.07	-0.09	0.01	-0.04	0.02	0.01	0.02	0.07	-0.04	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.00

Figure WQ NO3 39 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.85	0.46	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.45
CRMS0276 - Just east of Wilkinson Canal	1.09	1.22	1.02	0.74	0.50	0.34	0.09	0.14	0.45	0.46	0.47	0.96
Barataria Waterway at Lafitte (USACE82875)	1.51	1.58	1.33	1.03	0.61	0.51	0.13	0.00	0.13	0.01	0.87	1.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.85	0.91	0.37	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.26	0.38
USGS7380251 Barataria Bay North of Grand Isle	0.95	0.96	0.68	0.01	0.01	0.02	0.07	0.08	0.18	0.07	0.30	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.88	0.91	0.47	0.07	0.01	0.04	0.07	0.10	0.13	0.07	0.25	0.59
USGS 07380335 - Little Lake Near Cutoff	0.90	0.95	0.46	0.15	0.04	0.06	0.13	0.21	0.26	0.14	0.25	0.62
USGS073802516 Barataria Pass at Grand Isle	0.87	0.92	0.42	0.10	0.01	0.02	0.03	0.08	0.15	0.02	0.20	0.56
HWQ14 - Lake Washington	0.89	0.92	0.54	0.01	0.01	0.02	0.10	0.12	0.22	0.08	0.27	0.65
HWQ16 - Bayou Grand Liard	0.88	0.96	0.71	0.63	0.58	0.58	0.58	0.65	0.55	0.33	0.23	0.71
CRMS 3985	1.08	1.11	0.89	0.06	0.04	0.10	0.24	0.29	0.38	0.25	0.55	0.94
CRMS 0258	1.04	1.14	0.90	0.08	0.01	0.00	0.00	0.02	0.12	0.01	0.59	0.99
CRMS 0224	0.91	0.98	0.37	0.09	0.00	0.00	0.01	0.00	0.04	0.01	0.35	0.65
CRMS 0163	1.35	1.42	1.21	1.18	1.15	0.99	0.03	0.01	0.36	0.44	1.27	1.21
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.34	1.29	1.31	1.35	1.38	1.24

V3PR9 HYST - cy 0 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.86	0.48	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.46
CRMS0276 - Just east of Wilkinson Canal	1.09	1.13	0.72	0.62	0.41	0.27	0.11	0.20	0.70	0.48	0.39	0.81
Barataria Waterway at Lafitte (USACE82875)	1.47	1.49	1.23	0.15	0.01	0.02	0.01	0.00	0.11	0.08	0.95	1.30
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	0.93	0.37	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.25	0.38
USGS7380251 Barataria Bay North of Grand Isle	0.98	0.99	0.73	0.04	0.01	0.04	0.11	0.06	0.17	0.10	0.34	0.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.89	0.92	0.47	0.05	0.01	0.03	0.06	0.09	0.13	0.06	0.24	0.56
USGS 07380335 - Little Lake Near Cutoff	0.90	0.95	0.46	0.12	0.04	0.05	0.13	0.21	0.32	0.15	0.23	0.56
USGS073802516 Barataria Pass at Grand Isle	0.89	0.93	0.42	0.09	0.02	0.02	0.03	0.07	0.15	0.02	0.21	0.54
HWQ14 - Lake Washington	0.93	0.95	0.61	0.01	0.01	0.03	0.11	0.07	0.22	0.10	0.31	0.70
HWQ16 - Bayou Grand Liard	0.90	0.96	0.65	0.62	0.62	0.57	0.54	0.65	0.59	0.29	0.22	0.64
CRMS 3985	1.10	1.13	0.93	0.14	0.05	0.14	0.37	0.32	0.40	0.31	0.58	0.99
CRMS 0258	1.00	1.15	0.84	0.12	0.01	0.00	0.00	0.01	0.10	0.02	0.56	0.91
CRMS 0224	0.89	0.99	0.36	0.09	0.00	0.00	0.01	0.00	0.05	0.01	0.33	0.59
CRMS 0163	1.33	1.41	1.20	1.12	1.14	0.89	0.06	0.02	0.37	0.50	1.27	1.22
CRMS 0162	1.33	1.39	1.24	1.23	1.22	1.25	1.33	1.29	1.32	1.34	1.38	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.10	-0.29	-0.12	-0.09	-0.07	0.02	0.06	0.25	0.02	-0.09	-0.15
Barataria Waterway at Lafitte (USACE82875)	-0.04	-0.09	-0.10	-0.88	-0.60	-0.49	-0.12	0.00	-0.02	0.07	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.03	0.05	0.02	0.00	0.02	0.04	-0.02	-0.01	0.03	0.03	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.01	0.00	-0.02	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	-0.01	-0.02	0.00	-0.01	-0.01	0.00	0.06	0.01	-0.02	-0.06
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.01	-0.01	0.01	0.00	0.00	-0.01	0.00	0.00	0.01	-0.02
HWQ14 - Lake Washington	0.04	0.02	0.06	0.00	0.00	0.01	0.01	-0.05	0.00	0.02	0.04	0.06
HWQ16 - Bayou Grand Liard	0.02	0.00	-0.06	-0.01	0.04	-0.01	-0.04	0.00	0.04	-0.04	-0.01	-0.07
CRMS 3985	0.03	0.02	0.05	0.08	0.01	0.04	0.12	0.04	0.02	0.06	0.03	0.05
CRMS 0258	-0.04	0.01	-0.07	0.04	0.00	0.00	0.00	-0.01	-0.02	0.02	-0.03	-0.09
CRMS 0224	-0.01	0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.02	-0.06
CRMS 0163	-0.02	-0.01	-0.01	-0.07	-0.01	-0.10	0.02	0.01	0.02	0.06	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00

Figure WQ NO3 40 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.76	0.22	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.05	1.30	1.24	0.86	0.37	0.14	0.12	0.23	0.56	0.60	0.96	1.13
Barataria Waterway at Lafitte (USACE82875)	1.39	1.39	1.38	1.33	0.42	0.11	0.11	0.01	0.46	0.70	1.34	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.78	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.87	0.67	0.30	0.01	0.01	0.01	0.04	0.08	0.17	0.08	0.28	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.81	0.22	0.06	0.01	0.02	0.05	0.07	0.11	0.06	0.32	0.51
USGS 07380335 - Little Lake Near Cutoff	0.80	0.91	0.34	0.17	0.02	0.03	0.11	0.22	0.27	0.18	0.46	0.63
USGS073802516 Barataria Pass at Grand Isle	0.78	0.84	0.22	0.08	0.01	0.01	0.02	0.07	0.13	0.03	0.28	0.51
HWQ14 - Lake Washington	0.79	0.68	0.17	0.01	0.01	0.01	0.05	0.07	0.17	0.07	0.23	0.54
HWQ16 - Bayou Grand Liard	0.84	1.05	0.88	0.69	0.49	0.40	0.54	0.49	0.52	0.43	0.57	0.75
CRMS 3985	0.92	0.61	0.32	0.02	0.02	0.06	0.12	0.26	0.41	0.29	0.49	0.85
CRMS 0258	0.85	0.97	0.64	0.06	0.00	0.00	0.00	0.01	0.03	0.01	0.58	0.80
CRMS 0224	0.74	0.88	0.21	0.10	0.00	0.00	0.01	0.01	0.07	0.02	0.39	0.57
CRMS 0163	1.28	1.24	1.21	1.19	1.23	0.61	0.08	0.14	0.94	1.23	1.37	1.36
CRMS 0162	1.26	1.23	1.21	1.19	1.25	1.15	1.32	1.11	1.31	1.42	1.32	1.35

V3PR2 HYST - cy 1 - 1975 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.21	1.18	1.15	1.19	1.30	1.22	1.20	1.13	1.13	1.26	1.28
CRMS0276 - Just east of Wilkinson Canal	1.15	1.30	1.21	0.82	0.33	0.11	0.09	0.17	0.58	0.62	0.99	1.16
Barataria Waterway at Lafitte (USACE82875)	1.40	1.40	1.38	1.33	0.41	0.11	0.11	0.01	0.55	0.76	1.37	1.48
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.20	1.18	1.15	1.20	1.30	0.47	0.00	0.18	0.25	0.94	1.11
USGS7380251 Barataria Bay North of Grand Isle	1.03	1.14	1.14	0.90	0.57	0.11	0.09	0.08	0.15	0.12	0.51	0.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.11	1.23	1.21	1.02	0.87	0.47	0.19	0.10	0.17	0.11	0.56	0.86
USGS 07380335 - Little Lake Near Cutoff	1.07	1.24	1.22	0.86	0.62	0.30	0.24	0.23	0.35	0.24	0.59	0.83
USGS073802516 Barataria Pass at Grand Isle	0.95	1.13	0.95	0.29	0.11	0.02	0.05	0.07	0.18	0.06	0.43	0.69
HWQ14 - Lake Washington	0.81	0.97	0.79	0.18	0.09	0.03	0.09	0.11	0.17	0.12	0.36	0.66
HWQ16 - Bayou Grand Liard	0.94	1.14	1.03	0.62	0.43	0.33	0.47	0.53	0.54	0.45	0.60	0.78
CRMS 3985	0.82	0.95	0.89	0.34	0.21	0.11	0.26	0.27	0.25	0.27	0.49	0.84
CRMS 0258	1.17	1.25	1.20	0.40	0.07	0.00	0.01	0.05	0.05	0.01	0.70	0.79
CRMS 0224	1.15	1.24	1.20	0.50	0.05	0.01	0.01	0.00	0.09	0.08	0.63	0.72
CRMS 0163	1.29	1.25	1.21	1.19	1.23	0.60	0.08	0.13	1.00	1.26	1.38	1.37
CRMS 0162	1.26	1.24	1.21	1.19	1.25	1.16	1.30	1.12	1.33	1.44	1.33	1.36

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.44	0.45	0.96	1.14	1.18	1.29	1.22	1.20	1.11	1.13	1.09	1.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	-0.04	-0.05	-0.04	-0.03	-0.03	-0.06	0.02	0.02	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.08	0.06	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.50	0.43	1.02	1.14	1.20	1.30	0.47	0.00	0.16	0.24	0.75	0.92
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.47	0.84	0.89	0.56	0.09	0.04	0.00	-0.02	0.03	0.23	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.42	0.98	0.96	0.86	0.45	0.14	0.03	0.06	0.05	0.24	0.34
USGS 07380335 - Little Lake Near Cutoff	0.27	0.33	0.88	0.69	0.60	0.27	0.14	0.01	0.08	0.06	0.14	0.20
USGS073802516 Barataria Pass at Grand Isle	0.18	0.29	0.74	0.21	0.11	0.01	0.02	0.00	0.05	0.03	0.15	0.18
HWQ14 - Lake Washington	0.02	0.29	0.62	0.17	0.09	0.01	0.04	0.03	0.00	0.06	0.13	0.12
HWQ16 - Bayou Grand Liard	0.10	0.09	0.15	-0.07	-0.06	-0.07	-0.07	0.04	0.03	0.02	0.02	0.03
CRMS 3985	-0.10	0.33	0.57	0.32	0.18	0.05	0.14	0.01	-0.16	-0.02	0.01	-0.01
CRMS 0258	0.32	0.27	0.56	0.34	0.06	-0.01	0.01	0.03	0.02	0.00	0.12	-0.01
CRMS 0224	0.41	0.36	0.99	0.40	0.05	0.01	0.00	0.00	0.02	0.05	0.24	0.15
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.06	0.03	0.01	0.01
CRMS 0162	0.00	0.01	0.00	0.00	0.00	0.01	-0.01	0.01	0.02	0.02	0.01	0.01

Figure WQ NO3 41 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.74	0.23	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.12	0.21
CRMS0276 - Just east of Wilkinson Canal	1.02	1.29	1.23	0.82	0.42	0.11	0.13	0.21	0.51	0.46	0.57	1.22
Barataria Waterway at Lafitte (USACE82875)	1.42	1.37	1.34	1.24	0.51	0.05	0.15	0.01	0.35	0.18	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.74	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.16	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.40	0.01	0.01	0.02	0.07	0.16	0.17	0.07	0.16	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.70	0.79	0.27	0.07	0.01	0.03	0.05	0.09	0.12	0.06	0.19	0.30
USGS 07380335 - Little Lake Near Cutoff	0.74	0.89	0.37	0.16	0.03	0.03	0.10	0.22	0.28	0.16	0.24	0.51
USGS073802516 Barataria Pass at Grand Isle	0.69	0.83	0.26	0.08	0.01	0.01	0.03	0.08	0.15	0.02	0.15	0.32
HWQ14 - Lake Washington	0.70	0.69	0.24	0.01	0.01	0.02	0.08	0.18	0.18	0.07	0.16	0.14
HWQ16 - Bayou Grand Liard	0.81	1.04	0.88	0.64	0.54	0.37	0.50	0.56	0.52	0.29	0.29	0.71
CRMS 3985	0.87	0.75	0.55	0.02	0.04	0.08	0.22	0.48	0.39	0.23	0.19	0.46
CRMS 0258	0.81	0.93	0.61	0.04	0.00	0.02	0.03	0.00	0.02	0.01	0.43	0.79
CRMS 0224	0.68	0.85	0.23	0.10	0.00	0.00	0.01	0.01	0.07	0.01	0.27	0.53
CRMS 0163	1.32	1.21	1.17	1.21	1.21	0.42	0.08	0.12	0.86	0.84	1.39	1.32
CRMS 0162	1.30	1.20	1.18	1.21	1.23	1.13	1.31	1.08	1.17	1.16	1.37	1.30

V3PR2 HYST - cy 1 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.18	1.15	1.17	1.17	1.20	1.19	1.20	1.12	1.17	1.28	1.26
CRMS0276 - Just east of Wilkinson Canal	1.15	1.30	1.19	0.76	0.34	0.08	0.09	0.20	0.53	0.50	0.60	1.16
Barataria Waterway at Lafitte (USACE82875)	1.43	1.37	1.35	1.22	0.51	0.05	0.16	0.02	0.41	0.20	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.18	1.15	1.17	1.18	0.38	0.04	0.00	0.19	0.26	0.93	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.07	1.14	1.13	0.88	0.57	0.04	0.07	0.07	0.14	0.10	0.46	0.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.13	1.21	1.18	1.00	0.87	0.12	0.07	0.10	0.16	0.10	0.48	0.98
USGS 07380335 - Little Lake Near Cutoff	1.11	1.22	1.20	0.79	0.61	0.10	0.12	0.24	0.33	0.19	0.45	0.92
USGS073802516 Barataria Pass at Grand Isle	1.01	1.12	0.96	0.28	0.13	0.01	0.03	0.08	0.18	0.03	0.32	0.74
HWQ14 - Lake Washington	0.91	0.99	0.81	0.17	0.11	0.02	0.08	0.12	0.17	0.11	0.32	0.69
HWQ16 - Bayou Grand Liard	0.96	1.14	1.04	0.57	0.44	0.34	0.47	0.57	0.52	0.33	0.37	0.79
CRMS 3985	0.97	1.01	0.92	0.33	0.20	0.11	0.23	0.25	0.26	0.25	0.47	0.87
CRMS 0258	1.21	1.20	1.17	0.35	0.07	0.01	0.03	0.00	0.03	0.01	0.55	0.97
CRMS 0224	1.18	1.21	1.18	0.45	0.06	0.01	0.01	0.00	0.08	0.06	0.53	0.91
CRMS 0163	1.33	1.22	1.17	1.21	1.21	0.43	0.08	0.13	0.89	0.87	1.37	1.32
CRMS 0162	1.30	1.21	1.18	1.21	1.23	1.12	1.31	1.12	1.19	1.17	1.34	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.53	0.44	0.93	1.15	1.16	1.19	1.19	1.20	1.11	1.17	1.16	1.05
CRMS0276 - Just east of Wilkinson Canal	0.13	0.00	-0.04	-0.06	-0.08	-0.03	-0.03	-0.02	0.01	0.04	0.03	-0.06
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	-0.02	0.01	0.00	0.01	0.01	0.06	0.03	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.44	0.99	1.16	1.18	0.38	0.03	0.00	0.18	0.26	0.78	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.41	0.73	0.88	0.56	0.03	0.00	-0.09	-0.03	0.03	0.31	0.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.41	0.92	0.93	0.86	0.10	0.02	0.01	0.04	0.04	0.28	0.68
USGS 07380335 - Little Lake Near Cutoff	0.37	0.33	0.84	0.63	0.58	0.07	0.02	0.02	0.04	0.03	0.21	0.41
USGS073802516 Barataria Pass at Grand Isle	0.32	0.29	0.70	0.20	0.12	0.00	0.00	0.00	0.03	0.01	0.17	0.42
HWQ14 - Lake Washington	0.21	0.30	0.56	0.16	0.10	0.00	0.00	-0.06	-0.01	0.04	0.16	0.54
HWQ16 - Bayou Grand Liard	0.14	0.10	0.16	-0.07	-0.09	-0.03	-0.04	0.01	0.00	0.04	0.08	0.08
CRMS 3985	0.11	0.26	0.37	0.31	0.17	0.03	0.02	-0.22	-0.14	0.02	0.29	0.42
CRMS 0258	0.40	0.27	0.56	0.31	0.07	0.00	-0.01	0.00	0.01	0.00	0.12	0.18
CRMS 0224	0.51	0.36	0.95	0.35	0.06	0.00	0.00	0.00	0.01	0.04	0.26	0.38
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.03	0.03	-0.01	0.00
CRMS 0162	0.00	0.01	0.00	0.00	0.00	-0.01	0.00	0.04	0.02	0.02	-0.03	0.00

Figure WQ NO3 42 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.70	0.17	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
CRMS0276 - Just east of Wilkinson Canal	0.92	1.26	1.07	0.82	0.53	0.22	0.10	0.20	0.43	0.52	0.99	1.18
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.43	1.15	0.68	0.09	0.02	0.01	0.12	0.70	1.36	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.66	0.13	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.48	0.01	0.01	0.03	0.08	0.06	0.13	0.11	0.25	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.76	0.27	0.04	0.01	0.02	0.03	0.05	0.09	0.05	0.32	0.34
USGS 07380335 - Little Lake Near Cutoff	0.70	0.85	0.32	0.14	0.02	0.02	0.07	0.13	0.21	0.14	0.44	0.54
USGS073802516 Barataria Pass at Grand Isle	0.69	0.80	0.25	0.08	0.01	0.01	0.01	0.02	0.08	0.02	0.28	0.36
HWQ14 - Lake Washington	0.73	0.69	0.32	0.01	0.01	0.01	0.04	0.05	0.13	0.05	0.22	0.21
HWQ16 - Bayou Grand Liard	0.77	0.99	0.76	0.61	0.52	0.37	0.30	0.14	0.35	0.35	0.57	0.75
CRMS 3985	0.90	0.76	0.75	0.08	0.02	0.12	0.32	0.28	0.34	0.38	0.27	0.55
CRMS 0258	0.60	0.83	0.29	0.09	0.01	0.00	0.00	0.00	0.02	0.00	0.54	0.75
CRMS 0224	0.62	0.78	0.17	0.10	0.00	0.00	0.01	0.01	0.06	0.01	0.35	0.47
CRMS 0163	1.38	1.30	1.35	1.33	1.15	0.34	0.03	0.08	0.62	1.22	1.38	1.35
CRMS 0162	1.37	1.29	1.34	1.32	1.20	1.02	1.22	0.91	0.82	1.36	1.35	1.34

V3PR2 HYST - cy 1 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.27	1.31	1.20	1.25	1.20	1.28	1.26	1.11	1.14	1.22	1.26
CRMS0276 - Just east of Wilkinson Canal	0.99	1.26	1.04	0.82	0.50	0.21	0.09	0.20	0.46	0.56	1.00	1.17
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.46	1.16	0.68	0.10	0.02	0.01	0.14	0.73	1.37	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.25	1.21	0.72	1.00	0.01	0.03	0.00	0.13	0.26	0.87	1.09
USGS7380251 Barataria Bay North of Grand Isle	0.95	1.03	0.84	0.35	0.30	0.02	0.06	0.06	0.12	0.08	0.48	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.93	1.12	0.78	0.39	0.48	0.03	0.06	0.08	0.13	0.08	0.49	0.83
USGS 07380335 - Little Lake Near Cutoff	0.89	1.09	0.63	0.39	0.30	0.03	0.09	0.17	0.26	0.18	0.53	0.80
USGS073802516 Barataria Pass at Grand Isle	0.85	0.98	0.42	0.18	0.02	0.01	0.02	0.04	0.13	0.03	0.36	0.66
HWQ14 - Lake Washington	0.84	0.84	0.39	0.06	0.02	0.02	0.06	0.09	0.17	0.08	0.30	0.62
HWQ16 - Bayou Grand Liard	0.80	1.03	0.75	0.63	0.42	0.36	0.33	0.18	0.38	0.36	0.59	0.78
CRMS 3985	0.92	0.82	0.56	0.14	0.10	0.09	0.19	0.24	0.30	0.27	0.47	0.82
CRMS 0258	0.93	1.05	0.42	0.05	0.02	0.00	0.00	0.00	0.02	0.00	0.60	0.84
CRMS 0224	0.95	1.09	0.45	0.20	0.01	0.00	0.01	0.00	0.07	0.04	0.51	0.71
CRMS 0163	1.38	1.31	1.37	1.34	1.16	0.34	0.03	0.08	0.64	1.24	1.36	1.35
CRMS 0162	1.37	1.30	1.36	1.31	1.19	1.03	1.25	0.88	0.86	1.39	1.33	1.34

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.57	1.14	1.19	1.24	1.20	1.27	1.26	1.10	1.14	1.03	1.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.00	-0.03	0.00	-0.04	-0.01	-0.01	0.00	0.03	0.04	0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.03	0.02	0.00	0.01	0.01	0.00	0.02	0.04	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.59	1.09	0.71	1.00	0.00	0.02	0.00	0.12	0.25	0.68	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.31	0.36	0.33	0.29	-0.01	-0.02	-0.01	0.00	-0.03	0.23	0.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.24	0.36	0.51	0.34	0.47	0.02	0.02	0.03	0.03	0.03	0.18	0.49
USGS 07380335 - Little Lake Near Cutoff	0.18	0.24	0.31	0.24	0.28	0.01	0.02	0.04	0.04	0.04	0.09	0.26
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.16	0.10	0.01	0.00	0.00	0.02	0.05	0.01	0.08	0.30
HWQ14 - Lake Washington	0.11	0.14	0.08	0.05	0.02	0.00	0.02	0.04	0.04	0.02	0.08	0.42
HWQ16 - Bayou Grand Liard	0.04	0.04	0.00	0.02	-0.10	-0.01	0.03	0.05	0.03	0.01	0.02	0.03
CRMS 3985	0.02	0.06	-0.19	0.07	0.08	-0.03	-0.13	-0.04	-0.04	-0.11	0.20	0.27
CRMS 0258	0.33	0.23	0.13	-0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.06	0.09
CRMS 0224	0.33	0.31	0.27	0.10	0.00	0.00	0.00	0.00	0.01	0.03	0.16	0.23
CRMS 0163	0.00	0.01	0.02	0.00	0.01	-0.01	0.00	0.00	0.02	0.03	-0.02	0.00
CRMS 0162	0.00	0.01	0.01	0.00	-0.01	0.01	0.02	-0.02	0.04	0.03	-0.02	0.00

Figure WQ NO3 43 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.86	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.07	1.30	1.10	0.82	0.45	0.25	0.15	0.24	0.67	0.55	0.66	1.00
Barataria Waterway at Lafitte (USACE82875)	1.39	1.34	1.42	1.22	0.50	0.26	0.53	0.23	0.60	0.53	1.01	1.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.85	0.21	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.51	0.01	0.01	0.02	0.06	0.07	0.18	0.10	0.28	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.92	0.35	0.07	0.01	0.03	0.06	0.09	0.12	0.08	0.28	0.49
USGS 07380335 - Little Lake Near Cutoff	0.83	0.99	0.41	0.17	0.03	0.05	0.14	0.26	0.28	0.20	0.35	0.55
USGS073802516 Barataria Pass at Grand Isle	0.81	0.93	0.32	0.09	0.01	0.01	0.04	0.09	0.17	0.03	0.21	0.46
HWQ14 - Lake Washington	0.83	0.86	0.35	0.01	0.01	0.02	0.09	0.11	0.18	0.10	0.23	0.54
HWQ16 - Bayou Grand Liard	0.91	1.09	0.85	0.66	0.50	0.48	0.61	0.72	0.61	0.42	0.37	0.61
CRMS 3985	1.03	0.99	0.63	0.03	0.04	0.09	0.20	0.23	0.40	0.29	0.48	0.90
CRMS 0258	0.84	1.00	0.64	0.04	0.00	0.00	0.00	0.00	0.09	0.01	0.58	0.76
CRMS 0224	0.75	0.94	0.26	0.10	0.00	0.00	0.01	0.01	0.05	0.03	0.36	0.53
CRMS 0163	1.26	1.18	1.25	1.25	1.20	0.77	0.29	0.18	1.10	1.16	1.34	1.36
CRMS 0162	1.24	1.18	1.25	1.23	1.27	1.20	1.33	1.25	1.32	1.40	1.31	1.37

V3PR2 HYST - cy 1 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.30	1.19	1.08	1.14	1.33	1.30
CRMS0276 - Just east of Wilkinson Canal	1.17	1.31	1.00	0.77	0.34	0.22	0.16	0.18	0.70	0.59	0.77	1.02
Barataria Waterway at Lafitte (USACE82875)	1.40	1.35	1.42	1.19	0.51	0.26	0.53	0.24	0.67	0.61	1.04	1.26
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.15	1.22	1.19	1.23	1.28	1.31	0.70	0.15	0.22	0.98	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.11	1.15	1.17	0.84	0.60	0.17	0.18	0.10	0.13	0.10	0.51	0.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.20	1.22	0.95	0.76	0.66	0.71	0.34	0.18	0.12	0.56	0.86
USGS 07380335 - Little Lake Near Cutoff	1.13	1.24	1.20	0.71	0.59	0.47	0.58	0.43	0.38	0.24	0.57	0.79
USGS073802516 Barataria Pass at Grand Isle	1.04	1.16	0.91	0.25	0.08	0.03	0.13	0.11	0.19	0.07	0.41	0.68
HWQ14 - Lake Washington	0.95	1.04	0.80	0.16	0.08	0.04	0.14	0.17	0.17	0.11	0.36	0.67
HWQ16 - Bayou Grand Liard	0.98	1.17	0.95	0.56	0.43	0.40	0.52	0.62	0.64	0.46	0.47	0.67
CRMS 3985	1.01	1.02	0.91	0.33	0.21	0.13	0.27	0.30	0.21	0.22	0.47	0.89
CRMS 0258	1.19	1.25	1.19	0.25	0.04	0.00	0.01	0.01	0.22	0.08	0.75	0.84
CRMS 0224	1.18	1.23	1.15	0.42	0.02	0.02	0.07	0.01	0.07	0.07	0.65	0.75
CRMS 0163	1.27	1.18	1.25	1.25	1.21	0.76	0.30	0.19	1.18	1.20	1.37	1.36
CRMS 0162	1.25	1.18	1.25	1.24	1.27	1.21	1.34	1.27	1.36	1.44	1.34	1.37

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.30	0.92	1.19	1.22	1.26	1.30	1.19	1.07	1.13	1.16	1.08
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	-0.11	-0.05	-0.11	-0.03	0.01	-0.06	0.03	0.04	0.11	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.03	0.01	0.00	-0.01	0.02	0.07	0.08	0.03	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.48	0.30	1.00	1.18	1.22	1.27	1.31	0.70	0.14	0.22	0.77	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.23	0.66	0.83	0.59	0.15	0.12	0.04	-0.05	0.01	0.23	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.29	0.87	0.88	0.75	0.63	0.64	0.24	0.06	0.04	0.28	0.37
USGS 07380335 - Little Lake Near Cutoff	0.30	0.24	0.79	0.53	0.56	0.41	0.44	0.17	0.10	0.05	0.21	0.24
USGS073802516 Barataria Pass at Grand Isle	0.24	0.23	0.59	0.16	0.08	0.02	0.09	0.02	0.02	0.03	0.20	0.21
HWQ14 - Lake Washington	0.12	0.18	0.44	0.16	0.07	0.02	0.05	0.06	-0.01	0.01	0.12	0.13
HWQ16 - Bayou Grand Liard	0.08	0.08	0.10	-0.10	-0.07	-0.08	-0.09	-0.10	0.03	0.04	0.10	0.06
CRMS 3985	-0.02	0.03	0.28	0.30	0.17	0.04	0.07	0.07	-0.19	-0.07	-0.02	-0.01
CRMS 0258	0.35	0.25	0.55	0.21	0.04	-0.01	0.01	0.01	0.13	0.07	0.16	0.08
CRMS 0224	0.43	0.29	0.89	0.32	0.02	0.02	0.06	0.00	0.02	0.05	0.30	0.22
CRMS 0163	0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.08	0.04	0.02	0.00
CRMS 0162	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.04	0.03	0.03	0.00

Figure WQ NO3 44 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.81	0.35	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.13	0.25
CRMS0276 - Just east of Wilkinson Canal	1.06	1.24	1.24	0.94	0.88	0.18	0.13	0.52	0.81	0.58	0.46	1.20
Barataria Waterway at Lafitte (USACE82875)	1.45	1.51	1.38	1.33	1.14	0.20	0.25	0.05	0.39	0.27	1.07	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.82	0.26	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.90	0.91	0.62	0.01	0.01	0.02	0.06	0.07	0.18	0.11	0.16	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.88	0.40	0.09	0.02	0.03	0.05	0.09	0.13	0.07	0.18	0.36
USGS 07380335 - Little Lake Near Cutoff	0.82	0.92	0.46	0.23	0.09	0.05	0.11	0.25	0.33	0.19	0.22	0.53
USGS073802516 Barataria Pass at Grand Isle	0.78	0.88	0.36	0.11	0.03	0.01	0.03	0.09	0.18	0.03	0.13	0.37
HWQ14 - Lake Washington	0.80	0.86	0.44	0.01	0.01	0.02	0.08	0.10	0.18	0.10	0.14	0.29
HWQ16 - Bayou Grand Liard	0.88	0.98	0.85	0.73	0.72	0.46	0.57	0.70	0.61	0.39	0.24	0.75
CRMS 3985	1.03	0.97	0.83	0.07	0.04	0.08	0.20	0.24	0.38	0.33	0.24	0.73
CRMS 0258	0.85	0.89	0.77	0.11	0.00	0.00	0.00	0.01	0.22	0.17	0.48	0.82
CRMS 0224	0.77	0.87	0.33	0.13	0.00	0.00	0.01	0.00	0.14	0.04	0.27	0.55
CRMS 0163	1.35	1.42	1.23	1.24	1.15	1.16	0.18	0.17	0.94	1.01	1.38	1.24
CRMS 0162	1.31	1.36	1.23	1.23	1.15	1.22	1.34	1.21	1.30	1.24	1.35	1.22

V3PR2 HYST - cy 1 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.30	1.33	1.20	1.19	1.09	1.19	1.30	1.13	1.10	1.17	1.31	1.20
CRMS0276 - Just east of Wilkinson Canal	1.21	1.26	1.19	0.88	0.63	0.15	0.11	0.13	0.59	0.54	0.56	1.24
Barataria Waterway at Lafitte (USACE82875)	1.46	1.51	1.39	1.33	1.13	0.19	0.23	0.06	0.48	0.33	1.07	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.24	1.29	1.19	1.19	1.11	1.21	1.31	0.09	0.15	0.24	0.98	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.05	1.04	1.11	0.93	0.77	0.14	0.15	0.07	0.13	0.10	0.50	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.10	1.16	1.04	0.96	0.71	0.60	0.13	0.17	0.11	0.52	1.18
USGS 07380335 - Little Lake Near Cutoff	1.12	1.09	1.15	0.87	0.83	0.48	0.46	0.29	0.36	0.21	0.49	1.15
USGS073802516 Barataria Pass at Grand Isle	1.04	1.01	0.92	0.32	0.22	0.03	0.07	0.04	0.17	0.05	0.36	0.94
HWQ14 - Lake Washington	0.93	0.94	0.82	0.24	0.17	0.04	0.11	0.13	0.16	0.11	0.33	0.78
HWQ16 - Bayou Grand Liard	0.97	1.02	0.98	0.68	0.64	0.36	0.46	0.61	0.60	0.41	0.34	0.91
CRMS 3985	0.99	1.04	0.98	0.40	0.28	0.12	0.25	0.29	0.20	0.23	0.45	0.91
CRMS 0258	1.34	1.17	1.11	0.48	0.11	0.00	0.01	0.04	0.23	0.04	0.70	1.18
CRMS 0224	1.24	1.13	1.08	0.62	0.11	0.04	0.04	0.00	0.07	0.05	0.60	1.15
CRMS 0163	1.36	1.42	1.24	1.24	1.15	1.14	0.16	0.17	1.00	1.06	1.37	1.25
CRMS 0162	1.31	1.35	1.24	1.23	1.15	1.21	1.34	1.20	1.34	1.31	1.34	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.55	0.52	0.85	1.18	1.09	1.19	1.29	1.13	1.08	1.17	1.18	0.95
CRMS0276 - Just east of Wilkinson Canal	0.14	0.01	-0.05	-0.06	-0.25	-0.04	-0.02	-0.39	-0.23	-0.04	0.11	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.01	0.00	-0.01	-0.01	-0.02	0.01	0.10	0.06	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.50	0.48	0.93	1.18	1.10	1.20	1.31	0.08	0.14	0.24	0.80	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.48	0.92	0.76	0.12	0.09	0.00	-0.05	-0.01	0.34	0.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.22	0.76	0.95	0.94	0.68	0.54	0.05	0.03	0.03	0.34	0.82
USGS 07380335 - Little Lake Near Cutoff	0.29	0.17	0.69	0.64	0.75	0.43	0.35	0.04	0.03	0.02	0.27	0.62
USGS073802516 Barataria Pass at Grand Isle	0.25	0.13	0.56	0.21	0.18	0.02	0.05	-0.05	-0.01	0.02	0.23	0.57
HWQ14 - Lake Washington	0.13	0.09	0.38	0.24	0.16	0.02	0.03	0.03	-0.02	0.01	0.19	0.49
HWQ16 - Bayou Grand Liard	0.09	0.04	0.12	-0.05	-0.08	-0.10	-0.10	-0.09	-0.01	0.01	0.10	0.16
CRMS 3985	-0.04	0.07	0.15	0.34	0.24	0.04	0.05	0.05	-0.18	-0.10	0.22	0.18
CRMS 0258	0.49	0.28	0.34	0.37	0.10	0.00	0.01	0.03	0.01	-0.13	0.23	0.36
CRMS 0224	0.47	0.26	0.75	0.49	0.10	0.03	0.04	0.00	-0.08	0.01	0.33	0.60
CRMS 0163	0.01	0.00	0.01	0.00	0.00	-0.01	-0.03	-0.01	0.06	0.05	-0.01	0.01
CRMS 0162	0.00	-0.01	0.01	0.00	0.00	0.00	0.00	-0.01	0.04	0.06	-0.01	0.01

Figure WQ NO3 45 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.76	0.22	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.05	1.30	1.24	0.86	0.37	0.14	0.12	0.23	0.56	0.60	0.96	1.13
Barataria Waterway at Lafitte (USACE82875)	1.39	1.39	1.38	1.33	0.42	0.11	0.11	0.01	0.46	0.70	1.34	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.78	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.87	0.67	0.30	0.01	0.01	0.01	0.04	0.08	0.17	0.08	0.28	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.81	0.22	0.06	0.01	0.02	0.05	0.07	0.11	0.06	0.32	0.51
USGS 07380335 - Little Lake Near Cutoff	0.80	0.91	0.34	0.17	0.02	0.03	0.11	0.22	0.27	0.18	0.46	0.63
USGS073802516 Barataria Pass at Grand Isle	0.78	0.84	0.22	0.08	0.01	0.01	0.02	0.07	0.13	0.03	0.28	0.51
HWQ14 - Lake Washington	0.79	0.68	0.17	0.01	0.01	0.01	0.05	0.07	0.17	0.07	0.23	0.54
HWQ16 - Bayou Grand Liard	0.84	1.05	0.88	0.69	0.49	0.40	0.54	0.49	0.52	0.43	0.57	0.75
CRMS 3985	0.92	0.61	0.32	0.02	0.02	0.06	0.12	0.26	0.41	0.29	0.49	0.85
CRMS 0258	0.85	0.97	0.64	0.06	0.00	0.00	0.00	0.01	0.03	0.01	0.58	0.80
CRMS 0224	0.74	0.88	0.21	0.10	0.00	0.00	0.01	0.01	0.07	0.02	0.39	0.57
CRMS 0163	1.28	1.24	1.21	1.19	1.23	0.61	0.08	0.14	0.94	1.23	1.37	1.36
CRMS 0162	1.26	1.23	1.21	1.19	1.25	1.15	1.32	1.11	1.31	1.42	1.32	1.35

V3PR3 HYST - cy 1 - 1975 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.21	1.18	1.15	1.19	1.30	1.24	1.22	1.15	1.14	1.26	1.27
CRMS0276 - Just east of Wilkinson Canal	1.15	1.30	1.20	0.81	0.33	0.11	0.09	0.17	0.58	0.61	0.99	1.17
Barataria Waterway at Lafitte (USACE82875)	1.38	1.39	1.37	1.32	0.41	0.10	0.11	0.01	0.52	0.75	1.37	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.20	1.18	1.16	1.20	1.31	0.46	0.00	0.13	0.13	0.89	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.08	1.16	1.15	0.91	0.59	0.11	0.09	0.08	0.15	0.11	0.50	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.23	1.21	1.02	0.86	0.46	0.19	0.10	0.17	0.11	0.56	0.85
USGS 07380335 - Little Lake Near Cutoff	1.09	1.25	1.22	0.85	0.62	0.29	0.25	0.22	0.34	0.23	0.59	0.82
USGS073802516 Barataria Pass at Grand Isle	0.99	1.15	0.97	0.28	0.12	0.02	0.05	0.07	0.18	0.05	0.42	0.69
HWQ14 - Lake Washington	0.90	1.02	0.82	0.19	0.10	0.03	0.09	0.11	0.17	0.12	0.34	0.65
HWQ16 - Bayou Grand Liard	0.96	1.14	1.04	0.62	0.42	0.33	0.48	0.52	0.53	0.44	0.60	0.79
CRMS 3985	0.99	1.00	0.92	0.36	0.21	0.11	0.25	0.26	0.25	0.27	0.47	0.85
CRMS 0258	1.17	1.25	1.19	0.38	0.05	0.00	0.01	0.04	0.04	0.01	0.70	0.80
CRMS 0224	1.14	1.24	1.19	0.48	0.04	0.01	0.01	0.00	0.09	0.07	0.62	0.72
CRMS 0163	1.28	1.25	1.21	1.19	1.23	0.58	0.07	0.14	0.99	1.25	1.38	1.36
CRMS 0162	1.26	1.24	1.21	1.19	1.25	1.14	1.30	1.12	1.33	1.44	1.33	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.44	0.45	0.96	1.14	1.18	1.29	1.23	1.22	1.14	1.13	1.09	1.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	-0.04	-0.05	-0.05	-0.03	-0.03	-0.07	0.02	0.01	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.06	0.05	0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.50	0.43	1.02	1.15	1.20	1.31	0.45	0.00	0.12	0.13	0.70	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.49	0.85	0.91	0.58	0.10	0.04	0.00	-0.02	0.03	0.22	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.34	0.43	0.98	0.96	0.85	0.44	0.14	0.03	0.06	0.05	0.24	0.34
USGS 07380335 - Little Lake Near Cutoff	0.29	0.33	0.88	0.68	0.59	0.26	0.14	0.00	0.08	0.05	0.14	0.19
USGS073802516 Barataria Pass at Grand Isle	0.21	0.31	0.75	0.20	0.11	0.01	0.02	0.00	0.05	0.03	0.14	0.18
HWQ14 - Lake Washington	0.11	0.34	0.65	0.18	0.09	0.01	0.04	0.03	0.00	0.05	0.12	0.11
HWQ16 - Bayou Grand Liard	0.11	0.10	0.16	-0.07	-0.07	-0.07	-0.06	0.03	0.02	0.01	0.03	0.04
CRMS 3985	0.07	0.38	0.60	0.34	0.18	0.05	0.13	0.00	-0.15	-0.02	-0.02	0.00
CRMS 0258	0.32	0.27	0.55	0.31	0.05	-0.01	0.01	0.03	0.01	0.00	0.12	0.00
CRMS 0224	0.41	0.36	0.98	0.37	0.04	0.01	0.00	0.00	0.02	0.05	0.24	0.15
CRMS 0163	0.00	0.01	0.00	0.00	0.00	-0.03	0.00	0.00	0.05	0.02	0.01	0.00
CRMS 0162	0.00	0.01	0.00	0.00	0.00	-0.02	-0.01	0.02	0.02	0.02	0.01	0.00

Figure WQ NO3 46 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.74	0.23	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.12	0.21
CRMS0276 - Just east of Wilkinson Canal	1.02	1.29	1.23	0.82	0.42	0.11	0.13	0.21	0.51	0.46	0.57	1.22
Barataria Waterway at Lafitte (USACE82875)	1.42	1.37	1.34	1.24	0.51	0.05	0.15	0.01	0.35	0.18	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.74	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.16	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.40	0.01	0.01	0.02	0.07	0.16	0.17	0.07	0.16	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.70	0.79	0.27	0.07	0.01	0.03	0.05	0.09	0.12	0.06	0.19	0.30
USGS 07380335 - Little Lake Near Cutoff	0.74	0.89	0.37	0.16	0.03	0.03	0.10	0.22	0.28	0.16	0.24	0.51
USGS073802516 Barataria Pass at Grand Isle	0.69	0.83	0.26	0.08	0.01	0.01	0.03	0.08	0.15	0.02	0.15	0.32
HWQ14 - Lake Washington	0.70	0.69	0.24	0.01	0.01	0.02	0.08	0.18	0.18	0.07	0.16	0.14
HWQ16 - Bayou Grand Liard	0.81	1.04	0.88	0.64	0.54	0.37	0.50	0.56	0.52	0.29	0.29	0.71
CRMS 3985	0.87	0.75	0.55	0.02	0.04	0.08	0.22	0.48	0.39	0.23	0.19	0.46
CRMS 0258	0.81	0.93	0.61	0.04	0.00	0.02	0.03	0.00	0.02	0.01	0.43	0.79
CRMS 0224	0.68	0.85	0.23	0.10	0.00	0.00	0.01	0.01	0.07	0.01	0.27	0.53
CRMS 0163	1.32	1.21	1.17	1.21	1.21	0.42	0.08	0.12	0.86	0.84	1.39	1.32
CRMS 0162	1.30	1.20	1.18	1.21	1.23	1.13	1.31	1.08	1.17	1.16	1.37	1.30

V3PR3 HYST - cy 1 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.18	1.15	1.17	1.17	1.21	1.20	1.21	1.16	1.19	1.28	1.26
CRMS0276 - Just east of Wilkinson Canal	1.14	1.29	1.19	0.77	0.35	0.08	0.09	0.20	0.53	0.50	0.61	1.20
Barataria Waterway at Lafitte (USACE82875)	1.43	1.37	1.35	1.22	0.51	0.06	0.16	0.03	0.40	0.20	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.18	1.15	1.18	1.19	0.38	0.01	0.00	0.14	0.13	0.88	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.07	1.14	1.12	0.89	0.59	0.05	0.07	0.07	0.14	0.10	0.47	0.95
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.13	1.20	1.18	0.99	0.87	0.12	0.08	0.11	0.16	0.10	0.48	0.98
USGS 07380335 - Little Lake Near Cutoff	1.10	1.22	1.20	0.78	0.61	0.11	0.13	0.24	0.33	0.20	0.45	0.92
USGS073802516 Barataria Pass at Grand Isle	1.01	1.11	0.94	0.28	0.13	0.01	0.03	0.08	0.18	0.04	0.33	0.74
HWQ14 - Lake Washington	0.91	0.99	0.77	0.17	0.11	0.02	0.08	0.12	0.17	0.11	0.32	0.69
HWQ16 - Bayou Grand Liard	0.93	1.13	1.04	0.57	0.44	0.34	0.47	0.57	0.52	0.33	0.36	0.79
CRMS 3985	0.97	1.00	0.87	0.33	0.21	0.11	0.24	0.25	0.24	0.25	0.47	0.87
CRMS 0258	1.21	1.20	1.17	0.32	0.06	0.02	0.03	0.00	0.03	0.01	0.56	0.98
CRMS 0224	1.18	1.21	1.17	0.43	0.05	0.01	0.01	0.00	0.08	0.06	0.53	0.92
CRMS 0163	1.32	1.22	1.17	1.21	1.21	0.43	0.08	0.13	0.89	0.86	1.38	1.32
CRMS 0162	1.30	1.21	1.18	1.21	1.23	1.12	1.32	1.12	1.18	1.18	1.35	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.44	0.93	1.15	1.16	1.20	1.20	1.21	1.15	1.18	1.16	1.05
CRMS0276 - Just east of Wilkinson Canal	0.11	0.00	-0.04	-0.06	-0.07	-0.03	-0.03	-0.01	0.01	0.04	0.04	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.00	-0.02	0.01	0.00	0.01	0.01	0.06	0.02	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.59	0.44	0.99	1.17	1.18	0.37	0.00	0.00	0.13	0.13	0.72	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.41	0.72	0.88	0.58	0.03	0.00	-0.09	-0.04	0.03	0.31	0.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.41	0.91	0.93	0.86	0.10	0.02	0.01	0.05	0.04	0.29	0.68
USGS 07380335 - Little Lake Near Cutoff	0.36	0.32	0.83	0.62	0.57	0.07	0.02	0.02	0.05	0.04	0.21	0.41
USGS073802516 Barataria Pass at Grand Isle	0.32	0.29	0.69	0.21	0.12	0.00	0.00	0.00	0.03	0.02	0.18	0.42
HWQ14 - Lake Washington	0.21	0.30	0.53	0.16	0.10	0.00	0.00	-0.06	-0.01	0.05	0.17	0.54
HWQ16 - Bayou Grand Liard	0.11	0.09	0.15	-0.07	-0.10	-0.03	-0.03	0.01	0.00	0.04	0.07	0.08
CRMS 3985	0.10	0.25	0.32	0.30	0.17	0.03	0.02	-0.22	-0.15	0.03	0.28	0.41
CRMS 0258	0.40	0.27	0.56	0.28	0.06	0.00	-0.01	0.00	0.00	0.00	0.12	0.19
CRMS 0224	0.50	0.36	0.95	0.33	0.05	0.00	0.00	0.00	0.01	0.05	0.26	0.39
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.02	-0.01	0.00
CRMS 0162	0.00	0.01	0.00	0.00	0.00	-0.02	0.00	0.04	0.01	0.03	-0.02	0.00

Figure WQ NO3 47 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.70	0.17	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
CRMS0276 - Just east of Wilkinson Canal	0.92	1.26	1.07	0.82	0.53	0.22	0.10	0.20	0.43	0.52	0.99	1.18
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.43	1.15	0.68	0.09	0.02	0.01	0.12	0.70	1.36	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.66	0.13	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.48	0.01	0.01	0.03	0.08	0.06	0.13	0.11	0.25	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.76	0.27	0.04	0.01	0.02	0.03	0.05	0.09	0.05	0.32	0.34
USGS 07380335 - Little Lake Near Cutoff	0.70	0.85	0.32	0.14	0.02	0.02	0.07	0.13	0.21	0.14	0.44	0.54
USGS073802516 Barataria Pass at Grand Isle	0.69	0.80	0.25	0.08	0.01	0.01	0.01	0.02	0.08	0.02	0.28	0.36
HWQ14 - Lake Washington	0.73	0.69	0.32	0.01	0.01	0.01	0.04	0.05	0.13	0.05	0.22	0.21
HWQ16 - Bayou Grand Liard	0.77	0.99	0.76	0.61	0.52	0.37	0.30	0.14	0.35	0.35	0.57	0.75
CRMS 3985	0.90	0.76	0.75	0.08	0.02	0.12	0.32	0.28	0.34	0.38	0.27	0.55
CRMS 0258	0.60	0.83	0.29	0.09	0.01	0.00	0.00	0.00	0.02	0.00	0.54	0.75
CRMS 0224	0.62	0.78	0.17	0.10	0.00	0.00	0.01	0.01	0.06	0.01	0.35	0.47
CRMS 0163	1.38	1.30	1.35	1.33	1.15	0.34	0.03	0.08	0.62	1.22	1.38	1.35
CRMS 0162	1.37	1.29	1.34	1.32	1.20	1.02	1.22	0.91	0.82	1.36	1.35	1.34

V3PR3 HYST - cy 1 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.27	1.31	1.21	1.25	1.21	1.30	1.28	1.15	1.15	1.22	1.27
CRMS0276 - Just east of Wilkinson Canal	0.97	1.25	1.01	0.82	0.47	0.21	0.09	0.19	0.45	0.56	0.99	1.17
Barataria Waterway at Lafitte (USACE82875)	1.43	1.41	1.44	1.15	0.65	0.10	0.02	0.01	0.14	0.73	1.35	1.48
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.25	1.19	0.57	1.01	0.00	0.01	0.00	0.08	0.14	0.81	1.08
USGS7380251 Barataria Bay North of Grand Isle	0.78	0.99	0.81	0.35	0.31	0.02	0.05	0.06	0.12	0.08	0.48	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.84	1.09	0.75	0.38	0.49	0.04	0.06	0.08	0.13	0.08	0.49	0.82
USGS 07380335 - Little Lake Near Cutoff	0.83	1.05	0.59	0.38	0.30	0.03	0.09	0.16	0.26	0.17	0.53	0.79
USGS073802516 Barataria Pass at Grand Isle	0.76	0.92	0.38	0.18	0.02	0.01	0.02	0.04	0.13	0.03	0.35	0.65
HWQ14 - Lake Washington	0.67	0.75	0.35	0.05	0.02	0.02	0.06	0.09	0.16	0.07	0.29	0.61
HWQ16 - Bayou Grand Liard	0.79	1.01	0.74	0.63	0.41	0.35	0.32	0.16	0.37	0.36	0.58	0.78
CRMS 3985	0.67	0.75	0.50	0.14	0.11	0.08	0.18	0.23	0.29	0.26	0.46	0.75
CRMS 0258	0.91	1.04	0.39	0.05	0.01	0.00	0.00	0.00	0.02	0.01	0.59	0.84
CRMS 0224	0.90	1.06	0.41	0.20	0.01	0.00	0.01	0.00	0.06	0.03	0.51	0.71
CRMS 0163	1.38	1.31	1.37	1.33	1.12	0.35	0.03	0.08	0.65	1.25	1.36	1.36
CRMS 0162	1.38	1.30	1.36	1.31	1.19	1.02	1.25	0.90	0.86	1.39	1.33	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.57	1.14	1.20	1.24	1.20	1.29	1.27	1.14	1.15	1.03	1.07
CRMS0276 - Just east of Wilkinson Canal	0.06	-0.01	-0.06	0.00	-0.06	-0.02	-0.01	-0.01	0.02	0.03	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.01	0.00	-0.02	0.01	0.01	0.00	0.02	0.04	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.62	0.60	1.07	0.56	1.00	0.00	0.00	0.00	0.07	0.13	0.62	0.88
USGS7380251 Barataria Bay North of Grand Isle	-0.03	0.26	0.33	0.34	0.30	-0.01	-0.02	-0.01	-0.01	-0.03	0.23	0.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.32	0.47	0.34	0.49	0.02	0.02	0.03	0.04	0.03	0.18	0.48
USGS 07380335 - Little Lake Near Cutoff	0.12	0.21	0.27	0.24	0.28	0.01	0.02	0.03	0.04	0.03	0.09	0.26
USGS073802516 Barataria Pass at Grand Isle	0.08	0.12	0.12	0.10	0.01	0.00	0.00	0.01	0.04	0.01	0.07	0.30
HWQ14 - Lake Washington	-0.06	0.06	0.03	0.05	0.02	0.00	0.01	0.04	0.03	0.02	0.07	0.40
HWQ16 - Bayou Grand Liard	0.02	0.02	-0.02	0.02	-0.11	-0.02	0.03	0.03	0.02	0.01	0.02	0.03
CRMS 3985	-0.22	-0.01	-0.24	0.06	0.09	-0.03	-0.14	-0.05	-0.05	-0.12	0.19	0.20
CRMS 0258	0.31	0.21	0.10	-0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.08
CRMS 0224	0.28	0.28	0.24	0.10	0.00	0.00	0.00	0.00	0.00	0.02	0.15	0.24
CRMS 0163	0.01	0.01	0.02	0.00	-0.03	0.01	0.00	0.00	0.02	0.04	-0.02	0.01
CRMS 0162	0.00	0.01	0.01	-0.01	-0.01	0.00	0.02	-0.01	0.03	0.03	-0.02	0.02

Figure WQ NO3 48 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.86	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.07	1.30	1.10	0.82	0.45	0.25	0.15	0.24	0.67	0.55	0.66	1.00
Barataria Waterway at Lafitte (USACE82875)	1.39	1.34	1.42	1.22	0.50	0.26	0.53	0.23	0.60	0.53	1.01	1.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.85	0.21	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.51	0.01	0.01	0.02	0.06	0.07	0.18	0.10	0.28	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.92	0.35	0.07	0.01	0.03	0.06	0.09	0.12	0.08	0.28	0.49
USGS 07380335 - Little Lake Near Cutoff	0.83	0.99	0.41	0.17	0.03	0.05	0.14	0.26	0.28	0.20	0.35	0.55
USGS073802516 Barataria Pass at Grand Isle	0.81	0.93	0.32	0.09	0.01	0.01	0.04	0.09	0.17	0.03	0.21	0.46
HWQ14 - Lake Washington	0.83	0.86	0.35	0.01	0.01	0.02	0.09	0.11	0.18	0.10	0.23	0.54
HWQ16 - Bayou Grand Liard	0.91	1.09	0.85	0.66	0.50	0.48	0.61	0.72	0.61	0.42	0.37	0.61
CRMS 3985	1.03	0.99	0.63	0.03	0.04	0.09	0.20	0.23	0.40	0.29	0.48	0.90
CRMS 0258	0.84	1.00	0.64	0.04	0.00	0.00	0.00	0.00	0.09	0.01	0.58	0.76
CRMS 0224	0.75	0.94	0.26	0.10	0.00	0.00	0.01	0.01	0.05	0.03	0.36	0.53
CRMS 0163	1.26	1.18	1.25	1.25	1.20	0.77	0.29	0.18	1.10	1.16	1.34	1.36
CRMS 0162	1.24	1.18	1.25	1.23	1.27	1.20	1.33	1.25	1.32	1.40	1.31	1.37

V3PR3 HYST - cy 1 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.30	1.20	1.12	1.15	1.33	1.30
CRMS0276 - Just east of Wilkinson Canal	1.14	1.31	0.99	0.76	0.33	0.22	0.16	0.18	0.69	0.58	0.76	1.01
Barataria Waterway at Lafitte (USACE82875)	1.39	1.34	1.41	1.17	0.49	0.25	0.49	0.22	0.65	0.59	1.02	1.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.15	1.22	1.19	1.23	1.29	1.32	0.70	0.11	0.12	0.92	1.11
USGS7380251 Barataria Bay North of Grand Isle	1.11	1.15	1.17	0.86	0.62	0.19	0.19	0.10	0.13	0.10	0.51	0.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.20	1.21	0.96	0.77	0.64	0.71	0.34	0.18	0.12	0.56	0.85
USGS 07380335 - Little Lake Near Cutoff	1.12	1.23	1.19	0.71	0.60	0.45	0.57	0.42	0.37	0.24	0.56	0.78
USGS073802516 Barataria Pass at Grand Isle	1.03	1.16	0.91	0.24	0.08	0.03	0.12	0.10	0.18	0.06	0.40	0.67
HWQ14 - Lake Washington	0.94	1.03	0.79	0.16	0.08	0.04	0.14	0.16	0.17	0.10	0.35	0.66
HWQ16 - Bayou Grand Liard	0.95	1.17	0.94	0.54	0.42	0.40	0.52	0.59	0.63	0.46	0.47	0.66
CRMS 3985	1.00	1.01	0.91	0.33	0.22	0.13	0.27	0.30	0.20	0.22	0.46	0.88
CRMS 0258	1.19	1.25	1.19	0.21	0.03	0.00	0.01	0.01	0.22	0.07	0.74	0.85
CRMS 0224	1.18	1.23	1.14	0.39	0.02	0.02	0.06	0.00	0.07	0.07	0.64	0.75
CRMS 0163	1.27	1.18	1.25	1.25	1.20	0.73	0.25	0.20	1.15	1.19	1.36	1.36
CRMS 0162	1.25	1.18	1.25	1.23	1.27	1.20	1.33	1.24	1.37	1.41	1.32	1.37

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.30	0.92	1.19	1.22	1.27	1.30	1.19	1.10	1.14	1.17	1.08
CRMS0276 - Just east of Wilkinson Canal	0.07	0.01	-0.12	-0.06	-0.12	-0.03	0.01	-0.06	0.02	0.03	0.10	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.05	-0.01	-0.02	-0.04	0.00	0.05	0.06	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.48	0.30	1.00	1.18	1.22	1.28	1.31	0.70	0.09	0.11	0.71	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.23	0.66	0.85	0.61	0.17	0.13	0.04	-0.05	0.00	0.23	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.28	0.86	0.90	0.76	0.61	0.65	0.24	0.06	0.04	0.28	0.36
USGS 07380335 - Little Lake Near Cutoff	0.29	0.24	0.78	0.53	0.57	0.40	0.43	0.16	0.09	0.04	0.21	0.24
USGS073802516 Barataria Pass at Grand Isle	0.22	0.22	0.58	0.15	0.07	0.02	0.08	0.02	0.01	0.03	0.19	0.21
HWQ14 - Lake Washington	0.11	0.17	0.44	0.15	0.07	0.02	0.05	0.05	-0.01	0.00	0.12	0.12
HWQ16 - Bayou Grand Liard	0.04	0.08	0.08	-0.11	-0.08	-0.09	-0.09	-0.12	0.01	0.04	0.10	0.05
CRMS 3985	-0.03	0.03	0.28	0.29	0.17	0.04	0.07	0.07	-0.19	-0.08	-0.02	-0.02
CRMS 0258	0.35	0.25	0.55	0.17	0.02	-0.01	0.01	0.01	0.13	0.05	0.16	0.09
CRMS 0224	0.42	0.29	0.88	0.29	0.02	0.01	0.05	0.00	0.02	0.05	0.29	0.22
CRMS 0163	0.01	0.00	0.00	0.00	0.00	-0.04	-0.04	0.01	0.05	0.02	0.02	0.00
CRMS 0162	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.04	0.01	0.01	0.00

Figure WQ NO3 49 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.81	0.35	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.13	0.25
CRMS0276 - Just east of Wilkinson Canal	1.06	1.24	1.24	0.94	0.88	0.18	0.13	0.52	0.81	0.58	0.46	1.20
Barataria Waterway at Lafitte (USACE82875)	1.45	1.51	1.38	1.33	1.14	0.20	0.25	0.05	0.39	0.27	1.07	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.82	0.26	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.90	0.91	0.62	0.01	0.01	0.02	0.06	0.07	0.18	0.11	0.16	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.88	0.40	0.09	0.02	0.03	0.05	0.09	0.13	0.07	0.18	0.36
USGS 07380335 - Little Lake Near Cutoff	0.82	0.92	0.46	0.23	0.09	0.05	0.11	0.25	0.33	0.19	0.22	0.53
USGS073802516 Barataria Pass at Grand Isle	0.78	0.88	0.36	0.11	0.03	0.01	0.03	0.09	0.18	0.03	0.13	0.37
HWQ14 - Lake Washington	0.80	0.86	0.44	0.01	0.01	0.02	0.08	0.10	0.18	0.10	0.14	0.29
HWQ16 - Bayou Grand Liard	0.88	0.98	0.85	0.73	0.72	0.46	0.57	0.70	0.61	0.39	0.24	0.75
CRMS 3985	1.03	0.97	0.83	0.07	0.04	0.08	0.20	0.24	0.38	0.33	0.24	0.73
CRMS 0258	0.85	0.89	0.77	0.11	0.00	0.00	0.00	0.01	0.22	0.17	0.48	0.82
CRMS 0224	0.77	0.87	0.33	0.13	0.00	0.00	0.01	0.00	0.14	0.04	0.27	0.55
CRMS 0163	1.35	1.42	1.23	1.24	1.15	1.16	0.18	0.17	0.94	1.01	1.38	1.24
CRMS 0162	1.31	1.36	1.23	1.23	1.15	1.22	1.34	1.21	1.30	1.24	1.35	1.22

V3PR3 HYST - cy 1 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.32	1.20	1.19	1.09	1.19	1.30	1.15	1.13	1.18	1.31	1.20
CRMS0276 - Just east of Wilkinson Canal	1.21	1.27	1.17	0.87	0.61	0.15	0.11	0.13	0.57	0.53	0.56	1.23
Barataria Waterway at Lafitte (USACE82875)	1.46	1.51	1.38	1.32	1.12	0.19	0.23	0.05	0.48	0.33	1.06	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.30	1.19	1.19	1.11	1.21	1.32	0.06	0.12	0.12	0.93	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.02	0.87	1.07	0.93	0.80	0.16	0.16	0.07	0.13	0.11	0.49	1.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.11	1.03	1.13	1.04	0.96	0.70	0.60	0.13	0.17	0.11	0.52	1.18
USGS 07380335 - Little Lake Near Cutoff	1.11	1.05	1.11	0.86	0.83	0.46	0.45	0.29	0.35	0.21	0.48	1.14
USGS073802516 Barataria Pass at Grand Isle	1.03	0.96	0.83	0.32	0.22	0.03	0.07	0.04	0.16	0.05	0.35	0.93
HWQ14 - Lake Washington	0.91	0.79	0.72	0.23	0.17	0.03	0.11	0.12	0.16	0.11	0.33	0.77
HWQ16 - Bayou Grand Liard	0.98	1.02	0.93	0.67	0.64	0.35	0.46	0.61	0.59	0.40	0.33	0.90
CRMS 3985	0.89	0.80	0.91	0.39	0.28	0.12	0.24	0.28	0.19	0.23	0.44	0.91
CRMS 0258	1.33	1.16	1.10	0.46	0.09	0.00	0.01	0.04	0.23	0.03	0.70	1.18
CRMS 0224	1.23	1.11	1.06	0.59	0.09	0.03	0.04	0.00	0.07	0.05	0.60	1.14
CRMS 0163	1.37	1.43	1.24	1.24	1.15	1.13	0.16	0.17	0.99	1.05	1.36	1.25
CRMS 0162	1.32	1.36	1.24	1.23	1.15	1.20	1.33	1.20	1.34	1.31	1.34	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.51	0.85	1.18	1.09	1.18	1.29	1.15	1.12	1.17	1.18	0.95
CRMS0276 - Just east of Wilkinson Canal	0.14	0.02	-0.07	-0.07	-0.27	-0.04	-0.02	-0.39	-0.24	-0.05	0.10	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	-0.01	-0.02	-0.01	-0.02	0.00	0.09	0.07	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.53	0.48	0.93	1.18	1.11	1.21	1.31	0.05	0.11	0.12	0.75	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.12	-0.04	0.45	0.92	0.79	0.14	0.10	0.00	-0.05	-0.01	0.34	0.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.15	0.74	0.95	0.94	0.67	0.55	0.05	0.03	0.04	0.33	0.81
USGS 07380335 - Little Lake Near Cutoff	0.29	0.12	0.65	0.63	0.74	0.41	0.34	0.04	0.03	0.02	0.26	0.61
USGS073802516 Barataria Pass at Grand Isle	0.25	0.07	0.48	0.21	0.18	0.01	0.05	-0.05	-0.01	0.02	0.22	0.56
HWQ14 - Lake Washington	0.12	-0.07	0.28	0.22	0.16	0.01	0.03	0.02	-0.02	0.01	0.19	0.48
HWQ16 - Bayou Grand Liard	0.10	0.04	0.08	-0.07	-0.08	-0.10	-0.11	-0.09	-0.02	0.01	0.09	0.15
CRMS 3985	-0.14	-0.17	0.08	0.32	0.24	0.04	0.04	0.04	-0.19	-0.10	0.21	0.18
CRMS 0258	0.48	0.27	0.33	0.34	0.09	-0.01	0.01	0.03	0.00	-0.13	0.22	0.35
CRMS 0224	0.46	0.23	0.72	0.47	0.09	0.02	0.03	0.00	-0.08	0.02	0.33	0.59
CRMS 0163	0.02	0.00	0.00	0.00	0.00	-0.03	-0.02	0.00	0.05	0.04	-0.01	0.01
CRMS 0162	0.01	0.00	0.01	0.00	0.00	-0.01	0.00	0.00	0.04	0.06	-0.01	0.01

Figure WQ NO3 50 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.76	0.22	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.05	1.30	1.24	0.86	0.37	0.14	0.12	0.23	0.56	0.60	0.96	1.13
Barataria Waterway at Lafitte (USACE82875)	1.39	1.39	1.38	1.33	0.42	0.11	0.11	0.01	0.46	0.70	1.34	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.78	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.87	0.67	0.30	0.01	0.01	0.01	0.04	0.08	0.17	0.08	0.28	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.81	0.22	0.06	0.01	0.02	0.05	0.07	0.11	0.06	0.32	0.51
USGS 07380335 - Little Lake Near Cutoff	0.80	0.91	0.34	0.17	0.02	0.03	0.11	0.22	0.27	0.18	0.46	0.63
USGS073802516 Barataria Pass at Grand Isle	0.78	0.84	0.22	0.08	0.01	0.01	0.02	0.07	0.13	0.03	0.28	0.51
HWQ14 - Lake Washington	0.79	0.68	0.17	0.01	0.01	0.01	0.05	0.07	0.17	0.07	0.23	0.54
HWQ16 - Bayou Grand Liard	0.84	1.05	0.88	0.69	0.49	0.40	0.54	0.49	0.52	0.43	0.57	0.75
CRMS 3985	0.92	0.61	0.32	0.02	0.02	0.06	0.12	0.26	0.41	0.29	0.49	0.85
CRMS 0258	0.85	0.97	0.64	0.06	0.00	0.00	0.00	0.01	0.03	0.01	0.58	0.80
CRMS 0224	0.74	0.88	0.21	0.10	0.00	0.00	0.01	0.01	0.07	0.02	0.39	0.57
CRMS 0163	1.28	1.24	1.21	1.19	1.23	0.61	0.08	0.14	0.94	1.23	1.37	1.36
CRMS 0162	1.26	1.23	1.21	1.19	1.25	1.15	1.32	1.11	1.31	1.42	1.32	1.35

V3PR4 HYST - cy 1 - 1975 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.21	1.18	1.15	1.19	1.30	1.25	1.22	1.13	1.13	1.29	1.29
CRMS0276 - Just east of Wilkinson Canal	1.14	1.31	1.21	0.81	0.33	0.11	0.10	0.17	0.60	0.62	1.00	1.19
Barataria Waterway at Lafitte (USACE82875)	1.40	1.40	1.38	1.33	0.39	0.10	0.11	0.01	0.54	0.77	1.40	1.51
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.20	1.18	1.15	1.20	1.30	0.48	0.00	0.16	0.26	0.90	1.06
USGS7380251 Barataria Bay North of Grand Isle	0.93	1.16	1.17	1.05	0.96	0.25	0.10	0.08	0.16	0.13	0.46	0.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.06	1.23	1.21	1.12	1.10	0.84	0.29	0.11	0.18	0.12	0.56	0.70
USGS 07380335 - Little Lake Near Cutoff	1.02	1.25	1.24	1.06	0.93	0.61	0.32	0.23	0.35	0.24	0.59	0.74
USGS073802516 Barataria Pass at Grand Isle	0.80	1.13	1.03	0.42	0.19	0.03	0.06	0.07	0.19	0.06	0.43	0.56
HWQ14 - Lake Washington	0.56	0.95	0.86	0.29	0.16	0.04	0.10	0.12	0.18	0.14	0.32	0.32
HWQ16 - Bayou Grand Liard	0.91	1.16	1.09	0.73	0.48	0.36	0.48	0.52	0.55	0.45	0.60	0.78
CRMS 3985	0.61	0.97	1.00	0.59	0.35	0.16	0.30	0.29	0.26	0.28	0.25	0.12
CRMS 0258	1.17	1.27	1.25	0.83	0.20	0.00	0.01	0.05	0.05	0.02	0.70	0.82
CRMS 0224	1.13	1.26	1.24	0.85	0.19	0.03	0.01	0.00	0.09	0.08	0.62	0.69
CRMS 0163	1.29	1.25	1.21	1.19	1.23	0.59	0.08	0.15	1.00	1.26	1.41	1.39
CRMS 0162	1.27	1.24	1.21	1.19	1.25	1.11	1.29	1.10	1.33	1.44	1.35	1.38

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.44	0.45	0.97	1.14	1.18	1.30	1.24	1.21	1.12	1.13	1.12	1.07
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	-0.03	-0.05	-0.05	-0.03	-0.02	-0.06	0.03	0.02	0.04	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.01	-0.03	-0.01	0.00	0.00	0.08	0.07	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.50	0.43	1.02	1.14	1.19	1.30	0.47	0.00	0.15	0.26	0.71	0.87
USGS7380251 Barataria Bay North of Grand Isle	0.07	0.49	0.87	1.04	0.95	0.24	0.06	0.01	-0.01	0.04	0.19	-0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.27	0.42	0.99	1.06	1.09	0.82	0.24	0.03	0.07	0.06	0.24	0.19
USGS 07380335 - Little Lake Near Cutoff	0.21	0.34	0.91	0.89	0.91	0.58	0.22	0.01	0.09	0.06	0.14	0.11
USGS073802516 Barataria Pass at Grand Isle	0.02	0.29	0.81	0.34	0.18	0.02	0.04	-0.01	0.06	0.03	0.15	0.05
HWQ14 - Lake Washington	-0.23	0.27	0.70	0.29	0.15	0.03	0.05	0.04	0.01	0.07	0.10	-0.22
HWQ16 - Bayou Grand Liard	0.07	0.11	0.21	0.04	-0.01	-0.04	-0.06	0.04	0.03	0.02	0.03	0.03
CRMS 3985	-0.31	0.35	0.68	0.58	0.32	0.11	0.18	0.04	-0.15	-0.01	-0.24	-0.73
CRMS 0258	0.32	0.29	0.61	0.76	0.20	-0.01	0.01	0.03	0.02	0.01	0.12	0.02
CRMS 0224	0.39	0.38	1.03	0.75	0.18	0.03	0.00	0.00	0.02	0.06	0.23	0.12
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.02	0.00	0.01	0.07	0.03	0.04	0.03
CRMS 0162	0.01	0.01	0.00	0.00	0.00	-0.04	-0.03	-0.01	0.02	0.02	0.03	0.03

Figure WQ NO3 51 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.74	0.23	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.12	0.21
CRMS0276 - Just east of Wilkinson Canal	1.02	1.29	1.23	0.82	0.42	0.11	0.13	0.21	0.51	0.46	0.57	1.22
Barataria Waterway at Lafitte (USACE82875)	1.42	1.37	1.34	1.24	0.51	0.05	0.15	0.01	0.35	0.18	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.74	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.16	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.40	0.01	0.01	0.02	0.07	0.16	0.17	0.07	0.16	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.70	0.79	0.27	0.07	0.01	0.03	0.05	0.09	0.12	0.06	0.19	0.30
USGS 07380335 - Little Lake Near Cutoff	0.74	0.89	0.37	0.16	0.03	0.03	0.10	0.22	0.28	0.16	0.24	0.51
USGS073802516 Barataria Pass at Grand Isle	0.69	0.83	0.26	0.08	0.01	0.01	0.03	0.08	0.15	0.02	0.15	0.32
HWQ14 - Lake Washington	0.70	0.69	0.24	0.01	0.01	0.02	0.08	0.18	0.18	0.07	0.16	0.14
HWQ16 - Bayou Grand Liard	0.81	1.04	0.88	0.64	0.54	0.37	0.50	0.56	0.52	0.29	0.29	0.71
CRMS 3985	0.87	0.75	0.55	0.02	0.04	0.08	0.22	0.48	0.39	0.23	0.19	0.46
CRMS 0258	0.81	0.93	0.61	0.04	0.00	0.02	0.03	0.00	0.02	0.01	0.43	0.79
CRMS 0224	0.68	0.85	0.23	0.10	0.00	0.00	0.01	0.01	0.07	0.01	0.27	0.53
CRMS 0163	1.32	1.21	1.17	1.21	1.21	0.42	0.08	0.12	0.86	0.84	1.39	1.32
CRMS 0162	1.30	1.20	1.18	1.21	1.23	1.13	1.31	1.08	1.17	1.16	1.37	1.30

V3PR4 HYST - cy 1 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.21	1.20	1.21	1.14	1.17	1.28	1.26
CRMS0276 - Just east of Wilkinson Canal	1.16	1.30	1.20	0.75	0.35	0.08	0.09	0.20	0.52	0.50	0.61	1.19
Barataria Waterway at Lafitte (USACE82875)	1.43	1.38	1.35	1.20	0.51	0.06	0.17	0.02	0.42	0.20	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.18	1.15	1.17	1.18	0.40	0.02	0.00	0.17	0.27	0.89	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.10	1.17	1.16	1.05	0.96	0.09	0.08	0.08	0.14	0.11	0.48	0.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.21	1.19	1.13	1.10	0.19	0.08	0.11	0.17	0.11	0.49	1.01
USGS 07380335 - Little Lake Near Cutoff	1.14	1.23	1.22	1.03	0.94	0.16	0.13	0.25	0.34	0.20	0.45	0.95
USGS073802516 Barataria Pass at Grand Isle	1.05	1.15	1.05	0.37	0.21	0.01	0.03	0.08	0.19	0.04	0.33	0.77
HWQ14 - Lake Washington	0.93	1.03	0.91	0.28	0.18	0.03	0.08	0.13	0.17	0.12	0.33	0.71
HWQ16 - Bayou Grand Liard	0.96	1.17	1.11	0.63	0.50	0.35	0.47	0.56	0.53	0.33	0.36	0.81
CRMS 3985	0.99	1.06	1.04	0.55	0.36	0.14	0.25	0.27	0.25	0.26	0.48	0.89
CRMS 0258	1.23	1.23	1.22	0.67	0.24	0.02	0.03	0.00	0.03	0.01	0.56	1.01
CRMS 0224	1.21	1.23	1.22	0.72	0.21	0.01	0.01	0.00	0.08	0.06	0.52	0.94
CRMS 0163	1.33	1.22	1.17	1.21	1.21	0.44	0.08	0.14	0.91	0.87	1.37	1.33
CRMS 0162	1.30	1.21	1.18	1.21	1.23	1.08	1.29	1.10	1.18	1.15	1.34	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.44	0.93	1.15	1.16	1.20	1.19	1.20	1.13	1.17	1.16	1.05
CRMS0276 - Just east of Wilkinson Canal	0.14	0.01	-0.03	-0.07	-0.07	-0.03	-0.03	-0.02	0.01	0.03	0.04	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.04	0.00	0.00	0.02	0.01	0.08	0.02	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.44	0.99	1.16	1.17	0.40	0.02	0.00	0.16	0.26	0.73	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.30	0.44	0.76	1.04	0.95	0.07	0.00	-0.08	-0.03	0.04	0.32	0.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.46	0.42	0.92	1.06	1.09	0.17	0.03	0.02	0.05	0.04	0.30	0.71
USGS 07380335 - Little Lake Near Cutoff	0.41	0.34	0.85	0.87	0.91	0.13	0.03	0.02	0.06	0.04	0.21	0.44
USGS073802516 Barataria Pass at Grand Isle	0.35	0.33	0.79	0.29	0.20	0.00	0.00	0.00	0.04	0.02	0.18	0.44
HWQ14 - Lake Washington	0.23	0.34	0.67	0.27	0.17	0.01	0.01	-0.05	-0.01	0.06	0.18	0.56
HWQ16 - Bayou Grand Liard	0.15	0.13	0.23	-0.01	-0.04	-0.01	-0.04	0.01	0.01	0.04	0.07	0.09
CRMS 3985	0.12	0.31	0.49	0.53	0.32	0.05	0.04	-0.21	-0.14	0.03	0.29	0.43
CRMS 0258	0.42	0.29	0.60	0.63	0.23	0.00	0.00	0.00	0.01	0.00	0.12	0.22
CRMS 0224	0.53	0.38	0.99	0.62	0.21	0.00	0.00	0.00	0.01	0.05	0.25	0.42
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.02	0.05	0.03	-0.01	0.00
CRMS 0162	0.00	0.01	0.00	0.00	0.00	-0.05	-0.02	0.02	0.01	0.00	-0.03	0.00

Figure WQ NO3 52 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.70	0.17	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
CRMS0276 - Just east of Wilkinson Canal	0.92	1.26	1.07	0.82	0.53	0.22	0.10	0.20	0.43	0.52	0.99	1.18
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.43	1.15	0.68	0.09	0.02	0.01	0.12	0.70	1.36	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.66	0.13	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.48	0.01	0.01	0.03	0.08	0.06	0.13	0.11	0.25	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.76	0.27	0.04	0.01	0.02	0.03	0.05	0.09	0.05	0.32	0.34
USGS 07380335 - Little Lake Near Cutoff	0.70	0.85	0.32	0.14	0.02	0.02	0.07	0.13	0.21	0.14	0.44	0.54
USGS073802516 Barataria Pass at Grand Isle	0.69	0.80	0.25	0.08	0.01	0.01	0.01	0.02	0.08	0.02	0.28	0.36
HWQ14 - Lake Washington	0.73	0.69	0.32	0.01	0.01	0.01	0.04	0.05	0.13	0.05	0.22	0.21
HWQ16 - Bayou Grand Liard	0.77	0.99	0.76	0.61	0.52	0.37	0.30	0.14	0.35	0.35	0.57	0.75
CRMS 3985	0.90	0.76	0.75	0.08	0.02	0.12	0.32	0.28	0.34	0.38	0.27	0.55
CRMS 0258	0.60	0.83	0.29	0.09	0.01	0.00	0.00	0.00	0.02	0.00	0.54	0.75
CRMS 0224	0.62	0.78	0.17	0.10	0.00	0.00	0.01	0.01	0.06	0.01	0.35	0.47
CRMS 0163	1.38	1.30	1.35	1.33	1.15	0.34	0.03	0.08	0.62	1.22	1.38	1.35
CRMS 0162	1.37	1.29	1.34	1.32	1.20	1.02	1.22	0.91	0.82	1.36	1.35	1.34

V3PR4 HYST - cy 1 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.27	1.31	1.21	1.26	1.21	1.29	1.29	1.14	1.14	1.22	1.26
CRMS0276 - Just east of Wilkinson Canal	0.99	1.26	1.02	0.82	0.44	0.21	0.10	0.19	0.46	0.55	0.99	1.16
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.46	1.16	0.66	0.10	0.02	0.01	0.13	0.74	1.37	1.48
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.25	1.19	0.71	1.05	0.01	0.01	0.00	0.12	0.26	0.81	1.04
USGS7380251 Barataria Bay North of Grand Isle	0.95	1.08	0.92	0.43	0.44	0.02	0.06	0.06	0.12	0.09	0.49	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.94	1.15	0.87	0.46	0.65	0.04	0.06	0.08	0.13	0.08	0.49	0.82
USGS 07380335 - Little Lake Near Cutoff	0.88	1.12	0.72	0.46	0.47	0.03	0.09	0.17	0.26	0.17	0.52	0.80
USGS073802516 Barataria Pass at Grand Isle	0.85	1.00	0.46	0.24	0.04	0.01	0.02	0.04	0.13	0.03	0.35	0.66
HWQ14 - Lake Washington	0.84	0.86	0.43	0.12	0.04	0.02	0.06	0.09	0.17	0.08	0.30	0.63
HWQ16 - Bayou Grand Liard	0.80	1.03	0.75	0.66	0.42	0.36	0.32	0.18	0.38	0.37	0.58	0.78
CRMS 3985	0.92	0.86	0.61	0.21	0.15	0.09	0.19	0.24	0.29	0.27	0.47	0.82
CRMS 0258	0.91	1.08	0.47	0.08	0.05	0.00	0.00	0.00	0.02	0.00	0.57	0.83
CRMS 0224	0.93	1.12	0.51	0.24	0.02	0.01	0.01	0.01	0.07	0.03	0.48	0.71
CRMS 0163	1.38	1.31	1.37	1.34	1.14	0.35	0.04	0.08	0.62	1.26	1.36	1.35
CRMS 0162	1.37	1.30	1.36	1.31	1.19	0.99	1.22	0.85	0.83	1.39	1.33	1.34

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.69	0.57	1.14	1.20	1.24	1.20	1.28	1.29	1.13	1.14	1.03	1.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.00	-0.06	0.00	-0.10	-0.01	0.00	-0.01	0.03	0.02	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.03	0.02	-0.02	0.01	0.01	0.00	0.01	0.04	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.61	0.59	1.07	0.70	1.05	0.00	0.01	0.00	0.11	0.26	0.62	0.84
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.35	0.44	0.42	0.43	0.00	-0.02	0.00	0.00	-0.02	0.24	0.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.25	0.39	0.60	0.42	0.64	0.02	0.02	0.03	0.04	0.03	0.17	0.49
USGS 07380335 - Little Lake Near Cutoff	0.18	0.27	0.40	0.31	0.45	0.01	0.02	0.04	0.05	0.04	0.08	0.26
USGS073802516 Barataria Pass at Grand Isle	0.17	0.20	0.21	0.16	0.03	0.00	0.00	0.02	0.05	0.01	0.07	0.30
HWQ14 - Lake Washington	0.11	0.16	0.11	0.12	0.03	0.01	0.02	0.05	0.04	0.03	0.08	0.42
HWQ16 - Bayou Grand Liard	0.04	0.05	0.00	0.04	-0.10	-0.02	0.03	0.04	0.04	0.02	0.01	0.03
CRMS 3985	0.02	0.10	-0.13	0.13	0.13	-0.02	-0.12	-0.04	-0.04	-0.11	0.20	0.27
CRMS 0258	0.31	0.25	0.18	-0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.03	0.08
CRMS 0224	0.31	0.34	0.33	0.13	0.01	0.00	0.00	0.00	0.01	0.02	0.12	0.24
CRMS 0163	0.00	0.01	0.02	0.01	-0.01	0.01	0.00	-0.01	0.00	0.04	-0.02	0.00
CRMS 0162	0.00	0.01	0.01	-0.01	-0.02	-0.03	0.00	-0.06	0.01	0.03	-0.02	0.00

Figure WQ NO3 53 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.86	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.07	1.30	1.10	0.82	0.45	0.25	0.15	0.24	0.67	0.55	0.66	1.00
Barataria Waterway at Lafitte (USACE82875)	1.39	1.34	1.42	1.22	0.50	0.26	0.53	0.23	0.60	0.53	1.01	1.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.85	0.21	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.51	0.01	0.01	0.02	0.06	0.07	0.18	0.10	0.28	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.92	0.35	0.07	0.01	0.03	0.06	0.09	0.12	0.08	0.28	0.49
USGS 07380335 - Little Lake Near Cutoff	0.83	0.99	0.41	0.17	0.03	0.05	0.14	0.26	0.28	0.20	0.35	0.55
USGS073802516 Barataria Pass at Grand Isle	0.81	0.93	0.32	0.09	0.01	0.01	0.04	0.09	0.17	0.03	0.21	0.46
HWQ14 - Lake Washington	0.83	0.86	0.35	0.01	0.01	0.02	0.09	0.11	0.18	0.10	0.23	0.54
HWQ16 - Bayou Grand Liard	0.91	1.09	0.85	0.66	0.50	0.48	0.61	0.72	0.61	0.42	0.37	0.61
CRMS 3985	1.03	0.99	0.63	0.03	0.04	0.09	0.20	0.23	0.40	0.29	0.48	0.90
CRMS 0258	0.84	1.00	0.64	0.04	0.00	0.00	0.00	0.00	0.09	0.01	0.58	0.76
CRMS 0224	0.75	0.94	0.26	0.10	0.00	0.00	0.01	0.01	0.05	0.03	0.36	0.53
CRMS 0163	1.26	1.18	1.25	1.25	1.20	0.77	0.29	0.18	1.10	1.16	1.34	1.36
CRMS 0162	1.24	1.18	1.25	1.23	1.27	1.20	1.33	1.25	1.32	1.40	1.31	1.37

V3PR4 HYST - cy 1 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.31	1.22	1.11	1.14	1.35	1.32
CRMS0276 - Just east of Wilkinson Canal	1.15	1.31	1.00	0.77	0.32	0.22	0.25	0.20	0.70	0.58	0.74	1.04
Barataria Waterway at Lafitte (USACE82875)	1.41	1.35	1.41	1.14	0.50	0.24	0.48	0.22	0.67	0.60	1.04	1.31
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.15	1.22	1.20	1.23	1.28	1.31	0.70	0.13	0.24	0.93	1.09
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.14	1.20	1.02	0.87	0.47	0.47	0.18	0.13	0.11	0.51	0.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.11	1.18	1.24	1.10	0.99	0.98	1.01	0.51	0.18	0.12	0.56	0.77
USGS 07380335 - Little Lake Near Cutoff	1.08	1.21	1.25	0.97	0.80	0.79	0.89	0.56	0.38	0.24	0.55	0.74
USGS073802516 Barataria Pass at Grand Isle	0.87	1.12	0.98	0.35	0.16	0.07	0.21	0.17	0.19	0.06	0.40	0.61
HWQ14 - Lake Washington	0.62	0.95	0.82	0.25	0.14	0.07	0.18	0.19	0.18	0.12	0.35	0.46
HWQ16 - Bayou Grand Liard	0.92	1.18	1.00	0.60	0.49	0.46	0.57	0.62	0.64	0.46	0.45	0.66
CRMS 3985	0.59	0.98	0.97	0.48	0.36	0.25	0.38	0.36	0.23	0.23	0.38	0.20
CRMS 0258	1.21	1.25	1.28	0.55	0.11	0.00	0.06	0.01	0.23	0.08	0.74	0.86
CRMS 0224	1.19	1.23	1.25	0.67	0.09	0.09	0.18	0.01	0.07	0.07	0.63	0.75
CRMS 0163	1.28	1.18	1.26	1.25	1.20	0.72	0.24	0.20	1.17	1.20	1.38	1.40
CRMS 0162	1.26	1.18	1.25	1.23	1.27	1.19	1.32	1.23	1.35	1.43	1.33	1.40

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.30	0.92	1.20	1.22	1.27	1.31	1.21	1.09	1.14	1.19	1.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.01	-0.10	-0.06	-0.13	-0.04	0.10	-0.04	0.03	0.03	0.08	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.00	-0.07	0.00	-0.02	-0.05	0.00	0.07	0.07	0.03	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.49	0.30	1.00	1.19	1.23	1.27	1.31	0.69	0.12	0.24	0.72	0.87
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.22	0.69	1.02	0.86	0.45	0.41	0.12	-0.04	0.01	0.23	-0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.31	0.27	0.89	1.03	0.97	0.94	0.95	0.41	0.06	0.04	0.28	0.28
USGS 07380335 - Little Lake Near Cutoff	0.25	0.22	0.84	0.79	0.77	0.73	0.74	0.30	0.09	0.04	0.20	0.19
USGS073802516 Barataria Pass at Grand Isle	0.07	0.19	0.65	0.26	0.15	0.05	0.17	0.08	0.02	0.03	0.19	0.14
HWQ14 - Lake Washington	-0.21	0.09	0.46	0.24	0.13	0.05	0.10	0.08	0.00	0.02	0.12	-0.08
HWQ16 - Bayou Grand Liard	0.01	0.08	0.15	-0.05	0.00	-0.02	-0.04	-0.10	0.02	0.03	0.08	0.05
CRMS 3985	-0.44	0.00	0.35	0.45	0.31	0.16	0.17	0.13	-0.17	-0.06	-0.10	-0.70
CRMS 0258	0.37	0.25	0.64	0.51	0.10	0.00	0.06	0.01	0.14	0.07	0.16	0.10
CRMS 0224	0.43	0.28	0.99	0.57	0.09	0.08	0.17	0.00	0.02	0.05	0.27	0.22
CRMS 0163	0.02	0.01	0.00	0.00	-0.01	-0.05	-0.05	0.02	0.07	0.03	0.03	0.04
CRMS 0162	0.02	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.02	0.03	0.03	0.02	0.04

Figure WQ NO3 54 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.81	0.35	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.13	0.25
CRMS0276 - Just east of Wilkinson Canal	1.06	1.24	1.24	0.94	0.88	0.18	0.13	0.52	0.81	0.58	0.46	1.20
Barataria Waterway at Lafitte (USACE82875)	1.45	1.51	1.38	1.33	1.14	0.20	0.25	0.05	0.39	0.27	1.07	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.82	0.26	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.90	0.91	0.62	0.01	0.01	0.02	0.06	0.07	0.18	0.11	0.16	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.88	0.40	0.09	0.02	0.03	0.05	0.09	0.13	0.07	0.18	0.36
USGS 07380335 - Little Lake Near Cutoff	0.82	0.92	0.46	0.23	0.09	0.05	0.11	0.25	0.33	0.19	0.22	0.53
USGS073802516 Barataria Pass at Grand Isle	0.78	0.88	0.36	0.11	0.03	0.01	0.03	0.09	0.18	0.03	0.13	0.37
HWQ14 - Lake Washington	0.80	0.86	0.44	0.01	0.01	0.02	0.08	0.10	0.18	0.10	0.14	0.29
HWQ16 - Bayou Grand Liard	0.88	0.98	0.85	0.73	0.72	0.46	0.57	0.70	0.61	0.39	0.24	0.75
CRMS 3985	1.03	0.97	0.83	0.07	0.04	0.08	0.20	0.24	0.38	0.33	0.24	0.73
CRMS 0258	0.85	0.89	0.77	0.11	0.00	0.00	0.00	0.01	0.22	0.17	0.48	0.82
CRMS 0224	0.77	0.87	0.33	0.13	0.00	0.00	0.01	0.00	0.14	0.04	0.27	0.55
CRMS 0163	1.35	1.42	1.23	1.24	1.15	1.16	0.18	0.17	0.94	1.01	1.38	1.24
CRMS 0162	1.31	1.36	1.23	1.23	1.15	1.22	1.34	1.21	1.30	1.24	1.35	1.22

V3PR4 HYST - cy 1 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.33	1.20	1.19	1.09	1.19	1.31	1.15	1.11	1.18	1.31	1.20
CRMS0276 - Just east of Wilkinson Canal	1.24	1.28	1.18	0.88	0.58	0.15	0.17	0.14	0.59	0.53	0.56	1.24
Barataria Waterway at Lafitte (USACE82875)	1.47	1.52	1.39	1.32	1.11	0.18	0.22	0.06	0.49	0.34	1.08	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.29	1.19	1.19	1.10	1.20	1.31	0.09	0.14	0.25	0.94	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.08	0.91	1.12	1.08	1.01	0.47	0.30	0.07	0.14	0.11	0.52	1.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.07	1.16	1.15	1.10	0.98	0.94	0.15	0.17	0.12	0.53	1.19
USGS 07380335 - Little Lake Near Cutoff	1.16	1.09	1.16	1.08	1.03	0.78	0.79	0.31	0.36	0.22	0.49	1.18
USGS073802516 Barataria Pass at Grand Isle	1.09	1.00	0.91	0.47	0.34	0.06	0.13	0.04	0.17	0.06	0.36	0.98
HWQ14 - Lake Washington	0.98	0.83	0.80	0.35	0.25	0.06	0.14	0.13	0.18	0.13	0.35	0.83
HWQ16 - Bayou Grand Liard	1.01	1.04	0.99	0.75	0.74	0.39	0.49	0.61	0.61	0.40	0.34	0.94
CRMS 3985	0.94	0.83	1.00	0.60	0.52	0.23	0.31	0.33	0.21	0.25	0.47	0.98
CRMS 0258	1.38	1.22	1.16	0.83	0.28	0.03	0.05	0.04	0.25	0.04	0.70	1.19
CRMS 0224	1.28	1.17	1.13	0.84	0.33	0.15	0.13	0.00	0.07	0.06	0.59	1.17
CRMS 0163	1.37	1.43	1.24	1.24	1.15	1.12	0.15	0.18	1.01	1.05	1.37	1.25
CRMS 0162	1.32	1.36	1.24	1.23	1.15	1.19	1.32	1.18	1.35	1.31	1.33	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.57	0.52	0.85	1.18	1.08	1.19	1.30	1.14	1.10	1.18	1.18	0.95
CRMS0276 - Just east of Wilkinson Canal	0.17	0.04	-0.06	-0.06	-0.30	-0.03	0.04	-0.38	-0.22	-0.05	0.11	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.01	-0.01	-0.02	-0.02	-0.03	0.01	0.10	0.07	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.50	0.47	0.93	1.18	1.09	1.19	1.30	0.09	0.13	0.24	0.76	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.00	0.49	1.07	1.00	0.45	0.25	0.00	-0.04	0.00	0.36	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.38	0.20	0.77	1.06	1.08	0.96	0.89	0.06	0.04	0.04	0.35	0.83
USGS 07380335 - Little Lake Near Cutoff	0.34	0.17	0.70	0.85	0.94	0.74	0.68	0.06	0.03	0.03	0.27	0.65
USGS073802516 Barataria Pass at Grand Isle	0.31	0.12	0.56	0.35	0.31	0.04	0.11	-0.05	-0.01	0.02	0.23	0.61
HWQ14 - Lake Washington	0.18	-0.02	0.36	0.35	0.25	0.04	0.06	0.03	0.00	0.02	0.21	0.54
HWQ16 - Bayou Grand Liard	0.13	0.06	0.14	0.02	0.02	-0.07	-0.07	-0.09	0.00	0.01	0.10	0.20
CRMS 3985	-0.09	-0.14	0.17	0.54	0.48	0.15	0.11	0.09	-0.16	-0.09	0.24	0.25
CRMS 0258	0.53	0.33	0.39	0.71	0.27	0.03	0.04	0.03	0.02	-0.13	0.22	0.37
CRMS 0224	0.52	0.29	0.80	0.71	0.32	0.15	0.13	0.00	-0.08	0.02	0.32	0.62
CRMS 0163	0.02	0.01	0.01	0.00	0.00	-0.03	-0.03	0.00	0.07	0.04	-0.01	0.01
CRMS 0162	0.01	0.00	0.01	0.00	0.00	-0.02	-0.01	-0.03	0.05	0.06	-0.02	0.01

Figure WQ NO3 55 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.76	0.22	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.05	1.30	1.24	0.86	0.37	0.14	0.12	0.23	0.56	0.60	0.96	1.13
Barataria Waterway at Lafitte (USACE82875)	1.39	1.39	1.38	1.33	0.42	0.11	0.11	0.01	0.46	0.70	1.34	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.78	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.87	0.67	0.30	0.01	0.01	0.01	0.04	0.08	0.17	0.08	0.28	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.81	0.22	0.06	0.01	0.02	0.05	0.07	0.11	0.06	0.32	0.51
USGS 07380335 - Little Lake Near Cutoff	0.80	0.91	0.34	0.17	0.02	0.03	0.11	0.22	0.27	0.18	0.46	0.63
USGS073802516 Barataria Pass at Grand Isle	0.78	0.84	0.22	0.08	0.01	0.01	0.02	0.07	0.13	0.03	0.28	0.51
HWQ14 - Lake Washington	0.79	0.68	0.17	0.01	0.01	0.01	0.05	0.07	0.17	0.07	0.23	0.54
HWQ16 - Bayou Grand Liard	0.84	1.05	0.88	0.69	0.49	0.40	0.54	0.49	0.52	0.43	0.57	0.75
CRMS 3985	0.92	0.61	0.32	0.02	0.02	0.06	0.12	0.26	0.41	0.29	0.49	0.85
CRMS 0258	0.85	0.97	0.64	0.06	0.00	0.00	0.00	0.01	0.03	0.01	0.58	0.80
CRMS 0224	0.74	0.88	0.21	0.10	0.00	0.00	0.01	0.01	0.07	0.02	0.39	0.57
CRMS 0163	1.28	1.24	1.21	1.19	1.23	0.61	0.08	0.14	0.94	1.23	1.37	1.36
CRMS 0162	1.26	1.23	1.21	1.19	1.25	1.15	1.32	1.11	1.31	1.42	1.32	1.35

V3PR5 HYST - cy 1 - 1975 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.21	1.18	1.15	1.19	1.30	1.24	1.20	1.13	1.14	1.26	1.28
CRMS0276 - Just east of Wilkinson Canal	1.16	1.31	1.22	0.81	0.32	0.11	0.10	0.17	0.59	0.62	0.99	1.17
Barataria Waterway at Lafitte (USACE82875)	1.40	1.40	1.38	1.33	0.40	0.10	0.11	0.01	0.55	0.75	1.38	1.48
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.20	1.18	1.16	1.20	1.31	0.48	0.00	0.13	0.16	0.87	1.06
USGS7380251 Barataria Bay North of Grand Isle	1.08	1.18	1.18	1.06	0.97	0.26	0.10	0.08	0.16	0.13	0.53	0.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.23	1.22	1.13	1.10	0.84	0.29	0.11	0.18	0.12	0.58	0.87
USGS 07380335 - Little Lake Near Cutoff	1.11	1.26	1.24	1.06	0.94	0.61	0.32	0.23	0.35	0.24	0.61	0.84
USGS073802516 Barataria Pass at Grand Isle	0.98	1.16	1.05	0.42	0.19	0.03	0.06	0.07	0.19	0.06	0.44	0.71
HWQ14 - Lake Washington	0.84	1.02	0.90	0.30	0.16	0.04	0.11	0.11	0.18	0.14	0.37	0.67
HWQ16 - Bayou Grand Liard	0.94	1.17	1.11	0.73	0.49	0.36	0.47	0.55	0.55	0.46	0.60	0.78
CRMS 3985	0.87	1.03	1.03	0.61	0.35	0.17	0.30	0.29	0.26	0.28	0.49	0.85
CRMS 0258	1.17	1.27	1.25	0.78	0.19	0.00	0.01	0.04	0.05	0.02	0.70	0.82
CRMS 0224	1.16	1.26	1.24	0.82	0.18	0.03	0.01	0.00	0.08	0.08	0.62	0.74
CRMS 0163	1.29	1.25	1.21	1.19	1.23	0.60	0.07	0.15	1.00	1.25	1.38	1.37
CRMS 0162	1.27	1.24	1.21	1.19	1.25	1.11	1.29	1.11	1.32	1.43	1.33	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.44	0.45	0.97	1.14	1.18	1.30	1.23	1.19	1.11	1.13	1.09	1.06
CRMS0276 - Just east of Wilkinson Canal	0.11	0.01	-0.03	-0.05	-0.05	-0.03	-0.02	-0.06	0.03	0.02	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.01	-0.02	-0.01	0.00	0.00	0.08	0.05	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.50	0.43	1.02	1.15	1.20	1.31	0.48	0.00	0.12	0.16	0.68	0.87
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.51	0.88	1.05	0.96	0.25	0.06	0.00	-0.01	0.04	0.25	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.43	0.99	1.06	1.10	0.82	0.24	0.04	0.07	0.06	0.25	0.36
USGS 07380335 - Little Lake Near Cutoff	0.31	0.35	0.91	0.89	0.91	0.58	0.22	0.01	0.09	0.06	0.15	0.21
USGS073802516 Barataria Pass at Grand Isle	0.21	0.32	0.83	0.34	0.18	0.02	0.04	0.00	0.06	0.04	0.16	0.20
HWQ14 - Lake Washington	0.05	0.34	0.73	0.30	0.16	0.03	0.06	0.04	0.01	0.07	0.14	0.14
HWQ16 - Bayou Grand Liard	0.10	0.12	0.23	0.04	0.00	-0.03	-0.07	0.06	0.04	0.02	0.03	0.03
CRMS 3985	-0.05	0.42	0.71	0.60	0.33	0.11	0.18	0.04	-0.15	-0.01	0.01	0.00
CRMS 0258	0.33	0.29	0.60	0.72	0.19	-0.01	0.01	0.03	0.02	0.01	0.12	0.02
CRMS 0224	0.43	0.38	1.03	0.72	0.18	0.03	0.00	0.00	0.02	0.06	0.24	0.17
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.01	0.00	0.02	0.06	0.02	0.01	0.01
CRMS 0162	0.01	0.01	0.00	0.00	0.00	-0.04	-0.03	0.00	0.01	0.02	0.01	0.01

Figure WQ NO3 56 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.74	0.23	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.12	0.21
CRMS0276 - Just east of Wilkinson Canal	1.02	1.29	1.23	0.82	0.42	0.11	0.13	0.21	0.51	0.46	0.57	1.22
Barataria Waterway at Lafitte (USACE82875)	1.42	1.37	1.34	1.24	0.51	0.05	0.15	0.01	0.35	0.18	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.74	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.16	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.40	0.01	0.01	0.02	0.07	0.16	0.17	0.07	0.16	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.70	0.79	0.27	0.07	0.01	0.03	0.05	0.09	0.12	0.06	0.19	0.30
USGS 07380335 - Little Lake Near Cutoff	0.74	0.89	0.37	0.16	0.03	0.03	0.10	0.22	0.28	0.16	0.24	0.51
USGS073802516 Barataria Pass at Grand Isle	0.69	0.83	0.26	0.08	0.01	0.01	0.03	0.08	0.15	0.02	0.15	0.32
HWQ14 - Lake Washington	0.70	0.69	0.24	0.01	0.01	0.02	0.08	0.18	0.18	0.07	0.16	0.14
HWQ16 - Bayou Grand Liard	0.81	1.04	0.88	0.64	0.54	0.37	0.50	0.56	0.52	0.29	0.29	0.71
CRMS 3985	0.87	0.75	0.55	0.02	0.04	0.08	0.22	0.48	0.39	0.23	0.19	0.46
CRMS 0258	0.81	0.93	0.61	0.04	0.00	0.02	0.03	0.00	0.02	0.01	0.43	0.79
CRMS 0224	0.68	0.85	0.23	0.10	0.00	0.00	0.01	0.01	0.07	0.01	0.27	0.53
CRMS 0163	1.32	1.21	1.17	1.21	1.21	0.42	0.08	0.12	0.86	0.84	1.39	1.32
CRMS 0162	1.30	1.20	1.18	1.21	1.23	1.13	1.31	1.08	1.17	1.16	1.37	1.30

V3PR5 HYST - cy 1 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.19	1.15	1.17	1.17	1.21	1.19	1.19	1.13	1.18	1.31	1.28
CRMS0276 - Just east of Wilkinson Canal	1.12	1.29	1.19	0.75	0.36	0.08	0.10	0.20	0.53	0.50	0.62	1.20
Barataria Waterway at Lafitte (USACE82875)	1.43	1.38	1.35	1.20	0.50	0.06	0.16	0.02	0.41	0.21	1.19	1.52
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.18	1.15	1.17	1.18	0.41	0.01	0.00	0.14	0.16	0.88	1.13
USGS7380251 Barataria Bay North of Grand Isle	0.92	1.15	1.16	1.05	0.98	0.09	0.08	0.08	0.14	0.11	0.41	0.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.05	1.20	1.19	1.13	1.10	0.19	0.08	0.11	0.17	0.11	0.48	0.92
USGS 07380335 - Little Lake Near Cutoff	1.03	1.22	1.22	1.03	0.95	0.16	0.13	0.25	0.33	0.20	0.45	0.89
USGS073802516 Barataria Pass at Grand Isle	0.86	1.10	1.04	0.37	0.21	0.01	0.03	0.08	0.18	0.04	0.32	0.61
HWQ14 - Lake Washington	0.64	0.94	0.89	0.28	0.18	0.03	0.08	0.13	0.18	0.12	0.29	0.36
HWQ16 - Bayou Grand Liard	0.92	1.14	1.10	0.63	0.50	0.35	0.47	0.57	0.52	0.33	0.36	0.78
CRMS 3985	0.66	1.00	1.04	0.56	0.37	0.14	0.25	0.27	0.25	0.26	0.22	0.25
CRMS 0258	1.21	1.22	1.21	0.62	0.23	0.01	0.03	0.00	0.03	0.01	0.55	1.00
CRMS 0224	1.16	1.22	1.21	0.71	0.20	0.01	0.01	0.00	0.08	0.06	0.52	0.92
CRMS 0163	1.33	1.22	1.17	1.21	1.21	0.44	0.08	0.14	0.89	0.86	1.40	1.35
CRMS 0162	1.30	1.21	1.18	1.21	1.23	1.09	1.30	1.10	1.17	1.17	1.37	1.33

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.53	0.44	0.93	1.16	1.16	1.21	1.18	1.18	1.12	1.18	1.19	1.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.00	-0.04	-0.07	-0.06	-0.03	-0.03	-0.02	0.01	0.03	0.05	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.04	0.00	0.00	0.01	0.01	0.06	0.03	0.01	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.44	0.99	1.16	1.18	0.40	0.00	0.00	0.13	0.16	0.72	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.42	0.76	1.04	0.97	0.07	0.00	-0.08	-0.03	0.04	0.25	0.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.41	0.92	1.06	1.09	0.16	0.03	0.02	0.05	0.05	0.28	0.62
USGS 07380335 - Little Lake Near Cutoff	0.30	0.32	0.85	0.87	0.91	0.12	0.03	0.03	0.05	0.04	0.21	0.38
USGS073802516 Barataria Pass at Grand Isle	0.17	0.27	0.78	0.29	0.20	0.00	0.00	0.01	0.04	0.02	0.18	0.29
HWQ14 - Lake Washington	-0.06	0.25	0.65	0.27	0.18	0.01	0.01	-0.05	0.00	0.06	0.13	0.22
HWQ16 - Bayou Grand Liard	0.10	0.10	0.22	-0.01	-0.04	-0.02	-0.04	0.01	0.01	0.04	0.08	0.07
CRMS 3985	-0.20	0.25	0.49	0.54	0.33	0.05	0.04	-0.21	-0.14	0.03	0.03	-0.21
CRMS 0258	0.41	0.29	0.60	0.58	0.22	0.00	-0.01	0.00	0.01	0.00	0.12	0.21
CRMS 0224	0.48	0.37	0.99	0.61	0.19	0.00	0.00	0.00	0.01	0.05	0.26	0.40
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.02	0.01	0.01	0.03	0.02	0.01	0.03
CRMS 0162	0.00	0.01	0.00	0.00	0.00	-0.04	-0.01	0.02	0.00	0.02	0.00	0.02

Figure WQ NO3 57 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.70	0.17	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
CRMS0276 - Just east of Wilkinson Canal	0.92	1.26	1.07	0.82	0.53	0.22	0.10	0.20	0.43	0.52	0.99	1.18
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.43	1.15	0.68	0.09	0.02	0.01	0.12	0.70	1.36	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.66	0.13	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.48	0.01	0.01	0.03	0.08	0.06	0.13	0.11	0.25	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.76	0.27	0.04	0.01	0.02	0.03	0.05	0.09	0.05	0.32	0.34
USGS 07380335 - Little Lake Near Cutoff	0.70	0.85	0.32	0.14	0.02	0.02	0.07	0.13	0.21	0.14	0.44	0.54
USGS073802516 Barataria Pass at Grand Isle	0.69	0.80	0.25	0.08	0.01	0.01	0.01	0.02	0.08	0.02	0.28	0.36
HWQ14 - Lake Washington	0.73	0.69	0.32	0.01	0.01	0.01	0.04	0.05	0.13	0.05	0.22	0.21
HWQ16 - Bayou Grand Liard	0.77	0.99	0.76	0.61	0.52	0.37	0.30	0.14	0.35	0.35	0.57	0.75
CRMS 3985	0.90	0.76	0.75	0.08	0.02	0.12	0.32	0.28	0.34	0.38	0.27	0.55
CRMS 0258	0.60	0.83	0.29	0.09	0.01	0.00	0.00	0.00	0.02	0.00	0.54	0.75
CRMS 0224	0.62	0.78	0.17	0.10	0.00	0.00	0.01	0.01	0.06	0.01	0.35	0.47
CRMS 0163	1.38	1.30	1.35	1.33	1.15	0.34	0.03	0.08	0.62	1.22	1.38	1.35
CRMS 0162	1.37	1.29	1.34	1.32	1.20	1.02	1.22	0.91	0.82	1.36	1.35	1.34

V3PR5 HYST - cy 1 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.27	1.31	1.22	1.25	1.19	1.28	1.27	1.13	1.14	1.22	1.27
CRMS0276 - Just east of Wilkinson Canal	0.99	1.26	1.01	0.82	0.45	0.21	0.10	0.19	0.44	0.55	1.00	1.17
Barataria Waterway at Lafitte (USACE82875)	1.45	1.42	1.46	1.15	0.66	0.10	0.03	0.01	0.14	0.75	1.38	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.25	1.19	0.66	1.06	0.00	0.01	0.00	0.09	0.16	0.78	1.03
USGS7380251 Barataria Bay North of Grand Isle	0.80	1.05	0.89	0.42	0.44	0.02	0.06	0.06	0.12	0.08	0.49	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.13	0.84	0.46	0.66	0.04	0.06	0.08	0.13	0.08	0.49	0.83
USGS 07380335 - Little Lake Near Cutoff	0.84	1.10	0.69	0.46	0.48	0.03	0.09	0.17	0.27	0.18	0.52	0.80
USGS073802516 Barataria Pass at Grand Isle	0.78	0.96	0.43	0.24	0.04	0.01	0.02	0.04	0.14	0.03	0.35	0.66
HWQ14 - Lake Washington	0.68	0.78	0.39	0.10	0.04	0.02	0.06	0.09	0.17	0.08	0.30	0.62
HWQ16 - Bayou Grand Liard	0.81	1.03	0.75	0.66	0.43	0.36	0.33	0.19	0.39	0.37	0.58	0.78
CRMS 3985	0.69	0.80	0.57	0.20	0.15	0.09	0.19	0.25	0.30	0.27	0.47	0.76
CRMS 0258	0.90	1.07	0.45	0.09	0.04	0.00	0.00	0.00	0.02	0.01	0.58	0.83
CRMS 0224	0.90	1.10	0.48	0.25	0.02	0.00	0.01	0.00	0.07	0.03	0.49	0.71
CRMS 0163	1.39	1.31	1.37	1.33	1.14	0.34	0.03	0.08	0.66	1.26	1.36	1.36
CRMS 0162	1.38	1.30	1.36	1.31	1.19	1.00	1.24	0.86	0.84	1.39	1.33	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.57	1.14	1.21	1.24	1.18	1.27	1.26	1.12	1.14	1.02	1.07
CRMS0276 - Just east of Wilkinson Canal	0.07	0.00	-0.06	-0.01	-0.09	-0.01	0.00	0.00	0.01	0.03	0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.03	0.00	-0.02	0.01	0.01	0.00	0.02	0.06	0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.60	0.59	1.06	0.65	1.06	0.00	0.00	0.00	0.08	0.16	0.59	0.84
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.32	0.41	0.41	0.44	0.00	-0.02	0.00	0.00	-0.02	0.24	0.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.37	0.57	0.42	0.65	0.02	0.03	0.03	0.04	0.03	0.18	0.49
USGS 07380335 - Little Lake Near Cutoff	0.14	0.25	0.37	0.32	0.45	0.01	0.02	0.04	0.05	0.04	0.09	0.26
USGS073802516 Barataria Pass at Grand Isle	0.09	0.16	0.18	0.16	0.03	0.00	0.00	0.02	0.05	0.01	0.07	0.30
HWQ14 - Lake Washington	-0.04	0.09	0.07	0.10	0.03	0.01	0.02	0.05	0.05	0.03	0.08	0.42
HWQ16 - Bayou Grand Liard	0.04	0.04	-0.01	0.05	-0.09	-0.01	0.04	0.05	0.04	0.02	0.02	0.02
CRMS 3985	-0.21	0.04	-0.18	0.12	0.13	-0.02	-0.13	-0.03	-0.04	-0.11	0.20	0.20
CRMS 0258	0.30	0.24	0.16	0.00	0.04	0.00	0.00	0.00	0.00	0.00	0.04	0.08
CRMS 0224	0.28	0.32	0.31	0.14	0.01	0.00	0.00	0.00	0.01	0.02	0.13	0.24
CRMS 0163	0.01	0.01	0.02	0.00	-0.01	0.00	0.00	-0.01	0.03	0.05	-0.02	0.01
CRMS 0162	0.00	0.01	0.02	-0.01	-0.02	-0.02	0.02	-0.04	0.02	0.03	-0.02	0.02

Figure WQ NO3 58 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.86	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.07	1.30	1.10	0.82	0.45	0.25	0.15	0.24	0.67	0.55	0.66	1.00
Barataria Waterway at Lafitte (USACE82875)	1.39	1.34	1.42	1.22	0.50	0.26	0.53	0.23	0.60	0.53	1.01	1.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.85	0.21	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.51	0.01	0.01	0.02	0.06	0.07	0.18	0.10	0.28	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.92	0.35	0.07	0.01	0.03	0.06	0.09	0.12	0.08	0.28	0.49
USGS 07380335 - Little Lake Near Cutoff	0.83	0.99	0.41	0.17	0.03	0.05	0.14	0.26	0.28	0.20	0.35	0.55
USGS073802516 Barataria Pass at Grand Isle	0.81	0.93	0.32	0.09	0.01	0.01	0.04	0.09	0.17	0.03	0.21	0.46
HWQ14 - Lake Washington	0.83	0.86	0.35	0.01	0.01	0.02	0.09	0.11	0.18	0.10	0.23	0.54
HWQ16 - Bayou Grand Liard	0.91	1.09	0.85	0.66	0.50	0.48	0.61	0.72	0.61	0.42	0.37	0.61
CRMS 3985	1.03	0.99	0.63	0.03	0.04	0.09	0.20	0.23	0.40	0.29	0.48	0.90
CRMS 0258	0.84	1.00	0.64	0.04	0.00	0.00	0.00	0.00	0.09	0.01	0.58	0.76
CRMS 0224	0.75	0.94	0.26	0.10	0.00	0.00	0.01	0.01	0.05	0.03	0.36	0.53
CRMS 0163	1.26	1.18	1.25	1.25	1.20	0.77	0.29	0.18	1.10	1.16	1.34	1.36
CRMS 0162	1.24	1.18	1.25	1.23	1.27	1.20	1.33	1.25	1.32	1.40	1.31	1.37

V3PR5 HYST - cy 1 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.31	1.21	1.10	1.15	1.33	1.29
CRMS0276 - Just east of Wilkinson Canal	1.16	1.32	1.00	0.76	0.32	0.22	0.25	0.21	0.70	0.59	0.79	1.00
Barataria Waterway at Lafitte (USACE82875)	1.40	1.35	1.41	1.15	0.49	0.25	0.48	0.23	0.67	0.60	1.03	1.26
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.15	1.22	1.20	1.24	1.28	1.32	0.72	0.10	0.14	0.89	1.07
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.17	1.21	1.04	0.88	0.48	0.49	0.19	0.13	0.11	0.53	0.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.19	1.19	1.25	1.10	0.98	0.98	1.01	0.51	0.18	0.12	0.57	0.87
USGS 07380335 - Little Lake Near Cutoff	1.17	1.23	1.26	0.97	0.80	0.79	0.89	0.57	0.38	0.24	0.57	0.79
USGS073802516 Barataria Pass at Grand Isle	1.08	1.18	1.02	0.35	0.16	0.07	0.21	0.17	0.18	0.07	0.42	0.69
HWQ14 - Lake Washington	0.97	1.08	0.90	0.26	0.15	0.08	0.19	0.19	0.18	0.12	0.37	0.69
HWQ16 - Bayou Grand Liard	0.98	1.20	1.02	0.61	0.50	0.46	0.57	0.63	0.63	0.47	0.48	0.65
CRMS 3985	1.05	1.09	1.04	0.51	0.36	0.26	0.39	0.37	0.23	0.23	0.48	0.89
CRMS 0258	1.21	1.26	1.28	0.52	0.10	0.00	0.05	0.01	0.24	0.09	0.74	0.87
CRMS 0224	1.20	1.23	1.25	0.66	0.09	0.09	0.17	0.01	0.07	0.08	0.64	0.77
CRMS 0163	1.27	1.18	1.26	1.25	1.20	0.72	0.25	0.20	1.17	1.20	1.36	1.36
CRMS 0162	1.25	1.18	1.25	1.23	1.26	1.19	1.32	1.23	1.36	1.43	1.32	1.36

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.30	0.92	1.20	1.22	1.27	1.31	1.20	1.08	1.14	1.16	1.08
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	-0.10	-0.06	-0.13	-0.04	0.10	-0.03	0.04	0.04	0.13	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.06	-0.01	-0.02	-0.05	0.01	0.07	0.07	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.48	0.30	1.00	1.19	1.23	1.28	1.31	0.72	0.09	0.14	0.68	0.85
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.25	0.70	1.03	0.87	0.46	0.42	0.13	-0.04	0.01	0.25	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.38	0.28	0.90	1.03	0.97	0.94	0.95	0.42	0.06	0.05	0.29	0.38
USGS 07380335 - Little Lake Near Cutoff	0.34	0.24	0.86	0.80	0.77	0.73	0.74	0.31	0.09	0.05	0.22	0.25
USGS073802516 Barataria Pass at Grand Isle	0.27	0.25	0.70	0.26	0.15	0.05	0.17	0.08	0.02	0.04	0.20	0.22
HWQ14 - Lake Washington	0.15	0.22	0.54	0.26	0.14	0.06	0.10	0.08	0.00	0.02	0.14	0.15
HWQ16 - Bayou Grand Liard	0.07	0.11	0.17	-0.04	0.00	-0.03	-0.04	-0.09	0.02	0.04	0.10	0.04
CRMS 3985	0.02	0.11	0.41	0.48	0.32	0.16	0.18	0.14	-0.16	-0.07	0.00	0.00
CRMS 0258	0.37	0.25	0.63	0.48	0.10	0.00	0.05	0.01	0.14	0.07	0.16	0.11
CRMS 0224	0.45	0.29	0.99	0.55	0.09	0.09	0.16	0.00	0.02	0.05	0.28	0.24
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.05	-0.05	0.02	0.07	0.03	0.02	0.00
CRMS 0162	0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.02	0.04	0.02	0.01	0.00

Figure WQ NO3 59 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.81	0.35	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.13	0.25
CRMS0276 - Just east of Wilkinson Canal	1.06	1.24	1.24	0.94	0.88	0.18	0.13	0.52	0.81	0.58	0.46	1.20
Barataria Waterway at Lafitte (USACE82875)	1.45	1.51	1.38	1.33	1.14	0.20	0.25	0.05	0.39	0.27	1.07	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.82	0.26	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.90	0.91	0.62	0.01	0.01	0.02	0.06	0.07	0.18	0.11	0.16	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.88	0.40	0.09	0.02	0.03	0.05	0.09	0.13	0.07	0.18	0.36
USGS 07380335 - Little Lake Near Cutoff	0.82	0.92	0.46	0.23	0.09	0.05	0.11	0.25	0.33	0.19	0.22	0.53
USGS073802516 Barataria Pass at Grand Isle	0.78	0.88	0.36	0.11	0.03	0.01	0.03	0.09	0.18	0.03	0.13	0.37
HWQ14 - Lake Washington	0.80	0.86	0.44	0.01	0.01	0.02	0.08	0.10	0.18	0.10	0.14	0.29
HWQ16 - Bayou Grand Liard	0.88	0.98	0.85	0.73	0.72	0.46	0.57	0.70	0.61	0.39	0.24	0.75
CRMS 3985	1.03	0.97	0.83	0.07	0.04	0.08	0.20	0.24	0.38	0.33	0.24	0.73
CRMS 0258	0.85	0.89	0.77	0.11	0.00	0.00	0.00	0.01	0.22	0.17	0.48	0.82
CRMS 0224	0.77	0.87	0.33	0.13	0.00	0.00	0.01	0.00	0.14	0.04	0.27	0.55
CRMS 0163	1.35	1.42	1.23	1.24	1.15	1.16	0.18	0.17	0.94	1.01	1.38	1.24
CRMS 0162	1.31	1.36	1.23	1.23	1.15	1.22	1.34	1.21	1.30	1.24	1.35	1.22

V3PR5 HYST - cy 1 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.33	1.20	1.19	1.09	1.19	1.31	1.13	1.11	1.17	1.31	1.20
CRMS0276 - Just east of Wilkinson Canal	1.24	1.29	1.18	0.88	0.58	0.15	0.17	0.13	0.59	0.52	0.57	1.24
Barataria Waterway at Lafitte (USACE82875)	1.47	1.52	1.39	1.32	1.11	0.18	0.22	0.06	0.48	0.35	1.08	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.25	1.31	1.19	1.19	1.10	1.20	1.32	0.08	0.11	0.15	0.90	1.20
USGS7380251 Barataria Bay North of Grand Isle	1.08	0.92	1.12	1.08	1.01	0.50	0.32	0.07	0.14	0.11	0.52	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.08	1.16	1.15	1.10	0.98	0.95	0.15	0.18	0.12	0.54	1.20
USGS 07380335 - Little Lake Near Cutoff	1.17	1.09	1.16	1.08	1.03	0.78	0.79	0.31	0.36	0.22	0.50	1.18
USGS073802516 Barataria Pass at Grand Isle	1.09	1.00	0.92	0.47	0.34	0.06	0.13	0.03	0.17	0.06	0.37	0.98
HWQ14 - Lake Washington	0.97	0.83	0.80	0.35	0.25	0.07	0.14	0.13	0.18	0.12	0.35	0.83
HWQ16 - Bayou Grand Liard	1.01	1.04	0.99	0.75	0.73	0.39	0.50	0.61	0.61	0.41	0.35	0.94
CRMS 3985	0.94	0.83	1.00	0.61	0.53	0.23	0.32	0.33	0.22	0.23	0.46	0.98
CRMS 0258	1.37	1.22	1.15	0.80	0.26	0.02	0.04	0.04	0.24	0.04	0.70	1.19
CRMS 0224	1.28	1.17	1.13	0.83	0.30	0.14	0.13	0.00	0.07	0.06	0.60	1.17
CRMS 0163	1.37	1.43	1.24	1.24	1.15	1.12	0.15	0.17	0.99	1.06	1.37	1.25
CRMS 0162	1.32	1.36	1.24	1.23	1.15	1.19	1.32	1.19	1.32	1.29	1.33	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.57	0.52	0.85	1.18	1.08	1.19	1.30	1.12	1.10	1.16	1.18	0.96
CRMS0276 - Just east of Wilkinson Canal	0.18	0.04	-0.06	-0.06	-0.30	-0.03	0.04	-0.39	-0.23	-0.06	0.12	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.01	-0.01	-0.03	-0.02	-0.03	0.01	0.10	0.08	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.52	0.49	0.93	1.18	1.10	1.20	1.31	0.07	0.10	0.14	0.72	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.01	0.50	1.07	1.00	0.48	0.26	0.00	-0.04	0.00	0.37	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.38	0.20	0.77	1.06	1.08	0.95	0.89	0.06	0.04	0.04	0.35	0.83
USGS 07380335 - Little Lake Near Cutoff	0.34	0.17	0.70	0.85	0.94	0.73	0.68	0.06	0.04	0.03	0.28	0.65
USGS073802516 Barataria Pass at Grand Isle	0.31	0.12	0.56	0.36	0.31	0.05	0.10	-0.05	-0.01	0.02	0.24	0.62
HWQ14 - Lake Washington	0.18	-0.02	0.36	0.35	0.25	0.05	0.06	0.03	0.00	0.02	0.21	0.54
HWQ16 - Bayou Grand Liard	0.13	0.07	0.14	0.02	0.01	-0.07	-0.07	-0.09	-0.01	0.01	0.11	0.20
CRMS 3985	-0.09	-0.14	0.17	0.55	0.50	0.16	0.12	0.09	-0.16	-0.10	0.23	0.25
CRMS 0258	0.53	0.33	0.38	0.69	0.25	0.02	0.04	0.03	0.02	-0.13	0.23	0.37
CRMS 0224	0.51	0.29	0.80	0.71	0.30	0.14	0.12	0.00	-0.07	0.02	0.33	0.62
CRMS 0163	0.02	0.01	0.01	0.00	0.00	-0.04	-0.03	0.00	0.05	0.05	-0.01	0.01
CRMS 0162	0.01	0.00	0.01	0.00	0.00	-0.03	-0.01	-0.02	0.02	0.04	-0.02	0.01

Figure WQ NO3 60 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.76	0.22	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.05	1.30	1.24	0.86	0.37	0.14	0.12	0.23	0.56	0.60	0.96	1.13
Barataria Waterway at Lafitte (USACE82875)	1.39	1.39	1.38	1.33	0.42	0.11	0.11	0.01	0.46	0.70	1.34	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.78	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.87	0.67	0.30	0.01	0.01	0.01	0.04	0.08	0.17	0.08	0.28	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.81	0.22	0.06	0.01	0.02	0.05	0.07	0.11	0.06	0.32	0.51
USGS 07380335 - Little Lake Near Cutoff	0.80	0.91	0.34	0.17	0.02	0.03	0.11	0.22	0.27	0.18	0.46	0.63
USGS073802516 Barataria Pass at Grand Isle	0.78	0.84	0.22	0.08	0.01	0.01	0.02	0.07	0.13	0.03	0.28	0.51
HWQ14 - Lake Washington	0.79	0.68	0.17	0.01	0.01	0.01	0.05	0.07	0.17	0.07	0.23	0.54
HWQ16 - Bayou Grand Liard	0.84	1.05	0.88	0.69	0.49	0.40	0.54	0.49	0.52	0.43	0.57	0.75
CRMS 3985	0.92	0.61	0.32	0.02	0.02	0.06	0.12	0.26	0.41	0.29	0.49	0.85
CRMS 0258	0.85	0.97	0.64	0.06	0.00	0.00	0.00	0.01	0.03	0.01	0.58	0.80
CRMS 0224	0.74	0.88	0.21	0.10	0.00	0.00	0.01	0.01	0.07	0.02	0.39	0.57
CRMS 0163	1.28	1.24	1.21	1.19	1.23	0.61	0.08	0.14	0.94	1.23	1.37	1.36
CRMS 0162	1.26	1.23	1.21	1.19	1.25	1.15	1.32	1.11	1.31	1.42	1.32	1.35

V3PR6 HYST - cy 1 - 1975 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.21	1.19	1.15	1.19	1.30	1.24	1.29	1.21	1.14	1.25	1.27
CRMS0276 - Just east of Wilkinson Canal	1.21	1.33	1.29	0.83	0.44	0.17	0.19	0.17	0.59	0.62	0.99	1.17
Barataria Waterway at Lafitte (USACE82875)	1.40	1.40	1.39	1.31	0.35	0.09	0.12	0.01	0.56	0.76	1.39	1.48
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.21	1.18	1.15	1.19	1.31	0.52	0.00	0.14	0.20	0.84	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.22	1.20	1.17	1.19	0.86	0.25	0.09	0.17	0.14	0.52	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.19	1.23	1.21	1.17	1.22	1.18	0.46	0.11	0.18	0.13	0.58	0.89
USGS 07380335 - Little Lake Near Cutoff	1.17	1.26	1.24	1.18	1.21	1.06	0.53	0.21	0.36	0.25	0.60	0.86
USGS073802516 Barataria Pass at Grand Isle	1.07	1.22	1.17	0.73	0.41	0.13	0.13	0.07	0.20	0.07	0.45	0.72
HWQ14 - Lake Washington	0.97	1.14	1.10	0.64	0.36	0.12	0.15	0.13	0.20	0.16	0.38	0.68
HWQ16 - Bayou Grand Liard	1.02	1.24	1.21	0.97	0.71	0.50	0.52	0.52	0.55	0.45	0.59	0.78
CRMS 3985	1.08	1.18	1.20	1.03	0.85	0.45	0.40	0.34	0.27	0.30	0.50	0.86
CRMS 0258	1.19	1.26	1.24	1.21	0.99	0.07	0.01	0.03	0.05	0.01	0.68	0.89
CRMS 0224	1.19	1.24	1.23	1.21	1.17	0.27	0.01	0.00	0.08	0.08	0.61	0.85
CRMS 0163	1.29	1.26	1.22	1.19	1.22	0.55	0.07	0.15	1.00	1.26	1.38	1.36
CRMS 0162	1.26	1.24	1.21	1.19	1.25	1.04	1.24	1.04	1.31	1.43	1.31	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.45	0.45	0.97	1.14	1.18	1.30	1.24	1.29	1.19	1.14	1.08	1.05
CRMS0276 - Just east of Wilkinson Canal	0.16	0.03	0.05	-0.03	0.06	0.03	0.07	-0.06	0.03	0.02	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.01	-0.02	-0.07	-0.03	0.00	0.00	0.09	0.06	0.05	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.51	0.43	1.02	1.14	1.19	1.30	0.51	0.00	0.13	0.19	0.64	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.55	0.90	1.16	1.18	0.85	0.21	0.01	0.00	0.06	0.24	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.40	0.42	0.98	1.11	1.21	1.15	0.41	0.03	0.07	0.07	0.25	0.37
USGS 07380335 - Little Lake Near Cutoff	0.37	0.34	0.90	1.01	1.18	1.03	0.42	-0.01	0.10	0.07	0.15	0.23
USGS073802516 Barataria Pass at Grand Isle	0.29	0.38	0.95	0.66	0.41	0.12	0.10	0.00	0.07	0.05	0.17	0.21
HWQ14 - Lake Washington	0.18	0.46	0.93	0.63	0.35	0.11	0.10	0.05	0.03	0.09	0.16	0.14
HWQ16 - Bayou Grand Liard	0.18	0.19	0.33	0.28	0.22	0.10	-0.02	0.03	0.03	0.02	0.02	0.03
CRMS 3985	0.17	0.57	0.88	1.02	0.83	0.40	0.29	0.08	-0.14	0.01	0.01	0.01
CRMS 0258	0.35	0.29	0.60	1.15	0.99	0.07	0.00	0.02	0.02	0.00	0.10	0.09
CRMS 0224	0.45	0.36	1.02	1.10	1.17	0.26	0.01	0.00	0.02	0.06	0.22	0.27
CRMS 0163	0.01	0.01	0.01	0.00	-0.01	-0.06	-0.01	0.01	0.06	0.03	0.01	0.00
CRMS 0162	0.00	0.01	0.00	0.00	-0.01	-0.11	-0.08	-0.07	-0.01	0.01	0.00	0.00

Figure WQ NO3 61 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.74	0.23	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.12	0.21
CRMS0276 - Just east of Wilkinson Canal	1.02	1.29	1.23	0.82	0.42	0.11	0.13	0.21	0.51	0.46	0.57	1.22
Barataria Waterway at Lafitte (USACE82875)	1.42	1.37	1.34	1.24	0.51	0.05	0.15	0.01	0.35	0.18	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.74	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.16	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.40	0.01	0.01	0.02	0.07	0.16	0.17	0.07	0.16	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.70	0.79	0.27	0.07	0.01	0.03	0.05	0.09	0.12	0.06	0.19	0.30
USGS 07380335 - Little Lake Near Cutoff	0.74	0.89	0.37	0.16	0.03	0.03	0.10	0.22	0.28	0.16	0.24	0.51
USGS073802516 Barataria Pass at Grand Isle	0.69	0.83	0.26	0.08	0.01	0.01	0.03	0.08	0.15	0.02	0.15	0.32
HWQ14 - Lake Washington	0.70	0.69	0.24	0.01	0.01	0.02	0.08	0.18	0.18	0.07	0.16	0.14
HWQ16 - Bayou Grand Liard	0.81	1.04	0.88	0.64	0.54	0.37	0.50	0.56	0.52	0.29	0.29	0.71
CRMS 3985	0.87	0.75	0.55	0.02	0.04	0.08	0.22	0.48	0.39	0.23	0.19	0.46
CRMS 0258	0.81	0.93	0.61	0.04	0.00	0.02	0.03	0.00	0.02	0.01	0.43	0.79
CRMS 0224	0.68	0.85	0.23	0.10	0.00	0.00	0.01	0.01	0.07	0.01	0.27	0.53
CRMS 0163	1.32	1.21	1.17	1.21	1.21	0.42	0.08	0.12	0.86	0.84	1.39	1.32
CRMS 0162	1.30	1.20	1.18	1.21	1.23	1.13	1.31	1.08	1.17	1.16	1.37	1.30

V3PR6 HYST - cy 1 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.27	1.19	1.28	1.22	1.17	1.27	1.26
CRMS0276 - Just east of Wilkinson Canal	1.20	1.30	1.27	0.77	0.50	0.07	0.09	0.20	0.52	0.49	0.60	1.18
Barataria Waterway at Lafitte (USACE82875)	1.43	1.39	1.35	1.11	0.45	0.05	0.18	0.03	0.42	0.21	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.19	1.15	1.17	1.17	0.42	0.01	0.00	0.16	0.18	0.83	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.20	1.18	1.17	1.18	0.20	0.09	0.10	0.16	0.12	0.47	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.20	1.17	1.19	1.20	0.32	0.09	0.12	0.19	0.12	0.49	1.04
USGS 07380335 - Little Lake Near Cutoff	1.21	1.23	1.20	1.20	1.20	0.31	0.13	0.27	0.36	0.22	0.45	1.00
USGS073802516 Barataria Pass at Grand Isle	1.10	1.19	1.17	0.63	0.47	0.06	0.03	0.09	0.21	0.05	0.34	0.81
HWQ14 - Lake Washington	0.98	1.10	1.11	0.52	0.40	0.08	0.10	0.16	0.20	0.15	0.35	0.74
HWQ16 - Bayou Grand Liard	1.00	1.23	1.21	0.89	0.76	0.39	0.46	0.58	0.53	0.33	0.35	0.83
CRMS 3985	1.04	1.17	1.19	0.99	0.89	0.23	0.29	0.30	0.27	0.27	0.48	0.92
CRMS 0258	1.25	1.23	1.20	1.24	1.02	0.01	0.01	0.00	0.03	0.01	0.51	1.02
CRMS 0224	1.25	1.21	1.19	1.23	1.18	0.02	0.01	0.01	0.09	0.07	0.51	1.01
CRMS 0163	1.33	1.23	1.18	1.22	1.21	0.44	0.08	0.14	0.90	0.88	1.38	1.33
CRMS 0162	1.30	1.22	1.18	1.21	1.23	0.99	1.24	1.03	1.15	1.13	1.33	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.45	0.93	1.16	1.16	1.27	1.18	1.27	1.21	1.17	1.15	1.05
CRMS0276 - Just east of Wilkinson Canal	0.18	0.01	0.04	-0.05	0.08	-0.04	-0.03	-0.01	0.01	0.03	0.03	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.01	-0.13	-0.06	0.00	0.03	0.01	0.08	0.03	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.45	0.99	1.16	1.17	0.42	0.00	0.00	0.15	0.18	0.67	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.35	0.46	0.78	1.16	1.17	0.18	0.02	-0.06	-0.02	0.05	0.32	0.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.50	0.41	0.91	1.12	1.19	0.30	0.03	0.03	0.07	0.06	0.30	0.74
USGS 07380335 - Little Lake Near Cutoff	0.47	0.33	0.84	1.04	1.16	0.27	0.03	0.04	0.08	0.06	0.21	0.49
USGS073802516 Barataria Pass at Grand Isle	0.41	0.36	0.91	0.56	0.45	0.05	0.00	0.01	0.07	0.03	0.19	0.49
HWQ14 - Lake Washington	0.28	0.41	0.87	0.52	0.40	0.06	0.02	-0.03	0.02	0.08	0.19	0.59
HWQ16 - Bayou Grand Liard	0.19	0.18	0.32	0.25	0.22	0.03	-0.04	0.02	0.01	0.04	0.06	0.12
CRMS 3985	0.18	0.42	0.64	0.97	0.85	0.15	0.07	-0.17	-0.13	0.05	0.30	0.46
CRMS 0258	0.44	0.29	0.59	1.20	1.02	-0.01	-0.02	0.00	0.01	0.00	0.08	0.24
CRMS 0224	0.58	0.36	0.96	1.13	1.17	0.02	0.00	0.00	0.02	0.05	0.25	0.48
CRMS 0163	0.01	0.02	0.01	0.00	0.00	0.01	0.00	0.01	0.04	0.03	-0.01	0.01
CRMS 0162	0.00	0.01	0.00	0.00	0.00	-0.14	-0.07	-0.05	-0.02	-0.03	-0.03	0.00

Figure WQ NO3 62 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.70	0.17	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
CRMS0276 - Just east of Wilkinson Canal	0.92	1.26	1.07	0.82	0.53	0.22	0.10	0.20	0.43	0.52	0.99	1.18
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.43	1.15	0.68	0.09	0.02	0.01	0.12	0.70	1.36	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.66	0.13	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.48	0.01	0.01	0.03	0.08	0.06	0.13	0.11	0.25	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.76	0.27	0.04	0.01	0.02	0.03	0.05	0.09	0.05	0.32	0.34
USGS 07380335 - Little Lake Near Cutoff	0.70	0.85	0.32	0.14	0.02	0.02	0.07	0.13	0.21	0.14	0.44	0.54
USGS073802516 Barataria Pass at Grand Isle	0.69	0.80	0.25	0.08	0.01	0.01	0.01	0.02	0.08	0.02	0.28	0.36
HWQ14 - Lake Washington	0.73	0.69	0.32	0.01	0.01	0.01	0.04	0.05	0.13	0.05	0.22	0.21
HWQ16 - Bayou Grand Liard	0.77	0.99	0.76	0.61	0.52	0.37	0.30	0.14	0.35	0.35	0.57	0.75
CRMS 3985	0.90	0.76	0.75	0.08	0.02	0.12	0.32	0.28	0.34	0.38	0.27	0.55
CRMS 0258	0.60	0.83	0.29	0.09	0.01	0.00	0.00	0.00	0.02	0.00	0.54	0.75
CRMS 0224	0.62	0.78	0.17	0.10	0.00	0.00	0.01	0.01	0.06	0.01	0.35	0.47
CRMS 0163	1.38	1.30	1.35	1.33	1.15	0.34	0.03	0.08	0.62	1.22	1.38	1.35
CRMS 0162	1.37	1.29	1.34	1.32	1.20	1.02	1.22	0.91	0.82	1.36	1.35	1.34

V3PR6 HYST - cy 1 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.27	1.31	1.24	1.29	1.28	1.29	1.35	1.23	1.15	1.22	1.26
CRMS0276 - Just east of Wilkinson Canal	0.93	1.25	0.98	0.82	0.42	0.20	0.09	0.18	0.43	0.54	0.99	1.19
Barataria Waterway at Lafitte (USACE82875)	1.45	1.43	1.46	1.15	0.67	0.10	0.03	0.01	0.14	0.75	1.40	1.51
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.25	1.20	0.79	1.09	0.01	0.01	0.00	0.11	0.19	0.72	1.02
USGS7380251 Barataria Bay North of Grand Isle	0.57	1.10	0.94	0.52	0.69	0.02	0.06	0.06	0.13	0.09	0.38	0.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	1.18	0.94	0.58	0.92	0.04	0.06	0.08	0.13	0.08	0.45	0.67
USGS 07380335 - Little Lake Near Cutoff	0.70	1.15	0.82	0.59	0.83	0.03	0.08	0.16	0.26	0.17	0.50	0.71
USGS073802516 Barataria Pass at Grand Isle	0.59	0.96	0.51	0.34	0.14	0.01	0.02	0.04	0.13	0.03	0.33	0.52
HWQ14 - Lake Washington	0.43	0.77	0.42	0.21	0.10	0.02	0.06	0.10	0.17	0.09	0.24	0.28
HWQ16 - Bayou Grand Liard	0.76	1.02	0.76	0.72	0.51	0.36	0.32	0.15	0.38	0.37	0.57	0.77
CRMS 3985	0.45	0.84	0.64	0.31	0.28	0.10	0.19	0.24	0.30	0.28	0.21	0.12
CRMS 0258	0.87	1.15	0.68	0.29	0.18	0.00	0.00	0.00	0.02	0.00	0.53	0.85
CRMS 0224	0.81	1.18	0.68	0.44	0.11	0.00	0.01	0.01	0.06	0.02	0.44	0.72
CRMS 0163	1.39	1.32	1.37	1.33	1.15	0.35	0.04	0.08	0.64	1.26	1.39	1.38
CRMS 0162	1.37	1.30	1.35	1.30	1.14	0.88	1.15	0.79	0.83	1.38	1.35	1.36

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.65	0.57	1.13	1.23	1.28	1.27	1.28	1.34	1.22	1.15	1.02	1.06
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.01	-0.10	0.00	-0.11	-0.02	-0.01	-0.01	0.00	0.01	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.03	0.01	-0.01	0.01	0.01	0.00	0.02	0.06	0.03	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.56	0.59	1.08	0.78	1.08	0.00	0.00	0.00	0.10	0.18	0.53	0.82
USGS7380251 Barataria Bay North of Grand Isle	-0.23	0.37	0.46	0.51	0.68	0.00	-0.02	-0.01	0.00	-0.02	0.13	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.42	0.67	0.54	0.92	0.03	0.02	0.03	0.03	0.03	0.13	0.33
USGS 07380335 - Little Lake Near Cutoff	0.00	0.30	0.50	0.45	0.81	0.01	0.02	0.03	0.04	0.03	0.06	0.17
USGS073802516 Barataria Pass at Grand Isle	-0.10	0.16	0.25	0.26	0.13	0.00	0.00	0.02	0.05	0.01	0.05	0.16
HWQ14 - Lake Washington	-0.30	0.07	0.10	0.20	0.09	0.01	0.02	0.05	0.04	0.04	0.02	0.07
HWQ16 - Bayou Grand Liard	0.00	0.03	0.01	0.10	0.00	-0.01	0.03	0.02	0.03	0.02	0.00	0.02
CRMS 3985	-0.45	0.08	-0.11	0.23	0.26	-0.02	-0.12	-0.04	-0.04	-0.10	-0.06	-0.44
CRMS 0258	0.26	0.32	0.39	0.20	0.18	0.00	0.00	0.00	0.00	0.00	-0.01	0.09
CRMS 0224	0.19	0.40	0.51	0.33	0.10	0.00	0.00	0.00	0.00	0.01	0.09	0.24
CRMS 0163	0.02	0.02	0.02	0.00	0.00	0.01	0.01	0.00	0.01	0.05	0.01	0.03
CRMS 0162	0.00	0.01	0.01	-0.02	-0.06	-0.14	-0.08	-0.11	0.00	0.02	0.00	0.03

Figure WQ NO3 63 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.86	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.07	1.30	1.10	0.82	0.45	0.25	0.15	0.24	0.67	0.55	0.66	1.00
Barataria Waterway at Lafitte (USACE82875)	1.39	1.34	1.42	1.22	0.50	0.26	0.53	0.23	0.60	0.53	1.01	1.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.85	0.21	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.51	0.01	0.01	0.02	0.06	0.07	0.18	0.10	0.28	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.92	0.35	0.07	0.01	0.03	0.06	0.09	0.12	0.08	0.28	0.49
USGS 07380335 - Little Lake Near Cutoff	0.83	0.99	0.41	0.17	0.03	0.05	0.14	0.26	0.28	0.20	0.35	0.55
USGS073802516 Barataria Pass at Grand Isle	0.81	0.93	0.32	0.09	0.01	0.01	0.04	0.09	0.17	0.03	0.21	0.46
HWQ14 - Lake Washington	0.83	0.86	0.35	0.01	0.01	0.02	0.09	0.11	0.18	0.10	0.23	0.54
HWQ16 - Bayou Grand Liard	0.91	1.09	0.85	0.66	0.50	0.48	0.61	0.72	0.61	0.42	0.37	0.61
CRMS 3985	1.03	0.99	0.63	0.03	0.04	0.09	0.20	0.23	0.40	0.29	0.48	0.90
CRMS 0258	0.84	1.00	0.64	0.04	0.00	0.00	0.00	0.00	0.09	0.01	0.58	0.76
CRMS 0224	0.75	0.94	0.26	0.10	0.00	0.00	0.01	0.01	0.05	0.03	0.36	0.53
CRMS 0163	1.26	1.18	1.25	1.25	1.20	0.77	0.29	0.18	1.10	1.16	1.34	1.36
CRMS 0162	1.24	1.18	1.25	1.23	1.27	1.20	1.33	1.25	1.32	1.40	1.31	1.37

V3PR6 HYST - cy 1 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.32	1.25	1.18	1.16	1.31	1.29
CRMS0276 - Just east of Wilkinson Canal	1.22	1.32	1.17	0.73	0.42	0.30	0.61	0.36	0.70	0.59	0.74	1.02
Barataria Waterway at Lafitte (USACE82875)	1.40	1.35	1.41	1.06	0.48	0.20	0.41	0.21	0.67	0.59	1.04	1.27
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.16	1.22	1.21	1.23	1.28	1.32	0.75	0.11	0.16	0.87	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.18	1.24	1.17	1.11	1.08	1.09	0.48	0.13	0.10	0.51	0.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.17	1.25	1.19	1.19	1.22	1.24	0.72	0.17	0.12	0.56	0.88
USGS 07380335 - Little Lake Near Cutoff	1.21	1.20	1.28	1.18	1.11	1.14	1.19	0.83	0.37	0.24	0.56	0.81
USGS073802516 Barataria Pass at Grand Isle	1.13	1.20	1.18	0.61	0.41	0.26	0.40	0.28	0.17	0.07	0.42	0.71
HWQ14 - Lake Washington	1.03	1.15	1.08	0.50	0.34	0.25	0.41	0.28	0.20	0.12	0.38	0.70
HWQ16 - Bayou Grand Liard	1.06	1.24	1.19	0.85	0.68	0.64	0.69	0.70	0.63	0.46	0.45	0.66
CRMS 3985	1.13	1.18	1.21	0.93	0.74	0.65	0.68	0.53	0.26	0.23	0.49	0.90
CRMS 0258	1.22	1.21	1.30	1.18	0.69	0.36	0.41	0.02	0.24	0.05	0.72	0.91
CRMS 0224	1.22	1.18	1.29	1.18	0.80	0.66	0.58	0.02	0.06	0.07	0.62	0.84
CRMS 0163	1.28	1.19	1.26	1.25	1.19	0.68	0.19	0.20	1.17	1.19	1.37	1.36
CRMS 0162	1.25	1.19	1.25	1.23	1.25	1.09	1.28	1.17	1.33	1.41	1.29	1.36

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.30	0.92	1.20	1.22	1.27	1.31	1.25	1.17	1.16	1.15	1.07
CRMS0276 - Just east of Wilkinson Canal	0.15	0.02	0.07	-0.09	-0.03	0.05	0.46	0.13	0.03	0.04	0.08	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.01	-0.15	-0.03	-0.06	-0.12	-0.01	0.07	0.06	0.03	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.49	0.31	1.01	1.20	1.23	1.27	1.31	0.75	0.10	0.16	0.66	0.87
USGS7380251 Barataria Bay North of Grand Isle	0.28	0.26	0.73	1.16	1.09	1.05	1.02	0.41	-0.04	0.01	0.23	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.40	0.26	0.90	1.13	1.18	1.19	1.18	0.63	0.05	0.04	0.28	0.40
USGS 07380335 - Little Lake Near Cutoff	0.38	0.21	0.88	1.01	1.08	1.09	1.04	0.57	0.08	0.04	0.20	0.26
USGS073802516 Barataria Pass at Grand Isle	0.32	0.27	0.85	0.52	0.40	0.25	0.36	0.19	0.01	0.04	0.20	0.24
HWQ14 - Lake Washington	0.20	0.29	0.72	0.50	0.34	0.23	0.32	0.17	0.02	0.03	0.14	0.16
HWQ16 - Bayou Grand Liard	0.15	0.15	0.34	0.19	0.19	0.15	0.09	-0.02	0.01	0.04	0.08	0.05
CRMS 3985	0.10	0.20	0.58	0.90	0.69	0.56	0.47	0.30	-0.13	-0.06	0.01	0.00
CRMS 0258	0.38	0.20	0.66	1.13	0.68	0.35	0.41	0.02	0.15	0.04	0.14	0.15
CRMS 0224	0.46	0.24	1.04	1.08	0.80	0.65	0.57	0.01	0.00	0.04	0.26	0.31
CRMS 0163	0.01	0.01	0.01	0.00	-0.01	-0.09	-0.10	0.01	0.07	0.03	0.02	0.00
CRMS 0162	0.01	0.01	0.00	0.00	-0.02	-0.11	-0.05	-0.08	0.01	0.01	-0.02	0.00

Figure WQ NO3 64 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.81	0.35	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.13	0.25
CRMS0276 - Just east of Wilkinson Canal	1.06	1.24	1.24	0.94	0.88	0.18	0.13	0.52	0.81	0.58	0.46	1.20
Barataria Waterway at Lafitte (USACE82875)	1.45	1.51	1.38	1.33	1.14	0.20	0.25	0.05	0.39	0.27	1.07	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.82	0.26	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.90	0.91	0.62	0.01	0.01	0.02	0.06	0.07	0.18	0.11	0.16	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.88	0.40	0.09	0.02	0.03	0.05	0.09	0.13	0.07	0.18	0.36
USGS 07380335 - Little Lake Near Cutoff	0.82	0.92	0.46	0.23	0.09	0.05	0.11	0.25	0.33	0.19	0.22	0.53
USGS073802516 Barataria Pass at Grand Isle	0.78	0.88	0.36	0.11	0.03	0.01	0.03	0.09	0.18	0.03	0.13	0.37
HWQ14 - Lake Washington	0.80	0.86	0.44	0.01	0.01	0.02	0.08	0.10	0.18	0.10	0.14	0.29
HWQ16 - Bayou Grand Liard	0.88	0.98	0.85	0.73	0.72	0.46	0.57	0.70	0.61	0.39	0.24	0.75
CRMS 3985	1.03	0.97	0.83	0.07	0.04	0.08	0.20	0.24	0.38	0.33	0.24	0.73
CRMS 0258	0.85	0.89	0.77	0.11	0.00	0.00	0.00	0.01	0.22	0.17	0.48	0.82
CRMS 0224	0.77	0.87	0.33	0.13	0.00	0.00	0.01	0.00	0.14	0.04	0.27	0.55
CRMS 0163	1.35	1.42	1.23	1.24	1.15	1.16	0.18	0.17	0.94	1.01	1.38	1.24
CRMS 0162	1.31	1.36	1.23	1.23	1.15	1.22	1.34	1.21	1.30	1.24	1.35	1.22

V3PR6 HYST - cy 1 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.30	1.33	1.20	1.19	1.09	1.19	1.31	1.20	1.18	1.17	1.30	1.21
CRMS0276 - Just east of Wilkinson Canal	1.28	1.28	1.24	0.94	0.71	0.25	0.45	0.13	0.60	0.53	0.57	1.25
Barataria Waterway at Lafitte (USACE82875)	1.46	1.51	1.39	1.30	1.05	0.16	0.20	0.06	0.47	0.34	1.09	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.32	1.19	1.19	1.09	1.19	1.31	0.10	0.12	0.17	0.89	1.20
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.14	1.18	1.19	1.13	1.11	0.94	0.08	0.15	0.13	0.53	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.22	1.19	1.21	1.14	1.20	1.20	0.21	0.18	0.13	0.56	1.21
USGS 07380335 - Little Lake Near Cutoff	1.25	1.21	1.21	1.22	1.16	1.15	1.13	0.38	0.37	0.23	0.51	1.22
USGS073802516 Barataria Pass at Grand Isle	1.19	1.13	1.08	0.74	0.69	0.23	0.27	0.05	0.18	0.07	0.39	1.06
HWQ14 - Lake Washington	1.08	1.05	1.01	0.65	0.61	0.24	0.28	0.16	0.20	0.15	0.38	0.94
HWQ16 - Bayou Grand Liard	1.04	1.07	1.11	0.98	0.94	0.55	0.61	0.63	0.60	0.41	0.34	1.03
CRMS 3985	1.10	1.10	1.14	1.04	0.97	0.66	0.60	0.40	0.25	0.27	0.49	1.08
CRMS 0258	1.44	1.35	1.20	1.23	1.07	0.68	0.31	0.04	0.21	0.02	0.68	1.20
CRMS 0224	1.36	1.29	1.20	1.24	1.14	0.99	0.48	0.00	0.06	0.06	0.59	1.20
CRMS 0163	1.36	1.42	1.25	1.24	1.15	1.06	0.12	0.17	1.00	1.07	1.38	1.26
CRMS 0162	1.31	1.34	1.24	1.22	1.15	1.16	1.29	1.12	1.31	1.25	1.32	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.52	0.85	1.18	1.08	1.18	1.31	1.20	1.17	1.17	1.17	0.96
CRMS0276 - Just east of Wilkinson Canal	0.22	0.04	0.01	0.00	-0.17	0.06	0.31	-0.38	-0.22	-0.05	0.11	0.05
Barataria Waterway at Lafitte (USACE82875)	0.02	0.00	0.01	-0.04	-0.08	-0.04	-0.05	0.01	0.09	0.07	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.50	0.93	1.18	1.08	1.19	1.31	0.10	0.11	0.16	0.71	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.23	0.56	1.18	1.12	1.09	0.88	0.01	-0.03	0.02	0.37	0.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.46	0.35	0.79	1.12	1.12	1.17	1.15	0.12	0.05	0.05	0.38	0.85
USGS 07380335 - Little Lake Near Cutoff	0.42	0.29	0.75	0.99	1.07	1.10	1.02	0.13	0.04	0.04	0.29	0.69
USGS073802516 Barataria Pass at Grand Isle	0.40	0.25	0.72	0.63	0.65	0.22	0.24	-0.04	0.00	0.04	0.26	0.69
HWQ14 - Lake Washington	0.29	0.19	0.57	0.64	0.61	0.22	0.20	0.06	0.02	0.05	0.24	0.65
HWQ16 - Bayou Grand Liard	0.16	0.09	0.26	0.25	0.22	0.09	0.04	-0.07	-0.01	0.01	0.10	0.28
CRMS 3985	0.07	0.13	0.31	0.97	0.94	0.58	0.40	0.16	-0.13	-0.06	0.26	0.35
CRMS 0258	0.59	0.46	0.43	1.12	1.07	0.67	0.31	0.03	-0.01	-0.14	0.21	0.38
CRMS 0224	0.59	0.42	0.86	1.11	1.14	0.99	0.48	0.00	-0.08	0.03	0.33	0.65
CRMS 0163	0.01	0.00	0.01	0.01	0.00	-0.09	-0.06	-0.01	0.06	0.05	0.00	0.02
CRMS 0162	0.00	-0.02	0.01	0.00	0.00	-0.05	-0.05	-0.09	0.01	0.01	-0.03	0.02

Figure WQ NO3 65 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.76	0.22	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.05	1.30	1.24	0.86	0.37	0.14	0.12	0.23	0.56	0.60	0.96	1.13
Barataria Waterway at Lafitte (USACE82875)	1.39	1.39	1.38	1.33	0.42	0.11	0.11	0.01	0.46	0.70	1.34	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.78	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.87	0.67	0.30	0.01	0.01	0.01	0.04	0.08	0.17	0.08	0.28	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.81	0.22	0.06	0.01	0.02	0.05	0.07	0.11	0.06	0.32	0.51
USGS 07380335 - Little Lake Near Cutoff	0.80	0.91	0.34	0.17	0.02	0.03	0.11	0.22	0.27	0.18	0.46	0.63
USGS073802516 Barataria Pass at Grand Isle	0.78	0.84	0.22	0.08	0.01	0.01	0.02	0.07	0.13	0.03	0.28	0.51
HWQ14 - Lake Washington	0.79	0.68	0.17	0.01	0.01	0.01	0.05	0.07	0.17	0.07	0.23	0.54
HWQ16 - Bayou Grand Liard	0.84	1.05	0.88	0.69	0.49	0.40	0.54	0.49	0.52	0.43	0.57	0.75
CRMS 3985	0.92	0.61	0.32	0.02	0.02	0.06	0.12	0.26	0.41	0.29	0.49	0.85
CRMS 0258	0.85	0.97	0.64	0.06	0.00	0.00	0.00	0.01	0.03	0.01	0.58	0.80
CRMS 0224	0.74	0.88	0.21	0.10	0.00	0.00	0.01	0.01	0.07	0.02	0.39	0.57
CRMS 0163	1.28	1.24	1.21	1.19	1.23	0.61	0.08	0.14	0.94	1.23	1.37	1.36
CRMS 0162	1.26	1.23	1.21	1.19	1.25	1.15	1.32	1.11	1.31	1.42	1.32	1.35

V3PR7 HYST - cy 1 - 1975 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.21	1.19	1.15	1.19	1.30	1.24	1.28	1.21	1.15	1.27	1.28
CRMS0276 - Just east of Wilkinson Canal	1.20	1.33	1.29	0.83	0.44	0.17	0.19	0.17	0.59	0.61	0.99	1.19
Barataria Waterway at Lafitte (USACE82875)	1.41	1.40	1.39	1.31	0.36	0.09	0.12	0.01	0.54	0.76	1.40	1.51
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.21	1.18	1.15	1.20	1.31	0.47	0.00	0.13	0.19	0.85	1.07
USGS7380251 Barataria Bay North of Grand Isle	1.04	1.21	1.20	1.17	1.19	0.88	0.25	0.09	0.17	0.14	0.50	0.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.22	1.21	1.17	1.22	1.18	0.46	0.11	0.18	0.13	0.57	0.80
USGS 07380335 - Little Lake Near Cutoff	1.11	1.25	1.24	1.18	1.20	1.06	0.53	0.21	0.36	0.25	0.60	0.81
USGS073802516 Barataria Pass at Grand Isle	0.88	1.18	1.17	0.73	0.42	0.13	0.13	0.07	0.20	0.07	0.45	0.65
HWQ14 - Lake Washington	0.66	1.07	1.08	0.64	0.36	0.12	0.15	0.13	0.20	0.16	0.37	0.47
HWQ16 - Bayou Grand Liard	0.97	1.23	1.20	0.97	0.71	0.49	0.53	0.51	0.54	0.45	0.60	0.79
CRMS 3985	0.76	1.15	1.19	1.04	0.87	0.47	0.41	0.34	0.28	0.29	0.41	0.22
CRMS 0258	1.19	1.26	1.25	1.21	0.96	0.06	0.01	0.04	0.05	0.01	0.68	0.89
CRMS 0224	1.18	1.25	1.23	1.21	1.15	0.23	0.01	0.00	0.08	0.07	0.61	0.83
CRMS 0163	1.30	1.26	1.22	1.19	1.22	0.54	0.07	0.14	0.99	1.26	1.40	1.39
CRMS 0162	1.27	1.24	1.21	1.19	1.25	1.03	1.23	1.04	1.30	1.43	1.33	1.38

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.45	0.46	0.97	1.14	1.18	1.30	1.23	1.27	1.19	1.15	1.10	1.07
CRMS0276 - Just east of Wilkinson Canal	0.15	0.03	0.05	-0.03	0.06	0.03	0.07	-0.06	0.03	0.01	0.04	0.05
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.00	-0.02	-0.06	-0.02	0.01	0.00	0.08	0.06	0.05	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.51	0.43	1.02	1.14	1.19	1.30	0.47	0.00	0.11	0.19	0.66	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.54	0.90	1.16	1.18	0.87	0.21	0.01	0.00	0.06	0.22	-0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.42	0.98	1.11	1.21	1.15	0.41	0.03	0.07	0.07	0.25	0.28
USGS 07380335 - Little Lake Near Cutoff	0.31	0.34	0.90	1.01	1.18	1.03	0.42	-0.01	0.09	0.07	0.14	0.18
USGS073802516 Barataria Pass at Grand Isle	0.11	0.34	0.95	0.65	0.41	0.11	0.10	-0.01	0.07	0.04	0.17	0.14
HWQ14 - Lake Washington	-0.13	0.39	0.92	0.63	0.36	0.11	0.10	0.06	0.03	0.09	0.14	-0.07
HWQ16 - Bayou Grand Liard	0.13	0.18	0.33	0.27	0.22	0.10	-0.01	0.02	0.02	0.02	0.02	0.04
CRMS 3985	-0.15	0.53	0.87	1.02	0.84	0.41	0.29	0.09	-0.13	0.01	-0.08	-0.64
CRMS 0258	0.34	0.29	0.61	1.15	0.95	0.06	0.01	0.02	0.02	0.00	0.10	0.09
CRMS 0224	0.44	0.36	1.02	1.10	1.15	0.22	0.01	0.00	0.02	0.05	0.22	0.26
CRMS 0163	0.01	0.01	0.01	0.00	-0.01	-0.07	-0.01	0.01	0.05	0.03	0.03	0.03
CRMS 0162	0.01	0.01	0.00	0.00	-0.01	-0.12	-0.09	-0.07	-0.01	0.01	0.01	0.03

Figure WQ NO3 66 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.74	0.23	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.12	0.21
CRMS0276 - Just east of Wilkinson Canal	1.02	1.29	1.23	0.82	0.42	0.11	0.13	0.21	0.51	0.46	0.57	1.22
Barataria Waterway at Lafitte (USACE82875)	1.42	1.37	1.34	1.24	0.51	0.05	0.15	0.01	0.35	0.18	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.74	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.16	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.40	0.01	0.01	0.02	0.07	0.16	0.17	0.07	0.16	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.70	0.79	0.27	0.07	0.01	0.03	0.05	0.09	0.12	0.06	0.19	0.30
USGS 07380335 - Little Lake Near Cutoff	0.74	0.89	0.37	0.16	0.03	0.03	0.10	0.22	0.28	0.16	0.24	0.51
USGS073802516 Barataria Pass at Grand Isle	0.69	0.83	0.26	0.08	0.01	0.01	0.03	0.08	0.15	0.02	0.15	0.32
HWQ14 - Lake Washington	0.70	0.69	0.24	0.01	0.01	0.02	0.08	0.18	0.18	0.07	0.16	0.14
HWQ16 - Bayou Grand Liard	0.81	1.04	0.88	0.64	0.54	0.37	0.50	0.56	0.52	0.29	0.29	0.71
CRMS 3985	0.87	0.75	0.55	0.02	0.04	0.08	0.22	0.48	0.39	0.23	0.19	0.46
CRMS 0258	0.81	0.93	0.61	0.04	0.00	0.02	0.03	0.00	0.02	0.01	0.43	0.79
CRMS 0224	0.68	0.85	0.23	0.10	0.00	0.00	0.01	0.01	0.07	0.01	0.27	0.53
CRMS 0163	1.32	1.21	1.17	1.21	1.21	0.42	0.08	0.12	0.86	0.84	1.39	1.32
CRMS 0162	1.30	1.20	1.18	1.21	1.23	1.13	1.31	1.08	1.17	1.16	1.37	1.30

V3PR7 HYST - cy 1 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.27	1.19	1.27	1.22	1.20	1.27	1.26
CRMS0276 - Just east of Wilkinson Canal	1.21	1.30	1.27	0.77	0.50	0.07	0.09	0.20	0.53	0.49	0.60	1.19
Barataria Waterway at Lafitte (USACE82875)	1.44	1.39	1.35	1.11	0.45	0.06	0.18	0.02	0.42	0.21	1.18	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.18	1.15	1.17	1.18	0.42	0.01	0.00	0.14	0.20	0.84	1.13
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.20	1.18	1.17	1.18	0.20	0.10	0.10	0.16	0.12	0.48	1.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.20	1.17	1.19	1.20	0.33	0.09	0.12	0.18	0.12	0.50	1.04
USGS 07380335 - Little Lake Near Cutoff	1.21	1.23	1.20	1.20	1.20	0.31	0.13	0.26	0.35	0.22	0.46	1.00
USGS073802516 Barataria Pass at Grand Isle	1.11	1.19	1.17	0.64	0.47	0.06	0.03	0.08	0.21	0.05	0.35	0.81
HWQ14 - Lake Washington	0.98	1.11	1.12	0.53	0.41	0.08	0.10	0.16	0.19	0.15	0.35	0.74
HWQ16 - Bayou Grand Liard	1.02	1.23	1.21	0.89	0.75	0.40	0.46	0.56	0.53	0.34	0.35	0.85
CRMS 3985	1.05	1.17	1.19	1.00	0.91	0.23	0.29	0.30	0.26	0.27	0.48	0.92
CRMS 0258	1.25	1.23	1.21	1.24	0.99	0.01	0.01	0.00	0.03	0.01	0.52	1.03
CRMS 0224	1.25	1.21	1.19	1.23	1.16	0.02	0.01	0.00	0.09	0.07	0.52	1.00
CRMS 0163	1.33	1.23	1.18	1.21	1.21	0.43	0.08	0.14	0.91	0.87	1.38	1.33
CRMS 0162	1.30	1.22	1.18	1.21	1.23	1.00	1.24	1.01	1.16	1.13	1.34	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.45	0.93	1.16	1.16	1.27	1.18	1.26	1.21	1.19	1.15	1.05
CRMS0276 - Just east of Wilkinson Canal	0.18	0.01	0.04	-0.06	0.08	-0.04	-0.03	-0.02	0.02	0.03	0.03	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.01	-0.14	-0.06	0.00	0.02	0.01	0.07	0.03	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.45	0.99	1.16	1.17	0.42	0.00	0.00	0.13	0.19	0.69	0.89
USGS7380251 Barataria Bay North of Grand Isle	0.35	0.46	0.78	1.17	1.17	0.18	0.02	-0.06	-0.01	0.05	0.32	0.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.50	0.41	0.91	1.12	1.19	0.30	0.04	0.03	0.07	0.06	0.31	0.74
USGS 07380335 - Little Lake Near Cutoff	0.47	0.33	0.84	1.04	1.16	0.27	0.03	0.04	0.07	0.06	0.22	0.49
USGS073802516 Barataria Pass at Grand Isle	0.42	0.36	0.92	0.56	0.45	0.05	0.00	0.00	0.06	0.03	0.20	0.49
HWQ14 - Lake Washington	0.28	0.42	0.87	0.53	0.40	0.06	0.02	-0.02	0.01	0.08	0.20	0.59
HWQ16 - Bayou Grand Liard	0.20	0.18	0.32	0.25	0.22	0.03	-0.04	0.00	0.01	0.05	0.07	0.13
CRMS 3985	0.18	0.42	0.64	0.98	0.87	0.15	0.07	-0.17	-0.13	0.05	0.29	0.46
CRMS 0258	0.45	0.29	0.60	1.20	0.98	-0.01	-0.02	0.00	0.01	0.00	0.09	0.24
CRMS 0224	0.58	0.36	0.96	1.13	1.16	0.02	0.00	0.00	0.02	0.05	0.25	0.48
CRMS 0163	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.02	0.05	0.03	-0.01	0.01
CRMS 0162	0.00	0.01	0.00	0.00	0.00	-0.13	-0.07	-0.07	-0.01	-0.02	-0.03	0.00

Figure WQ NO3 67 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.70	0.17	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
CRMS0276 - Just east of Wilkinson Canal	0.92	1.26	1.07	0.82	0.53	0.22	0.10	0.20	0.43	0.52	0.99	1.18
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.43	1.15	0.68	0.09	0.02	0.01	0.12	0.70	1.36	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.66	0.13	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.48	0.01	0.01	0.03	0.08	0.06	0.13	0.11	0.25	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.76	0.27	0.04	0.01	0.02	0.03	0.05	0.09	0.05	0.32	0.34
USGS 07380335 - Little Lake Near Cutoff	0.70	0.85	0.32	0.14	0.02	0.02	0.07	0.13	0.21	0.14	0.44	0.54
USGS073802516 Barataria Pass at Grand Isle	0.69	0.80	0.25	0.08	0.01	0.01	0.01	0.02	0.08	0.02	0.28	0.36
HWQ14 - Lake Washington	0.73	0.69	0.32	0.01	0.01	0.01	0.04	0.05	0.13	0.05	0.22	0.21
HWQ16 - Bayou Grand Liard	0.77	0.99	0.76	0.61	0.52	0.37	0.30	0.14	0.35	0.35	0.57	0.75
CRMS 3985	0.90	0.76	0.75	0.08	0.02	0.12	0.32	0.28	0.34	0.38	0.27	0.55
CRMS 0258	0.60	0.83	0.29	0.09	0.01	0.00	0.00	0.00	0.02	0.00	0.54	0.75
CRMS 0224	0.62	0.78	0.17	0.10	0.00	0.00	0.01	0.01	0.06	0.01	0.35	0.47
CRMS 0163	1.38	1.30	1.35	1.33	1.15	0.34	0.03	0.08	0.62	1.22	1.38	1.35
CRMS 0162	1.37	1.29	1.34	1.32	1.20	1.02	1.22	0.91	0.82	1.36	1.35	1.34

V3PR7 HYST - cy 1 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.27	1.31	1.24	1.29	1.27	1.28	1.34	1.23	1.17	1.20	1.25
CRMS0276 - Just east of Wilkinson Canal	0.98	1.26	0.97	0.83	0.42	0.20	0.09	0.20	0.46	0.58	0.99	1.16
Barataria Waterway at Lafitte (USACE82875)	1.43	1.43	1.46	1.14	0.68	0.10	0.03	0.01	0.14	0.75	1.38	1.48
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.25	1.20	0.81	1.09	0.01	0.01	0.00	0.09	0.17	0.72	1.00
USGS7380251 Barataria Bay North of Grand Isle	0.95	1.14	0.98	0.53	0.69	0.02	0.06	0.06	0.13	0.09	0.45	0.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.94	1.21	0.99	0.59	0.93	0.05	0.06	0.08	0.13	0.08	0.47	0.82
USGS 07380335 - Little Lake Near Cutoff	0.88	1.19	0.88	0.60	0.83	0.03	0.08	0.15	0.26	0.17	0.50	0.79
USGS073802516 Barataria Pass at Grand Isle	0.85	1.05	0.57	0.35	0.15	0.01	0.02	0.04	0.13	0.03	0.34	0.65
HWQ14 - Lake Washington	0.84	0.90	0.51	0.22	0.10	0.02	0.06	0.09	0.17	0.09	0.29	0.61
HWQ16 - Bayou Grand Liard	0.80	1.06	0.78	0.73	0.52	0.36	0.32	0.16	0.37	0.37	0.57	0.77
CRMS 3985	0.92	0.94	0.72	0.32	0.28	0.10	0.19	0.24	0.31	0.28	0.45	0.82
CRMS 0258	0.91	1.16	0.69	0.28	0.17	0.00	0.00	0.00	0.02	0.00	0.53	0.84
CRMS 0224	0.93	1.19	0.71	0.43	0.11	0.01	0.01	0.01	0.06	0.02	0.44	0.76
CRMS 0163	1.38	1.32	1.37	1.33	1.16	0.35	0.03	0.07	0.64	1.27	1.36	1.35
CRMS 0162	1.37	1.30	1.35	1.30	1.16	0.87	1.14	0.81	0.81	1.38	1.32	1.34

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.67	0.57	1.13	1.23	1.28	1.27	1.27	1.33	1.22	1.16	1.00	1.05
CRMS0276 - Just east of Wilkinson Canal	0.06	0.00	-0.10	0.01	-0.12	-0.02	-0.01	0.00	0.04	0.05	0.00	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.03	0.00	0.00	0.01	0.01	0.00	0.02	0.06	0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.59	1.07	0.79	1.08	0.00	0.00	0.00	0.08	0.17	0.53	0.80
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.41	0.50	0.52	0.69	0.00	-0.02	-0.01	0.01	-0.02	0.20	0.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.25	0.45	0.72	0.54	0.92	0.03	0.02	0.03	0.03	0.03	0.15	0.48
USGS 07380335 - Little Lake Near Cutoff	0.18	0.34	0.56	0.45	0.80	0.01	0.01	0.03	0.05	0.03	0.06	0.25
USGS073802516 Barataria Pass at Grand Isle	0.17	0.25	0.32	0.27	0.13	0.00	0.00	0.02	0.05	0.01	0.06	0.30
HWQ14 - Lake Washington	0.12	0.21	0.20	0.21	0.09	0.01	0.02	0.05	0.05	0.04	0.07	0.40
HWQ16 - Bayou Grand Liard	0.03	0.07	0.03	0.12	0.00	-0.01	0.02	0.02	0.02	0.02	0.00	0.02
CRMS 3985	0.02	0.18	-0.03	0.25	0.27	-0.01	-0.12	-0.04	-0.03	-0.10	0.18	0.27
CRMS 0258	0.31	0.33	0.40	0.19	0.17	0.00	0.00	0.00	0.00	0.00	-0.01	0.09
CRMS 0224	0.31	0.41	0.53	0.33	0.10	0.00	0.00	0.00	0.00	0.01	0.09	0.28
CRMS 0163	0.00	0.02	0.02	0.00	0.01	0.01	0.00	-0.01	0.02	0.05	-0.02	0.00
CRMS 0162	-0.01	0.01	0.01	-0.01	-0.05	-0.15	-0.08	-0.09	-0.02	0.02	-0.03	0.00

Figure WQ NO3 68 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.86	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.07	1.30	1.10	0.82	0.45	0.25	0.15	0.24	0.67	0.55	0.66	1.00
Barataria Waterway at Lafitte (USACE82875)	1.39	1.34	1.42	1.22	0.50	0.26	0.53	0.23	0.60	0.53	1.01	1.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.85	0.21	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.51	0.01	0.01	0.02	0.06	0.07	0.18	0.10	0.28	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.92	0.35	0.07	0.01	0.03	0.06	0.09	0.12	0.08	0.28	0.49
USGS 07380335 - Little Lake Near Cutoff	0.83	0.99	0.41	0.17	0.03	0.05	0.14	0.26	0.28	0.20	0.35	0.55
USGS073802516 Barataria Pass at Grand Isle	0.81	0.93	0.32	0.09	0.01	0.01	0.04	0.09	0.17	0.03	0.21	0.46
HWQ14 - Lake Washington	0.83	0.86	0.35	0.01	0.01	0.02	0.09	0.11	0.18	0.10	0.23	0.54
HWQ16 - Bayou Grand Liard	0.91	1.09	0.85	0.66	0.50	0.48	0.61	0.72	0.61	0.42	0.37	0.61
CRMS 3985	1.03	0.99	0.63	0.03	0.04	0.09	0.20	0.23	0.40	0.29	0.48	0.90
CRMS 0258	0.84	1.00	0.64	0.04	0.00	0.00	0.00	0.00	0.09	0.01	0.58	0.76
CRMS 0224	0.75	0.94	0.26	0.10	0.00	0.00	0.01	0.01	0.05	0.03	0.36	0.53
CRMS 0163	1.26	1.18	1.25	1.25	1.20	0.77	0.29	0.18	1.10	1.16	1.34	1.36
CRMS 0162	1.24	1.18	1.25	1.23	1.27	1.20	1.33	1.25	1.32	1.40	1.31	1.37

V3PR7 HYST - cy 1 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.32	1.25	1.18	1.17	1.31	1.29
CRMS0276 - Just east of Wilkinson Canal	1.22	1.32	1.17	0.72	0.44	0.30	0.61	0.35	0.70	0.58	0.73	1.01
Barataria Waterway at Lafitte (USACE82875)	1.40	1.35	1.41	1.07	0.46	0.21	0.41	0.21	0.67	0.60	1.04	1.27
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.16	1.22	1.21	1.24	1.28	1.32	0.74	0.09	0.16	0.87	1.07
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.17	1.24	1.17	1.11	1.03	1.06	0.44	0.13	0.10	0.51	0.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.17	1.25	1.19	1.19	1.21	1.24	0.72	0.17	0.12	0.56	0.89
USGS 07380335 - Little Lake Near Cutoff	1.21	1.20	1.29	1.18	1.11	1.14	1.18	0.82	0.37	0.24	0.55	0.81
USGS073802516 Barataria Pass at Grand Isle	1.13	1.21	1.18	0.62	0.41	0.27	0.39	0.28	0.17	0.07	0.42	0.71
HWQ14 - Lake Washington	1.03	1.15	1.08	0.51	0.35	0.26	0.40	0.27	0.20	0.12	0.37	0.70
HWQ16 - Bayou Grand Liard	1.06	1.25	1.18	0.85	0.68	0.64	0.69	0.69	0.62	0.46	0.45	0.66
CRMS 3985	1.13	1.18	1.22	0.95	0.75	0.65	0.68	0.53	0.27	0.23	0.48	0.90
CRMS 0258	1.22	1.21	1.30	1.17	0.66	0.29	0.37	0.02	0.25	0.06	0.72	0.91
CRMS 0224	1.22	1.18	1.29	1.18	0.77	0.58	0.57	0.02	0.06	0.07	0.62	0.84
CRMS 0163	1.28	1.19	1.26	1.25	1.19	0.67	0.20	0.19	1.18	1.20	1.37	1.36
CRMS 0162	1.25	1.19	1.25	1.23	1.25	1.08	1.28	1.15	1.33	1.40	1.30	1.36

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.30	0.92	1.20	1.22	1.27	1.31	1.24	1.17	1.17	1.15	1.07
CRMS0276 - Just east of Wilkinson Canal	0.15	0.02	0.07	-0.10	-0.02	0.04	0.46	0.12	0.03	0.03	0.07	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.01	-0.15	-0.04	-0.05	-0.12	-0.01	0.07	0.07	0.03	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.49	0.31	1.01	1.20	1.23	1.27	1.31	0.74	0.07	0.16	0.66	0.85
USGS7380251 Barataria Bay North of Grand Isle	0.28	0.26	0.73	1.16	1.10	1.01	0.99	0.37	-0.04	0.00	0.23	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.40	0.26	0.90	1.13	1.18	1.18	1.18	0.62	0.05	0.04	0.28	0.40
USGS 07380335 - Little Lake Near Cutoff	0.38	0.21	0.88	1.01	1.08	1.09	1.04	0.56	0.08	0.04	0.20	0.26
USGS073802516 Barataria Pass at Grand Isle	0.32	0.27	0.85	0.53	0.40	0.25	0.36	0.19	0.01	0.04	0.20	0.24
HWQ14 - Lake Washington	0.20	0.29	0.73	0.50	0.34	0.24	0.32	0.17	0.02	0.03	0.14	0.16
HWQ16 - Bayou Grand Liard	0.15	0.15	0.33	0.19	0.19	0.15	0.08	-0.03	0.01	0.03	0.08	0.05
CRMS 3985	0.10	0.20	0.59	0.92	0.71	0.56	0.47	0.29	-0.13	-0.06	0.00	0.00
CRMS 0258	0.38	0.21	0.66	1.13	0.66	0.29	0.36	0.02	0.15	0.04	0.14	0.15
CRMS 0224	0.46	0.24	1.04	1.08	0.77	0.58	0.56	0.01	0.00	0.04	0.26	0.31
CRMS 0163	0.02	0.01	0.01	0.00	-0.01	-0.10	-0.09	0.01	0.08	0.04	0.02	0.00
CRMS 0162	0.01	0.01	0.00	0.00	-0.02	-0.12	-0.05	-0.10	0.01	0.00	-0.01	-0.01

Figure WQ NO3 69 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.81	0.35	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.13	0.25
CRMS0276 - Just east of Wilkinson Canal	1.06	1.24	1.24	0.94	0.88	0.18	0.13	0.52	0.81	0.58	0.46	1.20
Barataria Waterway at Lafitte (USACE82875)	1.45	1.51	1.38	1.33	1.14	0.20	0.25	0.05	0.39	0.27	1.07	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.82	0.26	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.90	0.91	0.62	0.01	0.01	0.02	0.06	0.07	0.18	0.11	0.16	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.88	0.40	0.09	0.02	0.03	0.05	0.09	0.13	0.07	0.18	0.36
USGS 07380335 - Little Lake Near Cutoff	0.82	0.92	0.46	0.23	0.09	0.05	0.11	0.25	0.33	0.19	0.22	0.53
USGS073802516 Barataria Pass at Grand Isle	0.78	0.88	0.36	0.11	0.03	0.01	0.03	0.09	0.18	0.03	0.13	0.37
HWQ14 - Lake Washington	0.80	0.86	0.44	0.01	0.01	0.02	0.08	0.10	0.18	0.10	0.14	0.29
HWQ16 - Bayou Grand Liard	0.88	0.98	0.85	0.73	0.72	0.46	0.57	0.70	0.61	0.39	0.24	0.75
CRMS 3985	1.03	0.97	0.83	0.07	0.04	0.08	0.20	0.24	0.38	0.33	0.24	0.73
CRMS 0258	0.85	0.89	0.77	0.11	0.00	0.00	0.00	0.01	0.22	0.17	0.48	0.82
CRMS 0224	0.77	0.87	0.33	0.13	0.00	0.00	0.01	0.00	0.14	0.04	0.27	0.55
CRMS 0163	1.35	1.42	1.23	1.24	1.15	1.16	0.18	0.17	0.94	1.01	1.38	1.24
CRMS 0162	1.31	1.36	1.23	1.23	1.15	1.22	1.34	1.21	1.30	1.24	1.35	1.22

V3PR7 HYST - cy 1 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.30	1.33	1.20	1.19	1.09	1.19	1.31	1.20	1.19	1.19	1.30	1.21
CRMS0276 - Just east of Wilkinson Canal	1.27	1.28	1.24	0.94	0.71	0.25	0.44	0.14	0.59	0.53	0.57	1.25
Barataria Waterway at Lafitte (USACE82875)	1.46	1.51	1.39	1.30	1.06	0.16	0.20	0.06	0.48	0.33	1.09	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.32	1.19	1.19	1.09	1.19	1.31	0.10	0.10	0.17	0.89	1.20
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.13	1.18	1.19	1.13	1.12	0.95	0.08	0.15	0.13	0.53	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.21	1.19	1.21	1.14	1.20	1.20	0.20	0.18	0.13	0.56	1.21
USGS 07380335 - Little Lake Near Cutoff	1.23	1.20	1.20	1.22	1.16	1.15	1.13	0.37	0.37	0.23	0.51	1.22
USGS073802516 Barataria Pass at Grand Isle	1.17	1.12	1.08	0.75	0.70	0.23	0.26	0.05	0.17	0.07	0.39	1.06
HWQ14 - Lake Washington	1.05	1.03	1.01	0.66	0.62	0.25	0.28	0.16	0.20	0.15	0.38	0.93
HWQ16 - Bayou Grand Liard	1.02	1.06	1.10	0.98	0.94	0.54	0.60	0.63	0.59	0.41	0.35	1.02
CRMS 3985	1.06	1.08	1.14	1.04	0.98	0.67	0.61	0.40	0.25	0.27	0.49	1.07
CRMS 0258	1.44	1.34	1.20	1.23	1.06	0.60	0.28	0.04	0.22	0.02	0.68	1.20
CRMS 0224	1.35	1.29	1.20	1.24	1.14	0.97	0.45	0.00	0.06	0.06	0.60	1.20
CRMS 0163	1.36	1.42	1.25	1.24	1.15	1.06	0.12	0.17	1.00	1.06	1.37	1.26
CRMS 0162	1.30	1.34	1.24	1.22	1.15	1.17	1.29	1.12	1.32	1.25	1.32	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.52	0.85	1.18	1.08	1.18	1.31	1.20	1.18	1.19	1.17	0.96
CRMS0276 - Just east of Wilkinson Canal	0.21	0.04	0.01	0.00	-0.17	0.06	0.30	-0.38	-0.23	-0.05	0.11	0.05
Barataria Waterway at Lafitte (USACE82875)	0.02	0.00	0.01	-0.03	-0.08	-0.04	-0.05	0.01	0.09	0.06	0.02	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.47	0.50	0.93	1.18	1.09	1.19	1.31	0.10	0.09	0.17	0.72	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.26	0.22	0.56	1.18	1.12	1.10	0.89	0.01	-0.03	0.01	0.37	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.45	0.33	0.79	1.12	1.12	1.17	1.15	0.12	0.04	0.05	0.38	0.85
USGS 07380335 - Little Lake Near Cutoff	0.41	0.28	0.75	0.99	1.07	1.10	1.02	0.12	0.04	0.04	0.29	0.69
USGS073802516 Barataria Pass at Grand Isle	0.39	0.24	0.72	0.64	0.66	0.21	0.24	-0.04	-0.01	0.03	0.26	0.69
HWQ14 - Lake Washington	0.26	0.17	0.57	0.65	0.62	0.23	0.21	0.06	0.02	0.05	0.24	0.64
HWQ16 - Bayou Grand Liard	0.14	0.09	0.25	0.25	0.22	0.08	0.04	-0.07	-0.02	0.02	0.11	0.28
CRMS 3985	0.03	0.12	0.31	0.98	0.94	0.60	0.41	0.16	-0.13	-0.06	0.26	0.33
CRMS 0258	0.59	0.45	0.43	1.12	1.05	0.60	0.28	0.03	-0.01	-0.14	0.21	0.38
CRMS 0224	0.58	0.41	0.86	1.11	1.14	0.96	0.44	0.00	-0.08	0.03	0.33	0.65
CRMS 0163	0.01	0.00	0.01	0.01	-0.01	-0.10	-0.07	-0.01	0.06	0.04	0.00	0.02
CRMS 0162	0.00	-0.02	0.01	0.00	0.00	-0.05	-0.04	-0.09	0.02	0.00	-0.03	0.02

Figure WQ NO3 70 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.76	0.22	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.05	1.30	1.24	0.86	0.37	0.14	0.12	0.23	0.56	0.60	0.96	1.13
Barataria Waterway at Lafitte (USACE82875)	1.39	1.39	1.38	1.33	0.42	0.11	0.11	0.01	0.46	0.70	1.34	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.78	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.87	0.67	0.30	0.01	0.01	0.01	0.04	0.08	0.17	0.08	0.28	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.81	0.22	0.06	0.01	0.02	0.05	0.07	0.11	0.06	0.32	0.51
USGS 07380335 - Little Lake Near Cutoff	0.80	0.91	0.34	0.17	0.02	0.03	0.11	0.22	0.27	0.18	0.46	0.63
USGS073802516 Barataria Pass at Grand Isle	0.78	0.84	0.22	0.08	0.01	0.01	0.02	0.07	0.13	0.03	0.28	0.51
HWQ14 - Lake Washington	0.79	0.68	0.17	0.01	0.01	0.01	0.05	0.07	0.17	0.07	0.23	0.54
HWQ16 - Bayou Grand Liard	0.84	1.05	0.88	0.69	0.49	0.40	0.54	0.49	0.52	0.43	0.57	0.75
CRMS 3985	0.92	0.61	0.32	0.02	0.02	0.06	0.12	0.26	0.41	0.29	0.49	0.85
CRMS 0258	0.85	0.97	0.64	0.06	0.00	0.00	0.00	0.01	0.03	0.01	0.58	0.80
CRMS 0224	0.74	0.88	0.21	0.10	0.00	0.00	0.01	0.01	0.07	0.02	0.39	0.57
CRMS 0163	1.28	1.24	1.21	1.19	1.23	0.61	0.08	0.14	0.94	1.23	1.37	1.36
CRMS 0162	1.26	1.23	1.21	1.19	1.25	1.15	1.32	1.11	1.31	1.42	1.32	1.35

V3PR8 HYST - cy 1 - 1975 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.21	1.19	1.15	1.19	1.30	1.24	1.28	1.20	1.15	1.25	1.26
CRMS0276 - Just east of Wilkinson Canal	1.19	1.32	1.24	0.72	0.43	0.18	0.20	0.22	0.85	0.70	0.57	1.02
Barataria Waterway at Lafitte (USACE82875)	1.38	1.40	0.85	0.37	0.01	0.01	0.01	0.00	0.23	0.26	0.83	0.94
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.21	1.18	1.15	1.20	1.31	0.47	0.00	0.13	0.20	0.85	1.07
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.22	1.21	1.17	1.19	0.86	0.24	0.09	0.17	0.14	0.52	0.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.19	1.23	1.21	1.17	1.22	1.21	0.47	0.11	0.19	0.13	0.56	0.88
USGS 07380335 - Little Lake Near Cutoff	1.17	1.26	1.24	1.18	1.21	1.07	0.53	0.23	0.40	0.27	0.53	0.80
USGS073802516 Barataria Pass at Grand Isle	1.07	1.22	1.18	0.74	0.41	0.13	0.12	0.07	0.23	0.07	0.42	0.70
HWQ14 - Lake Washington	0.99	1.14	1.11	0.71	0.39	0.13	0.14	0.13	0.21	0.17	0.40	0.70
HWQ16 - Bayou Grand Liard	1.00	1.23	1.21	0.96	0.70	0.49	0.53	0.53	0.57	0.44	0.46	0.70
CRMS 3985	1.10	1.19	1.20	1.04	0.86	0.45	0.40	0.35	0.28	0.30	0.52	0.88
CRMS 0258	1.20	1.26	1.25	1.22	0.99	0.07	0.02	0.08	0.06	0.04	0.67	0.90
CRMS 0224	1.19	1.24	1.23	1.21	1.18	0.25	0.01	0.00	0.13	0.11	0.57	0.84
CRMS 0163	1.28	1.25	1.20	1.16	1.18	0.46	0.08	0.16	0.93	1.14	1.32	1.31
CRMS 0162	1.26	1.24	1.22	1.19	1.24	1.00	1.23	1.02	1.30	1.44	1.31	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.45	0.46	0.97	1.14	1.18	1.30	1.23	1.28	1.19	1.15	1.08	1.05
CRMS0276 - Just east of Wilkinson Canal	0.14	0.02	-0.01	-0.14	0.05	0.04	0.08	-0.02	0.29	0.10	-0.38	-0.11
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.01	-0.53	-0.96	-0.41	-0.10	-0.10	-0.01	-0.23	-0.44	-0.52	-0.52
USGS2928590900040000 Barataria Waterway South of Lafitte	0.51	0.43	1.02	1.14	1.19	1.30	0.47	0.00	0.11	0.19	0.66	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.55	0.91	1.16	1.18	0.85	0.20	0.01	0.00	0.06	0.24	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.41	0.42	0.98	1.11	1.22	1.18	0.43	0.04	0.08	0.07	0.23	0.36
USGS 07380335 - Little Lake Near Cutoff	0.37	0.34	0.90	1.01	1.18	1.04	0.43	0.01	0.14	0.09	0.08	0.17
USGS073802516 Barataria Pass at Grand Isle	0.29	0.38	0.96	0.66	0.40	0.12	0.10	-0.01	0.10	0.05	0.14	0.19
HWQ14 - Lake Washington	0.20	0.46	0.95	0.70	0.38	0.11	0.09	0.05	0.03	0.10	0.17	0.16
HWQ16 - Bayou Grand Liard	0.15	0.19	0.33	0.27	0.21	0.10	-0.02	0.04	0.05	0.01	-0.11	-0.05
CRMS 3985	0.18	0.58	0.88	1.03	0.83	0.40	0.29	0.09	-0.13	0.01	0.03	0.03
CRMS 0258	0.35	0.29	0.61	1.16	0.98	0.07	0.02	0.06	0.03	0.03	0.09	0.10
CRMS 0224	0.45	0.36	1.02	1.10	1.18	0.25	0.01	0.00	0.07	0.09	0.19	0.26
CRMS 0163	0.00	0.01	-0.02	-0.03	-0.05	-0.15	0.00	0.03	-0.01	-0.09	-0.06	-0.05
CRMS 0162	0.00	0.01	0.00	0.00	-0.01	-0.15	-0.08	-0.09	-0.01	0.02	-0.01	0.00

Figure WQ NO3 71 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.74	0.23	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.12	0.21
CRMS0276 - Just east of Wilkinson Canal	1.02	1.29	1.23	0.82	0.42	0.11	0.13	0.21	0.51	0.46	0.57	1.22
Barataria Waterway at Lafitte (USACE82875)	1.42	1.37	1.34	1.24	0.51	0.05	0.15	0.01	0.35	0.18	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.74	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.16	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.40	0.01	0.01	0.02	0.07	0.16	0.17	0.07	0.16	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.70	0.79	0.27	0.07	0.01	0.03	0.05	0.09	0.12	0.06	0.19	0.30
USGS 07380335 - Little Lake Near Cutoff	0.74	0.89	0.37	0.16	0.03	0.03	0.10	0.22	0.28	0.16	0.24	0.51
USGS073802516 Barataria Pass at Grand Isle	0.69	0.83	0.26	0.08	0.01	0.01	0.03	0.08	0.15	0.02	0.15	0.32
HWQ14 - Lake Washington	0.70	0.69	0.24	0.01	0.01	0.02	0.08	0.18	0.18	0.07	0.16	0.14
HWQ16 - Bayou Grand Liard	0.81	1.04	0.88	0.64	0.54	0.37	0.50	0.56	0.52	0.29	0.29	0.71
CRMS 3985	0.87	0.75	0.55	0.02	0.04	0.08	0.22	0.48	0.39	0.23	0.19	0.46
CRMS 0258	0.81	0.93	0.61	0.04	0.00	0.02	0.03	0.00	0.02	0.01	0.43	0.79
CRMS 0224	0.68	0.85	0.23	0.10	0.00	0.00	0.01	0.01	0.07	0.01	0.27	0.53
CRMS 0163	1.32	1.21	1.17	1.21	1.21	0.42	0.08	0.12	0.86	0.84	1.39	1.32
CRMS 0162	1.30	1.20	1.18	1.21	1.23	1.13	1.31	1.08	1.17	1.16	1.37	1.30

V3PR8 HYST - cy 1 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.19	1.15	1.17	1.17	1.27	1.19	1.27	1.22	1.20	1.29	1.27
CRMS0276 - Just east of Wilkinson Canal	1.16	1.28	1.21	0.65	0.46	0.06	0.10	0.25	0.82	0.40	0.40	1.07
Barataria Waterway at Lafitte (USACE82875)	1.41	1.38	0.83	0.27	0.02	0.02	0.02	0.01	0.21	0.10	0.89	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.18	1.15	1.17	1.18	0.42	0.01	0.00	0.14	0.20	0.86	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.01	1.19	1.18	1.17	1.18	0.20	0.10	0.10	0.15	0.12	0.41	0.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.20	1.17	1.19	1.21	0.34	0.09	0.13	0.19	0.12	0.46	0.99
USGS 07380335 - Little Lake Near Cutoff	1.14	1.22	1.20	1.19	1.20	0.32	0.14	0.28	0.39	0.22	0.38	0.93
USGS073802516 Barataria Pass at Grand Isle	0.96	1.16	1.17	0.63	0.46	0.06	0.03	0.09	0.24	0.05	0.32	0.65
HWQ14 - Lake Washington	0.73	1.06	1.12	0.56	0.43	0.08	0.10	0.16	0.19	0.16	0.31	0.41
HWQ16 - Bayou Grand Liard	0.96	1.20	1.20	0.88	0.74	0.41	0.48	0.58	0.54	0.25	0.29	0.75
CRMS 3985	0.78	1.14	1.18	1.00	0.90	0.23	0.29	0.30	0.26	0.28	0.23	0.37
CRMS 0258	1.25	1.23	1.21	1.24	1.02	0.02	0.04	0.00	0.03	0.05	0.52	0.99
CRMS 0224	1.23	1.21	1.19	1.23	1.19	0.03	0.01	0.00	0.13	0.10	0.50	0.97
CRMS 0163	1.32	1.22	1.16	1.17	1.19	0.36	0.08	0.17	0.86	0.83	1.36	1.34
CRMS 0162	1.30	1.22	1.18	1.21	1.23	0.98	1.24	1.00	1.16	1.17	1.36	1.33

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.53	0.45	0.93	1.16	1.16	1.27	1.18	1.27	1.21	1.19	1.17	1.06
CRMS0276 - Just east of Wilkinson Canal	0.14	-0.01	-0.02	-0.17	0.04	-0.05	-0.03	0.04	0.30	-0.06	-0.17	-0.15
Barataria Waterway at Lafitte (USACE82875)	-0.02	0.02	-0.52	-0.97	-0.49	-0.04	-0.13	0.00	-0.13	-0.08	-0.28	-0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.45	0.99	1.16	1.17	0.42	0.00	0.00	0.13	0.19	0.70	0.90
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.46	0.78	1.17	1.17	0.18	0.03	-0.06	-0.02	0.06	0.25	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.41	0.91	1.13	1.19	0.31	0.04	0.03	0.07	0.06	0.27	0.68
USGS 07380335 - Little Lake Near Cutoff	0.40	0.33	0.84	1.04	1.16	0.28	0.03	0.06	0.11	0.06	0.15	0.42
USGS073802516 Barataria Pass at Grand Isle	0.26	0.33	0.91	0.55	0.44	0.05	0.00	0.02	0.09	0.03	0.17	0.33
HWQ14 - Lake Washington	0.03	0.37	0.87	0.56	0.42	0.06	0.02	-0.02	0.01	0.09	0.15	0.27
HWQ16 - Bayou Grand Liard	0.14	0.16	0.32	0.24	0.21	0.04	-0.02	0.02	0.03	-0.04	0.01	0.03
CRMS 3985	-0.09	0.39	0.63	0.98	0.86	0.15	0.08	-0.17	-0.13	0.06	0.04	-0.09
CRMS 0258	0.44	0.29	0.60	1.21	1.02	0.00	0.00	0.00	0.01	0.05	0.09	0.20
CRMS 0224	0.55	0.36	0.96	1.13	1.19	0.02	0.00	0.00	0.06	0.09	0.24	0.44
CRMS 0163	0.00	0.01	-0.01	-0.05	-0.02	-0.06	0.01	0.04	0.00	-0.02	-0.03	0.01
CRMS 0162	0.00	0.02	0.00	0.00	0.00	-0.16	-0.07	-0.08	-0.01	0.01	-0.01	0.02

Figure WQ NO3 72 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.70	0.17	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
CRMS0276 - Just east of Wilkinson Canal	0.92	1.26	1.07	0.82	0.53	0.22	0.10	0.20	0.43	0.52	0.99	1.18
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.43	1.15	0.68	0.09	0.02	0.01	0.12	0.70	1.36	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.66	0.13	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.48	0.01	0.01	0.03	0.08	0.06	0.13	0.11	0.25	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.76	0.27	0.04	0.01	0.02	0.03	0.05	0.09	0.05	0.32	0.34
USGS 07380335 - Little Lake Near Cutoff	0.70	0.85	0.32	0.14	0.02	0.02	0.07	0.13	0.21	0.14	0.44	0.54
USGS073802516 Barataria Pass at Grand Isle	0.69	0.80	0.25	0.08	0.01	0.01	0.01	0.02	0.08	0.02	0.28	0.36
HWQ14 - Lake Washington	0.73	0.69	0.32	0.01	0.01	0.01	0.04	0.05	0.13	0.05	0.22	0.21
HWQ16 - Bayou Grand Liard	0.77	0.99	0.76	0.61	0.52	0.37	0.30	0.14	0.35	0.35	0.57	0.75
CRMS 3985	0.90	0.76	0.75	0.08	0.02	0.12	0.32	0.28	0.34	0.38	0.27	0.55
CRMS 0258	0.60	0.83	0.29	0.09	0.01	0.00	0.00	0.00	0.02	0.00	0.54	0.75
CRMS 0224	0.62	0.78	0.17	0.10	0.00	0.00	0.01	0.01	0.06	0.01	0.35	0.47
CRMS 0163	1.38	1.30	1.35	1.33	1.15	0.34	0.03	0.08	0.62	1.22	1.38	1.35
CRMS 0162	1.37	1.29	1.34	1.32	1.20	1.02	1.22	0.91	0.82	1.36	1.35	1.34

V3PR8 HYST - cy 1 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.27	1.31	1.23	1.29	1.29	1.29	1.35	1.25	1.17	1.21	1.25
CRMS0276 - Just east of Wilkinson Canal	0.93	1.22	0.94	0.79	0.40	0.19	0.11	0.13	0.45	0.36	0.37	0.98
Barataria Waterway at Lafitte (USACE82875)	1.30	1.35	0.86	0.48	0.02	0.02	0.03	0.05	0.19	0.33	0.98	1.11
USGS2928590900040000 Barataria Waterway South of Lafitte	1.15	1.25	1.20	0.81	1.09	0.01	0.01	0.00	0.09	0.17	0.71	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.14	0.98	0.51	0.68	0.02	0.06	0.05	0.12	0.10	0.44	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.95	1.22	1.01	0.58	0.94	0.06	0.07	0.08	0.12	0.08	0.39	0.80
USGS 07380335 - Little Lake Near Cutoff	0.87	1.19	0.89	0.60	0.84	0.03	0.07	0.13	0.20	0.14	0.33	0.71
USGS073802516 Barataria Pass at Grand Isle	0.86	1.05	0.58	0.35	0.13	0.01	0.01	0.03	0.12	0.03	0.25	0.61
HWQ14 - Lake Washington	0.88	0.91	0.55	0.23	0.11	0.02	0.06	0.09	0.17	0.11	0.29	0.65
HWQ16 - Bayou Grand Liard	0.76	1.05	0.79	0.72	0.50	0.34	0.23	0.08	0.24	0.16	0.27	0.60
CRMS 3985	0.96	0.94	0.72	0.31	0.29	0.10	0.18	0.24	0.29	0.33	0.47	0.88
CRMS 0258	0.88	1.15	0.69	0.30	0.18	0.00	0.00	0.00	0.02	0.01	0.48	0.78
CRMS 0224	0.92	1.18	0.70	0.44	0.10	0.00	0.01	0.01	0.07	0.03	0.36	0.71
CRMS 0163	1.36	1.31	1.31	1.21	0.87	0.25	0.03	0.10	0.69	1.21	1.32	1.31
CRMS 0162	1.37	1.30	1.35	1.30	1.18	0.95	1.17	0.80	0.88	1.38	1.33	1.34

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.67	0.57	1.13	1.22	1.28	1.29	1.29	1.34	1.24	1.17	1.01	1.04
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.04	-0.13	-0.03	-0.13	-0.03	0.01	-0.07	0.02	-0.16	-0.62	-0.20
Barataria Waterway at Lafitte (USACE82875)	-0.12	-0.06	-0.57	-0.66	-0.66	-0.07	0.01	0.04	0.07	-0.37	-0.39	-0.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.59	1.07	0.80	1.08	0.00	0.00	0.00	0.08	0.17	0.52	0.79
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.41	0.49	0.50	0.68	0.00	-0.02	-0.01	-0.01	-0.01	0.20	0.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.46	0.73	0.54	0.93	0.05	0.03	0.03	0.02	0.03	0.08	0.47
USGS 07380335 - Little Lake Near Cutoff	0.17	0.34	0.57	0.45	0.81	0.01	0.01	0.00	-0.01	0.00	-0.11	0.18
USGS073802516 Barataria Pass at Grand Isle	0.17	0.25	0.33	0.27	0.12	0.00	0.00	0.01	0.04	0.01	-0.03	0.25
HWQ14 - Lake Washington	0.15	0.22	0.24	0.22	0.10	0.00	0.01	0.04	0.04	0.06	0.07	0.44
HWQ16 - Bayou Grand Liard	-0.01	0.07	0.03	0.11	-0.02	-0.03	-0.07	-0.05	-0.11	-0.19	-0.30	-0.16
CRMS 3985	0.06	0.18	-0.03	0.24	0.28	-0.01	-0.13	-0.04	-0.04	-0.05	0.19	0.32
CRMS 0258	0.28	0.32	0.40	0.21	0.17	0.00	0.00	0.00	0.00	0.01	-0.06	0.03
CRMS 0224	0.30	0.40	0.53	0.34	0.09	0.00	0.00	0.00	0.00	0.02	0.01	0.24
CRMS 0163	-0.02	0.01	-0.03	-0.12	-0.27	-0.09	0.00	0.02	0.06	-0.01	-0.06	-0.04
CRMS 0162	-0.01	0.01	0.01	-0.02	-0.03	-0.07	-0.06	-0.11	0.06	0.02	-0.02	0.00

Figure WQ NO3 73 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.86	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.07	1.30	1.10	0.82	0.45	0.25	0.15	0.24	0.67	0.55	0.66	1.00
Barataria Waterway at Lafitte (USACE82875)	1.39	1.34	1.42	1.22	0.50	0.26	0.53	0.23	0.60	0.53	1.01	1.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.85	0.21	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.51	0.01	0.01	0.02	0.06	0.07	0.18	0.10	0.28	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.92	0.35	0.07	0.01	0.03	0.06	0.09	0.12	0.08	0.28	0.49
USGS 07380335 - Little Lake Near Cutoff	0.83	0.99	0.41	0.17	0.03	0.05	0.14	0.26	0.28	0.20	0.35	0.55
USGS073802516 Barataria Pass at Grand Isle	0.81	0.93	0.32	0.09	0.01	0.01	0.04	0.09	0.17	0.03	0.21	0.46
HWQ14 - Lake Washington	0.83	0.86	0.35	0.01	0.01	0.02	0.09	0.11	0.18	0.10	0.23	0.54
HWQ16 - Bayou Grand Liard	0.91	1.09	0.85	0.66	0.50	0.48	0.61	0.72	0.61	0.42	0.37	0.61
CRMS 3985	1.03	0.99	0.63	0.03	0.04	0.09	0.20	0.23	0.40	0.29	0.48	0.90
CRMS 0258	0.84	1.00	0.64	0.04	0.00	0.00	0.00	0.00	0.09	0.01	0.58	0.76
CRMS 0224	0.75	0.94	0.26	0.10	0.00	0.00	0.01	0.01	0.05	0.03	0.36	0.53
CRMS 0163	1.26	1.18	1.25	1.25	1.20	0.77	0.29	0.18	1.10	1.16	1.34	1.36
CRMS 0162	1.24	1.18	1.25	1.23	1.27	1.20	1.33	1.25	1.32	1.40	1.31	1.37

V3PR8 HYST - cy 1 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.23	1.27	1.32	1.25	1.18	1.15	1.34	1.31
CRMS0276 - Just east of Wilkinson Canal	1.17	1.31	1.16	0.66	0.44	0.28	0.61	0.44	0.75	0.72	0.43	0.61
Barataria Waterway at Lafitte (USACE82875)	1.38	1.39	0.61	0.26	0.02	0.02	0.02	0.00	0.22	0.12	0.67	1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.16	1.22	1.21	1.24	1.28	1.32	0.74	0.09	0.17	0.89	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.10	1.17	1.24	1.17	1.11	1.04	1.07	0.46	0.13	0.12	0.46	0.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.17	1.25	1.20	1.20	1.24	1.26	0.73	0.17	0.12	0.54	0.74
USGS 07380335 - Little Lake Near Cutoff	1.16	1.20	1.28	1.18	1.11	1.15	1.19	0.83	0.39	0.25	0.49	0.68
USGS073802516 Barataria Pass at Grand Isle	0.94	1.17	1.17	0.59	0.41	0.26	0.39	0.27	0.18	0.06	0.38	0.56
HWQ14 - Lake Washington	0.71	1.09	1.07	0.53	0.39	0.26	0.40	0.26	0.20	0.14	0.35	0.38
HWQ16 - Bayou Grand Liard	0.95	1.22	1.17	0.84	0.67	0.62	0.68	0.70	0.63	0.46	0.33	0.55
CRMS 3985	0.81	1.15	1.20	0.95	0.75	0.64	0.68	0.53	0.27	0.28	0.29	0.14
CRMS 0258	1.22	1.21	1.31	1.18	0.69	0.34	0.40	0.03	0.28	0.07	0.72	0.93
CRMS 0224	1.21	1.18	1.30	1.19	0.81	0.68	0.58	0.01	0.08	0.08	0.60	0.81
CRMS 0163	1.27	1.18	1.21	1.18	1.12	0.60	0.15	0.21	1.05	1.05	1.33	1.36
CRMS 0162	1.26	1.19	1.25	1.23	1.25	1.08	1.27	1.15	1.33	1.42	1.32	1.40

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.30	0.92	1.20	1.22	1.27	1.31	1.24	1.16	1.15	1.18	1.09
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	0.05	-0.17	-0.01	0.03	0.46	0.21	0.08	0.17	-0.24	-0.40
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.05	-0.81	-0.96	-0.49	-0.24	-0.51	-0.22	-0.38	-0.41	-0.34	-0.22
USGS2928590900040000 Barataria Waterway South of Lafitte	0.49	0.30	1.01	1.20	1.23	1.27	1.31	0.74	0.08	0.16	0.68	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.25	0.73	1.16	1.10	1.02	1.00	0.39	-0.05	0.02	0.18	-0.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.37	0.25	0.90	1.13	1.19	1.21	1.20	0.64	0.05	0.04	0.25	0.25
USGS 07380335 - Little Lake Near Cutoff	0.33	0.20	0.88	1.01	1.08	1.09	1.04	0.57	0.11	0.06	0.14	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.23	0.84	0.50	0.40	0.24	0.35	0.18	0.02	0.03	0.16	0.09
HWQ14 - Lake Washington	-0.11	0.23	0.72	0.52	0.38	0.24	0.32	0.15	0.02	0.04	0.12	-0.16
HWQ16 - Bayou Grand Liard	0.04	0.12	0.32	0.18	0.18	0.14	0.07	-0.01	0.02	0.04	-0.04	-0.06
CRMS 3985	-0.22	0.17	0.57	0.91	0.70	0.55	0.47	0.30	-0.13	-0.02	-0.19	-0.76
CRMS 0258	0.38	0.21	0.66	1.14	0.69	0.34	0.40	0.03	0.18	0.06	0.14	0.17
CRMS 0224	0.46	0.24	1.04	1.09	0.81	0.67	0.57	0.01	0.03	0.06	0.24	0.28
CRMS 0163	0.01	0.00	-0.04	-0.07	-0.08	-0.17	-0.15	0.03	-0.05	-0.11	-0.01	0.00
CRMS 0162	0.02	0.01	0.00	0.00	-0.02	-0.12	-0.06	-0.10	0.01	0.01	0.01	0.03

Figure WQ NO3 74 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.81	0.35	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.13	0.25
CRMS0276 - Just east of Wilkinson Canal	1.06	1.24	1.24	0.94	0.88	0.18	0.13	0.52	0.81	0.58	0.46	1.20
Barataria Waterway at Lafitte (USACE82875)	1.45	1.51	1.38	1.33	1.14	0.20	0.25	0.05	0.39	0.27	1.07	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.82	0.26	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.90	0.91	0.62	0.01	0.01	0.02	0.06	0.07	0.18	0.11	0.16	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.88	0.40	0.09	0.02	0.03	0.05	0.09	0.13	0.07	0.18	0.36
USGS 07380335 - Little Lake Near Cutoff	0.82	0.92	0.46	0.23	0.09	0.05	0.11	0.25	0.33	0.19	0.22	0.53
USGS073802516 Barataria Pass at Grand Isle	0.78	0.88	0.36	0.11	0.03	0.01	0.03	0.09	0.18	0.03	0.13	0.37
HWQ14 - Lake Washington	0.80	0.86	0.44	0.01	0.01	0.02	0.08	0.10	0.18	0.10	0.14	0.29
HWQ16 - Bayou Grand Liard	0.88	0.98	0.85	0.73	0.72	0.46	0.57	0.70	0.61	0.39	0.24	0.75
CRMS 3985	1.03	0.97	0.83	0.07	0.04	0.08	0.20	0.24	0.38	0.33	0.24	0.73
CRMS 0258	0.85	0.89	0.77	0.11	0.00	0.00	0.00	0.01	0.22	0.17	0.48	0.82
CRMS 0224	0.77	0.87	0.33	0.13	0.00	0.00	0.01	0.00	0.14	0.04	0.27	0.55
CRMS 0163	1.35	1.42	1.23	1.24	1.15	1.16	0.18	0.17	0.94	1.01	1.38	1.24
CRMS 0162	1.31	1.36	1.23	1.23	1.15	1.22	1.34	1.21	1.30	1.24	1.35	1.22

V3PR8 HYST - cy 1 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.33	1.20	1.19	1.09	1.19	1.31	1.20	1.18	1.20	1.32	1.21
CRMS0276 - Just east of Wilkinson Canal	1.27	1.24	1.06	0.81	0.71	0.22	0.44	0.19	0.76	0.55	0.41	1.16
Barataria Waterway at Lafitte (USACE82875)	1.45	1.43	0.99	0.50	0.22	0.02	0.01	0.00	0.17	0.07	0.71	1.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.32	1.19	1.19	1.09	1.19	1.31	0.10	0.11	0.17	0.92	1.20
USGS7380251 Barataria Bay North of Grand Isle	1.12	1.09	1.17	1.19	1.13	1.12	0.93	0.08	0.15	0.12	0.48	1.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.20	1.19	1.21	1.14	1.21	1.23	0.21	0.18	0.13	0.53	1.21
USGS 07380335 - Little Lake Near Cutoff	1.22	1.18	1.20	1.21	1.16	1.15	1.14	0.38	0.42	0.25	0.44	1.21
USGS073802516 Barataria Pass at Grand Isle	1.14	1.10	1.05	0.74	0.69	0.23	0.26	0.05	0.20	0.07	0.36	0.99
HWQ14 - Lake Washington	0.99	0.99	0.99	0.70	0.66	0.27	0.28	0.15	0.20	0.15	0.35	0.79
HWQ16 - Bayou Grand Liard	1.02	1.05	1.07	0.96	0.93	0.53	0.60	0.64	0.63	0.38	0.28	0.97
CRMS 3985	1.00	1.01	1.12	1.04	0.97	0.67	0.60	0.40	0.25	0.27	0.28	0.94
CRMS 0258	1.45	1.37	1.20	1.24	1.08	0.66	0.31	0.05	0.25	0.04	0.69	1.20
CRMS 0224	1.35	1.29	1.20	1.24	1.15	1.01	0.50	0.00	0.09	0.09	0.59	1.20
CRMS 0163	1.36	1.41	1.22	1.18	1.12	1.04	0.12	0.20	0.93	0.91	1.34	1.25
CRMS 0162	1.31	1.35	1.24	1.22	1.15	1.16	1.28	1.11	1.32	1.30	1.33	1.25

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.54	0.52	0.85	1.18	1.08	1.18	1.31	1.19	1.17	1.19	1.19	0.96
CRMS0276 - Just east of Wilkinson Canal	0.21	0.00	-0.18	-0.13	-0.17	0.03	0.30	-0.33	-0.06	-0.03	-0.05	-0.05
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.07	-0.39	-0.83	-0.92	-0.18	-0.24	-0.05	-0.21	-0.20	-0.36	-0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.47	0.51	0.93	1.18	1.09	1.19	1.31	0.10	0.10	0.17	0.74	0.91
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.18	0.55	1.18	1.12	1.10	0.87	0.01	-0.04	0.01	0.32	0.65
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.32	0.79	1.12	1.12	1.18	1.17	0.12	0.05	0.06	0.34	0.85
USGS 07380335 - Little Lake Near Cutoff	0.40	0.26	0.74	0.98	1.07	1.11	1.03	0.13	0.09	0.05	0.22	0.68
USGS073802516 Barataria Pass at Grand Isle	0.36	0.22	0.70	0.62	0.66	0.21	0.24	-0.04	0.02	0.04	0.23	0.62
HWQ14 - Lake Washington	0.19	0.13	0.55	0.69	0.65	0.25	0.20	0.05	0.02	0.05	0.20	0.50
HWQ16 - Bayou Grand Liard	0.14	0.07	0.22	0.23	0.21	0.08	0.04	-0.06	0.02	-0.01	0.04	0.23
CRMS 3985	-0.03	0.04	0.29	0.97	0.94	0.59	0.40	0.17	-0.13	-0.06	0.04	0.21
CRMS 0258	0.61	0.48	0.43	1.13	1.08	0.66	0.31	0.04	0.03	-0.13	0.21	0.38
CRMS 0224	0.58	0.41	0.86	1.12	1.15	1.01	0.49	0.00	-0.05	0.05	0.32	0.65
CRMS 0163	0.01	-0.01	-0.01	-0.05	-0.03	-0.11	-0.06	0.03	-0.01	-0.11	-0.04	0.01
CRMS 0162	0.00	-0.01	0.01	0.00	0.00	-0.06	-0.06	-0.10	0.02	0.05	-0.02	0.02

Figure WQ NO3 75 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.76	0.22	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.05	1.30	1.24	0.86	0.37	0.14	0.12	0.23	0.56	0.60	0.96	1.13
Barataria Waterway at Lafitte (USACE82875)	1.39	1.39	1.38	1.33	0.42	0.11	0.11	0.01	0.46	0.70	1.34	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.78	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.87	0.67	0.30	0.01	0.01	0.01	0.04	0.08	0.17	0.08	0.28	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.81	0.22	0.06	0.01	0.02	0.05	0.07	0.11	0.06	0.32	0.51
USGS 07380335 - Little Lake Near Cutoff	0.80	0.91	0.34	0.17	0.02	0.03	0.11	0.22	0.27	0.18	0.46	0.63
USGS073802516 Barataria Pass at Grand Isle	0.78	0.84	0.22	0.08	0.01	0.01	0.02	0.07	0.13	0.03	0.28	0.51
HWQ14 - Lake Washington	0.79	0.68	0.17	0.01	0.01	0.01	0.05	0.07	0.17	0.07	0.23	0.54
HWQ16 - Bayou Grand Liard	0.84	1.05	0.88	0.69	0.49	0.40	0.54	0.49	0.52	0.43	0.57	0.75
CRMS 3985	0.92	0.61	0.32	0.02	0.02	0.06	0.12	0.26	0.41	0.29	0.49	0.85
CRMS 0258	0.85	0.97	0.64	0.06	0.00	0.00	0.00	0.01	0.03	0.01	0.58	0.80
CRMS 0224	0.74	0.88	0.21	0.10	0.00	0.00	0.01	0.01	0.07	0.02	0.39	0.57
CRMS 0163	1.28	1.24	1.21	1.19	1.23	0.61	0.08	0.14	0.94	1.23	1.37	1.36
CRMS 0162	1.26	1.23	1.21	1.19	1.25	1.15	1.32	1.11	1.31	1.42	1.32	1.35

V3PR9 HYST - cy 1 - 1975 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.81	0.26	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	1.00	1.26	1.15	0.74	0.31	0.13	0.15	0.31	0.82	0.70	0.57	0.91
Barataria Waterway at Lafitte (USACE82875)	1.36	1.38	0.93	0.41	0.01	0.02	0.02	0.01	0.25	0.26	0.80	0.93
USGS2928590900040000 Barataria Waterway South of Lafitte	0.70	0.78	0.18	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.17	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.86	0.33	0.01	0.01	0.02	0.06	0.12	0.19	0.13	0.29	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.76	0.85	0.29	0.06	0.01	0.02	0.05	0.08	0.13	0.07	0.26	0.44
USGS 07380335 - Little Lake Near Cutoff	0.77	0.92	0.41	0.17	0.02	0.03	0.12	0.24	0.31	0.21	0.34	0.52
USGS073802516 Barataria Pass at Grand Isle	0.76	0.87	0.30	0.08	0.01	0.01	0.03	0.08	0.18	0.04	0.21	0.44
HWQ14 - Lake Washington	0.81	0.81	0.24	0.01	0.01	0.02	0.07	0.11	0.20	0.11	0.23	0.54
HWQ16 - Bayou Grand Liard	0.83	1.04	0.90	0.70	0.52	0.44	0.56	0.47	0.54	0.43	0.42	0.60
CRMS 3985	0.97	0.88	0.26	0.02	0.03	0.07	0.19	0.33	0.44	0.39	0.52	0.80
CRMS 0258	0.81	0.97	0.66	0.06	0.00	0.00	0.00	0.01	0.03	0.05	0.48	0.64
CRMS 0224	0.70	0.87	0.25	0.12	0.00	0.00	0.01	0.01	0.11	0.04	0.31	0.48
CRMS 0163	1.27	1.23	1.19	1.16	1.19	0.49	0.07	0.15	0.86	1.12	1.30	1.30
CRMS 0162	1.25	1.23	1.21	1.19	1.25	1.12	1.29	1.08	1.30	1.41	1.30	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.04	-0.09	-0.13	-0.06	-0.01	0.03	0.08	0.26	0.10	-0.38	-0.22
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.01	-0.45	-0.93	-0.41	-0.09	-0.09	0.00	-0.22	-0.44	-0.55	-0.53
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.19	0.03	0.00	0.00	0.00	0.02	0.04	0.03	0.05	0.01	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	0.04	0.07	0.00	0.00	0.00	0.00	0.01	0.02	0.01	-0.07	-0.08
USGS 07380335 - Little Lake Near Cutoff	-0.03	0.01	0.07	0.00	0.00	0.00	0.01	0.03	0.05	0.03	-0.11	-0.11
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.03	0.08	0.01	0.00	0.00	0.00	0.01	0.05	0.01	-0.07	-0.07
HWQ14 - Lake Washington	0.02	0.13	0.08	0.00	0.00	0.00	0.02	0.03	0.03	0.04	0.01	0.00
HWQ16 - Bayou Grand Liard	-0.02	-0.01	0.02	0.00	0.03	0.05	0.02	-0.02	0.02	0.00	-0.15	-0.14
CRMS 3985	0.05	0.27	-0.06	0.00	0.01	0.01	0.07	0.08	0.03	0.10	0.03	-0.05
CRMS 0258	-0.04	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	-0.10	-0.16
CRMS 0224	-0.04	-0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.04	0.02	-0.08	-0.10
CRMS 0163	-0.02	-0.01	-0.02	-0.03	-0.04	-0.12	0.00	0.01	-0.08	-0.12	-0.08	-0.06
CRMS 0162	-0.01	0.00	0.00	0.00	0.00	-0.03	-0.03	-0.03	-0.01	-0.01	-0.01	0.00

Figure WQ NO3 76 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.74	0.23	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.12	0.21
CRMS0276 - Just east of Wilkinson Canal	1.02	1.29	1.23	0.82	0.42	0.11	0.13	0.21	0.51	0.46	0.57	1.22
Barataria Waterway at Lafitte (USACE82875)	1.42	1.37	1.34	1.24	0.51	0.05	0.15	0.01	0.35	0.18	1.17	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.74	0.16	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.16	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.40	0.01	0.01	0.02	0.07	0.16	0.17	0.07	0.16	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.70	0.79	0.27	0.07	0.01	0.03	0.05	0.09	0.12	0.06	0.19	0.30
USGS 07380335 - Little Lake Near Cutoff	0.74	0.89	0.37	0.16	0.03	0.03	0.10	0.22	0.28	0.16	0.24	0.51
USGS073802516 Barataria Pass at Grand Isle	0.69	0.83	0.26	0.08	0.01	0.01	0.03	0.08	0.15	0.02	0.15	0.32
HWQ14 - Lake Washington	0.70	0.69	0.24	0.01	0.01	0.02	0.08	0.18	0.18	0.07	0.16	0.14
HWQ16 - Bayou Grand Liard	0.81	1.04	0.88	0.64	0.54	0.37	0.50	0.56	0.52	0.29	0.29	0.71
CRMS 3985	0.87	0.75	0.55	0.02	0.04	0.08	0.22	0.48	0.39	0.23	0.19	0.46
CRMS 0258	0.81	0.93	0.61	0.04	0.00	0.02	0.03	0.00	0.02	0.01	0.43	0.79
CRMS 0224	0.68	0.85	0.23	0.10	0.00	0.00	0.01	0.01	0.07	0.01	0.27	0.53
CRMS 0163	1.32	1.21	1.17	1.21	1.21	0.42	0.08	0.12	0.86	0.84	1.39	1.32
CRMS 0162	1.30	1.20	1.18	1.21	1.23	1.13	1.31	1.08	1.17	1.16	1.37	1.30

V3PR9 HYST - cy 1 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.78	0.80	0.28	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.13	0.31
CRMS0276 - Just east of Wilkinson Canal	1.02	1.26	1.11	0.64	0.34	0.10	0.17	0.28	0.78	0.36	0.37	1.05
Barataria Waterway at Lafitte (USACE82875)	1.38	1.36	0.89	0.29	0.02	0.02	0.02	0.02	0.21	0.10	0.85	1.28
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.76	0.18	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.15	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.88	0.88	0.52	0.01	0.01	0.02	0.08	0.17	0.18	0.08	0.27	0.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.77	0.85	0.34	0.06	0.01	0.03	0.05	0.09	0.12	0.05	0.16	0.47
USGS 07380335 - Little Lake Near Cutoff	0.79	0.92	0.43	0.15	0.03	0.03	0.12	0.24	0.30	0.14	0.16	0.54
USGS073802516 Barataria Pass at Grand Isle	0.77	0.87	0.33	0.09	0.02	0.01	0.03	0.08	0.16	0.02	0.14	0.47
HWQ14 - Lake Washington	0.80	0.82	0.37	0.01	0.01	0.02	0.09	0.19	0.18	0.06	0.21	0.56
HWQ16 - Bayou Grand Liard	0.84	1.04	0.91	0.64	0.56	0.40	0.53	0.56	0.52	0.19	0.24	0.68
CRMS 3985	0.96	0.94	0.68	0.03	0.04	0.08	0.22	0.49	0.43	0.30	0.50	0.79
CRMS 0258	0.82	0.94	0.62	0.05	0.00	0.01	0.03	0.00	0.03	0.04	0.34	0.65
CRMS 0224	0.72	0.86	0.26	0.10	0.00	0.00	0.01	0.01	0.09	0.04	0.22	0.49
CRMS 0163	1.31	1.20	1.15	1.17	1.19	0.34	0.08	0.13	0.78	0.80	1.30	1.31
CRMS 0162	1.29	1.20	1.18	1.21	1.23	1.12	1.29	1.07	1.18	1.16	1.32	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.10
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.03	-0.11	-0.18	-0.08	-0.01	0.05	0.07	0.27	-0.10	-0.20	-0.16
Barataria Waterway at Lafitte (USACE82875)	-0.05	-0.01	-0.46	-0.96	-0.49	-0.04	-0.13	0.01	-0.13	-0.08	-0.32	-0.21
USGS2928590900040000 Barataria Waterway South of Lafitte	0.05	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.14	0.12	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.11	0.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.07	0.05	0.07	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.03	0.17
USGS 07380335 - Little Lake Near Cutoff	0.06	0.03	0.06	0.00	0.00	0.00	0.02	0.01	0.02	-0.02	-0.07	0.03
USGS073802516 Barataria Pass at Grand Isle	0.08	0.04	0.08	0.01	0.00	0.00	0.01	0.00	0.01	0.00	-0.01	0.15
HWQ14 - Lake Washington	0.10	0.13	0.12	0.00	0.00	0.00	0.01	0.01	0.00	-0.01	0.05	0.42
HWQ16 - Bayou Grand Liard	0.03	0.00	0.02	0.00	0.02	0.03	0.03	0.00	0.01	-0.10	-0.05	-0.03
CRMS 3985	0.09	0.19	0.13	0.01	0.00	0.00	0.00	0.01	0.04	0.08	0.31	0.33
CRMS 0258	0.01	0.01	0.01	0.01	0.00	0.00	-0.01	0.00	0.00	0.03	-0.10	-0.14
CRMS 0224	0.04	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.02	0.02	-0.05	-0.04
CRMS 0163	-0.02	-0.01	-0.02	-0.05	-0.02	-0.09	0.00	0.01	-0.08	-0.04	-0.08	-0.01
CRMS 0162	-0.01	0.00	0.00	0.00	0.00	-0.02	-0.02	-0.01	0.01	0.01	-0.05	0.00

Figure WQ NO3 77 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.70	0.17	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
CRMS0276 - Just east of Wilkinson Canal	0.92	1.26	1.07	0.82	0.53	0.22	0.10	0.20	0.43	0.52	0.99	1.18
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.43	1.15	0.68	0.09	0.02	0.01	0.12	0.70	1.36	1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	0.57	0.66	0.13	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.19	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.80	0.73	0.48	0.01	0.01	0.03	0.08	0.06	0.13	0.11	0.25	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.69	0.76	0.27	0.04	0.01	0.02	0.03	0.05	0.09	0.05	0.32	0.34
USGS 07380335 - Little Lake Near Cutoff	0.70	0.85	0.32	0.14	0.02	0.02	0.07	0.13	0.21	0.14	0.44	0.54
USGS073802516 Barataria Pass at Grand Isle	0.69	0.80	0.25	0.08	0.01	0.01	0.01	0.02	0.08	0.02	0.28	0.36
HWQ14 - Lake Washington	0.73	0.69	0.32	0.01	0.01	0.01	0.04	0.05	0.13	0.05	0.22	0.21
HWQ16 - Bayou Grand Liard	0.77	0.99	0.76	0.61	0.52	0.37	0.30	0.14	0.35	0.35	0.57	0.75
CRMS 3985	0.90	0.76	0.75	0.08	0.02	0.12	0.32	0.28	0.34	0.38	0.27	0.55
CRMS 0258	0.60	0.83	0.29	0.09	0.01	0.00	0.00	0.00	0.02	0.00	0.54	0.75
CRMS 0224	0.62	0.78	0.17	0.10	0.00	0.00	0.01	0.01	0.06	0.01	0.35	0.47
CRMS 0163	1.38	1.30	1.35	1.33	1.15	0.34	0.03	0.08	0.62	1.22	1.38	1.35
CRMS 0162	1.37	1.29	1.34	1.32	1.20	1.02	1.22	0.91	0.82	1.36	1.35	1.34

V3PR9 HYST - cy 1 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.72	0.78	0.27	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.34
CRMS0276 - Just east of Wilkinson Canal	0.91	1.21	1.04	0.79	0.51	0.29	0.16	0.19	0.47	0.45	0.56	1.09
Barataria Waterway at Lafitte (USACE82875)	1.31	1.35	0.84	0.48	0.02	0.02	0.03	0.03	0.17	0.28	0.90	0.95
USGS2928590900040000 Barataria Waterway South of Lafitte	0.64	0.70	0.17	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.94	0.93	0.68	0.03	0.02	0.03	0.11	0.08	0.14	0.13	0.36	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.84	0.41	0.04	0.01	0.02	0.04	0.06	0.09	0.05	0.27	0.54
USGS 07380335 - Little Lake Near Cutoff	0.77	0.89	0.45	0.14	0.02	0.03	0.09	0.14	0.19	0.14	0.31	0.62
USGS073802516 Barataria Pass at Grand Isle	0.78	0.86	0.40	0.08	0.02	0.01	0.02	0.03	0.10	0.02	0.25	0.54
HWQ14 - Lake Washington	0.86	0.88	0.55	0.01	0.01	0.02	0.07	0.06	0.16	0.08	0.30	0.63
HWQ16 - Bayou Grand Liard	0.76	0.98	0.79	0.62	0.51	0.39	0.33	0.14	0.27	0.21	0.41	0.72
CRMS 3985	1.08	1.02	0.91	0.20	0.16	0.14	0.40	0.33	0.36	0.41	0.58	0.92
CRMS 0258	0.64	0.83	0.37	0.09	0.01	0.00	0.00	0.00	0.03	0.10	0.47	0.69
CRMS 0224	0.69	0.80	0.25	0.10	0.00	0.00	0.01	0.01	0.06	0.04	0.31	0.53
CRMS 0163	1.35	1.29	1.29	1.16	0.85	0.25	0.03	0.09	0.60	1.12	1.30	1.30
CRMS 0162	1.35	1.28	1.33	1.29	1.16	1.00	1.21	0.91	0.88	1.36	1.32	1.33

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.08	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.14
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.05	-0.04	-0.03	-0.02	0.07	0.07	0.00	0.04	-0.08	-0.43	-0.09
Barataria Waterway at Lafitte (USACE82875)	-0.12	-0.07	-0.59	-0.67	-0.65	-0.07	0.01	0.03	0.05	-0.42	-0.46	-0.53
USGS2928590900040000 Barataria Waterway South of Lafitte	0.07	0.04	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.21	0.20	0.02	0.01	0.01	0.04	0.02	0.02	0.02	0.12	0.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.14	0.00	0.00	0.01	0.01	0.01	0.00	0.00	-0.05	0.20
USGS 07380335 - Little Lake Near Cutoff	0.07	0.04	0.13	0.00	0.00	0.01	0.03	0.02	-0.03	0.00	-0.13	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.06	0.14	0.00	0.00	0.00	0.01	0.01	0.02	0.00	-0.03	0.18
HWQ14 - Lake Washington	0.13	0.18	0.24	0.00	0.01	0.01	0.03	0.02	0.03	0.02	0.08	0.43
HWQ16 - Bayou Grand Liard	-0.01	0.00	0.04	0.01	-0.01	0.02	0.03	0.00	-0.08	-0.14	-0.16	-0.03
CRMS 3985	0.18	0.26	0.16	0.12	0.14	0.03	0.09	0.05	0.02	0.03	0.31	0.37
CRMS 0258	0.04	0.00	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.10	-0.07	-0.06
CRMS 0224	0.07	0.02	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.03	-0.04	0.05
CRMS 0163	-0.03	-0.01	-0.06	-0.17	-0.30	-0.09	0.00	0.01	-0.02	-0.10	-0.08	-0.05
CRMS 0162	-0.02	-0.01	-0.02	-0.03	-0.04	-0.02	-0.02	0.00	0.06	0.00	-0.03	0.00

Figure WQ NO3 78 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.86	0.30	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.17	0.22
CRMS0276 - Just east of Wilkinson Canal	1.07	1.30	1.10	0.82	0.45	0.25	0.15	0.24	0.67	0.55	0.66	1.00
Barataria Waterway at Lafitte (USACE82875)	1.39	1.34	1.42	1.22	0.50	0.26	0.53	0.23	0.60	0.53	1.01	1.24
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.85	0.21	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.51	0.01	0.01	0.02	0.06	0.07	0.18	0.10	0.28	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.92	0.35	0.07	0.01	0.03	0.06	0.09	0.12	0.08	0.28	0.49
USGS 07380335 - Little Lake Near Cutoff	0.83	0.99	0.41	0.17	0.03	0.05	0.14	0.26	0.28	0.20	0.35	0.55
USGS073802516 Barataria Pass at Grand Isle	0.81	0.93	0.32	0.09	0.01	0.01	0.04	0.09	0.17	0.03	0.21	0.46
HWQ14 - Lake Washington	0.83	0.86	0.35	0.01	0.01	0.02	0.09	0.11	0.18	0.10	0.23	0.54
HWQ16 - Bayou Grand Liard	0.91	1.09	0.85	0.66	0.50	0.48	0.61	0.72	0.61	0.42	0.37	0.61
CRMS 3985	1.03	0.99	0.63	0.03	0.04	0.09	0.20	0.23	0.40	0.29	0.48	0.90
CRMS 0258	0.84	1.00	0.64	0.04	0.00	0.00	0.00	0.00	0.09	0.01	0.58	0.76
CRMS 0224	0.75	0.94	0.26	0.10	0.00	0.00	0.01	0.01	0.05	0.03	0.36	0.53
CRMS 0163	1.26	1.18	1.25	1.25	1.20	0.77	0.29	0.18	1.10	1.16	1.34	1.36
CRMS 0162	1.24	1.18	1.25	1.23	1.27	1.20	1.33	1.25	1.32	1.40	1.31	1.37

V3PR9 HYST - cy 1 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.52	0.68	0.23	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.13	0.16
CRMS0276 - Just east of Wilkinson Canal	0.94	1.28	0.93	0.68	0.37	0.21	0.17	0.29	0.77	0.70	0.42	0.61
Barataria Waterway at Lafitte (USACE82875)	1.37	1.37	0.71	0.28	0.02	0.02	0.03	0.02	0.24	0.13	0.66	1.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.49	0.68	0.15	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.45	0.71	0.39	0.01	0.01	0.04	0.16	0.05	0.17	0.11	0.15	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.46	0.72	0.22	0.06	0.01	0.03	0.06	0.09	0.11	0.07	0.21	0.22
USGS 07380335 - Little Lake Near Cutoff	0.57	0.85	0.31	0.15	0.02	0.05	0.13	0.27	0.30	0.20	0.27	0.34
USGS073802516 Barataria Pass at Grand Isle	0.48	0.76	0.23	0.09	0.01	0.01	0.04	0.08	0.15	0.03	0.16	0.22
HWQ14 - Lake Washington	0.36	0.62	0.24	0.01	0.01	0.03	0.14	0.08	0.18	0.10	0.17	0.07
HWQ16 - Bayou Grand Liard	0.79	1.05	0.82	0.66	0.54	0.50	0.56	0.69	0.63	0.45	0.28	0.45
CRMS 3985	0.46	0.80	0.50	0.03	0.04	0.12	0.47	0.31	0.40	0.33	0.16	0.06
CRMS 0258	0.69	0.94	0.62	0.03	0.00	0.00	0.00	0.00	0.08	0.02	0.53	0.56
CRMS 0224	0.51	0.81	0.20	0.08	0.00	0.00	0.01	0.01	0.07	0.03	0.30	0.41
CRMS 0163	1.26	1.17	1.21	1.18	1.12	0.63	0.16	0.19	0.96	1.00	1.32	1.35
CRMS 0162	1.25	1.18	1.25	1.23	1.26	1.17	1.30	1.22	1.30	1.36	1.32	1.40

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.27	-0.18	-0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.13	-0.02	-0.17	-0.14	-0.08	-0.05	0.02	0.05	0.11	0.15	-0.25	-0.40
Barataria Waterway at Lafitte (USACE82875)	-0.02	0.03	-0.70	-0.94	-0.48	-0.24	-0.50	-0.21	-0.36	-0.40	-0.34	-0.23
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.24	-0.17	-0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.46	-0.20	-0.12	0.00	0.00	0.02	0.09	-0.02	-0.01	0.01	-0.13	-0.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.34	-0.19	-0.13	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.01	-0.07	-0.26
USGS 07380335 - Little Lake Near Cutoff	-0.26	-0.15	-0.09	-0.02	-0.01	-0.01	-0.01	0.01	0.02	0.01	-0.08	-0.21
USGS073802516 Barataria Pass at Grand Isle	-0.32	-0.18	-0.10	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	-0.05	-0.24
HWQ14 - Lake Washington	-0.46	-0.24	-0.12	0.00	0.00	0.00	0.06	-0.03	0.00	0.00	-0.06	-0.47
HWQ16 - Bayou Grand Liard	-0.12	-0.05	-0.03	0.01	0.05	0.02	-0.05	-0.02	0.01	0.02	-0.09	-0.16
CRMS 3985	-0.57	-0.19	-0.13	0.00	0.00	0.03	0.27	0.08	0.00	0.03	-0.32	-0.84
CRMS 0258	-0.15	-0.06	-0.03	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	-0.05	-0.20
CRMS 0224	-0.24	-0.13	-0.06	-0.02	0.00	0.00	0.00	0.00	0.02	0.00	-0.06	-0.12
CRMS 0163	0.00	-0.01	-0.04	-0.07	-0.08	-0.14	-0.14	0.01	-0.14	-0.16	-0.03	-0.01
CRMS 0162	0.01	0.00	0.00	0.00	-0.01	-0.03	-0.04	-0.03	-0.02	-0.04	0.01	0.03

Figure WQ NO3 79 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.76	0.81	0.35	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.13	0.25
CRMS0276 - Just east of Wilkinson Canal	1.06	1.24	1.24	0.94	0.88	0.18	0.13	0.52	0.81	0.58	0.46	1.20
Barataria Waterway at Lafitte (USACE82875)	1.45	1.51	1.38	1.33	1.14	0.20	0.25	0.05	0.39	0.27	1.07	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	0.73	0.82	0.26	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.18	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.90	0.91	0.62	0.01	0.01	0.02	0.06	0.07	0.18	0.11	0.16	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.88	0.40	0.09	0.02	0.03	0.05	0.09	0.13	0.07	0.18	0.36
USGS 07380335 - Little Lake Near Cutoff	0.82	0.92	0.46	0.23	0.09	0.05	0.11	0.25	0.33	0.19	0.22	0.53
USGS073802516 Barataria Pass at Grand Isle	0.78	0.88	0.36	0.11	0.03	0.01	0.03	0.09	0.18	0.03	0.13	0.37
HWQ14 - Lake Washington	0.80	0.86	0.44	0.01	0.01	0.02	0.08	0.10	0.18	0.10	0.14	0.29
HWQ16 - Bayou Grand Liard	0.88	0.98	0.85	0.73	0.72	0.46	0.57	0.70	0.61	0.39	0.24	0.75
CRMS 3985	1.03	0.97	0.83	0.07	0.04	0.08	0.20	0.24	0.38	0.33	0.24	0.73
CRMS 0258	0.85	0.89	0.77	0.11	0.00	0.00	0.00	0.01	0.22	0.17	0.48	0.82
CRMS 0224	0.77	0.87	0.33	0.13	0.00	0.00	0.01	0.00	0.14	0.04	0.27	0.55
CRMS 0163	1.35	1.42	1.23	1.24	1.15	1.16	0.18	0.17	0.94	1.01	1.38	1.24
CRMS 0162	1.31	1.36	1.23	1.23	1.15	1.22	1.34	1.21	1.30	1.24	1.35	1.22

V3PR9 HYST - cy 1 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.78	0.81	0.38	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.14	0.31
CRMS0276 - Just east of Wilkinson Canal	1.07	1.19	0.97	0.77	0.64	0.09	0.10	0.27	0.75	0.50	0.35	1.11
Barataria Waterway at Lafitte (USACE82875)	1.42	1.41	1.12	0.51	0.23	0.02	0.02	0.01	0.18	0.07	0.68	1.21
USGS2928590900040000 Barataria Waterway South of Lafitte	0.75	0.82	0.27	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.17	0.27
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.69	0.01	0.01	0.02	0.06	0.06	0.17	0.11	0.27	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.82	0.87	0.42	0.08	0.01	0.03	0.05	0.09	0.11	0.06	0.16	0.48
USGS 07380335 - Little Lake Near Cutoff	0.84	0.92	0.46	0.24	0.07	0.05	0.11	0.25	0.31	0.17	0.16	0.56
USGS073802516 Barataria Pass at Grand Isle	0.81	0.88	0.38	0.12	0.04	0.01	0.03	0.09	0.17	0.03	0.13	0.49
HWQ14 - Lake Washington	0.84	0.87	0.54	0.01	0.01	0.02	0.09	0.11	0.18	0.11	0.21	0.57
HWQ16 - Bayou Grand Liard	0.87	0.96	0.78	0.74	0.71	0.47	0.58	0.68	0.61	0.34	0.20	0.73
CRMS 3985	1.04	1.02	0.90	0.08	0.04	0.08	0.21	0.23	0.37	0.33	0.49	0.89
CRMS 0258	0.87	0.92	0.60	0.15	0.00	0.00	0.00	0.01	0.10	0.01	0.46	0.79
CRMS 0224	0.79	0.87	0.32	0.13	0.00	0.00	0.01	0.00	0.08	0.01	0.23	0.54
CRMS 0163	1.34	1.41	1.22	1.18	1.13	1.10	0.14	0.18	0.84	0.86	1.29	1.22
CRMS 0162	1.30	1.35	1.23	1.23	1.15	1.19	1.32	1.18	1.28	1.28	1.30	1.22

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.06	-0.27	-0.17	-0.24	-0.09	-0.04	-0.25	-0.06	-0.08	-0.10	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.09	-0.26	-0.82	-0.91	-0.18	-0.23	-0.04	-0.21	-0.19	-0.39	-0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.02	0.07	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.11	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	-0.01	0.02	-0.01	0.00	0.00	0.00	0.00	-0.02	-0.01	-0.03	0.12
USGS 07380335 - Little Lake Near Cutoff	0.02	-0.01	0.01	0.01	-0.01	0.00	0.00	0.00	-0.02	-0.02	-0.06	0.03
USGS073802516 Barataria Pass at Grand Isle	0.03	0.00	0.03	0.01	0.00	0.00	0.00	0.01	-0.01	0.00	0.00	0.12
HWQ14 - Lake Washington	0.04	0.02	0.10	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.07	0.28
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.08	0.01	-0.01	0.02	0.01	-0.02	0.00	-0.05	-0.04	-0.02
CRMS 3985	0.01	0.05	0.07	0.01	0.00	0.00	0.01	0.00	-0.01	0.00	0.26	0.15
CRMS 0258	0.02	0.03	-0.17	0.04	0.00	0.00	0.00	0.00	-0.13	-0.16	-0.02	-0.03
CRMS 0224	0.02	0.00	-0.01	0.01	0.00	0.00	0.00	0.00	-0.06	-0.02	-0.04	-0.01
CRMS 0163	-0.01	-0.01	-0.02	-0.06	-0.02	-0.06	-0.04	0.01	-0.10	-0.16	-0.09	-0.02
CRMS 0162	-0.01	-0.01	0.00	0.00	0.00	-0.02	-0.01	-0.03	-0.02	0.04	-0.05	0.00

Figure WQ NO3 80 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.75	0.86	0.28	0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.25	0.28
CRMS0276 - Just east of Wilkinson Canal	1.18	1.32	1.29	0.89	0.54	0.26	0.18	0.26	0.68	0.49	1.03	1.31
Barataria Waterway at Lafitte (USACE82875)	1.36	1.46	1.35	1.33	0.67	0.37	0.26	0.11	1.08	0.71	1.42	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	0.75	0.88	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.24	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.73	0.87	0.51	0.01	0.01	0.02	0.08	0.14	0.18	0.10	0.24	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.89	0.37	0.09	0.01	0.02	0.05	0.07	0.12	0.05	0.29	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	0.97	0.47	0.22	0.04	0.04	0.14	0.17	0.28	0.15	0.42	0.75
USGS073802516 Barataria Pass at Grand Isle	0.79	0.89	0.35	0.10	0.01	0.01	0.04	0.05	0.14	0.02	0.24	0.57
HWQ14 - Lake Washington	0.65	0.79	0.36	0.01	0.01	0.02	0.07	0.15	0.18	0.06	0.15	0.41
HWQ16 - Bayou Grand Liard	0.98	1.05	0.92	0.67	0.51	0.41	0.46	0.14	0.45	0.28	0.58	0.94
CRMS 3985	0.78	0.95	0.72	0.03	0.04	0.07	0.20	0.41	0.43	0.32	0.33	0.67
CRMS 0258	0.94	1.07	0.58	0.12	0.00	0.00	0.00	0.00	0.03	0.02	0.65	0.92
CRMS 0224	0.84	0.98	0.31	0.14	0.00	0.01	0.01	0.01	0.10	0.01	0.40	0.71
CRMS 0163	1.24	1.31	1.19	1.24	1.34	0.91	0.16	0.26	1.39	1.16	1.34	1.20
CRMS 0162	1.21	1.27	1.19	1.20	1.25	1.16	1.36	0.89	0.97	0.79	1.26	1.19

V3PR2 HYST - cy 2 - 1985 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.19	1.25	1.15	1.17	1.26	1.31	1.35	1.39	1.31	1.26	1.27	1.16
CRMS0276 - Just east of Wilkinson Canal	1.29	1.35	1.28	0.83	0.43	0.21	0.13	0.23	0.68	0.52	1.04	1.32
Barataria Waterway at Lafitte (USACE82875)	1.37	1.48	1.35	1.32	0.67	0.38	0.28	0.17	1.17	0.79	1.43	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.23	1.14	1.16	1.20	0.63	0.03	0.00	0.09	0.21	1.21	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.22	1.16	0.95	0.51	0.12	0.09	0.09	0.18	0.11	0.98	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.31	1.20	0.93	0.57	0.19	0.09	0.09	0.18	0.11	0.99	1.21
USGS 07380335 - Little Lake Near Cutoff	1.23	1.31	1.21	0.71	0.40	0.16	0.20	0.21	0.34	0.20	0.87	1.24
USGS073802516 Barataria Pass at Grand Isle	1.15	1.23	0.99	0.30	0.12	0.02	0.04	0.06	0.20	0.04	0.72	1.09
HWQ14 - Lake Washington	1.02	1.11	0.88	0.24	0.12	0.03	0.11	0.12	0.20	0.10	0.58	0.92
HWQ16 - Bayou Grand Liard	1.10	1.16	1.06	0.60	0.43	0.35	0.45	0.20	0.47	0.33	0.67	1.07
CRMS 3985	1.03	1.05	1.02	0.46	0.25	0.13	0.25	0.26	0.33	0.23	0.61	1.00
CRMS 0258	1.27	1.32	1.17	0.28	0.01	0.00	0.01	0.00	0.03	0.03	0.82	1.25
CRMS 0224	1.27	1.33	1.21	0.46	0.05	0.02	0.01	0.01	0.11	0.06	0.84	1.26
CRMS 0163	1.25	1.34	1.19	1.24	1.34	0.91	0.16	0.26	1.44	1.21	1.35	1.20
CRMS 0162	1.21	1.29	1.19	1.20	1.25	1.18	1.39	0.96	1.03	0.93	1.26	1.19

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.44	0.39	0.87	1.16	1.26	1.31	1.34	1.39	1.29	1.25	1.02	0.88
CRMS0276 - Just east of Wilkinson Canal	0.11	0.03	-0.01	-0.06	-0.11	-0.05	-0.05	-0.03	0.00	0.03	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.00	-0.01	0.00	0.01	0.01	0.06	0.09	0.08	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.41	0.35	0.94	1.15	1.19	0.63	0.02	0.00	0.07	0.20	0.97	0.82
USGS7380251 Barataria Bay North of Grand Isle	0.43	0.35	0.64	0.94	0.50	0.10	0.01	-0.05	0.01	0.02	0.74	0.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.42	0.83	0.83	0.56	0.16	0.04	0.02	0.06	0.06	0.71	0.68
USGS 07380335 - Little Lake Near Cutoff	0.35	0.33	0.74	0.49	0.36	0.12	0.07	0.04	0.06	0.05	0.44	0.49
USGS073802516 Barataria Pass at Grand Isle	0.36	0.33	0.64	0.20	0.11	0.01	0.00	0.01	0.06	0.02	0.48	0.52
HWQ14 - Lake Washington	0.36	0.32	0.52	0.24	0.12	0.02	0.04	-0.03	0.02	0.04	0.43	0.51
HWQ16 - Bayou Grand Liard	0.12	0.11	0.14	-0.07	-0.08	-0.06	-0.02	0.06	0.03	0.05	0.09	0.13
CRMS 3985	0.25	0.10	0.30	0.43	0.21	0.06	0.05	-0.15	-0.10	-0.09	0.28	0.33
CRMS 0258	0.33	0.25	0.59	0.16	0.00	0.00	0.00	0.00	0.00	0.01	0.17	0.33
CRMS 0224	0.42	0.35	0.90	0.33	0.05	0.01	0.00	0.00	0.01	0.05	0.44	0.55
CRMS 0163	0.01	0.02	0.00	0.00	0.00	0.00	-0.01	0.00	0.05	0.05	0.01	0.00
CRMS 0162	0.00	0.02	0.00	0.00	0.00	0.02	0.03	0.06	0.06	0.15	0.00	0.00

Figure WQ NO3 81 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.88	0.27	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.28
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.27	0.90	0.61	0.20	0.14	0.26	0.54	0.37	0.49	1.15
Barataria Waterway at Lafitte (USACE82875)	1.39	1.36	1.35	1.34	0.89	0.13	0.27	0.17	0.74	0.48	1.10	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	0.87	0.21	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.47	0.01	0.01	0.02	0.05	0.12	0.14	0.07	0.25	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.91	0.38	0.09	0.01	0.02	0.04	0.07	0.10	0.04	0.14	0.47
USGS 07380335 - Little Lake Near Cutoff	0.82	0.98	0.50	0.21	0.06	0.03	0.10	0.20	0.25	0.12	0.14	0.57
USGS073802516 Barataria Pass at Grand Isle	0.79	0.92	0.37	0.10	0.02	0.01	0.02	0.06	0.12	0.02	0.11	0.46
HWQ14 - Lake Washington	0.81	0.86	0.35	0.01	0.01	0.02	0.05	0.11	0.15	0.05	0.16	0.49
HWQ16 - Bayou Grand Liard	0.82	1.06	0.93	0.68	0.58	0.37	0.42	0.30	0.43	0.21	0.20	0.67
CRMS 3985	1.03	1.00	0.57	0.02	0.03	0.06	0.13	0.41	0.38	0.25	0.45	0.90
CRMS 0258	0.88	1.02	0.59	0.11	0.00	0.00	0.02	0.00	0.03	0.00	0.37	0.76
CRMS 0224	0.80	0.97	0.35	0.13	0.01	0.01	0.01	0.01	0.08	0.01	0.23	0.58
CRMS 0163	1.32	1.22	1.19	1.24	1.25	0.66	0.20	0.26	1.25	1.01	1.37	1.33
CRMS 0162	1.29	1.21	1.19	1.20	1.23	1.10	1.39	0.96	0.72	0.46	1.16	1.30

V3PR2 HYST - cy 2 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.18	1.15	1.17	1.17	1.31	1.32	1.36	1.33	1.30	1.30	1.26
CRMS0276 - Just east of Wilkinson Canal	1.13	1.31	1.26	0.84	0.53	0.17	0.11	0.24	0.55	0.45	0.58	1.15
Barataria Waterway at Lafitte (USACE82875)	1.40	1.37	1.34	1.32	0.92	0.15	0.30	0.24	0.80	0.55	1.14	1.46
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.17	1.14	1.16	1.17	0.32	0.01	0.00	0.08	0.08	0.74	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.11	1.17	1.14	0.95	0.69	0.06	0.08	0.09	0.17	0.09	0.46	0.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.22	1.18	0.92	0.73	0.09	0.07	0.10	0.17	0.08	0.43	0.96
USGS 07380335 - Little Lake Near Cutoff	1.09	1.22	1.19	0.70	0.52	0.11	0.14	0.24	0.33	0.18	0.38	0.89
USGS073802516 Barataria Pass at Grand Isle	1.03	1.14	0.95	0.31	0.16	0.01	0.03	0.08	0.19	0.03	0.29	0.73
HWQ14 - Lake Washington	0.96	1.04	0.83	0.24	0.15	0.03	0.10	0.13	0.19	0.10	0.31	0.71
HWQ16 - Bayou Grand Liard	0.90	1.14	1.03	0.60	0.48	0.34	0.43	0.37	0.46	0.28	0.30	0.75
CRMS 3985	1.03	1.06	0.97	0.46	0.30	0.12	0.24	0.26	0.31	0.23	0.48	0.92
CRMS 0258	1.22	1.22	1.16	0.24	0.04	0.01	0.02	0.00	0.03	0.01	0.57	1.02
CRMS 0224	1.18	1.23	1.19	0.44	0.09	0.01	0.01	0.01	0.09	0.05	0.49	0.95
CRMS 0163	1.32	1.23	1.19	1.23	1.25	0.68	0.21	0.27	1.31	1.13	1.39	1.34
CRMS 0162	1.29	1.21	1.19	1.21	1.23	1.10	1.40	1.07	0.89	0.66	1.16	1.30

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.31	0.88	1.16	1.17	1.31	1.32	1.35	1.32	1.30	1.17	0.97
CRMS0276 - Just east of Wilkinson Canal	0.09	0.00	-0.02	-0.05	-0.09	-0.03	-0.03	-0.02	0.01	0.08	0.09	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.02	0.03	0.01	0.03	0.08	0.06	0.07	0.04	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.41	0.30	0.93	1.15	1.16	0.32	0.00	0.00	0.07	0.08	0.59	0.79
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.24	0.67	0.94	0.68	0.05	0.03	-0.03	0.02	0.02	0.22	0.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.30	0.80	0.83	0.72	0.07	0.03	0.03	0.07	0.04	0.29	0.50
USGS 07380335 - Little Lake Near Cutoff	0.27	0.24	0.70	0.49	0.47	0.08	0.04	0.05	0.07	0.06	0.24	0.32
USGS073802516 Barataria Pass at Grand Isle	0.24	0.22	0.58	0.22	0.14	0.00	0.01	0.02	0.07	0.02	0.18	0.28
HWQ14 - Lake Washington	0.15	0.18	0.48	0.23	0.15	0.02	0.04	0.02	0.04	0.05	0.15	0.22
HWQ16 - Bayou Grand Liard	0.07	0.08	0.10	-0.08	-0.10	-0.03	0.01	0.07	0.03	0.07	0.10	0.08
CRMS 3985	0.00	0.06	0.39	0.45	0.27	0.07	0.11	-0.16	-0.07	-0.02	0.03	0.01
CRMS 0258	0.34	0.20	0.57	0.13	0.04	0.00	0.01	0.00	0.00	0.00	0.20	0.25
CRMS 0224	0.39	0.26	0.84	0.31	0.08	0.00	0.00	0.00	0.02	0.04	0.27	0.37
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.02	0.02	0.01	0.06	0.11	0.02	0.00
CRMS 0162	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.11	0.17	0.20	-0.01	0.01

Figure WQ NO3 82 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.83	0.26	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.27
CRMS0276 - Just east of Wilkinson Canal	0.90	1.25	1.13	0.93	0.71	0.35	0.10	0.15	0.36	0.46	0.87	1.13
Barataria Waterway at Lafitte (USACE82875)	1.37	1.41	1.45	1.34	1.09	0.41	0.06	0.02	0.36	0.96	1.35	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.79	0.19	0.03	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.92	0.64	0.01	0.01	0.02	0.12	0.08	0.12	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	0.85	0.40	0.07	0.01	0.02	0.04	0.04	0.08	0.04	0.26	0.47
USGS 07380335 - Little Lake Near Cutoff	0.74	0.90	0.45	0.20	0.04	0.03	0.08	0.09	0.15	0.11	0.35	0.61
USGS073802516 Barataria Pass at Grand Isle	0.73	0.86	0.37	0.10	0.02	0.01	0.01	0.02	0.07	0.02	0.22	0.47
HWQ14 - Lake Washington	0.79	0.84	0.47	0.01	0.01	0.01	0.07	0.06	0.13	0.04	0.18	0.47
HWQ16 - Bayou Grand Liard	0.73	0.98	0.79	0.67	0.56	0.39	0.21	0.06	0.19	0.13	0.44	0.73
CRMS 3985	1.03	1.00	0.88	0.04	0.04	0.11	0.39	0.36	0.32	0.37	0.39	0.88
CRMS 0258	0.71	0.92	0.36	0.17	0.00	0.00	0.00	0.00	0.04	0.08	0.56	0.80
CRMS 0224	0.71	0.88	0.29	0.15	0.01	0.01	0.01	0.01	0.05	0.03	0.36	0.59
CRMS 0163	1.35	1.32	1.38	1.39	1.38	0.72	0.09	0.20	0.74	1.33	1.38	1.36
CRMS 0162	1.31	1.28	1.31	1.23	1.21	1.00	0.92	0.34	0.15	1.03	1.27	1.33

V3PR2 HYST - cy 2 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.26	1.31	1.22	1.28	1.35	1.43	1.43	1.35	1.24	1.24	1.26
CRMS0276 - Just east of Wilkinson Canal	0.95	1.26	1.10	0.92	0.64	0.34	0.09	0.17	0.41	0.51	0.95	1.13
Barataria Waterway at Lafitte (USACE82875)	1.37	1.42	1.47	1.35	1.13	0.46	0.10	0.04	0.38	1.02	1.37	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	1.09	1.21	1.09	0.49	0.87	0.01	0.01	0.00	0.06	0.08	0.66	0.94
USGS7380251 Barataria Bay North of Grand Isle	1.03	1.14	0.96	0.42	0.36	0.03	0.07	0.08	0.12	0.10	0.50	0.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.96	1.15	0.83	0.39	0.38	0.04	0.06	0.07	0.12	0.06	0.46	0.83
USGS 07380335 - Little Lake Near Cutoff	0.88	1.12	0.69	0.41	0.26	0.05	0.10	0.13	0.22	0.15	0.48	0.79
USGS073802516 Barataria Pass at Grand Isle	0.87	1.05	0.51	0.22	0.03	0.01	0.02	0.03	0.12	0.02	0.32	0.66
HWQ14 - Lake Washington	0.90	1.00	0.54	0.13	0.03	0.02	0.07	0.11	0.16	0.08	0.30	0.66
HWQ16 - Bayou Grand Liard	0.73	1.03	0.79	0.66	0.46	0.38	0.23	0.07	0.26	0.25	0.52	0.73
CRMS 3985	1.07	1.05	0.77	0.25	0.14	0.09	0.19	0.30	0.27	0.30	0.51	0.92
CRMS 0258	0.97	1.09	0.37	0.14	0.00	0.00	0.00	0.00	0.02	0.00	0.62	0.88
CRMS 0224	0.95	1.12	0.49	0.23	0.01	0.01	0.01	0.01	0.08	0.04	0.49	0.76
CRMS 0163	1.35	1.33	1.40	1.39	1.39	0.74	0.10	0.22	0.78	1.36	1.38	1.36
CRMS 0162	1.31	1.29	1.34	1.23	1.21	1.00	1.00	0.39	0.13	1.14	1.26	1.33

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.44	1.05	1.20	1.27	1.35	1.42	1.42	1.33	1.23	1.04	1.00
CRMS0276 - Just east of Wilkinson Canal	0.05	0.00	-0.03	-0.01	-0.08	-0.01	0.00	0.03	0.05	0.06	0.08	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.03	0.01	0.04	0.05	0.04	0.02	0.01	0.06	0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.40	0.42	0.90	0.45	0.86	0.00	0.00	0.00	0.05	0.07	0.46	0.67
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.22	0.32	0.41	0.35	0.00	-0.05	0.00	0.00	-0.01	0.23	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.30	0.43	0.32	0.37	0.02	0.02	0.03	0.04	0.02	0.20	0.36
USGS 07380335 - Little Lake Near Cutoff	0.14	0.21	0.24	0.21	0.23	0.03	0.02	0.03	0.06	0.04	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.14	0.19	0.14	0.12	0.01	0.00	0.00	0.01	0.04	0.01	0.10	0.19
HWQ14 - Lake Washington	0.11	0.16	0.07	0.12	0.03	0.01	0.00	0.06	0.03	0.04	0.12	0.19
HWQ16 - Bayou Grand Liard	0.01	0.05	0.00	-0.01	-0.10	0.00	0.01	0.01	0.07	0.12	0.08	0.00
CRMS 3985	0.04	0.05	-0.11	0.21	0.10	-0.02	-0.20	-0.06	-0.05	-0.07	0.12	0.04
CRMS 0258	0.25	0.17	0.01	-0.03	0.00	0.00	0.00	0.00	-0.02	-0.07	0.06	0.08
CRMS 0224	0.24	0.24	0.20	0.08	0.00	0.00	0.00	0.00	0.03	0.00	0.12	0.17
CRMS 0163	0.00	0.01	0.02	0.01	0.01	0.02	0.01	0.01	0.05	0.03	0.00	0.00
CRMS 0162	0.00	0.01	0.02	0.00	-0.01	0.00	0.08	0.06	-0.02	0.10	-0.01	0.00

Figure WQ NO3 83 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.89	0.27	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	1.03	1.31	1.18	0.92	0.66	0.42	0.22	0.32	0.73	0.50	0.57	0.96
Barataria Waterway at Lafitte (USACE82875)	1.36	1.33	1.41	1.34	0.85	0.60	0.95	0.60	0.98	0.81	1.00	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.89	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.20	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.47	0.01	0.01	0.03	0.07	0.09	0.16	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.94	0.35	0.09	0.01	0.03	0.06	0.09	0.12	0.06	0.23	0.43
USGS 07380335 - Little Lake Near Cutoff	0.80	1.01	0.44	0.22	0.05	0.07	0.17	0.26	0.29	0.16	0.27	0.50
USGS073802516 Barataria Pass at Grand Isle	0.78	0.94	0.33	0.10	0.01	0.02	0.05	0.11	0.16	0.02	0.16	0.41
HWQ14 - Lake Washington	0.81	0.86	0.33	0.01	0.01	0.02	0.08	0.11	0.17	0.08	0.19	0.49
HWQ16 - Bayou Grand Liard	0.85	1.09	0.87	0.68	0.54	0.54	0.62	0.65	0.53	0.36	0.29	0.53
CRMS 3985	1.02	0.98	0.62	0.03	0.04	0.08	0.18	0.29	0.40	0.33	0.46	0.92
CRMS 0258	0.85	1.05	0.56	0.11	0.00	0.00	0.01	0.00	0.05	0.01	0.52	0.67
CRMS 0224	0.77	1.00	0.31	0.14	0.00	0.01	0.01	0.01	0.07	0.01	0.31	0.53
CRMS 0163	1.27	1.19	1.27	1.27	1.31	1.10	0.99	0.42	1.35	1.27	1.36	1.38
CRMS 0162	1.24	1.19	1.26	1.21	1.24	1.33	1.41	1.35	1.21	1.18	1.11	1.30

V3PR2 HYST - cy 2 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.31	1.30	1.28	1.24	1.35	1.30
CRMS0276 - Just east of Wilkinson Canal	1.12	1.33	1.09	0.86	0.53	0.37	0.21	0.25	0.78	0.56	0.69	1.01
Barataria Waterway at Lafitte (USACE82875)	1.37	1.34	1.41	1.31	0.87	0.60	0.92	0.61	1.13	0.86	1.03	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.14	1.20	1.17	1.19	1.24	1.26	0.66	0.06	0.07	0.80	1.00
USGS7380251 Barataria Bay North of Grand Isle	1.14	1.17	1.19	0.91	0.70	0.29	0.39	0.18	0.14	0.11	0.52	0.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.21	1.20	0.87	0.67	0.45	0.52	0.26	0.19	0.11	0.52	0.85
USGS 07380335 - Little Lake Near Cutoff	1.10	1.24	1.15	0.63	0.52	0.34	0.46	0.40	0.40	0.24	0.51	0.77
USGS073802516 Barataria Pass at Grand Isle	1.04	1.18	0.88	0.30	0.10	0.04	0.13	0.15	0.20	0.07	0.38	0.67
HWQ14 - Lake Washington	0.98	1.08	0.81	0.23	0.13	0.07	0.20	0.22	0.18	0.11	0.37	0.69
HWQ16 - Bayou Grand Liard	0.92	1.18	0.92	0.57	0.44	0.42	0.51	0.57	0.58	0.39	0.40	0.62
CRMS 3985	1.05	1.08	0.99	0.44	0.30	0.21	0.35	0.35	0.21	0.24	0.51	0.93
CRMS 0258	1.20	1.26	1.11	0.15	0.00	0.00	0.02	0.00	0.16	0.03	0.74	0.95
CRMS 0224	1.18	1.26	1.13	0.42	0.03	0.02	0.08	0.01	0.10	0.08	0.61	0.82
CRMS 0163	1.28	1.20	1.28	1.28	1.30	1.06	0.92	0.39	1.42	1.31	1.38	1.39
CRMS 0162	1.25	1.19	1.26	1.21	1.25	1.33	1.41	1.41	1.29	1.25	1.12	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.40	0.27	0.96	1.20	1.23	1.27	1.31	1.30	1.26	1.24	1.18	1.05
CRMS0276 - Just east of Wilkinson Canal	0.10	0.02	-0.08	-0.06	-0.13	-0.05	-0.01	-0.07	0.05	0.05	0.12	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	-0.02	0.02	0.00	-0.03	0.01	0.15	0.05	0.02	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.25	1.00	1.16	1.18	1.24	1.26	0.65	0.04	0.07	0.60	0.68
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.25	0.72	0.90	0.69	0.27	0.33	0.09	-0.02	0.00	0.25	0.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.28	0.85	0.78	0.65	0.42	0.46	0.18	0.07	0.05	0.30	0.41
USGS 07380335 - Little Lake Near Cutoff	0.30	0.23	0.71	0.41	0.47	0.27	0.29	0.14	0.11	0.07	0.24	0.27
USGS073802516 Barataria Pass at Grand Isle	0.26	0.24	0.55	0.20	0.09	0.02	0.08	0.04	0.04	0.04	0.22	0.26
HWQ14 - Lake Washington	0.17	0.22	0.49	0.22	0.12	0.05	0.13	0.11	0.01	0.03	0.18	0.21
HWQ16 - Bayou Grand Liard	0.07	0.09	0.05	-0.11	-0.10	-0.12	-0.11	-0.08	0.05	0.04	0.11	0.09
CRMS 3985	0.04	0.10	0.37	0.41	0.26	0.13	0.17	0.05	-0.19	-0.10	0.04	0.00
CRMS 0258	0.35	0.21	0.55	0.03	0.00	0.00	0.01	0.00	0.11	0.03	0.22	0.28
CRMS 0224	0.41	0.26	0.82	0.28	0.02	0.01	0.07	0.00	0.03	0.07	0.30	0.29
CRMS 0163	0.01	0.00	0.00	0.00	-0.01	-0.04	-0.07	-0.03	0.07	0.04	0.02	0.01
CRMS 0162	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.06	0.08	0.07	0.00	0.01

Figure WQ NO3 84 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.65	0.29	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.23
CRMS0276 - Just east of Wilkinson Canal	1.02	1.19	1.23	1.05	1.07	0.28	0.13	0.27	0.65	0.47	0.46	1.24
Barataria Waterway at Lafitte (USACE82875)	1.41	1.48	1.38	1.38	1.30	0.44	0.44	0.25	0.75	0.64	1.04	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.67	0.21	0.03	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.75	0.59	0.01	0.01	0.02	0.06	0.06	0.16	0.11	0.24	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.73	0.33	0.11	0.02	0.03	0.05	0.08	0.11	0.06	0.18	0.39
USGS 07380335 - Little Lake Near Cutoff	0.71	0.81	0.40	0.28	0.13	0.06	0.12	0.25	0.28	0.16	0.19	0.57
USGS073802516 Barataria Pass at Grand Isle	0.60	0.74	0.27	0.13	0.04	0.01	0.03	0.11	0.14	0.03	0.13	0.42
HWQ14 - Lake Washington	0.42	0.66	0.37	0.01	0.01	0.02	0.07	0.08	0.15	0.09	0.17	0.26
HWQ16 - Bayou Grand Liard	0.82	0.89	0.79	0.76	0.75	0.49	0.56	0.58	0.51	0.33	0.20	0.74
CRMS 3985	0.54	0.86	0.83	0.06	0.03	0.07	0.18	0.21	0.34	0.30	0.39	0.19
CRMS 0258	0.80	0.82	0.58	0.23	0.01	0.00	0.00	0.00	0.04	0.01	0.46	0.83
CRMS 0224	0.68	0.80	0.34	0.20	0.03	0.01	0.01	0.01	0.07	0.01	0.26	0.60
CRMS 0163	1.35	1.42	1.25	1.26	1.15	1.22	0.59	0.27	1.28	1.19	1.38	1.27
CRMS 0162	1.30	1.31	1.24	1.21	1.14	1.25	1.41	1.30	1.10	0.81	1.15	1.25

V3PR2 HYST - cy 2 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.33	1.20	1.19	1.07	1.18	1.31	1.31	1.29	1.29	1.33	1.20
CRMS0276 - Just east of Wilkinson Canal	1.19	1.22	1.22	1.00	0.90	0.26	0.15	0.20	0.68	0.51	0.54	1.23
Barataria Waterway at Lafitte (USACE82875)	1.43	1.48	1.39	1.38	1.29	0.49	0.42	0.29	0.83	0.73	1.08	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.23	1.17	1.18	1.07	1.17	1.26	0.03	0.07	0.08	0.81	1.18
USGS7380251 Barataria Bay North of Grand Isle	1.10	1.08	1.13	1.00	0.84	0.21	0.26	0.08	0.15	0.11	0.51	1.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.12	1.16	1.00	0.85	0.49	0.42	0.13	0.18	0.10	0.49	1.18
USGS 07380335 - Little Lake Near Cutoff	1.11	1.09	1.13	0.83	0.74	0.33	0.37	0.32	0.37	0.22	0.44	1.12
USGS073802516 Barataria Pass at Grand Isle	1.06	1.04	0.91	0.38	0.25	0.03	0.08	0.06	0.19	0.06	0.34	0.95
HWQ14 - Lake Washington	0.99	0.99	0.84	0.32	0.22	0.06	0.16	0.16	0.18	0.11	0.35	0.84
HWQ16 - Bayou Grand Liard	0.92	0.99	0.94	0.72	0.67	0.38	0.46	0.55	0.54	0.36	0.30	0.86
CRMS 3985	1.04	1.04	1.03	0.55	0.39	0.18	0.31	0.31	0.22	0.24	0.50	1.00
CRMS 0258	1.35	1.19	1.12	0.46	0.06	0.00	0.01	0.02	0.16	0.01	0.70	1.17
CRMS 0224	1.24	1.15	1.11	0.64	0.15	0.03	0.06	0.00	0.10	0.07	0.57	1.14
CRMS 0163	1.35	1.42	1.25	1.26	1.15	1.21	0.52	0.27	1.34	1.25	1.38	1.26
CRMS 0162	1.29	1.32	1.24	1.21	1.14	1.25	1.41	1.35	1.20	0.93	1.15	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.80	0.68	0.91	1.17	1.07	1.18	1.30	1.30	1.27	1.29	1.18	0.97
CRMS0276 - Just east of Wilkinson Canal	0.17	0.04	-0.01	-0.05	-0.17	-0.02	0.02	-0.07	0.03	0.04	0.08	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.01	0.00	0.00	0.05	-0.02	0.04	0.08	0.09	0.04	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.60	0.56	0.96	1.15	1.07	1.17	1.25	0.03	0.05	0.07	0.62	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.61	0.33	0.53	0.98	0.83	0.19	0.20	0.02	-0.01	0.01	0.28	0.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.56	0.39	0.83	0.88	0.82	0.46	0.37	0.04	0.07	0.04	0.31	0.79
USGS 07380335 - Little Lake Near Cutoff	0.41	0.29	0.73	0.55	0.61	0.27	0.25	0.07	0.09	0.06	0.25	0.56
USGS073802516 Barataria Pass at Grand Isle	0.47	0.30	0.64	0.24	0.21	0.02	0.05	-0.05	0.05	0.03	0.21	0.53
HWQ14 - Lake Washington	0.57	0.33	0.47	0.31	0.21	0.04	0.09	0.08	0.03	0.03	0.18	0.58
HWQ16 - Bayou Grand Liard	0.10	0.09	0.15	-0.05	-0.08	-0.12	-0.09	-0.04	0.02	0.04	0.10	0.12
CRMS 3985	0.50	0.18	0.20	0.49	0.36	0.11	0.13	0.10	-0.12	-0.06	0.12	0.81
CRMS 0258	0.55	0.36	0.55	0.22	0.05	0.00	0.01	0.02	0.12	0.01	0.24	0.35
CRMS 0224	0.56	0.35	0.77	0.44	0.12	0.02	0.05	0.00	0.03	0.06	0.31	0.55
CRMS 0163	0.01	0.00	0.01	0.00	0.00	-0.01	-0.07	0.00	0.06	0.06	0.00	-0.01
CRMS 0162	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.11	0.11	0.00	-0.01

Figure WQ NO3 85 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.75	0.86	0.28	0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.25	0.28
CRMS0276 - Just east of Wilkinson Canal	1.18	1.32	1.29	0.89	0.54	0.26	0.18	0.26	0.68	0.49	1.03	1.31
Barataria Waterway at Lafitte (USACE82875)	1.36	1.46	1.35	1.33	0.67	0.37	0.26	0.11	1.08	0.71	1.42	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	0.75	0.88	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.24	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.73	0.87	0.51	0.01	0.01	0.02	0.08	0.14	0.18	0.10	0.24	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.89	0.37	0.09	0.01	0.02	0.05	0.07	0.12	0.05	0.29	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	0.97	0.47	0.22	0.04	0.04	0.14	0.17	0.28	0.15	0.42	0.75
USGS073802516 Barataria Pass at Grand Isle	0.79	0.89	0.35	0.10	0.01	0.01	0.04	0.05	0.14	0.02	0.24	0.57
HWQ14 - Lake Washington	0.65	0.79	0.36	0.01	0.01	0.02	0.07	0.15	0.18	0.06	0.15	0.41
HWQ16 - Bayou Grand Liard	0.98	1.05	0.92	0.67	0.51	0.41	0.46	0.14	0.45	0.28	0.58	0.94
CRMS 3985	0.78	0.95	0.72	0.03	0.04	0.07	0.20	0.41	0.43	0.32	0.33	0.67
CRMS 0258	0.94	1.07	0.58	0.12	0.00	0.00	0.00	0.00	0.03	0.02	0.65	0.92
CRMS 0224	0.84	0.98	0.31	0.14	0.00	0.01	0.01	0.01	0.10	0.01	0.40	0.71
CRMS 0163	1.24	1.31	1.19	1.24	1.34	0.91	0.16	0.26	1.39	1.16	1.34	1.20
CRMS 0162	1.21	1.27	1.19	1.20	1.25	1.16	1.36	0.89	0.97	0.79	1.26	1.19

V3PR3 HYST - cy 2 - 1985 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.20	1.26	1.15	1.17	1.26	1.32	1.35	1.39	1.32	1.26	1.27	1.16
CRMS0276 - Just east of Wilkinson Canal	1.29	1.35	1.28	0.82	0.43	0.21	0.13	0.24	0.69	0.53	1.04	1.32
Barataria Waterway at Lafitte (USACE82875)	1.37	1.48	1.35	1.31	0.66	0.38	0.27	0.18	1.16	0.80	1.43	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.24	1.14	1.17	1.21	0.64	0.03	0.00	0.09	0.27	1.22	1.15
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.22	1.16	0.95	0.50	0.12	0.09	0.09	0.18	0.11	0.98	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.31	1.20	0.92	0.57	0.18	0.09	0.09	0.17	0.11	0.99	1.21
USGS 07380335 - Little Lake Near Cutoff	1.23	1.31	1.21	0.70	0.40	0.16	0.21	0.21	0.34	0.21	0.87	1.24
USGS073802516 Barataria Pass at Grand Isle	1.15	1.23	0.99	0.30	0.12	0.02	0.04	0.06	0.20	0.04	0.72	1.08
HWQ14 - Lake Washington	1.01	1.11	0.88	0.25	0.12	0.04	0.11	0.12	0.19	0.10	0.57	0.92
HWQ16 - Bayou Grand Liard	1.11	1.16	1.05	0.60	0.42	0.35	0.45	0.20	0.47	0.33	0.66	1.07
CRMS 3985	1.04	1.06	1.03	0.47	0.24	0.13	0.25	0.26	0.33	0.23	0.60	1.00
CRMS 0258	1.27	1.32	1.18	0.31	0.01	0.00	0.01	0.00	0.03	0.03	0.83	1.25
CRMS 0224	1.27	1.33	1.21	0.47	0.05	0.01	0.01	0.01	0.11	0.06	0.85	1.26
CRMS 0163	1.25	1.34	1.19	1.24	1.34	0.92	0.16	0.26	1.43	1.22	1.35	1.20
CRMS 0162	1.22	1.29	1.19	1.21	1.25	1.20	1.38	0.95	1.01	0.88	1.26	1.19

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.44	0.39	0.87	1.16	1.26	1.31	1.35	1.38	1.30	1.25	1.02	0.88
CRMS0276 - Just east of Wilkinson Canal	0.11	0.03	-0.01	-0.06	-0.11	-0.05	-0.04	-0.03	0.01	0.04	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.00	-0.01	-0.01	0.01	0.01	0.07	0.07	0.09	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.36	0.94	1.15	1.21	0.63	0.02	0.00	0.07	0.26	0.98	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.43	0.35	0.64	0.95	0.49	0.10	0.01	-0.05	0.00	0.01	0.74	0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.42	0.83	0.83	0.56	0.16	0.04	0.02	0.05	0.06	0.71	0.68
USGS 07380335 - Little Lake Near Cutoff	0.34	0.33	0.74	0.49	0.36	0.12	0.07	0.04	0.06	0.06	0.44	0.49
USGS073802516 Barataria Pass at Grand Isle	0.36	0.33	0.64	0.20	0.11	0.01	0.00	0.01	0.06	0.02	0.48	0.51
HWQ14 - Lake Washington	0.36	0.32	0.52	0.24	0.11	0.02	0.04	-0.03	0.01	0.04	0.42	0.51
HWQ16 - Bayou Grand Liard	0.13	0.11	0.13	-0.07	-0.08	-0.07	-0.01	0.05	0.03	0.05	0.08	0.13
CRMS 3985	0.26	0.11	0.30	0.44	0.21	0.06	0.05	-0.16	-0.10	-0.09	0.28	0.33
CRMS 0258	0.33	0.25	0.60	0.19	0.00	0.00	0.00	0.00	0.00	0.01	0.17	0.33
CRMS 0224	0.42	0.35	0.90	0.33	0.05	0.01	0.00	0.00	0.01	0.05	0.45	0.55
CRMS 0163	0.01	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.04	0.06	0.01	0.00
CRMS 0162	0.01	0.01	0.00	0.00	-0.01	0.04	0.02	0.06	0.03	0.09	0.00	0.00

Figure WQ NO3 86 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.88	0.27	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.28
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.27	0.90	0.61	0.20	0.14	0.26	0.54	0.37	0.49	1.15
Barataria Waterway at Lafitte (USACE82875)	1.39	1.36	1.35	1.34	0.89	0.13	0.27	0.17	0.74	0.48	1.10	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	0.87	0.21	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.47	0.01	0.01	0.02	0.05	0.12	0.14	0.07	0.25	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.91	0.38	0.09	0.01	0.02	0.04	0.07	0.10	0.04	0.14	0.47
USGS 07380335 - Little Lake Near Cutoff	0.82	0.98	0.50	0.21	0.06	0.03	0.10	0.20	0.25	0.12	0.14	0.57
USGS073802516 Barataria Pass at Grand Isle	0.79	0.92	0.37	0.10	0.02	0.01	0.02	0.06	0.12	0.02	0.11	0.46
HWQ14 - Lake Washington	0.81	0.86	0.35	0.01	0.01	0.02	0.05	0.11	0.15	0.05	0.16	0.49
HWQ16 - Bayou Grand Liard	0.82	1.06	0.93	0.68	0.58	0.37	0.42	0.30	0.43	0.21	0.20	0.67
CRMS 3985	1.03	1.00	0.57	0.02	0.03	0.06	0.13	0.41	0.38	0.25	0.45	0.90
CRMS 0258	0.88	1.02	0.59	0.11	0.00	0.00	0.02	0.00	0.03	0.00	0.37	0.76
CRMS 0224	0.80	0.97	0.35	0.13	0.01	0.01	0.01	0.01	0.08	0.01	0.23	0.58
CRMS 0163	1.32	1.22	1.19	1.24	1.25	0.66	0.20	0.26	1.25	1.01	1.37	1.33
CRMS 0162	1.29	1.21	1.19	1.20	1.23	1.10	1.39	0.96	0.72	0.46	1.16	1.30

V3PR3 HYST - cy 2 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.18	1.15	1.17	1.17	1.31	1.32	1.36	1.33	1.28	1.31	1.26
CRMS0276 - Just east of Wilkinson Canal	1.14	1.31	1.25	0.84	0.52	0.17	0.11	0.23	0.55	0.43	0.55	1.16
Barataria Waterway at Lafitte (USACE82875)	1.40	1.37	1.34	1.31	0.90	0.14	0.30	0.24	0.79	0.55	1.13	1.46
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.17	1.14	1.16	1.17	0.33	0.01	0.00	0.09	0.16	0.86	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.12	1.17	1.15	0.96	0.69	0.06	0.08	0.09	0.16	0.11	0.46	0.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.21	1.19	0.91	0.73	0.09	0.07	0.10	0.16	0.08	0.42	0.96
USGS 07380335 - Little Lake Near Cutoff	1.10	1.22	1.20	0.70	0.52	0.12	0.14	0.24	0.32	0.18	0.38	0.89
USGS073802516 Barataria Pass at Grand Isle	1.04	1.14	0.96	0.31	0.17	0.01	0.03	0.08	0.19	0.03	0.28	0.73
HWQ14 - Lake Washington	0.97	1.04	0.86	0.24	0.16	0.03	0.10	0.13	0.18	0.11	0.30	0.71
HWQ16 - Bayou Grand Liard	0.93	1.13	1.03	0.59	0.49	0.34	0.42	0.36	0.45	0.28	0.29	0.76
CRMS 3985	1.03	1.07	1.02	0.48	0.30	0.13	0.24	0.25	0.30	0.28	0.47	0.93
CRMS 0258	1.23	1.23	1.16	0.26	0.04	0.00	0.02	0.00	0.03	0.01	0.57	1.02
CRMS 0224	1.19	1.23	1.19	0.44	0.09	0.01	0.01	0.01	0.10	0.04	0.49	0.94
CRMS 0163	1.32	1.23	1.19	1.23	1.25	0.66	0.20	0.27	1.30	1.10	1.39	1.34
CRMS 0162	1.29	1.21	1.19	1.20	1.23	1.08	1.41	1.05	0.86	0.55	1.16	1.30

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.31	0.88	1.16	1.17	1.31	1.32	1.36	1.31	1.27	1.17	0.98
CRMS0276 - Just east of Wilkinson Canal	0.10	0.00	-0.02	-0.06	-0.09	-0.03	-0.03	-0.03	0.01	0.06	0.06	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.02	0.01	0.01	0.03	0.07	0.06	0.07	0.03	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.43	0.30	0.94	1.15	1.16	0.32	0.01	0.00	0.07	0.16	0.70	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.24	0.68	0.95	0.68	0.05	0.03	-0.02	0.02	0.04	0.21	0.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.30	0.80	0.83	0.72	0.07	0.03	0.03	0.06	0.04	0.28	0.49
USGS 07380335 - Little Lake Near Cutoff	0.28	0.24	0.70	0.49	0.46	0.08	0.04	0.05	0.07	0.05	0.23	0.32
USGS073802516 Barataria Pass at Grand Isle	0.25	0.22	0.59	0.21	0.15	0.00	0.01	0.02	0.07	0.02	0.17	0.28
HWQ14 - Lake Washington	0.16	0.18	0.52	0.24	0.15	0.02	0.05	0.02	0.03	0.07	0.15	0.23
HWQ16 - Bayou Grand Liard	0.10	0.07	0.10	-0.08	-0.09	-0.03	0.00	0.05	0.02	0.07	0.09	0.09
CRMS 3985	0.00	0.07	0.45	0.46	0.27	0.07	0.11	-0.16	-0.08	0.03	0.02	0.02
CRMS 0258	0.35	0.20	0.57	0.15	0.04	0.00	0.00	0.00	0.00	0.00	0.20	0.25
CRMS 0224	0.39	0.27	0.84	0.31	0.08	0.00	0.00	0.00	0.02	0.03	0.26	0.37
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.06	0.08	0.02	0.00
CRMS 0162	0.01	0.01	0.00	0.00	0.00	-0.02	0.02	0.09	0.14	0.09	0.00	0.01

Figure WQ NO3 87 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.83	0.26	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.27
CRMS0276 - Just east of Wilkinson Canal	0.90	1.25	1.13	0.93	0.71	0.35	0.10	0.15	0.36	0.46	0.87	1.13
Barataria Waterway at Lafitte (USACE82875)	1.37	1.41	1.45	1.34	1.09	0.41	0.06	0.02	0.36	0.96	1.35	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.79	0.19	0.03	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.92	0.64	0.01	0.01	0.02	0.12	0.08	0.12	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	0.85	0.40	0.07	0.01	0.02	0.04	0.04	0.08	0.04	0.26	0.47
USGS 07380335 - Little Lake Near Cutoff	0.74	0.90	0.45	0.20	0.04	0.03	0.08	0.09	0.15	0.11	0.35	0.61
USGS073802516 Barataria Pass at Grand Isle	0.73	0.86	0.37	0.10	0.02	0.01	0.01	0.02	0.07	0.02	0.22	0.47
HWQ14 - Lake Washington	0.79	0.84	0.47	0.01	0.01	0.01	0.07	0.06	0.13	0.04	0.18	0.47
HWQ16 - Bayou Grand Liard	0.73	0.98	0.79	0.67	0.56	0.39	0.21	0.06	0.19	0.13	0.44	0.73
CRMS 3985	1.03	1.00	0.88	0.04	0.04	0.11	0.39	0.36	0.32	0.37	0.39	0.88
CRMS 0258	0.71	0.92	0.36	0.17	0.00	0.00	0.00	0.00	0.04	0.08	0.56	0.80
CRMS 0224	0.71	0.88	0.29	0.15	0.01	0.01	0.01	0.01	0.05	0.03	0.36	0.59
CRMS 0163	1.35	1.32	1.38	1.39	1.38	0.72	0.09	0.20	0.74	1.33	1.38	1.36
CRMS 0162	1.31	1.28	1.31	1.23	1.21	1.00	0.92	0.34	0.15	1.03	1.27	1.33

V3PR3 HYST - cy 2 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.26	1.31	1.22	1.28	1.35	1.43	1.44	1.34	1.25	1.25	1.26
CRMS0276 - Just east of Wilkinson Canal	0.95	1.25	1.09	0.92	0.65	0.33	0.09	0.16	0.39	0.51	0.94	1.13
Barataria Waterway at Lafitte (USACE82875)	1.37	1.41	1.47	1.35	1.13	0.46	0.10	0.04	0.38	1.02	1.37	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	1.14	1.23	1.16	0.60	0.91	0.00	0.01	0.00	0.05	0.15	0.78	1.02
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.14	0.95	0.41	0.35	0.03	0.07	0.08	0.12	0.10	0.49	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.95	1.15	0.82	0.39	0.37	0.04	0.05	0.07	0.12	0.06	0.45	0.82
USGS 07380335 - Little Lake Near Cutoff	0.88	1.11	0.67	0.40	0.26	0.05	0.10	0.13	0.21	0.15	0.48	0.79
USGS073802516 Barataria Pass at Grand Isle	0.87	1.04	0.50	0.21	0.03	0.01	0.02	0.03	0.11	0.02	0.32	0.65
HWQ14 - Lake Washington	0.90	1.00	0.53	0.12	0.03	0.02	0.07	0.11	0.15	0.08	0.29	0.65
HWQ16 - Bayou Grand Liard	0.75	1.02	0.79	0.65	0.46	0.38	0.22	0.07	0.25	0.23	0.52	0.75
CRMS 3985	1.06	1.05	0.76	0.24	0.15	0.09	0.19	0.29	0.27	0.30	0.50	0.92
CRMS 0258	0.97	1.09	0.38	0.15	0.00	0.00	0.00	0.00	0.03	0.00	0.60	0.86
CRMS 0224	0.96	1.12	0.49	0.23	0.01	0.01	0.01	0.01	0.07	0.03	0.48	0.75
CRMS 0163	1.35	1.33	1.39	1.39	1.39	0.75	0.10	0.22	0.76	1.36	1.38	1.36
CRMS 0162	1.31	1.29	1.33	1.23	1.20	1.03	0.97	0.37	0.16	1.17	1.26	1.33

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.60	0.44	1.05	1.21	1.27	1.35	1.42	1.43	1.33	1.24	1.04	1.00
CRMS0276 - Just east of Wilkinson Canal	0.05	0.00	-0.04	-0.01	-0.06	-0.02	-0.01	0.02	0.03	0.05	0.07	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.02	0.01	0.04	0.04	0.04	0.01	0.02	0.06	0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.46	0.44	0.97	0.57	0.91	0.00	0.00	0.00	0.04	0.14	0.59	0.76
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.22	0.31	0.40	0.34	0.00	-0.05	0.00	0.00	-0.01	0.22	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.30	0.42	0.32	0.37	0.02	0.02	0.02	0.03	0.02	0.19	0.35
USGS 07380335 - Little Lake Near Cutoff	0.14	0.21	0.23	0.20	0.22	0.02	0.02	0.03	0.05	0.04	0.12	0.18
USGS073802516 Barataria Pass at Grand Isle	0.13	0.19	0.14	0.11	0.01	0.00	0.00	0.01	0.04	0.01	0.10	0.18
HWQ14 - Lake Washington	0.11	0.15	0.06	0.11	0.03	0.01	0.00	0.05	0.02	0.04	0.11	0.18
HWQ16 - Bayou Grand Liard	0.02	0.04	0.00	-0.02	-0.10	0.00	0.00	0.01	0.05	0.10	0.08	0.02
CRMS 3985	0.03	0.05	-0.12	0.20	0.11	-0.02	-0.20	-0.07	-0.05	-0.07	0.11	0.04
CRMS 0258	0.26	0.17	0.02	-0.02	0.00	0.00	0.00	0.00	-0.01	-0.07	0.04	0.07
CRMS 0224	0.25	0.24	0.20	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.11	0.16
CRMS 0163	0.00	0.01	0.02	0.01	0.01	0.03	0.01	0.02	0.02	0.03	0.00	0.00
CRMS 0162	0.00	0.01	0.01	0.00	-0.01	0.02	0.05	0.03	0.00	0.14	-0.01	0.00

Figure WQ NO3 88 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.89	0.27	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	1.03	1.31	1.18	0.92	0.66	0.42	0.22	0.32	0.73	0.50	0.57	0.96
Barataria Waterway at Lafitte (USACE82875)	1.36	1.33	1.41	1.34	0.85	0.60	0.95	0.60	0.98	0.81	1.00	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.89	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.20	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.47	0.01	0.01	0.03	0.07	0.09	0.16	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.94	0.35	0.09	0.01	0.03	0.06	0.09	0.12	0.06	0.23	0.43
USGS 07380335 - Little Lake Near Cutoff	0.80	1.01	0.44	0.22	0.05	0.07	0.17	0.26	0.29	0.16	0.27	0.50
USGS073802516 Barataria Pass at Grand Isle	0.78	0.94	0.33	0.10	0.01	0.02	0.05	0.11	0.16	0.02	0.16	0.41
HWQ14 - Lake Washington	0.81	0.86	0.33	0.01	0.01	0.02	0.08	0.11	0.17	0.08	0.19	0.49
HWQ16 - Bayou Grand Liard	0.85	1.09	0.87	0.68	0.54	0.54	0.62	0.65	0.53	0.36	0.29	0.53
CRMS 3985	1.02	0.98	0.62	0.03	0.04	0.08	0.18	0.29	0.40	0.33	0.46	0.92
CRMS 0258	0.85	1.05	0.56	0.11	0.00	0.00	0.01	0.00	0.05	0.01	0.52	0.67
CRMS 0224	0.77	1.00	0.31	0.14	0.00	0.01	0.01	0.01	0.07	0.01	0.31	0.53
CRMS 0163	1.27	1.19	1.27	1.27	1.31	1.10	0.99	0.42	1.35	1.27	1.36	1.38
CRMS 0162	1.24	1.19	1.26	1.21	1.24	1.33	1.41	1.35	1.21	1.18	1.11	1.30

V3PR3 HYST - cy 2 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.31	1.31	1.28	1.25	1.35	1.30
CRMS0276 - Just east of Wilkinson Canal	1.12	1.33	1.09	0.85	0.53	0.37	0.21	0.25	0.77	0.55	0.70	1.00
Barataria Waterway at Lafitte (USACE82875)	1.37	1.34	1.41	1.31	0.86	0.60	0.91	0.62	1.12	0.86	1.03	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.14	1.20	1.17	1.20	1.26	1.29	0.65	0.06	0.15	0.90	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.17	1.19	0.91	0.69	0.29	0.40	0.18	0.15	0.11	0.51	0.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.21	1.20	0.87	0.66	0.45	0.53	0.26	0.18	0.11	0.52	0.84
USGS 07380335 - Little Lake Near Cutoff	1.10	1.24	1.15	0.62	0.53	0.34	0.46	0.40	0.40	0.23	0.50	0.77
USGS073802516 Barataria Pass at Grand Isle	1.03	1.18	0.88	0.29	0.10	0.04	0.13	0.15	0.21	0.06	0.37	0.66
HWQ14 - Lake Washington	0.97	1.08	0.81	0.23	0.13	0.07	0.20	0.21	0.18	0.11	0.36	0.69
HWQ16 - Bayou Grand Liard	0.91	1.17	0.92	0.56	0.45	0.42	0.51	0.56	0.58	0.39	0.40	0.61
CRMS 3985	1.05	1.08	0.99	0.44	0.30	0.21	0.36	0.35	0.21	0.24	0.50	0.92
CRMS 0258	1.20	1.26	1.11	0.15	0.01	0.00	0.02	0.00	0.15	0.03	0.74	0.94
CRMS 0224	1.18	1.26	1.13	0.41	0.03	0.02	0.09	0.01	0.10	0.08	0.61	0.81
CRMS 0163	1.28	1.20	1.28	1.28	1.30	1.08	0.91	0.38	1.42	1.31	1.37	1.39
CRMS 0162	1.25	1.19	1.26	1.21	1.25	1.32	1.41	1.41	1.29	1.25	1.11	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.40	0.27	0.96	1.20	1.23	1.27	1.31	1.30	1.26	1.24	1.19	1.05
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	-0.08	-0.07	-0.13	-0.05	-0.01	-0.07	0.05	0.05	0.13	0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.03	0.01	0.00	-0.04	0.02	0.14	0.05	0.02	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.25	1.00	1.16	1.19	1.25	1.28	0.64	0.04	0.14	0.70	0.76
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.24	0.72	0.90	0.68	0.27	0.33	0.09	-0.02	0.00	0.24	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.28	0.85	0.78	0.65	0.42	0.47	0.18	0.07	0.05	0.29	0.40
USGS 07380335 - Little Lake Near Cutoff	0.29	0.23	0.71	0.40	0.48	0.27	0.29	0.14	0.10	0.07	0.23	0.27
USGS073802516 Barataria Pass at Grand Isle	0.25	0.23	0.54	0.19	0.09	0.02	0.08	0.04	0.05	0.04	0.22	0.25
HWQ14 - Lake Washington	0.17	0.22	0.49	0.22	0.12	0.05	0.13	0.10	0.01	0.04	0.17	0.20
HWQ16 - Bayou Grand Liard	0.07	0.08	0.05	-0.11	-0.09	-0.11	-0.11	-0.09	0.05	0.04	0.11	0.08
CRMS 3985	0.03	0.10	0.36	0.41	0.26	0.13	0.17	0.06	-0.19	-0.10	0.04	0.00
CRMS 0258	0.35	0.21	0.55	0.04	0.00	0.00	0.02	0.00	0.10	0.02	0.22	0.27
CRMS 0224	0.41	0.26	0.81	0.27	0.03	0.01	0.08	0.00	0.03	0.07	0.30	0.28
CRMS 0163	0.01	0.01	0.00	0.00	-0.01	-0.02	-0.08	-0.04	0.07	0.04	0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.08	0.06	0.00	0.01

Figure WQ NO3 89 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.65	0.29	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.23
CRMS0276 - Just east of Wilkinson Canal	1.02	1.19	1.23	1.05	1.07	0.28	0.13	0.27	0.65	0.47	0.46	1.24
Barataria Waterway at Lafitte (USACE82875)	1.41	1.48	1.38	1.38	1.30	0.44	0.44	0.25	0.75	0.64	1.04	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.67	0.21	0.03	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.75	0.59	0.01	0.01	0.02	0.06	0.06	0.16	0.11	0.24	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.73	0.33	0.11	0.02	0.03	0.05	0.08	0.11	0.06	0.18	0.39
USGS 07380335 - Little Lake Near Cutoff	0.71	0.81	0.40	0.28	0.13	0.06	0.12	0.25	0.28	0.16	0.19	0.57
USGS073802516 Barataria Pass at Grand Isle	0.60	0.74	0.27	0.13	0.04	0.01	0.03	0.11	0.14	0.03	0.13	0.42
HWQ14 - Lake Washington	0.42	0.66	0.37	0.01	0.01	0.02	0.07	0.08	0.15	0.09	0.17	0.26
HWQ16 - Bayou Grand Liard	0.82	0.89	0.79	0.76	0.75	0.49	0.56	0.58	0.51	0.33	0.20	0.74
CRMS 3985	0.54	0.86	0.83	0.06	0.03	0.07	0.18	0.21	0.34	0.30	0.39	0.19
CRMS 0258	0.80	0.82	0.58	0.23	0.01	0.00	0.00	0.00	0.04	0.01	0.46	0.83
CRMS 0224	0.68	0.80	0.34	0.20	0.03	0.01	0.01	0.01	0.07	0.01	0.26	0.60
CRMS 0163	1.35	1.42	1.25	1.26	1.15	1.22	0.59	0.27	1.28	1.19	1.38	1.27
CRMS 0162	1.30	1.31	1.24	1.21	1.14	1.25	1.41	1.30	1.10	0.81	1.15	1.25

V3PR3 HYST - cy 2 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.33	1.20	1.19	1.07	1.18	1.31	1.31	1.30	1.30	1.34	1.20
CRMS0276 - Just east of Wilkinson Canal	1.19	1.22	1.23	0.99	0.88	0.25	0.15	0.20	0.67	0.51	0.53	1.22
Barataria Waterway at Lafitte (USACE82875)	1.42	1.48	1.39	1.37	1.29	0.47	0.42	0.28	0.83	0.71	1.07	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.26	1.18	1.18	1.07	1.18	1.28	0.05	0.07	0.16	0.90	1.18
USGS7380251 Barataria Bay North of Grand Isle	1.10	1.07	1.13	0.99	0.84	0.20	0.27	0.08	0.15	0.11	0.50	1.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.11	1.16	0.99	0.85	0.48	0.42	0.12	0.17	0.10	0.48	1.17
USGS 07380335 - Little Lake Near Cutoff	1.11	1.09	1.13	0.82	0.74	0.32	0.37	0.31	0.36	0.21	0.44	1.12
USGS073802516 Barataria Pass at Grand Isle	1.06	1.03	0.91	0.37	0.25	0.03	0.08	0.07	0.19	0.05	0.33	0.95
HWQ14 - Lake Washington	0.99	0.99	0.84	0.31	0.22	0.06	0.16	0.16	0.18	0.11	0.34	0.83
HWQ16 - Bayou Grand Liard	0.91	0.99	0.95	0.71	0.66	0.38	0.46	0.54	0.53	0.35	0.30	0.86
CRMS 3985	1.04	1.04	1.03	0.55	0.39	0.18	0.31	0.30	0.21	0.24	0.49	0.99
CRMS 0258	1.35	1.19	1.13	0.46	0.06	0.00	0.02	0.01	0.14	0.01	0.69	1.17
CRMS 0224	1.24	1.15	1.11	0.64	0.14	0.03	0.06	0.00	0.09	0.06	0.57	1.14
CRMS 0163	1.35	1.42	1.25	1.26	1.15	1.21	0.50	0.27	1.34	1.24	1.38	1.26
CRMS 0162	1.29	1.31	1.24	1.21	1.14	1.25	1.41	1.33	1.18	0.96	1.14	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.80	0.68	0.91	1.17	1.07	1.18	1.30	1.31	1.29	1.30	1.18	0.97
CRMS0276 - Just east of Wilkinson Canal	0.17	0.04	-0.01	-0.06	-0.19	-0.03	0.02	-0.08	0.02	0.04	0.08	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.01	0.00	-0.01	0.03	-0.03	0.03	0.08	0.07	0.03	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.59	0.97	1.15	1.07	1.18	1.28	0.05	0.05	0.16	0.72	0.86
USGS7380251 Barataria Bay North of Grand Isle	0.61	0.33	0.53	0.98	0.83	0.18	0.21	0.02	-0.01	0.00	0.27	0.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.55	0.38	0.83	0.88	0.82	0.45	0.37	0.04	0.07	0.04	0.30	0.78
USGS 07380335 - Little Lake Near Cutoff	0.40	0.28	0.73	0.54	0.61	0.26	0.24	0.06	0.09	0.05	0.25	0.55
USGS073802516 Barataria Pass at Grand Isle	0.46	0.29	0.64	0.24	0.21	0.02	0.05	-0.05	0.05	0.02	0.20	0.53
HWQ14 - Lake Washington	0.57	0.33	0.47	0.31	0.21	0.04	0.09	0.07	0.02	0.03	0.17	0.57
HWQ16 - Bayou Grand Liard	0.10	0.10	0.15	-0.05	-0.09	-0.12	-0.10	-0.04	0.02	0.02	0.10	0.12
CRMS 3985	0.50	0.18	0.20	0.49	0.36	0.11	0.13	0.10	-0.13	-0.06	0.11	0.81
CRMS 0258	0.55	0.36	0.55	0.23	0.05	0.00	0.01	0.02	0.10	0.01	0.23	0.34
CRMS 0224	0.56	0.35	0.77	0.44	0.11	0.02	0.05	0.00	0.02	0.05	0.30	0.55
CRMS 0163	0.00	0.00	0.01	0.00	0.00	0.00	-0.09	0.00	0.05	0.05	0.00	-0.01
CRMS 0162	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.15	-0.01	-0.01

Figure WQ NO3 90 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.75	0.86	0.28	0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.25	0.28
CRMS0276 - Just east of Wilkinson Canal	1.18	1.32	1.29	0.89	0.54	0.26	0.18	0.26	0.68	0.49	1.03	1.31
Barataria Waterway at Lafitte (USACE82875)	1.36	1.46	1.35	1.33	0.67	0.37	0.26	0.11	1.08	0.71	1.42	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	0.75	0.88	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.24	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.73	0.87	0.51	0.01	0.01	0.02	0.08	0.14	0.18	0.10	0.24	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.89	0.37	0.09	0.01	0.02	0.05	0.07	0.12	0.05	0.29	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	0.97	0.47	0.22	0.04	0.04	0.14	0.17	0.28	0.15	0.42	0.75
USGS073802516 Barataria Pass at Grand Isle	0.79	0.89	0.35	0.10	0.01	0.01	0.04	0.05	0.14	0.02	0.24	0.57
HWQ14 - Lake Washington	0.65	0.79	0.36	0.01	0.01	0.02	0.07	0.15	0.18	0.06	0.15	0.41
HWQ16 - Bayou Grand Liard	0.98	1.05	0.92	0.67	0.51	0.41	0.46	0.14	0.45	0.28	0.58	0.94
CRMS 3985	0.78	0.95	0.72	0.03	0.04	0.07	0.20	0.41	0.43	0.32	0.33	0.67
CRMS 0258	0.94	1.07	0.58	0.12	0.00	0.00	0.00	0.00	0.03	0.02	0.65	0.92
CRMS 0224	0.84	0.98	0.31	0.14	0.00	0.01	0.01	0.01	0.10	0.01	0.40	0.71
CRMS 0163	1.24	1.31	1.19	1.24	1.34	0.91	0.16	0.26	1.39	1.16	1.34	1.20
CRMS 0162	1.21	1.27	1.19	1.20	1.25	1.16	1.36	0.89	0.97	0.79	1.26	1.19

V3PR4 HYST - cy 2 - 1985 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.20	1.26	1.15	1.17	1.26	1.32	1.33	1.39	1.33	1.27	1.27	1.16
CRMS0276 - Just east of Wilkinson Canal	1.31	1.37	1.29	0.83	0.42	0.21	0.14	0.23	0.69	0.54	1.06	1.34
Barataria Waterway at Lafitte (USACE82875)	1.38	1.48	1.35	1.31	0.65	0.40	0.28	0.18	1.17	0.81	1.44	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.23	1.14	1.17	1.25	0.68	0.09	0.01	0.13	0.30	1.23	1.15
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.25	1.17	1.06	0.73	0.15	0.09	0.10	0.19	0.12	1.01	1.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.23	1.34	1.20	1.10	0.86	0.29	0.10	0.09	0.18	0.13	1.09	1.20
USGS 07380335 - Little Lake Near Cutoff	1.26	1.35	1.24	1.00	0.68	0.23	0.23	0.22	0.35	0.22	0.96	1.24
USGS073802516 Barataria Pass at Grand Isle	1.20	1.28	1.08	0.42	0.19	0.02	0.04	0.06	0.21	0.05	0.80	1.12
HWQ14 - Lake Washington	1.07	1.17	0.97	0.33	0.17	0.04	0.12	0.13	0.20	0.11	0.62	0.97
HWQ16 - Bayou Grand Liard	1.14	1.19	1.12	0.66	0.46	0.35	0.47	0.21	0.49	0.35	0.70	1.12
CRMS 3985	1.09	1.11	1.10	0.65	0.32	0.15	0.26	0.27	0.35	0.25	0.62	1.06
CRMS 0258	1.26	1.36	1.24	0.61	0.15	0.00	0.00	0.00	0.04	0.03	0.89	1.26
CRMS 0224	1.26	1.37	1.25	0.83	0.19	0.04	0.01	0.01	0.11	0.07	0.98	1.25
CRMS 0163	1.25	1.34	1.19	1.24	1.33	0.93	0.16	0.26	1.45	1.23	1.36	1.20
CRMS 0162	1.22	1.29	1.19	1.20	1.25	1.21	1.39	1.00	1.09	1.00	1.26	1.19

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.45	0.39	0.87	1.16	1.26	1.31	1.33	1.38	1.31	1.26	1.02	0.88
CRMS0276 - Just east of Wilkinson Canal	0.13	0.04	0.00	-0.06	-0.12	-0.05	-0.04	-0.03	0.02	0.05	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.00	-0.02	-0.02	0.03	0.02	0.07	0.09	0.10	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.43	0.35	0.94	1.16	1.25	0.68	0.09	0.00	0.12	0.29	0.99	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.45	0.38	0.66	1.05	0.72	0.13	0.02	-0.05	0.02	0.02	0.77	0.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.45	0.83	1.01	0.85	0.26	0.05	0.02	0.06	0.08	0.80	0.67
USGS 07380335 - Little Lake Near Cutoff	0.38	0.38	0.76	0.78	0.64	0.19	0.09	0.05	0.07	0.07	0.54	0.49
USGS073802516 Barataria Pass at Grand Isle	0.41	0.39	0.73	0.32	0.18	0.01	0.01	0.01	0.07	0.03	0.55	0.55
HWQ14 - Lake Washington	0.42	0.38	0.61	0.32	0.17	0.02	0.05	-0.02	0.02	0.05	0.47	0.55
HWQ16 - Bayou Grand Liard	0.16	0.14	0.20	-0.01	-0.05	-0.06	0.01	0.07	0.04	0.07	0.12	0.18
CRMS 3985	0.31	0.16	0.38	0.62	0.29	0.07	0.06	-0.14	-0.08	-0.08	0.29	0.39
CRMS 0258	0.32	0.29	0.65	0.49	0.14	0.00	0.00	0.00	0.00	0.01	0.24	0.34
CRMS 0224	0.42	0.39	0.94	0.69	0.19	0.03	0.00	0.00	0.01	0.06	0.58	0.54
CRMS 0163	0.01	0.02	0.00	0.00	0.00	0.03	0.00	0.00	0.06	0.06	0.01	0.01
CRMS 0162	0.01	0.02	0.00	0.00	0.00	0.05	0.03	0.11	0.12	0.21	0.01	0.00

Figure WQ NO3 91 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.88	0.27	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.28
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.27	0.90	0.61	0.20	0.14	0.26	0.54	0.37	0.49	1.15
Barataria Waterway at Lafitte (USACE82875)	1.39	1.36	1.35	1.34	0.89	0.13	0.27	0.17	0.74	0.48	1.10	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	0.87	0.21	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.47	0.01	0.01	0.02	0.05	0.12	0.14	0.07	0.25	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.91	0.38	0.09	0.01	0.02	0.04	0.07	0.10	0.04	0.14	0.47
USGS 07380335 - Little Lake Near Cutoff	0.82	0.98	0.50	0.21	0.06	0.03	0.10	0.20	0.25	0.12	0.14	0.57
USGS073802516 Barataria Pass at Grand Isle	0.79	0.92	0.37	0.10	0.02	0.01	0.02	0.06	0.12	0.02	0.11	0.46
HWQ14 - Lake Washington	0.81	0.86	0.35	0.01	0.01	0.02	0.05	0.11	0.15	0.05	0.16	0.49
HWQ16 - Bayou Grand Liard	0.82	1.06	0.93	0.68	0.58	0.37	0.42	0.30	0.43	0.21	0.20	0.67
CRMS 3985	1.03	1.00	0.57	0.02	0.03	0.06	0.13	0.41	0.38	0.25	0.45	0.90
CRMS 0258	0.88	1.02	0.59	0.11	0.00	0.00	0.02	0.00	0.03	0.00	0.37	0.76
CRMS 0224	0.80	0.97	0.35	0.13	0.01	0.01	0.01	0.01	0.08	0.01	0.23	0.58
CRMS 0163	1.32	1.22	1.19	1.24	1.25	0.66	0.20	0.26	1.25	1.01	1.37	1.33
CRMS 0162	1.29	1.21	1.19	1.20	1.23	1.10	1.39	0.96	0.72	0.46	1.16	1.30

V3PR4 HYST - cy 2 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.18	1.15	1.17	1.17	1.31	1.30	1.36	1.34	1.31	1.31	1.26
CRMS0276 - Just east of Wilkinson Canal	1.17	1.32	1.28	0.84	0.51	0.17	0.12	0.24	0.58	0.46	0.60	1.17
Barataria Waterway at Lafitte (USACE82875)	1.41	1.37	1.35	1.31	0.91	0.15	0.32	0.26	0.82	0.59	1.15	1.46
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.17	1.15	1.17	1.17	0.41	0.05	0.01	0.13	0.20	0.84	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.12	1.18	1.17	1.06	0.98	0.11	0.09	0.10	0.16	0.10	0.45	0.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.21	1.20	1.10	1.03	0.17	0.08	0.10	0.17	0.09	0.43	1.00
USGS 07380335 - Little Lake Near Cutoff	1.13	1.24	1.23	0.99	0.88	0.17	0.15	0.26	0.34	0.20	0.39	0.93
USGS073802516 Barataria Pass at Grand Isle	1.06	1.17	1.07	0.41	0.26	0.02	0.03	0.09	0.20	0.04	0.29	0.76
HWQ14 - Lake Washington	0.97	1.06	0.96	0.34	0.24	0.05	0.10	0.14	0.18	0.11	0.32	0.72
HWQ16 - Bayou Grand Liard	0.95	1.17	1.10	0.65	0.54	0.36	0.44	0.41	0.47	0.30	0.31	0.78
CRMS 3985	1.02	1.10	1.10	0.64	0.44	0.16	0.25	0.26	0.30	0.24	0.48	0.92
CRMS 0258	1.26	1.25	1.23	0.58	0.23	0.00	0.02	0.00	0.03	0.01	0.59	1.07
CRMS 0224	1.22	1.25	1.24	0.79	0.31	0.01	0.01	0.01	0.10	0.05	0.51	1.01
CRMS 0163	1.33	1.23	1.19	1.23	1.25	0.67	0.23	0.27	1.33	1.16	1.39	1.34
CRMS 0162	1.29	1.21	1.19	1.21	1.23	1.12	1.39	1.11	0.95	0.71	1.17	1.30

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.31	0.88	1.16	1.17	1.31	1.30	1.36	1.32	1.30	1.18	0.98
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	0.00	-0.06	-0.11	-0.03	-0.02	-0.02	0.03	0.09	0.11	0.02
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.00	-0.02	0.02	0.01	0.05	0.09	0.08	0.11	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.43	0.31	0.94	1.15	1.17	0.40	0.04	0.00	0.12	0.20	0.69	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.25	0.70	1.05	0.97	0.10	0.04	-0.02	0.02	0.03	0.20	0.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.30	0.81	1.01	1.02	0.14	0.04	0.04	0.07	0.05	0.29	0.53
USGS 07380335 - Little Lake Near Cutoff	0.32	0.26	0.74	0.78	0.82	0.14	0.05	0.06	0.08	0.07	0.25	0.37
USGS073802516 Barataria Pass at Grand Isle	0.27	0.25	0.70	0.31	0.24	0.01	0.01	0.03	0.09	0.03	0.18	0.31
HWQ14 - Lake Washington	0.16	0.20	0.62	0.33	0.24	0.04	0.05	0.03	0.03	0.06	0.16	0.23
HWQ16 - Bayou Grand Liard	0.13	0.11	0.17	-0.02	-0.04	-0.01	0.02	0.11	0.04	0.09	0.11	0.11
CRMS 3985	-0.01	0.10	0.53	0.63	0.41	0.10	0.12	-0.15	-0.09	-0.01	0.03	0.01
CRMS 0258	0.38	0.23	0.64	0.47	0.23	-0.01	0.00	0.00	0.00	0.00	0.22	0.30
CRMS 0224	0.43	0.28	0.89	0.66	0.30	0.00	0.00	0.00	0.02	0.04	0.28	0.43
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.01	0.03	0.01	0.09	0.15	0.02	0.01
CRMS 0162	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.15	0.23	0.25	0.00	0.01

Figure WQ NO3 92 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.83	0.26	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.27
CRMS0276 - Just east of Wilkinson Canal	0.90	1.25	1.13	0.93	0.71	0.35	0.10	0.15	0.36	0.46	0.87	1.13
Barataria Waterway at Lafitte (USACE82875)	1.37	1.41	1.45	1.34	1.09	0.41	0.06	0.02	0.36	0.96	1.35	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.79	0.19	0.03	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.92	0.64	0.01	0.01	0.02	0.12	0.08	0.12	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	0.85	0.40	0.07	0.01	0.02	0.04	0.04	0.08	0.04	0.26	0.47
USGS 07380335 - Little Lake Near Cutoff	0.74	0.90	0.45	0.20	0.04	0.03	0.08	0.09	0.15	0.11	0.35	0.61
USGS073802516 Barataria Pass at Grand Isle	0.73	0.86	0.37	0.10	0.02	0.01	0.01	0.02	0.07	0.02	0.22	0.47
HWQ14 - Lake Washington	0.79	0.84	0.47	0.01	0.01	0.01	0.07	0.06	0.13	0.04	0.18	0.47
HWQ16 - Bayou Grand Liard	0.73	0.98	0.79	0.67	0.56	0.39	0.21	0.06	0.19	0.13	0.44	0.73
CRMS 3985	1.03	1.00	0.88	0.04	0.04	0.11	0.39	0.36	0.32	0.37	0.39	0.88
CRMS 0258	0.71	0.92	0.36	0.17	0.00	0.00	0.00	0.00	0.04	0.08	0.56	0.80
CRMS 0224	0.71	0.88	0.29	0.15	0.01	0.01	0.01	0.01	0.05	0.03	0.36	0.59
CRMS 0163	1.35	1.32	1.38	1.39	1.38	0.72	0.09	0.20	0.74	1.33	1.38	1.36
CRMS 0162	1.31	1.28	1.31	1.23	1.21	1.00	0.92	0.34	0.15	1.03	1.27	1.33

V3PR4 HYST - cy 2 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.27	1.31	1.24	1.29	1.35	1.42	1.44	1.36	1.25	1.25	1.28
CRMS0276 - Just east of Wilkinson Canal	0.96	1.26	1.09	0.94	0.63	0.34	0.10	0.18	0.42	0.51	0.96	1.15
Barataria Waterway at Lafitte (USACE82875)	1.40	1.42	1.48	1.36	1.15	0.47	0.11	0.05	0.34	1.02	1.39	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.23	1.16	0.66	1.02	0.04	0.06	0.01	0.09	0.17	0.75	1.02
USGS7380251 Barataria Bay North of Grand Isle	0.83	1.11	0.94	0.44	0.42	0.03	0.07	0.08	0.12	0.10	0.47	0.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.15	0.87	0.47	0.56	0.04	0.05	0.07	0.11	0.06	0.45	0.83
USGS 07380335 - Little Lake Near Cutoff	0.84	1.12	0.74	0.49	0.42	0.05	0.10	0.13	0.23	0.15	0.49	0.80
USGS073802516 Barataria Pass at Grand Isle	0.79	1.02	0.52	0.27	0.05	0.01	0.02	0.04	0.12	0.03	0.32	0.66
HWQ14 - Lake Washington	0.73	0.93	0.51	0.15	0.05	0.02	0.07	0.11	0.15	0.09	0.29	0.65
HWQ16 - Bayou Grand Liard	0.75	1.03	0.78	0.69	0.47	0.39	0.24	0.08	0.28	0.28	0.54	0.75
CRMS 3985	0.80	0.99	0.73	0.27	0.15	0.09	0.19	0.28	0.27	0.31	0.49	0.81
CRMS 0258	0.99	1.13	0.45	0.17	0.02	0.00	0.00	0.00	0.02	0.00	0.61	0.91
CRMS 0224	0.93	1.15	0.58	0.28	0.04	0.01	0.01	0.01	0.08	0.03	0.48	0.80
CRMS 0163	1.36	1.33	1.40	1.40	1.40	0.76	0.10	0.23	0.82	1.37	1.38	1.38
CRMS 0162	1.32	1.29	1.34	1.24	1.22	1.00	1.03	0.51	0.18	1.24	1.26	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.44	1.05	1.23	1.28	1.35	1.41	1.43	1.34	1.25	1.05	1.02
CRMS0276 - Just east of Wilkinson Canal	0.06	0.01	-0.04	0.01	-0.08	-0.01	0.00	0.04	0.06	0.05	0.09	0.01
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.03	0.02	0.06	0.06	0.05	0.03	-0.03	0.06	0.04	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.44	0.43	0.97	0.63	1.01	0.04	0.05	0.01	0.08	0.17	0.55	0.76
USGS7380251 Barataria Bay North of Grand Isle	-0.06	0.20	0.30	0.44	0.41	0.00	-0.05	0.01	0.01	0.00	0.20	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.30	0.48	0.40	0.55	0.02	0.02	0.03	0.03	0.02	0.18	0.36
USGS 07380335 - Little Lake Near Cutoff	0.10	0.22	0.29	0.29	0.39	0.02	0.02	0.04	0.07	0.04	0.13	0.20
USGS073802516 Barataria Pass at Grand Isle	0.06	0.16	0.15	0.17	0.03	0.00	0.00	0.01	0.05	0.01	0.10	0.19
HWQ14 - Lake Washington	-0.06	0.09	0.04	0.15	0.05	0.01	0.00	0.06	0.02	0.05	0.11	0.17
HWQ16 - Bayou Grand Liard	0.02	0.04	0.00	0.01	-0.09	0.00	0.02	0.02	0.09	0.15	0.10	0.03
CRMS 3985	-0.23	-0.02	-0.15	0.22	0.11	-0.02	-0.20	-0.08	-0.05	-0.06	0.10	-0.07
CRMS 0258	0.27	0.21	0.09	0.00	0.02	0.00	0.00	0.00	-0.02	-0.07	0.05	0.11
CRMS 0224	0.22	0.27	0.29	0.13	0.02	0.00	0.00	0.00	0.03	-0.01	0.12	0.21
CRMS 0163	0.02	0.01	0.02	0.01	0.01	0.04	0.01	0.03	0.08	0.03	0.00	0.02
CRMS 0162	0.01	0.01	0.02	0.01	0.01	0.00	0.11	0.17	0.03	0.21	-0.01	0.01

Figure WQ NO3 93 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.89	0.27	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	1.03	1.31	1.18	0.92	0.66	0.42	0.22	0.32	0.73	0.50	0.57	0.96
Barataria Waterway at Lafitte (USACE82875)	1.36	1.33	1.41	1.34	0.85	0.60	0.95	0.60	0.98	0.81	1.00	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.89	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.20	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.47	0.01	0.01	0.03	0.07	0.09	0.16	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.94	0.35	0.09	0.01	0.03	0.06	0.09	0.12	0.06	0.23	0.43
USGS 07380335 - Little Lake Near Cutoff	0.80	1.01	0.44	0.22	0.05	0.07	0.17	0.26	0.29	0.16	0.27	0.50
USGS073802516 Barataria Pass at Grand Isle	0.78	0.94	0.33	0.10	0.01	0.02	0.05	0.11	0.16	0.02	0.16	0.41
HWQ14 - Lake Washington	0.81	0.86	0.33	0.01	0.01	0.02	0.08	0.11	0.17	0.08	0.19	0.49
HWQ16 - Bayou Grand Liard	0.85	1.09	0.87	0.68	0.54	0.54	0.62	0.65	0.53	0.36	0.29	0.53
CRMS 3985	1.02	0.98	0.62	0.03	0.04	0.08	0.18	0.29	0.40	0.33	0.46	0.92
CRMS 0258	0.85	1.05	0.56	0.11	0.00	0.00	0.01	0.00	0.05	0.01	0.52	0.67
CRMS 0224	0.77	1.00	0.31	0.14	0.00	0.01	0.01	0.01	0.07	0.01	0.31	0.53
CRMS 0163	1.27	1.19	1.27	1.27	1.31	1.10	0.99	0.42	1.35	1.27	1.36	1.38
CRMS 0162	1.24	1.19	1.26	1.21	1.24	1.33	1.41	1.35	1.21	1.18	1.11	1.30

V3PR4 HYST - cy 2 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.31	1.31	1.30	1.26	1.36	1.30
CRMS0276 - Just east of Wilkinson Canal	1.15	1.34	1.13	0.86	0.52	0.37	0.31	0.28	0.80	0.55	0.76	1.02
Barataria Waterway at Lafitte (USACE82875)	1.37	1.34	1.41	1.30	0.86	0.60	0.91	0.63	1.14	0.87	1.04	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.15	1.21	1.20	1.22	1.26	1.29	0.70	0.09	0.17	0.89	1.07
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.18	1.22	1.03	0.87	0.51	0.58	0.22	0.14	0.12	0.51	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.20	1.25	1.06	0.91	0.84	0.87	0.43	0.18	0.10	0.53	0.86
USGS 07380335 - Little Lake Near Cutoff	1.15	1.24	1.25	0.93	0.76	0.69	0.78	0.54	0.40	0.23	0.53	0.79
USGS073802516 Barataria Pass at Grand Isle	1.08	1.20	1.01	0.40	0.21	0.09	0.22	0.21	0.21	0.06	0.39	0.68
HWQ14 - Lake Washington	1.00	1.11	0.91	0.32	0.20	0.13	0.25	0.24	0.19	0.12	0.37	0.70
HWQ16 - Bayou Grand Liard	0.95	1.21	1.01	0.64	0.52	0.49	0.55	0.59	0.59	0.40	0.44	0.62
CRMS 3985	1.07	1.12	1.07	0.58	0.42	0.31	0.42	0.38	0.22	0.24	0.50	0.92
CRMS 0258	1.23	1.26	1.26	0.50	0.10	0.02	0.11	0.00	0.16	0.03	0.75	0.97
CRMS 0224	1.21	1.25	1.27	0.69	0.18	0.17	0.32	0.01	0.09	0.08	0.62	0.86
CRMS 0163	1.28	1.20	1.28	1.28	1.30	1.06	0.91	0.40	1.43	1.32	1.38	1.39
CRMS 0162	1.26	1.19	1.26	1.21	1.25	1.33	1.41	1.41	1.31	1.31	1.13	1.33

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.27	0.96	1.20	1.23	1.27	1.31	1.30	1.28	1.25	1.19	1.05
CRMS0276 - Just east of Wilkinson Canal	0.12	0.02	-0.05	-0.06	-0.14	-0.05	0.09	-0.04	0.07	0.05	0.19	0.05
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.04	0.01	0.01	-0.05	0.03	0.17	0.07	0.03	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.44	0.26	1.01	1.19	1.22	1.26	1.28	0.70	0.07	0.16	0.69	0.75
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.25	0.75	1.02	0.86	0.48	0.52	0.13	-0.02	0.00	0.24	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.27	0.90	0.97	0.90	0.81	0.81	0.34	0.06	0.05	0.30	0.43
USGS 07380335 - Little Lake Near Cutoff	0.35	0.24	0.81	0.71	0.71	0.61	0.61	0.28	0.11	0.07	0.26	0.29
USGS073802516 Barataria Pass at Grand Isle	0.30	0.26	0.68	0.30	0.20	0.08	0.17	0.10	0.05	0.04	0.23	0.27
HWQ14 - Lake Washington	0.19	0.25	0.59	0.31	0.20	0.11	0.18	0.13	0.01	0.04	0.18	0.21
HWQ16 - Bayou Grand Liard	0.10	0.12	0.14	-0.04	-0.02	-0.05	-0.07	-0.06	0.06	0.04	0.15	0.10
CRMS 3985	0.06	0.14	0.45	0.56	0.38	0.23	0.24	0.08	-0.18	-0.09	0.04	0.00
CRMS 0258	0.38	0.21	0.70	0.39	0.10	0.02	0.11	0.00	0.10	0.03	0.23	0.30
CRMS 0224	0.44	0.25	0.96	0.55	0.18	0.16	0.32	0.01	0.02	0.07	0.32	0.33
CRMS 0163	0.01	0.01	0.00	0.00	-0.01	-0.04	-0.08	-0.03	0.08	0.05	0.02	0.01
CRMS 0162	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.06	0.10	0.12	0.02	0.02

Figure WQ NO3 94 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.65	0.29	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.23
CRMS0276 - Just east of Wilkinson Canal	1.02	1.19	1.23	1.05	1.07	0.28	0.13	0.27	0.65	0.47	0.46	1.24
Barataria Waterway at Lafitte (USACE82875)	1.41	1.48	1.38	1.38	1.30	0.44	0.44	0.25	0.75	0.64	1.04	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.67	0.21	0.03	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.75	0.59	0.01	0.01	0.02	0.06	0.06	0.16	0.11	0.24	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.73	0.33	0.11	0.02	0.03	0.05	0.08	0.11	0.06	0.18	0.39
USGS 07380335 - Little Lake Near Cutoff	0.71	0.81	0.40	0.28	0.13	0.06	0.12	0.25	0.28	0.16	0.19	0.57
USGS073802516 Barataria Pass at Grand Isle	0.60	0.74	0.27	0.13	0.04	0.01	0.03	0.11	0.14	0.03	0.13	0.42
HWQ14 - Lake Washington	0.42	0.66	0.37	0.01	0.01	0.02	0.07	0.08	0.15	0.09	0.17	0.26
HWQ16 - Bayou Grand Liard	0.82	0.89	0.79	0.76	0.75	0.49	0.56	0.58	0.51	0.33	0.20	0.74
CRMS 3985	0.54	0.86	0.83	0.06	0.03	0.07	0.18	0.21	0.34	0.30	0.39	0.19
CRMS 0258	0.80	0.82	0.58	0.23	0.01	0.00	0.00	0.00	0.04	0.01	0.46	0.83
CRMS 0224	0.68	0.80	0.34	0.20	0.03	0.01	0.01	0.01	0.07	0.01	0.26	0.60
CRMS 0163	1.35	1.42	1.25	1.26	1.15	1.22	0.59	0.27	1.28	1.19	1.38	1.27
CRMS 0162	1.30	1.31	1.24	1.21	1.14	1.25	1.41	1.30	1.10	0.81	1.15	1.25

V3PR4 HYST - cy 2 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.33	1.20	1.19	1.07	1.18	1.31	1.31	1.30	1.30	1.34	1.20
CRMS0276 - Just east of Wilkinson Canal	1.21	1.24	1.24	1.01	0.86	0.28	0.22	0.20	0.68	0.52	0.57	1.24
Barataria Waterway at Lafitte (USACE82875)	1.43	1.49	1.39	1.38	1.29	0.49	0.41	0.30	0.86	0.74	1.09	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	1.18	1.19	1.07	1.18	1.28	0.07	0.11	0.19	0.90	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.09	1.15	1.08	1.00	0.54	0.38	0.08	0.15	0.12	0.50	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.15	1.18	1.14	1.04	0.85	0.77	0.14	0.17	0.10	0.50	1.19
USGS 07380335 - Little Lake Near Cutoff	1.15	1.13	1.18	1.07	0.98	0.69	0.67	0.34	0.37	0.23	0.46	1.17
USGS073802516 Barataria Pass at Grand Isle	1.10	1.07	0.98	0.53	0.39	0.08	0.14	0.07	0.20	0.06	0.35	1.00
HWQ14 - Lake Washington	1.03	1.02	0.90	0.42	0.30	0.09	0.20	0.17	0.18	0.12	0.36	0.88
HWQ16 - Bayou Grand Liard	0.94	1.01	1.00	0.80	0.74	0.41	0.49	0.57	0.55	0.37	0.32	0.92
CRMS 3985	1.06	1.05	1.07	0.72	0.58	0.28	0.35	0.33	0.22	0.24	0.50	1.03
CRMS 0258	1.39	1.23	1.18	0.73	0.28	0.06	0.08	0.01	0.14	0.01	0.71	1.20
CRMS 0224	1.28	1.20	1.18	0.88	0.49	0.26	0.23	0.00	0.09	0.07	0.58	1.18
CRMS 0163	1.36	1.42	1.26	1.27	1.15	1.22	0.51	0.28	1.37	1.27	1.39	1.26
CRMS 0162	1.29	1.32	1.24	1.22	1.14	1.25	1.41	1.35	1.23	1.03	1.16	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.80	0.68	0.91	1.17	1.07	1.18	1.30	1.30	1.29	1.30	1.19	0.97
CRMS0276 - Just east of Wilkinson Canal	0.20	0.05	0.00	-0.03	-0.22	0.00	0.09	-0.07	0.03	0.05	0.11	0.00
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.01	0.00	0.00	0.05	-0.03	0.05	0.10	0.10	0.05	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.61	0.59	0.97	1.16	1.07	1.18	1.28	0.06	0.09	0.18	0.72	0.87
USGS7380251 Barataria Bay North of Grand Isle	0.64	0.34	0.55	1.07	0.99	0.52	0.32	0.02	-0.01	0.01	0.27	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.42	0.86	1.02	1.02	0.82	0.72	0.05	0.07	0.04	0.32	0.80
USGS 07380335 - Little Lake Near Cutoff	0.45	0.32	0.78	0.79	0.85	0.63	0.55	0.09	0.09	0.06	0.27	0.61
USGS073802516 Barataria Pass at Grand Isle	0.51	0.33	0.71	0.39	0.35	0.06	0.11	-0.05	0.06	0.03	0.22	0.58
HWQ14 - Lake Washington	0.61	0.36	0.53	0.41	0.29	0.07	0.13	0.09	0.03	0.04	0.19	0.61
HWQ16 - Bayou Grand Liard	0.12	0.12	0.21	0.03	0.00	-0.08	-0.07	-0.01	0.04	0.04	0.12	0.18
CRMS 3985	0.52	0.19	0.24	0.66	0.55	0.21	0.17	0.12	-0.12	-0.06	0.11	0.84
CRMS 0258	0.59	0.41	0.60	0.50	0.27	0.07	0.08	0.01	0.10	0.01	0.25	0.37
CRMS 0224	0.60	0.39	0.84	0.68	0.45	0.26	0.22	0.00	0.02	0.06	0.32	0.58
CRMS 0163	0.01	0.00	0.01	0.00	0.00	0.00	-0.07	0.01	0.08	0.08	0.01	0.00
CRMS 0162	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.05	0.13	0.22	0.01	-0.01

Figure WQ NO3 95 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.75	0.86	0.28	0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.25	0.28
CRMS0276 - Just east of Wilkinson Canal	1.18	1.32	1.29	0.89	0.54	0.26	0.18	0.26	0.68	0.49	1.03	1.31
Barataria Waterway at Lafitte (USACE82875)	1.36	1.46	1.35	1.33	0.67	0.37	0.26	0.11	1.08	0.71	1.42	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	0.75	0.88	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.24	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.73	0.87	0.51	0.01	0.01	0.02	0.08	0.14	0.18	0.10	0.24	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.89	0.37	0.09	0.01	0.02	0.05	0.07	0.12	0.05	0.29	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	0.97	0.47	0.22	0.04	0.04	0.14	0.17	0.28	0.15	0.42	0.75
USGS073802516 Barataria Pass at Grand Isle	0.79	0.89	0.35	0.10	0.01	0.01	0.04	0.05	0.14	0.02	0.24	0.57
HWQ14 - Lake Washington	0.65	0.79	0.36	0.01	0.01	0.02	0.07	0.15	0.18	0.06	0.15	0.41
HWQ16 - Bayou Grand Liard	0.98	1.05	0.92	0.67	0.51	0.41	0.46	0.14	0.45	0.28	0.58	0.94
CRMS 3985	0.78	0.95	0.72	0.03	0.04	0.07	0.20	0.41	0.43	0.32	0.33	0.67
CRMS 0258	0.94	1.07	0.58	0.12	0.00	0.00	0.00	0.00	0.03	0.02	0.65	0.92
CRMS 0224	0.84	0.98	0.31	0.14	0.00	0.01	0.01	0.01	0.10	0.01	0.40	0.71
CRMS 0163	1.24	1.31	1.19	1.24	1.34	0.91	0.16	0.26	1.39	1.16	1.34	1.20
CRMS 0162	1.21	1.27	1.19	1.20	1.25	1.16	1.36	0.89	0.97	0.79	1.26	1.19

V3PR5 HYST - cy 2 - 1985 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.20	1.26	1.15	1.17	1.26	1.31	1.33	1.38	1.31	1.26	1.27	1.16
CRMS0276 - Just east of Wilkinson Canal	1.32	1.37	1.29	0.83	0.43	0.23	0.14	0.24	0.70	0.53	1.06	1.34
Barataria Waterway at Lafitte (USACE82875)	1.38	1.48	1.35	1.31	0.67	0.40	0.29	0.18	1.18	0.81	1.44	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.24	1.15	1.17	1.24	0.67	0.07	0.00	0.13	0.31	1.23	1.15
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.25	1.17	1.07	0.76	0.16	0.09	0.09	0.18	0.12	1.02	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.23	1.34	1.20	1.10	0.86	0.28	0.10	0.10	0.18	0.13	1.08	1.20
USGS 07380335 - Little Lake Near Cutoff	1.26	1.35	1.24	0.99	0.67	0.22	0.22	0.22	0.35	0.22	0.96	1.24
USGS073802516 Barataria Pass at Grand Isle	1.20	1.29	1.08	0.43	0.19	0.02	0.04	0.07	0.21	0.05	0.80	1.12
HWQ14 - Lake Washington	1.07	1.17	0.98	0.34	0.18	0.04	0.12	0.13	0.19	0.11	0.62	0.97
HWQ16 - Bayou Grand Liard	1.15	1.20	1.12	0.65	0.46	0.35	0.47	0.23	0.49	0.35	0.70	1.12
CRMS 3985	1.10	1.12	1.11	0.67	0.34	0.15	0.26	0.27	0.33	0.24	0.63	1.07
CRMS 0258	1.26	1.35	1.24	0.59	0.14	0.00	0.00	0.00	0.03	0.03	0.88	1.26
CRMS 0224	1.26	1.37	1.25	0.81	0.18	0.03	0.01	0.01	0.11	0.07	0.97	1.25
CRMS 0163	1.25	1.34	1.19	1.24	1.34	0.94	0.16	0.27	1.44	1.23	1.36	1.20
CRMS 0162	1.22	1.29	1.19	1.20	1.25	1.21	1.39	1.01	1.09	1.01	1.26	1.19

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.45	0.39	0.87	1.16	1.26	1.31	1.33	1.38	1.29	1.25	1.02	0.88
CRMS0276 - Just east of Wilkinson Canal	0.14	0.05	0.00	-0.06	-0.11	-0.03	-0.04	-0.02	0.02	0.05	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.00	-0.01	0.00	0.03	0.03	0.07	0.10	0.10	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.43	0.36	0.94	1.16	1.24	0.66	0.06	0.00	0.11	0.31	0.99	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.45	0.38	0.66	1.06	0.75	0.14	0.01	-0.05	0.01	0.03	0.78	0.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.44	0.45	0.83	1.01	0.84	0.25	0.05	0.03	0.06	0.08	0.80	0.67
USGS 07380335 - Little Lake Near Cutoff	0.38	0.38	0.76	0.78	0.63	0.18	0.09	0.06	0.07	0.07	0.53	0.49
USGS073802516 Barataria Pass at Grand Isle	0.41	0.39	0.73	0.33	0.18	0.01	0.00	0.02	0.07	0.03	0.55	0.55
HWQ14 - Lake Washington	0.42	0.38	0.62	0.33	0.17	0.02	0.05	-0.02	0.02	0.05	0.47	0.56
HWQ16 - Bayou Grand Liard	0.16	0.15	0.20	-0.02	-0.05	-0.06	0.01	0.08	0.04	0.06	0.12	0.18
CRMS 3985	0.32	0.17	0.38	0.64	0.30	0.08	0.06	-0.15	-0.10	-0.08	0.30	0.40
CRMS 0258	0.32	0.28	0.66	0.47	0.14	0.00	0.00	0.00	0.00	0.01	0.23	0.34
CRMS 0224	0.42	0.39	0.94	0.67	0.18	0.03	0.00	0.00	0.01	0.06	0.56	0.54
CRMS 0163	0.01	0.02	0.00	0.00	0.00	0.04	0.00	0.00	0.06	0.07	0.01	0.00
CRMS 0162	0.01	0.02	0.00	0.00	0.00	0.05	0.03	0.12	0.11	0.22	0.00	0.00

Figure WQ NO3 96 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.88	0.27	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.28
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.27	0.90	0.61	0.20	0.14	0.26	0.54	0.37	0.49	1.15
Barataria Waterway at Lafitte (USACE82875)	1.39	1.36	1.35	1.34	0.89	0.13	0.27	0.17	0.74	0.48	1.10	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	0.87	0.21	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.47	0.01	0.01	0.02	0.05	0.12	0.14	0.07	0.25	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.91	0.38	0.09	0.01	0.02	0.04	0.07	0.10	0.04	0.14	0.47
USGS 07380335 - Little Lake Near Cutoff	0.82	0.98	0.50	0.21	0.06	0.03	0.10	0.20	0.25	0.12	0.14	0.57
USGS073802516 Barataria Pass at Grand Isle	0.79	0.92	0.37	0.10	0.02	0.01	0.02	0.06	0.12	0.02	0.11	0.46
HWQ14 - Lake Washington	0.81	0.86	0.35	0.01	0.01	0.02	0.05	0.11	0.15	0.05	0.16	0.49
HWQ16 - Bayou Grand Liard	0.82	1.06	0.93	0.68	0.58	0.37	0.42	0.30	0.43	0.21	0.20	0.67
CRMS 3985	1.03	1.00	0.57	0.02	0.03	0.06	0.13	0.41	0.38	0.25	0.45	0.90
CRMS 0258	0.88	1.02	0.59	0.11	0.00	0.00	0.02	0.00	0.03	0.00	0.37	0.76
CRMS 0224	0.80	0.97	0.35	0.13	0.01	0.01	0.01	0.01	0.08	0.01	0.23	0.58
CRMS 0163	1.32	1.22	1.19	1.24	1.25	0.66	0.20	0.26	1.25	1.01	1.37	1.33
CRMS 0162	1.29	1.21	1.19	1.20	1.23	1.10	1.39	0.96	0.72	0.46	1.16	1.30

V3PR5 HYST - cy 2 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.18	1.15	1.17	1.17	1.30	1.30	1.36	1.33	1.29	1.32	1.26
CRMS0276 - Just east of Wilkinson Canal	1.19	1.34	1.30	0.85	0.51	0.17	0.13	0.27	0.58	0.49	0.63	1.19
Barataria Waterway at Lafitte (USACE82875)	1.43	1.39	1.36	1.32	0.94	0.16	0.34	0.30	0.85	0.60	1.17	1.48
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.17	1.15	1.17	1.17	0.39	0.03	0.00	0.12	0.18	0.87	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.19	1.18	1.08	1.00	0.12	0.10	0.11	0.18	0.12	0.45	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.19	1.22	1.20	1.11	1.02	0.17	0.09	0.12	0.19	0.10	0.47	0.99
USGS 07380335 - Little Lake Near Cutoff	1.16	1.25	1.24	1.00	0.87	0.18	0.16	0.29	0.36	0.22	0.44	0.94
USGS073802516 Barataria Pass at Grand Isle	1.10	1.20	1.10	0.44	0.27	0.03	0.04	0.11	0.24	0.06	0.35	0.77
HWQ14 - Lake Washington	1.02	1.10	1.01	0.37	0.27	0.07	0.14	0.18	0.22	0.14	0.35	0.70
HWQ16 - Bayou Grand Liard	0.95	1.19	1.13	0.67	0.55	0.37	0.45	0.45	0.50	0.31	0.34	0.79
CRMS 3985	1.06	1.14	1.13	0.70	0.49	0.19	0.29	0.31	0.32	0.28	0.39	0.88
CRMS 0258	1.28	1.26	1.24	0.58	0.22	0.01	0.03	0.00	0.05	0.01	0.64	1.08
CRMS 0224	1.24	1.26	1.24	0.78	0.28	0.01	0.01	0.01	0.10	0.07	0.54	1.01
CRMS 0163	1.34	1.24	1.19	1.24	1.25	0.68	0.23	0.27	1.34	1.17	1.41	1.34
CRMS 0162	1.30	1.22	1.19	1.21	1.23	1.12	1.39	1.11	0.98	0.72	1.18	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.31	0.88	1.16	1.17	1.30	1.29	1.35	1.31	1.29	1.18	0.98
CRMS0276 - Just east of Wilkinson Canal	0.15	0.03	0.02	-0.04	-0.10	-0.03	-0.01	0.01	0.04	0.12	0.14	0.04
Barataria Waterway at Lafitte (USACE82875)	0.04	0.03	0.02	-0.01	0.04	0.02	0.07	0.13	0.11	0.13	0.07	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.44	0.31	0.94	1.16	1.17	0.38	0.02	0.00	0.10	0.17	0.71	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.26	0.71	1.07	0.99	0.10	0.05	0.00	0.04	0.05	0.20	0.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.38	0.31	0.82	1.02	1.01	0.14	0.05	0.05	0.09	0.06	0.33	0.52
USGS 07380335 - Little Lake Near Cutoff	0.34	0.27	0.75	0.79	0.81	0.14	0.06	0.09	0.11	0.10	0.29	0.37
USGS073802516 Barataria Pass at Grand Isle	0.31	0.28	0.73	0.35	0.25	0.01	0.02	0.05	0.12	0.04	0.24	0.31
HWQ14 - Lake Washington	0.21	0.24	0.66	0.37	0.27	0.05	0.08	0.07	0.07	0.09	0.19	0.21
HWQ16 - Bayou Grand Liard	0.13	0.13	0.20	-0.01	-0.03	-0.01	0.03	0.14	0.07	0.10	0.14	0.12
CRMS 3985	0.03	0.13	0.56	0.68	0.46	0.13	0.16	-0.10	-0.06	0.03	-0.05	-0.02
CRMS 0258	0.40	0.24	0.65	0.47	0.22	0.00	0.01	0.00	0.02	0.01	0.27	0.32
CRMS 0224	0.45	0.29	0.89	0.65	0.27	0.00	0.00	0.00	0.03	0.06	0.32	0.44
CRMS 0163	0.02	0.01	0.00	0.00	0.00	0.02	0.04	0.01	0.09	0.15	0.03	0.01
CRMS 0162	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.26	0.26	0.02	0.01

Figure WQ NO3 97 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.83	0.26	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.27
CRMS0276 - Just east of Wilkinson Canal	0.90	1.25	1.13	0.93	0.71	0.35	0.10	0.15	0.36	0.46	0.87	1.13
Barataria Waterway at Lafitte (USACE82875)	1.37	1.41	1.45	1.34	1.09	0.41	0.06	0.02	0.36	0.96	1.35	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.79	0.19	0.03	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.92	0.64	0.01	0.01	0.02	0.12	0.08	0.12	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	0.85	0.40	0.07	0.01	0.02	0.04	0.04	0.08	0.04	0.26	0.47
USGS 07380335 - Little Lake Near Cutoff	0.74	0.90	0.45	0.20	0.04	0.03	0.08	0.09	0.15	0.11	0.35	0.61
USGS073802516 Barataria Pass at Grand Isle	0.73	0.86	0.37	0.10	0.02	0.01	0.01	0.02	0.07	0.02	0.22	0.47
HWQ14 - Lake Washington	0.79	0.84	0.47	0.01	0.01	0.01	0.07	0.06	0.13	0.04	0.18	0.47
HWQ16 - Bayou Grand Liard	0.73	0.98	0.79	0.67	0.56	0.39	0.21	0.06	0.19	0.13	0.44	0.73
CRMS 3985	1.03	1.00	0.88	0.04	0.04	0.11	0.39	0.36	0.32	0.37	0.39	0.88
CRMS 0258	0.71	0.92	0.36	0.17	0.00	0.00	0.00	0.00	0.04	0.08	0.56	0.80
CRMS 0224	0.71	0.88	0.29	0.15	0.01	0.01	0.01	0.01	0.05	0.03	0.36	0.59
CRMS 0163	1.35	1.32	1.38	1.39	1.38	0.72	0.09	0.20	0.74	1.33	1.38	1.36
CRMS 0162	1.31	1.28	1.31	1.23	1.21	1.00	0.92	0.34	0.15	1.03	1.27	1.33

V3PR5 HYST - cy 2 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.27	1.31	1.24	1.28	1.34	1.42	1.43	1.36	1.25	1.25	1.28
CRMS0276 - Just east of Wilkinson Canal	0.96	1.26	1.09	0.93	0.60	0.34	0.10	0.18	0.41	0.52	0.94	1.11
Barataria Waterway at Lafitte (USACE82875)	1.40	1.42	1.48	1.35	1.15	0.48	0.11	0.04	0.35	1.04	1.38	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	1.14	1.23	1.17	0.65	0.98	0.02	0.04	0.00	0.09	0.18	0.77	1.02
USGS7380251 Barataria Bay North of Grand Isle	0.83	1.12	0.95	0.44	0.45	0.03	0.07	0.09	0.12	0.11	0.47	0.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.15	0.88	0.47	0.56	0.04	0.06	0.07	0.12	0.06	0.45	0.83
USGS 07380335 - Little Lake Near Cutoff	0.83	1.12	0.74	0.49	0.42	0.05	0.10	0.13	0.23	0.16	0.49	0.80
USGS073802516 Barataria Pass at Grand Isle	0.79	1.02	0.52	0.28	0.05	0.01	0.02	0.04	0.13	0.03	0.33	0.66
HWQ14 - Lake Washington	0.73	0.93	0.52	0.16	0.05	0.02	0.07	0.11	0.16	0.09	0.30	0.64
HWQ16 - Bayou Grand Liard	0.74	1.03	0.79	0.68	0.46	0.39	0.24	0.08	0.29	0.28	0.53	0.77
CRMS 3985	0.80	0.99	0.74	0.27	0.17	0.09	0.19	0.30	0.28	0.31	0.49	0.81
CRMS 0258	0.97	1.13	0.46	0.17	0.01	0.00	0.00	0.00	0.02	0.00	0.61	0.79
CRMS 0224	0.92	1.15	0.57	0.28	0.03	0.01	0.01	0.01	0.08	0.03	0.49	0.77
CRMS 0163	1.36	1.33	1.40	1.40	1.39	0.76	0.10	0.23	0.83	1.37	1.38	1.38
CRMS 0162	1.32	1.29	1.33	1.24	1.24	1.03	1.03	0.53	0.18	1.23	1.26	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.59	0.44	1.05	1.23	1.27	1.33	1.41	1.42	1.35	1.24	1.04	1.01
CRMS0276 - Just east of Wilkinson Canal	0.06	0.01	-0.04	0.00	-0.11	-0.02	0.00	0.03	0.05	0.07	0.07	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.03	0.01	0.06	0.06	0.05	0.02	-0.02	0.07	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.45	0.44	0.98	0.62	0.98	0.01	0.03	0.00	0.08	0.17	0.58	0.75
USGS7380251 Barataria Bay North of Grand Isle	-0.07	0.20	0.31	0.43	0.44	0.00	-0.05	0.01	0.00	0.00	0.20	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.30	0.48	0.40	0.55	0.02	0.02	0.03	0.04	0.03	0.19	0.36
USGS 07380335 - Little Lake Near Cutoff	0.09	0.21	0.30	0.29	0.39	0.02	0.03	0.04	0.08	0.05	0.14	0.19
USGS073802516 Barataria Pass at Grand Isle	0.05	0.16	0.16	0.18	0.03	0.00	0.00	0.02	0.06	0.01	0.11	0.20
HWQ14 - Lake Washington	-0.06	0.09	0.05	0.16	0.05	0.01	0.01	0.06	0.03	0.05	0.12	0.17
HWQ16 - Bayou Grand Liard	0.01	0.04	0.00	0.01	-0.09	0.01	0.03	0.02	0.10	0.15	0.09	0.04
CRMS 3985	-0.23	-0.01	-0.14	0.22	0.13	-0.02	-0.20	-0.06	-0.04	-0.06	0.10	-0.07
CRMS 0258	0.25	0.22	0.09	0.00	0.01	0.00	0.00	0.00	-0.02	-0.07	0.05	-0.01
CRMS 0224	0.21	0.27	0.28	0.13	0.02	0.00	0.00	0.00	0.03	0.00	0.13	0.18
CRMS 0163	0.02	0.01	0.02	0.01	0.01	0.04	0.01	0.03	0.09	0.03	0.00	0.02
CRMS 0162	0.01	0.01	0.02	0.00	0.02	0.03	0.11	0.19	0.02	0.20	-0.01	0.02

Figure WQ NO3 98 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.89	0.27	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	1.03	1.31	1.18	0.92	0.66	0.42	0.22	0.32	0.73	0.50	0.57	0.96
Barataria Waterway at Lafitte (USACE82875)	1.36	1.33	1.41	1.34	0.85	0.60	0.95	0.60	0.98	0.81	1.00	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.89	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.20	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.47	0.01	0.01	0.03	0.07	0.09	0.16	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.94	0.35	0.09	0.01	0.03	0.06	0.09	0.12	0.06	0.23	0.43
USGS 07380335 - Little Lake Near Cutoff	0.80	1.01	0.44	0.22	0.05	0.07	0.17	0.26	0.29	0.16	0.27	0.50
USGS073802516 Barataria Pass at Grand Isle	0.78	0.94	0.33	0.10	0.01	0.02	0.05	0.11	0.16	0.02	0.16	0.41
HWQ14 - Lake Washington	0.81	0.86	0.33	0.01	0.01	0.02	0.08	0.11	0.17	0.08	0.19	0.49
HWQ16 - Bayou Grand Liard	0.85	1.09	0.87	0.68	0.54	0.54	0.62	0.65	0.53	0.36	0.29	0.53
CRMS 3985	1.02	0.98	0.62	0.03	0.04	0.08	0.18	0.29	0.40	0.33	0.46	0.92
CRMS 0258	0.85	1.05	0.56	0.11	0.00	0.00	0.01	0.00	0.05	0.01	0.52	0.67
CRMS 0224	0.77	1.00	0.31	0.14	0.00	0.01	0.01	0.01	0.07	0.01	0.31	0.53
CRMS 0163	1.27	1.19	1.27	1.27	1.31	1.10	0.99	0.42	1.35	1.27	1.36	1.38
CRMS 0162	1.24	1.19	1.26	1.21	1.24	1.33	1.41	1.35	1.21	1.18	1.11	1.30

V3PR5 HYST - cy 2 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.31	1.31	1.29	1.25	1.35	1.30
CRMS0276 - Just east of Wilkinson Canal	1.15	1.34	1.12	0.86	0.51	0.37	0.31	0.28	0.80	0.56	0.78	1.03
Barataria Waterway at Lafitte (USACE82875)	1.37	1.34	1.41	1.30	0.86	0.61	0.91	0.63	1.14	0.87	1.04	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.15	1.21	1.19	1.22	1.26	1.28	0.71	0.08	0.18	0.91	1.07
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.18	1.22	1.03	0.89	0.55	0.62	0.24	0.14	0.12	0.51	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.20	1.24	1.06	0.91	0.83	0.86	0.41	0.18	0.11	0.54	0.87
USGS 07380335 - Little Lake Near Cutoff	1.15	1.24	1.25	0.93	0.76	0.68	0.77	0.52	0.40	0.24	0.54	0.80
USGS073802516 Barataria Pass at Grand Isle	1.08	1.20	1.01	0.40	0.21	0.10	0.22	0.21	0.21	0.07	0.40	0.69
HWQ14 - Lake Washington	1.00	1.11	0.92	0.33	0.20	0.14	0.26	0.25	0.19	0.12	0.37	0.70
HWQ16 - Bayou Grand Liard	0.94	1.21	1.01	0.63	0.51	0.49	0.55	0.59	0.60	0.40	0.45	0.64
CRMS 3985	1.08	1.13	1.09	0.61	0.45	0.33	0.43	0.38	0.22	0.24	0.51	0.92
CRMS 0258	1.22	1.26	1.26	0.49	0.10	0.02	0.10	0.00	0.16	0.04	0.76	0.97
CRMS 0224	1.21	1.25	1.26	0.67	0.16	0.15	0.31	0.01	0.09	0.09	0.63	0.87
CRMS 0163	1.28	1.20	1.28	1.28	1.30	1.06	0.90	0.40	1.43	1.32	1.39	1.39
CRMS 0162	1.25	1.19	1.26	1.21	1.25	1.33	1.41	1.41	1.33	1.30	1.13	1.33

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.27	0.96	1.20	1.23	1.27	1.31	1.30	1.27	1.24	1.19	1.05
CRMS0276 - Just east of Wilkinson Canal	0.13	0.02	-0.06	-0.06	-0.14	-0.05	0.09	-0.04	0.08	0.06	0.20	0.07
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.04	0.01	0.01	-0.04	0.03	0.16	0.07	0.04	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.44	0.26	1.01	1.18	1.22	1.26	1.28	0.70	0.06	0.17	0.70	0.76
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.25	0.75	1.02	0.88	0.53	0.55	0.15	-0.02	0.00	0.24	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.27	0.90	0.97	0.90	0.80	0.80	0.32	0.06	0.05	0.31	0.43
USGS 07380335 - Little Lake Near Cutoff	0.35	0.23	0.81	0.71	0.71	0.61	0.60	0.26	0.11	0.08	0.26	0.30
USGS073802516 Barataria Pass at Grand Isle	0.30	0.26	0.68	0.30	0.20	0.08	0.17	0.10	0.05	0.04	0.24	0.28
HWQ14 - Lake Washington	0.20	0.25	0.60	0.32	0.20	0.11	0.18	0.14	0.01	0.04	0.19	0.21
HWQ16 - Bayou Grand Liard	0.09	0.12	0.13	-0.05	-0.03	-0.04	-0.07	-0.06	0.07	0.05	0.16	0.12
CRMS 3985	0.06	0.15	0.47	0.58	0.41	0.24	0.24	0.09	-0.18	-0.09	0.05	0.00
CRMS 0258	0.38	0.21	0.69	0.38	0.10	0.02	0.10	0.00	0.11	0.03	0.24	0.30
CRMS 0224	0.44	0.25	0.95	0.53	0.16	0.15	0.30	0.01	0.02	0.07	0.32	0.34
CRMS 0163	0.01	0.01	0.00	0.00	-0.01	-0.04	-0.09	-0.02	0.08	0.05	0.02	0.01
CRMS 0162	0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.06	0.12	0.12	0.02	0.03

Figure WQ NO3 99 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.65	0.29	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.23
CRMS0276 - Just east of Wilkinson Canal	1.02	1.19	1.23	1.05	1.07	0.28	0.13	0.27	0.65	0.47	0.46	1.24
Barataria Waterway at Lafitte (USACE82875)	1.41	1.48	1.38	1.38	1.30	0.44	0.44	0.25	0.75	0.64	1.04	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.67	0.21	0.03	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.75	0.59	0.01	0.01	0.02	0.06	0.06	0.16	0.11	0.24	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.73	0.33	0.11	0.02	0.03	0.05	0.08	0.11	0.06	0.18	0.39
USGS 07380335 - Little Lake Near Cutoff	0.71	0.81	0.40	0.28	0.13	0.06	0.12	0.25	0.28	0.16	0.19	0.57
USGS073802516 Barataria Pass at Grand Isle	0.60	0.74	0.27	0.13	0.04	0.01	0.03	0.11	0.14	0.03	0.13	0.42
HWQ14 - Lake Washington	0.42	0.66	0.37	0.01	0.01	0.02	0.07	0.08	0.15	0.09	0.17	0.26
HWQ16 - Bayou Grand Liard	0.82	0.89	0.79	0.76	0.75	0.49	0.56	0.58	0.51	0.33	0.20	0.74
CRMS 3985	0.54	0.86	0.83	0.06	0.03	0.07	0.18	0.21	0.34	0.30	0.39	0.19
CRMS 0258	0.80	0.82	0.58	0.23	0.01	0.00	0.00	0.00	0.04	0.01	0.46	0.83
CRMS 0224	0.68	0.80	0.34	0.20	0.03	0.01	0.01	0.01	0.07	0.01	0.26	0.60
CRMS 0163	1.35	1.42	1.25	1.26	1.15	1.22	0.59	0.27	1.28	1.19	1.38	1.27
CRMS 0162	1.30	1.31	1.24	1.21	1.14	1.25	1.41	1.30	1.10	0.81	1.15	1.25

V3PR5 HYST - cy 2 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.33	1.20	1.19	1.07	1.18	1.31	1.30	1.30	1.29	1.34	1.20
CRMS0276 - Just east of Wilkinson Canal	1.25	1.25	1.23	1.01	0.84	0.27	0.23	0.20	0.69	0.52	0.58	1.25
Barataria Waterway at Lafitte (USACE82875)	1.44	1.49	1.39	1.38	1.29	0.49	0.42	0.30	0.85	0.73	1.08	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.28	1.18	1.19	1.08	1.18	1.28	0.07	0.10	0.19	0.92	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.14	1.09	1.15	1.09	1.01	0.60	0.42	0.08	0.15	0.12	0.51	1.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.19	1.16	1.18	1.14	1.04	0.84	0.77	0.14	0.18	0.10	0.50	1.19
USGS 07380335 - Little Lake Near Cutoff	1.18	1.14	1.18	1.06	0.97	0.67	0.66	0.34	0.37	0.23	0.46	1.17
USGS073802516 Barataria Pass at Grand Isle	1.12	1.08	0.98	0.53	0.38	0.08	0.14	0.07	0.20	0.06	0.35	1.00
HWQ14 - Lake Washington	1.04	1.02	0.90	0.43	0.30	0.10	0.20	0.18	0.19	0.13	0.36	0.88
HWQ16 - Bayou Grand Liard	1.01	1.03	1.00	0.79	0.74	0.42	0.50	0.57	0.54	0.37	0.32	0.93
CRMS 3985	1.07	1.05	1.08	0.74	0.61	0.30	0.36	0.33	0.22	0.24	0.50	1.03
CRMS 0258	1.39	1.24	1.18	0.72	0.27	0.06	0.07	0.01	0.15	0.02	0.71	1.20
CRMS 0224	1.29	1.21	1.17	0.87	0.46	0.23	0.21	0.01	0.09	0.07	0.58	1.18
CRMS 0163	1.36	1.42	1.26	1.26	1.15	1.22	0.52	0.28	1.36	1.26	1.39	1.26
CRMS 0162	1.30	1.32	1.24	1.21	1.14	1.26	1.41	1.35	1.24	1.02	1.16	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.68	0.91	1.17	1.07	1.18	1.30	1.30	1.28	1.29	1.18	0.97
CRMS0276 - Just east of Wilkinson Canal	0.23	0.06	0.00	-0.03	-0.23	-0.01	0.09	-0.07	0.04	0.05	0.12	0.01
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.01	0.00	0.00	0.05	-0.02	0.06	0.10	0.10	0.05	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.61	0.97	1.16	1.07	1.18	1.28	0.06	0.08	0.19	0.74	0.87
USGS7380251 Barataria Bay North of Grand Isle	0.64	0.35	0.55	1.08	1.00	0.58	0.35	0.02	-0.01	0.01	0.27	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.61	0.43	0.86	1.02	1.02	0.81	0.72	0.05	0.07	0.04	0.33	0.80
USGS 07380335 - Little Lake Near Cutoff	0.47	0.34	0.78	0.79	0.84	0.61	0.54	0.09	0.09	0.06	0.27	0.61
USGS073802516 Barataria Pass at Grand Isle	0.52	0.35	0.71	0.40	0.34	0.06	0.11	-0.05	0.06	0.03	0.23	0.58
HWQ14 - Lake Washington	0.61	0.37	0.53	0.42	0.30	0.08	0.13	0.09	0.04	0.04	0.19	0.62
HWQ16 - Bayou Grand Liard	0.20	0.13	0.21	0.03	-0.01	-0.08	-0.06	-0.02	0.03	0.05	0.12	0.20
CRMS 3985	0.52	0.19	0.24	0.68	0.58	0.23	0.18	0.12	-0.12	-0.05	0.12	0.84
CRMS 0258	0.59	0.42	0.60	0.48	0.26	0.06	0.07	0.02	0.11	0.01	0.25	0.37
CRMS 0224	0.61	0.41	0.83	0.67	0.43	0.22	0.20	0.00	0.02	0.06	0.32	0.58
CRMS 0163	0.02	0.00	0.01	0.00	0.00	0.00	-0.07	0.01	0.08	0.07	0.01	0.00
CRMS 0162	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.05	0.14	0.21	0.00	0.00

Figure WQ NO3 100 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.75	0.86	0.28	0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.25	0.28
CRMS0276 - Just east of Wilkinson Canal	1.18	1.32	1.29	0.89	0.54	0.26	0.18	0.26	0.68	0.49	1.03	1.31
Barataria Waterway at Lafitte (USACE82875)	1.36	1.46	1.35	1.33	0.67	0.37	0.26	0.11	1.08	0.71	1.42	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	0.75	0.88	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.24	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.73	0.87	0.51	0.01	0.01	0.02	0.08	0.14	0.18	0.10	0.24	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.89	0.37	0.09	0.01	0.02	0.05	0.07	0.12	0.05	0.29	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	0.97	0.47	0.22	0.04	0.04	0.14	0.17	0.28	0.15	0.42	0.75
USGS073802516 Barataria Pass at Grand Isle	0.79	0.89	0.35	0.10	0.01	0.01	0.04	0.05	0.14	0.02	0.24	0.57
HWQ14 - Lake Washington	0.65	0.79	0.36	0.01	0.01	0.02	0.07	0.15	0.18	0.06	0.15	0.41
HWQ16 - Bayou Grand Liard	0.98	1.05	0.92	0.67	0.51	0.41	0.46	0.14	0.45	0.28	0.58	0.94
CRMS 3985	0.78	0.95	0.72	0.03	0.04	0.07	0.20	0.41	0.43	0.32	0.33	0.67
CRMS 0258	0.94	1.07	0.58	0.12	0.00	0.00	0.00	0.00	0.03	0.02	0.65	0.92
CRMS 0224	0.84	0.98	0.31	0.14	0.00	0.01	0.01	0.01	0.10	0.01	0.40	0.71
CRMS 0163	1.24	1.31	1.19	1.24	1.34	0.91	0.16	0.26	1.39	1.16	1.34	1.20
CRMS 0162	1.21	1.27	1.19	1.20	1.25	1.16	1.36	0.89	0.97	0.79	1.26	1.19

V3PR6 HYST - cy 2 - 1985 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.20	1.26	1.15	1.18	1.27	1.32	1.27	1.31	1.26	1.25	1.28	1.16
CRMS0276 - Just east of Wilkinson Canal	1.34	1.41	1.33	0.86	0.49	0.23	0.16	0.24	0.71	0.54	1.07	1.34
Barataria Waterway at Lafitte (USACE82875)	1.39	1.48	1.36	1.25	0.59	0.37	0.27	0.17	1.17	0.82	1.44	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.24	1.15	1.17	1.25	0.65	0.02	0.00	0.13	0.35	1.26	1.16
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.29	1.18	1.18	1.14	0.33	0.11	0.10	0.17	0.13	1.09	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.34	1.18	1.19	1.20	0.55	0.12	0.09	0.19	0.17	1.22	1.18
USGS 07380335 - Little Lake Near Cutoff	1.25	1.38	1.21	1.20	1.11	0.47	0.27	0.21	0.37	0.25	1.15	1.21
USGS073802516 Barataria Pass at Grand Isle	1.24	1.37	1.20	0.71	0.37	0.06	0.06	0.08	0.24	0.06	0.96	1.17
HWQ14 - Lake Washington	1.17	1.26	1.14	0.60	0.34	0.08	0.16	0.15	0.20	0.13	0.68	1.07
HWQ16 - Bayou Grand Liard	1.22	1.27	1.21	0.89	0.63	0.39	0.51	0.23	0.51	0.36	0.79	1.19
CRMS 3985	1.20	1.24	1.20	1.02	0.67	0.26	0.32	0.30	0.32	0.18	0.68	1.16
CRMS 0258	1.23	1.38	1.22	1.22	0.49	0.04	0.01	0.00	0.03	0.04	1.08	1.21
CRMS 0224	1.22	1.38	1.19	1.22	0.70	0.14	0.01	0.01	0.11	0.08	1.17	1.18
CRMS 0163	1.26	1.34	1.19	1.24	1.32	0.91	0.16	0.26	1.45	1.24	1.37	1.21
CRMS 0162	1.22	1.29	1.20	1.20	1.25	1.23	1.42	1.05	1.10	1.06	1.26	1.20

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.45	0.40	0.88	1.16	1.26	1.32	1.27	1.31	1.24	1.24	1.03	0.88
CRMS0276 - Just east of Wilkinson Canal	0.16	0.08	0.04	-0.03	-0.05	-0.03	-0.01	-0.02	0.03	0.05	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.03	0.01	-0.08	-0.08	0.00	0.01	0.06	0.09	0.11	0.02	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.44	0.36	0.95	1.16	1.25	0.64	0.02	0.00	0.11	0.34	1.01	0.84
USGS7380251 Barataria Bay North of Grand Isle	0.47	0.42	0.67	1.17	1.13	0.31	0.03	-0.04	0.00	0.04	0.85	0.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.44	0.81	1.10	1.18	0.53	0.07	0.02	0.07	0.12	0.93	0.64
USGS 07380335 - Little Lake Near Cutoff	0.37	0.41	0.74	0.98	1.07	0.42	0.13	0.05	0.09	0.10	0.73	0.46
USGS073802516 Barataria Pass at Grand Isle	0.46	0.48	0.85	0.61	0.36	0.05	0.03	0.03	0.10	0.05	0.71	0.61
HWQ14 - Lake Washington	0.52	0.47	0.79	0.60	0.34	0.06	0.09	0.00	0.02	0.06	0.54	0.66
HWQ16 - Bayou Grand Liard	0.24	0.22	0.29	0.22	0.12	-0.03	0.05	0.09	0.06	0.08	0.21	0.25
CRMS 3985	0.42	0.29	0.48	0.99	0.63	0.18	0.12	-0.12	-0.11	-0.14	0.35	0.49
CRMS 0258	0.29	0.31	0.63	1.10	0.49	0.03	0.00	0.00	0.00	0.01	0.42	0.28
CRMS 0224	0.38	0.40	0.88	1.09	0.69	0.13	0.00	0.00	0.01	0.07	0.76	0.48
CRMS 0163	0.02	0.03	0.01	0.01	-0.01	0.01	0.00	0.00	0.06	0.08	0.02	0.01
CRMS 0162	0.01	0.02	0.00	0.00	-0.01	0.07	0.06	0.16	0.12	0.27	0.01	0.01

Figure WQ NO3 101 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.88	0.27	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.28
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.27	0.90	0.61	0.20	0.14	0.26	0.54	0.37	0.49	1.15
Barataria Waterway at Lafitte (USACE82875)	1.39	1.36	1.35	1.34	0.89	0.13	0.27	0.17	0.74	0.48	1.10	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	0.87	0.21	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.47	0.01	0.01	0.02	0.05	0.12	0.14	0.07	0.25	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.91	0.38	0.09	0.01	0.02	0.04	0.07	0.10	0.04	0.14	0.47
USGS 07380335 - Little Lake Near Cutoff	0.82	0.98	0.50	0.21	0.06	0.03	0.10	0.20	0.25	0.12	0.14	0.57
USGS073802516 Barataria Pass at Grand Isle	0.79	0.92	0.37	0.10	0.02	0.01	0.02	0.06	0.12	0.02	0.11	0.46
HWQ14 - Lake Washington	0.81	0.86	0.35	0.01	0.01	0.02	0.05	0.11	0.15	0.05	0.16	0.49
HWQ16 - Bayou Grand Liard	0.82	1.06	0.93	0.68	0.58	0.37	0.42	0.30	0.43	0.21	0.20	0.67
CRMS 3985	1.03	1.00	0.57	0.02	0.03	0.06	0.13	0.41	0.38	0.25	0.45	0.90
CRMS 0258	0.88	1.02	0.59	0.11	0.00	0.00	0.02	0.00	0.03	0.00	0.37	0.76
CRMS 0224	0.80	0.97	0.35	0.13	0.01	0.01	0.01	0.01	0.08	0.01	0.23	0.58
CRMS 0163	1.32	1.22	1.19	1.24	1.25	0.66	0.20	0.26	1.25	1.01	1.37	1.33
CRMS 0162	1.29	1.21	1.19	1.20	1.23	1.10	1.39	0.96	0.72	0.46	1.16	1.30

V3PR6 HYST - cy 2 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.30	1.24	1.29	1.26	1.27	1.29	1.27
CRMS0276 - Just east of Wilkinson Canal	1.21	1.33	1.32	0.86	0.62	0.14	0.12	0.25	0.59	0.46	0.59	1.18
Barataria Waterway at Lafitte (USACE82875)	1.42	1.39	1.35	1.25	0.84	0.14	0.31	0.25	0.83	0.56	1.14	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.18	1.15	1.17	1.17	0.41	0.01	0.00	0.13	0.24	0.87	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.14	1.20	1.18	1.18	1.19	0.22	0.10	0.10	0.15	0.11	0.44	0.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.20	1.18	1.19	1.20	0.32	0.08	0.10	0.18	0.10	0.46	1.04
USGS 07380335 - Little Lake Near Cutoff	1.20	1.23	1.21	1.20	1.19	0.31	0.13	0.25	0.35	0.20	0.42	1.00
USGS073802516 Barataria Pass at Grand Isle	1.11	1.21	1.20	0.70	0.56	0.09	0.03	0.10	0.23	0.05	0.32	0.81
HWQ14 - Lake Washington	0.99	1.13	1.14	0.60	0.49	0.10	0.12	0.16	0.19	0.13	0.34	0.72
HWQ16 - Bayou Grand Liard	0.99	1.23	1.20	0.89	0.77	0.42	0.44	0.42	0.49	0.31	0.31	0.81
CRMS 3985	1.04	1.18	1.20	1.03	0.95	0.24	0.27	0.28	0.28	0.25	0.49	0.86
CRMS 0258	1.28	1.24	1.21	1.24	0.98	0.00	0.00	0.00	0.03	0.01	0.55	1.08
CRMS 0224	1.26	1.22	1.19	1.22	1.15	0.03	0.01	0.01	0.10	0.05	0.51	1.04
CRMS 0163	1.33	1.24	1.19	1.24	1.25	0.68	0.23	0.28	1.35	1.15	1.39	1.35
CRMS 0162	1.30	1.22	1.19	1.21	1.23	1.14	1.41	1.17	0.99	0.79	1.17	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.31	0.88	1.16	1.17	1.30	1.23	1.28	1.24	1.26	1.15	0.99
CRMS0276 - Just east of Wilkinson Canal	0.17	0.02	0.04	-0.04	0.01	-0.06	-0.02	-0.01	0.05	0.09	0.10	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.01	-0.08	-0.05	0.00	0.04	0.09	0.09	0.08	0.04	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.43	0.32	0.94	1.16	1.17	0.40	0.00	0.00	0.11	0.24	0.72	0.85
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.26	0.71	1.18	1.18	0.20	0.05	-0.02	0.01	0.04	0.19	0.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.29	0.79	1.10	1.18	0.30	0.04	0.04	0.08	0.06	0.32	0.57
USGS 07380335 - Little Lake Near Cutoff	0.38	0.25	0.71	0.99	1.14	0.27	0.03	0.06	0.10	0.08	0.27	0.43
USGS073802516 Barataria Pass at Grand Isle	0.32	0.29	0.82	0.61	0.54	0.08	0.01	0.04	0.11	0.04	0.21	0.35
HWQ14 - Lake Washington	0.18	0.27	0.79	0.59	0.49	0.09	0.07	0.05	0.04	0.08	0.18	0.24
HWQ16 - Bayou Grand Liard	0.17	0.17	0.27	0.22	0.19	0.05	0.02	0.12	0.06	0.10	0.11	0.14
CRMS 3985	0.01	0.18	0.62	1.01	0.93	0.19	0.14	-0.14	-0.11	0.00	0.04	-0.05
CRMS 0258	0.39	0.22	0.62	1.13	0.98	-0.01	-0.01	0.00	0.00	0.00	0.18	0.32
CRMS 0224	0.46	0.25	0.84	1.09	1.14	0.02	0.00	0.00	0.02	0.04	0.29	0.47
CRMS 0163	0.02	0.02	0.01	0.00	0.00	0.02	0.03	0.02	0.10	0.14	0.02	0.02
CRMS 0162	0.01	0.01	0.00	0.00	0.00	0.03	0.02	0.21	0.27	0.33	0.01	0.02

Figure WQ NO3 102 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.83	0.26	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.27
CRMS0276 - Just east of Wilkinson Canal	0.90	1.25	1.13	0.93	0.71	0.35	0.10	0.15	0.36	0.46	0.87	1.13
Barataria Waterway at Lafitte (USACE82875)	1.37	1.41	1.45	1.34	1.09	0.41	0.06	0.02	0.36	0.96	1.35	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.79	0.19	0.03	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.92	0.64	0.01	0.01	0.02	0.12	0.08	0.12	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	0.85	0.40	0.07	0.01	0.02	0.04	0.04	0.08	0.04	0.26	0.47
USGS 07380335 - Little Lake Near Cutoff	0.74	0.90	0.45	0.20	0.04	0.03	0.08	0.09	0.15	0.11	0.35	0.61
USGS073802516 Barataria Pass at Grand Isle	0.73	0.86	0.37	0.10	0.02	0.01	0.01	0.02	0.07	0.02	0.22	0.47
HWQ14 - Lake Washington	0.79	0.84	0.47	0.01	0.01	0.01	0.07	0.06	0.13	0.04	0.18	0.47
HWQ16 - Bayou Grand Liard	0.73	0.98	0.79	0.67	0.56	0.39	0.21	0.06	0.19	0.13	0.44	0.73
CRMS 3985	1.03	1.00	0.88	0.04	0.04	0.11	0.39	0.36	0.32	0.37	0.39	0.88
CRMS 0258	0.71	0.92	0.36	0.17	0.00	0.00	0.00	0.00	0.04	0.08	0.56	0.80
CRMS 0224	0.71	0.88	0.29	0.15	0.01	0.01	0.01	0.01	0.05	0.03	0.36	0.59
CRMS 0163	1.35	1.32	1.38	1.39	1.38	0.72	0.09	0.20	0.74	1.33	1.38	1.36
CRMS 0162	1.31	1.28	1.31	1.23	1.21	1.00	0.92	0.34	0.15	1.03	1.27	1.33

V3PR6 HYST - cy 2 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.30	1.27	1.31	1.26	1.29	1.32	1.33	1.35	1.26	1.23	1.23	1.28
CRMS0276 - Just east of Wilkinson Canal	0.96	1.27	1.06	0.97	0.59	0.33	0.09	0.18	0.43	0.52	0.94	1.10
Barataria Waterway at Lafitte (USACE82875)	1.40	1.43	1.48	1.36	1.13	0.46	0.10	0.04	0.27	1.04	1.39	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.23	1.20	0.77	1.04	0.01	0.01	0.00	0.08	0.20	0.76	1.02
USGS7380251 Barataria Bay North of Grand Isle	0.80	1.15	1.00	0.52	0.65	0.03	0.07	0.07	0.12	0.10	0.43	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.22	1.01	0.61	0.89	0.04	0.05	0.06	0.12	0.06	0.44	0.82
USGS 07380335 - Little Lake Near Cutoff	0.83	1.19	0.92	0.63	0.81	0.04	0.08	0.11	0.23	0.15	0.49	0.80
USGS073802516 Barataria Pass at Grand Isle	0.78	1.07	0.64	0.39	0.18	0.01	0.02	0.04	0.14	0.03	0.33	0.66
HWQ14 - Lake Washington	0.72	0.97	0.60	0.26	0.12	0.02	0.08	0.11	0.16	0.10	0.29	0.62
HWQ16 - Bayou Grand Liard	0.75	1.06	0.82	0.77	0.55	0.39	0.24	0.07	0.30	0.30	0.54	0.75
CRMS 3985	0.79	1.04	0.82	0.36	0.30	0.10	0.20	0.24	0.29	0.31	0.48	0.79
CRMS 0258	0.96	1.20	0.68	0.32	0.13	0.00	0.00	0.00	0.02	0.00	0.56	0.83
CRMS 0224	0.92	1.22	0.79	0.47	0.18	0.01	0.01	0.01	0.07	0.02	0.45	0.81
CRMS 0163	1.37	1.33	1.40	1.40	1.40	0.76	0.11	0.21	0.85	1.38	1.38	1.38
CRMS 0162	1.32	1.29	1.33	1.24	1.21	1.04	1.08	0.56	0.18	1.26	1.26	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.57	0.44	1.05	1.24	1.28	1.31	1.33	1.34	1.25	1.23	1.02	1.01
CRMS0276 - Just east of Wilkinson Canal	0.06	0.02	-0.07	0.03	-0.12	-0.02	-0.01	0.04	0.07	0.07	0.07	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.03	0.02	0.03	0.02	0.05	0.05	0.04	0.02	-0.09	0.08	0.04	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.45	0.44	1.01	0.74	1.04	0.00	0.00	0.00	0.07	0.20	0.56	0.76
USGS7380251 Barataria Bay North of Grand Isle	-0.09	0.23	0.37	0.51	0.64	0.00	-0.05	0.00	0.00	0.00	0.16	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.36	0.61	0.54	0.88	0.02	0.01	0.02	0.04	0.03	0.18	0.35
USGS 07380335 - Little Lake Near Cutoff	0.09	0.29	0.47	0.43	0.77	0.01	0.00	0.02	0.08	0.04	0.13	0.19
USGS073802516 Barataria Pass at Grand Isle	0.05	0.22	0.27	0.29	0.16	0.00	0.00	0.02	0.07	0.01	0.11	0.19
HWQ14 - Lake Washington	-0.07	0.13	0.12	0.26	0.12	0.01	0.01	0.05	0.03	0.06	0.12	0.15
HWQ16 - Bayou Grand Liard	0.02	0.08	0.03	0.10	-0.01	0.01	0.03	0.01	0.11	0.17	0.10	0.02
CRMS 3985	-0.24	0.04	-0.06	0.32	0.26	-0.01	-0.19	-0.12	-0.03	-0.06	0.09	-0.09
CRMS 0258	0.25	0.28	0.32	0.15	0.13	0.00	0.00	0.00	-0.02	-0.07	-0.01	0.03
CRMS 0224	0.21	0.34	0.50	0.32	0.17	0.00	0.00	0.00	0.02	-0.01	0.09	0.22
CRMS 0163	0.02	0.02	0.02	0.01	0.01	0.04	0.02	0.01	0.11	0.04	0.00	0.02
CRMS 0162	0.01	0.01	0.02	0.00	0.00	0.04	0.15	0.22	0.03	0.23	-0.01	0.02

Figure WQ NO3 103 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.89	0.27	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	1.03	1.31	1.18	0.92	0.66	0.42	0.22	0.32	0.73	0.50	0.57	0.96
Barataria Waterway at Lafitte (USACE82875)	1.36	1.33	1.41	1.34	0.85	0.60	0.95	0.60	0.98	0.81	1.00	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.89	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.20	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.47	0.01	0.01	0.03	0.07	0.09	0.16	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.94	0.35	0.09	0.01	0.03	0.06	0.09	0.12	0.06	0.23	0.43
USGS 07380335 - Little Lake Near Cutoff	0.80	1.01	0.44	0.22	0.05	0.07	0.17	0.26	0.29	0.16	0.27	0.50
USGS073802516 Barataria Pass at Grand Isle	0.78	0.94	0.33	0.10	0.01	0.02	0.05	0.11	0.16	0.02	0.16	0.41
HWQ14 - Lake Washington	0.81	0.86	0.33	0.01	0.01	0.02	0.08	0.11	0.17	0.08	0.19	0.49
HWQ16 - Bayou Grand Liard	0.85	1.09	0.87	0.68	0.54	0.54	0.62	0.65	0.53	0.36	0.29	0.53
CRMS 3985	1.02	0.98	0.62	0.03	0.04	0.08	0.18	0.29	0.40	0.33	0.46	0.92
CRMS 0258	0.85	1.05	0.56	0.11	0.00	0.00	0.01	0.00	0.05	0.01	0.52	0.67
CRMS 0224	0.77	1.00	0.31	0.14	0.00	0.01	0.01	0.01	0.07	0.01	0.31	0.53
CRMS 0163	1.27	1.19	1.27	1.27	1.31	1.10	0.99	0.42	1.35	1.27	1.36	1.38
CRMS 0162	1.24	1.19	1.26	1.21	1.24	1.33	1.41	1.35	1.21	1.18	1.11	1.30

V3PR6 HYST - cy 2 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.32	1.28	1.23	1.23	1.33	1.30
CRMS0276 - Just east of Wilkinson Canal	1.21	1.33	1.25	0.83	0.59	0.47	0.68	0.45	0.81	0.56	0.80	1.04
Barataria Waterway at Lafitte (USACE82875)	1.38	1.35	1.41	1.21	0.81	0.53	0.77	0.57	1.12	0.88	1.05	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.15	1.22	1.21	1.23	1.27	1.31	0.71	0.08	0.22	0.91	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.18	1.24	1.17	1.11	1.06	1.04	0.39	0.13	0.11	0.48	0.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.17	1.25	1.19	1.18	1.20	1.22	0.71	0.17	0.11	0.54	0.89
USGS 07380335 - Little Lake Near Cutoff	1.21	1.21	1.29	1.18	1.09	1.12	1.17	0.83	0.39	0.22	0.55	0.83
USGS073802516 Barataria Pass at Grand Isle	1.14	1.22	1.20	0.68	0.50	0.36	0.48	0.35	0.21	0.07	0.41	0.71
HWQ14 - Lake Washington	1.05	1.17	1.11	0.57	0.44	0.39	0.48	0.35	0.20	0.13	0.38	0.71
HWQ16 - Bayou Grand Liard	1.04	1.25	1.17	0.85	0.69	0.66	0.68	0.68	0.60	0.41	0.46	0.65
CRMS 3985	1.14	1.20	1.23	0.97	0.78	0.69	0.66	0.50	0.25	0.25	0.50	0.93
CRMS 0258	1.23	1.21	1.31	1.15	0.63	0.34	0.45	0.01	0.12	0.02	0.74	1.02
CRMS 0224	1.22	1.18	1.29	1.18	0.84	0.79	0.96	0.13	0.07	0.08	0.62	0.92
CRMS 0163	1.29	1.20	1.28	1.28	1.29	0.97	0.73	0.35	1.43	1.33	1.39	1.39
CRMS 0162	1.26	1.19	1.26	1.21	1.25	1.33	1.42	1.42	1.34	1.35	1.15	1.34

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.27	0.96	1.20	1.23	1.27	1.31	1.27	1.21	1.22	1.17	1.04
CRMS0276 - Just east of Wilkinson Canal	0.19	0.02	0.07	-0.09	-0.07	0.05	0.46	0.13	0.08	0.06	0.23	0.08
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.00	-0.13	-0.04	-0.07	-0.18	-0.04	0.15	0.07	0.05	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.44	0.26	1.02	1.20	1.23	1.27	1.30	0.71	0.06	0.21	0.71	0.78
USGS7380251 Barataria Bay North of Grand Isle	0.28	0.25	0.77	1.16	1.10	1.03	0.97	0.30	-0.03	0.00	0.21	0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.41	0.24	0.90	1.10	1.17	1.17	1.16	0.62	0.06	0.05	0.32	0.46
USGS 07380335 - Little Lake Near Cutoff	0.41	0.20	0.85	0.96	1.04	1.05	1.00	0.57	0.10	0.06	0.28	0.33
USGS073802516 Barataria Pass at Grand Isle	0.36	0.28	0.87	0.58	0.49	0.34	0.43	0.24	0.05	0.04	0.26	0.31
HWQ14 - Lake Washington	0.25	0.31	0.78	0.57	0.43	0.36	0.40	0.24	0.03	0.05	0.19	0.22
HWQ16 - Bayou Grand Liard	0.19	0.16	0.30	0.18	0.15	0.12	0.06	0.03	0.07	0.06	0.18	0.12
CRMS 3985	0.12	0.22	0.60	0.94	0.74	0.60	0.48	0.20	-0.15	-0.08	0.04	0.00
CRMS 0258	0.38	0.16	0.74	1.04	0.62	0.34	0.45	0.01	0.06	0.01	0.22	0.35
CRMS 0224	0.45	0.18	0.98	1.04	0.84	0.78	0.95	0.12	0.00	0.07	0.32	0.39
CRMS 0163	0.02	0.01	0.01	0.00	-0.02	-0.13	-0.26	-0.07	0.08	0.06	0.03	0.01
CRMS 0162	0.02	0.01	0.00	0.00	0.01	0.00	0.01	0.07	0.13	0.16	0.03	0.03

Figure WQ NO3 104 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.65	0.29	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.23
CRMS0276 - Just east of Wilkinson Canal	1.02	1.19	1.23	1.05	1.07	0.28	0.13	0.27	0.65	0.47	0.46	1.24
Barataria Waterway at Lafitte (USACE82875)	1.41	1.48	1.38	1.38	1.30	0.44	0.44	0.25	0.75	0.64	1.04	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.67	0.21	0.03	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.75	0.59	0.01	0.01	0.02	0.06	0.06	0.16	0.11	0.24	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.73	0.33	0.11	0.02	0.03	0.05	0.08	0.11	0.06	0.18	0.39
USGS 07380335 - Little Lake Near Cutoff	0.71	0.81	0.40	0.28	0.13	0.06	0.12	0.25	0.28	0.16	0.19	0.57
USGS073802516 Barataria Pass at Grand Isle	0.60	0.74	0.27	0.13	0.04	0.01	0.03	0.11	0.14	0.03	0.13	0.42
HWQ14 - Lake Washington	0.42	0.66	0.37	0.01	0.01	0.02	0.07	0.08	0.15	0.09	0.17	0.26
HWQ16 - Bayou Grand Liard	0.82	0.89	0.79	0.76	0.75	0.49	0.56	0.58	0.51	0.33	0.20	0.74
CRMS 3985	0.54	0.86	0.83	0.06	0.03	0.07	0.18	0.21	0.34	0.30	0.39	0.19
CRMS 0258	0.80	0.82	0.58	0.23	0.01	0.00	0.00	0.00	0.04	0.01	0.46	0.83
CRMS 0224	0.68	0.80	0.34	0.20	0.03	0.01	0.01	0.01	0.07	0.01	0.26	0.60
CRMS 0163	1.35	1.42	1.25	1.26	1.15	1.22	0.59	0.27	1.28	1.19	1.38	1.27
CRMS 0162	1.30	1.31	1.24	1.21	1.14	1.25	1.41	1.30	1.10	0.81	1.15	1.25

V3PR6 HYST - cy 2 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.30	1.33	1.20	1.19	1.07	1.18	1.31	1.24	1.24	1.26	1.31	1.21
CRMS0276 - Just east of Wilkinson Canal	1.28	1.26	1.27	1.10	0.86	0.38	0.53	0.22	0.71	0.53	0.58	1.26
Barataria Waterway at Lafitte (USACE82875)	1.44	1.49	1.40	1.38	1.30	0.42	0.32	0.30	0.87	0.74	1.09	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.31	1.19	1.19	1.07	1.18	1.30	0.09	0.10	0.23	0.93	1.20
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.13	1.18	1.20	1.12	1.12	0.94	0.08	0.13	0.11	0.49	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.23	1.19	1.21	1.12	1.17	1.18	0.19	0.18	0.11	0.53	1.21
USGS 07380335 - Little Lake Near Cutoff	1.24	1.21	1.21	1.22	1.15	1.12	1.10	0.38	0.38	0.23	0.49	1.22
USGS073802516 Barataria Pass at Grand Isle	1.20	1.15	1.09	0.82	0.80	0.31	0.34	0.10	0.21	0.07	0.38	1.09
HWQ14 - Lake Washington	1.12	1.08	1.03	0.72	0.70	0.37	0.37	0.21	0.20	0.14	0.37	0.97
HWQ16 - Bayou Grand Liard	1.02	1.05	1.09	1.00	0.94	0.56	0.60	0.61	0.56	0.38	0.33	1.01
CRMS 3985	1.11	1.08	1.14	1.07	1.00	0.69	0.59	0.38	0.22	0.25	0.50	1.10
CRMS 0258	1.43	1.33	1.20	1.23	1.03	0.63	0.33	0.00	0.08	0.01	0.69	1.20
CRMS 0224	1.35	1.29	1.20	1.23	1.11	1.05	0.76	0.01	0.08	0.08	0.59	1.19
CRMS 0163	1.36	1.42	1.26	1.27	1.15	1.17	0.35	0.28	1.37	1.26	1.39	1.27
CRMS 0162	1.30	1.33	1.24	1.22	1.14	1.25	1.42	1.38	1.27	1.10	1.16	1.25

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.69	0.91	1.17	1.07	1.18	1.31	1.23	1.22	1.26	1.16	0.98
CRMS0276 - Just east of Wilkinson Canal	0.26	0.07	0.03	0.06	-0.21	0.10	0.40	-0.05	0.06	0.06	0.12	0.02
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.02	0.00	0.00	-0.03	-0.12	0.05	0.12	0.10	0.05	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.63	0.64	0.98	1.16	1.07	1.18	1.30	0.09	0.08	0.22	0.75	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.70	0.39	0.58	1.18	1.11	1.10	0.88	0.02	-0.02	0.01	0.26	0.95
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.67	0.50	0.87	1.09	1.10	1.15	1.13	0.10	0.07	0.05	0.36	0.82
USGS 07380335 - Little Lake Near Cutoff	0.54	0.40	0.81	0.94	1.02	1.06	0.98	0.14	0.10	0.07	0.30	0.65
USGS073802516 Barataria Pass at Grand Isle	0.60	0.41	0.82	0.69	0.75	0.29	0.31	-0.01	0.06	0.04	0.25	0.67
HWQ14 - Lake Washington	0.69	0.42	0.66	0.72	0.69	0.35	0.30	0.13	0.05	0.05	0.21	0.71
HWQ16 - Bayou Grand Liard	0.21	0.15	0.29	0.24	0.19	0.06	0.05	0.02	0.05	0.06	0.13	0.27
CRMS 3985	0.57	0.22	0.31	1.01	0.96	0.62	0.42	0.17	-0.12	-0.05	0.11	0.91
CRMS 0258	0.63	0.51	0.63	0.99	1.02	0.63	0.33	0.00	0.04	0.00	0.22	0.38
CRMS 0224	0.67	0.49	0.86	1.04	1.08	1.04	0.75	0.00	0.01	0.07	0.33	0.60
CRMS 0163	0.02	0.00	0.01	0.01	0.00	-0.05	-0.23	0.01	0.09	0.07	0.01	0.01
CRMS 0162	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.08	0.17	0.29	0.01	0.00

Figure WQ NO3 105 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.75	0.86	0.28	0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.25	0.28
CRMS0276 - Just east of Wilkinson Canal	1.18	1.32	1.29	0.89	0.54	0.26	0.18	0.26	0.68	0.49	1.03	1.31
Barataria Waterway at Lafitte (USACE82875)	1.36	1.46	1.35	1.33	0.67	0.37	0.26	0.11	1.08	0.71	1.42	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	0.75	0.88	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.24	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.73	0.87	0.51	0.01	0.01	0.02	0.08	0.14	0.18	0.10	0.24	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.89	0.37	0.09	0.01	0.02	0.05	0.07	0.12	0.05	0.29	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	0.97	0.47	0.22	0.04	0.04	0.14	0.17	0.28	0.15	0.42	0.75
USGS073802516 Barataria Pass at Grand Isle	0.79	0.89	0.35	0.10	0.01	0.01	0.04	0.05	0.14	0.02	0.24	0.57
HWQ14 - Lake Washington	0.65	0.79	0.36	0.01	0.01	0.02	0.07	0.15	0.18	0.06	0.15	0.41
HWQ16 - Bayou Grand Liard	0.98	1.05	0.92	0.67	0.51	0.41	0.46	0.14	0.45	0.28	0.58	0.94
CRMS 3985	0.78	0.95	0.72	0.03	0.04	0.07	0.20	0.41	0.43	0.32	0.33	0.67
CRMS 0258	0.94	1.07	0.58	0.12	0.00	0.00	0.00	0.00	0.03	0.02	0.65	0.92
CRMS 0224	0.84	0.98	0.31	0.14	0.00	0.01	0.01	0.01	0.10	0.01	0.40	0.71
CRMS 0163	1.24	1.31	1.19	1.24	1.34	0.91	0.16	0.26	1.39	1.16	1.34	1.20
CRMS 0162	1.21	1.27	1.19	1.20	1.25	1.16	1.36	0.89	0.97	0.79	1.26	1.19

V3PR7 HYST - cy 2 - 1985 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.20	1.26	1.15	1.18	1.27	1.32	1.24	1.29	1.23	1.21	1.28	1.16
CRMS0276 - Just east of Wilkinson Canal	1.34	1.41	1.33	0.86	0.49	0.24	0.16	0.24	0.71	0.54	1.07	1.33
Barataria Waterway at Lafitte (USACE82875)	1.39	1.48	1.36	1.23	0.57	0.35	0.26	0.16	1.17	0.79	1.43	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.24	1.15	1.17	1.24	0.66	0.06	0.01	0.11	0.29	1.24	1.15
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.29	1.18	1.18	1.14	0.32	0.11	0.10	0.17	0.15	1.09	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.34	1.18	1.19	1.20	0.56	0.12	0.09	0.19	0.17	1.22	1.18
USGS 07380335 - Little Lake Near Cutoff	1.25	1.38	1.21	1.20	1.12	0.47	0.27	0.21	0.37	0.24	1.16	1.21
USGS073802516 Barataria Pass at Grand Isle	1.25	1.38	1.20	0.71	0.37	0.06	0.06	0.08	0.24	0.07	0.96	1.18
HWQ14 - Lake Washington	1.18	1.26	1.15	0.61	0.35	0.08	0.16	0.15	0.20	0.13	0.72	1.09
HWQ16 - Bayou Grand Liard	1.23	1.27	1.21	0.89	0.64	0.38	0.51	0.25	0.51	0.36	0.79	1.20
CRMS 3985	1.20	1.24	1.20	1.02	0.65	0.25	0.32	0.29	0.32	0.26	0.74	1.17
CRMS 0258	1.23	1.38	1.22	1.22	0.49	0.05	0.00	0.00	0.03	0.04	1.07	1.21
CRMS 0224	1.22	1.38	1.19	1.22	0.69	0.14	0.01	0.01	0.11	0.09	1.16	1.18
CRMS 0163	1.26	1.34	1.19	1.24	1.32	0.90	0.16	0.26	1.46	1.22	1.36	1.21
CRMS 0162	1.22	1.29	1.19	1.20	1.25	1.20	1.43	1.07	1.11	1.06	1.26	1.20

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.45	0.40	0.88	1.16	1.26	1.31	1.23	1.28	1.21	1.21	1.03	0.88
CRMS0276 - Just east of Wilkinson Canal	0.16	0.08	0.04	-0.03	-0.05	-0.02	-0.01	-0.02	0.04	0.05	0.04	0.02
Barataria Waterway at Lafitte (USACE82875)	0.03	0.03	0.01	-0.09	-0.10	-0.02	0.00	0.05	0.09	0.08	0.01	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.43	0.36	0.95	1.16	1.24	0.65	0.05	0.00	0.10	0.28	1.00	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.47	0.42	0.67	1.17	1.13	0.30	0.03	-0.04	0.00	0.05	0.85	0.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.45	0.81	1.10	1.19	0.53	0.06	0.02	0.07	0.12	0.94	0.64
USGS 07380335 - Little Lake Near Cutoff	0.37	0.41	0.74	0.98	1.08	0.43	0.13	0.05	0.09	0.10	0.73	0.46
USGS073802516 Barataria Pass at Grand Isle	0.46	0.48	0.85	0.62	0.36	0.05	0.03	0.03	0.10	0.05	0.72	0.62
HWQ14 - Lake Washington	0.53	0.47	0.79	0.60	0.34	0.06	0.09	0.00	0.02	0.07	0.57	0.68
HWQ16 - Bayou Grand Liard	0.24	0.22	0.30	0.22	0.13	-0.03	0.04	0.10	0.06	0.07	0.21	0.26
CRMS 3985	0.42	0.29	0.48	0.99	0.62	0.17	0.11	-0.12	-0.11	-0.07	0.41	0.50
CRMS 0258	0.29	0.31	0.64	1.10	0.48	0.05	0.00	0.00	0.00	0.01	0.41	0.29
CRMS 0224	0.38	0.40	0.88	1.08	0.68	0.13	0.00	0.00	0.01	0.07	0.76	0.48
CRMS 0163	0.02	0.03	0.01	0.01	-0.02	0.00	0.00	0.00	0.07	0.06	0.02	0.01
CRMS 0162	0.01	0.02	0.00	0.00	0.00	0.04	0.06	0.18	0.13	0.27	0.00	0.01

Figure WQ NO3 106 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.88	0.27	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.28
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.27	0.90	0.61	0.20	0.14	0.26	0.54	0.37	0.49	1.15
Barataria Waterway at Lafitte (USACE82875)	1.39	1.36	1.35	1.34	0.89	0.13	0.27	0.17	0.74	0.48	1.10	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	0.87	0.21	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.47	0.01	0.01	0.02	0.05	0.12	0.14	0.07	0.25	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.91	0.38	0.09	0.01	0.02	0.04	0.07	0.10	0.04	0.14	0.47
USGS 07380335 - Little Lake Near Cutoff	0.82	0.98	0.50	0.21	0.06	0.03	0.10	0.20	0.25	0.12	0.14	0.57
USGS073802516 Barataria Pass at Grand Isle	0.79	0.92	0.37	0.10	0.02	0.01	0.02	0.06	0.12	0.02	0.11	0.46
HWQ14 - Lake Washington	0.81	0.86	0.35	0.01	0.01	0.02	0.05	0.11	0.15	0.05	0.16	0.49
HWQ16 - Bayou Grand Liard	0.82	1.06	0.93	0.68	0.58	0.37	0.42	0.30	0.43	0.21	0.20	0.67
CRMS 3985	1.03	1.00	0.57	0.02	0.03	0.06	0.13	0.41	0.38	0.25	0.45	0.90
CRMS 0258	0.88	1.02	0.59	0.11	0.00	0.00	0.02	0.00	0.03	0.00	0.37	0.76
CRMS 0224	0.80	0.97	0.35	0.13	0.01	0.01	0.01	0.01	0.08	0.01	0.23	0.58
CRMS 0163	1.32	1.22	1.19	1.24	1.25	0.66	0.20	0.26	1.25	1.01	1.37	1.33
CRMS 0162	1.29	1.21	1.19	1.20	1.23	1.10	1.39	0.96	0.72	0.46	1.16	1.30

V3PR7 HYST - cy 2 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.29	1.20	1.26	1.23	1.24	1.27	1.26
CRMS0276 - Just east of Wilkinson Canal	1.22	1.33	1.32	0.85	0.62	0.15	0.12	0.25	0.59	0.47	0.59	1.17
Barataria Waterway at Lafitte (USACE82875)	1.42	1.39	1.36	1.24	0.82	0.14	0.30	0.23	0.81	0.54	1.14	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.18	1.15	1.17	1.17	0.41	0.03	0.01	0.11	0.19	0.82	1.13
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.20	1.18	1.18	1.19	0.22	0.10	0.10	0.15	0.11	0.44	1.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.20	1.18	1.19	1.20	0.32	0.08	0.11	0.18	0.10	0.46	1.04
USGS 07380335 - Little Lake Near Cutoff	1.21	1.23	1.21	1.20	1.20	0.30	0.13	0.26	0.35	0.21	0.42	1.00
USGS073802516 Barataria Pass at Grand Isle	1.13	1.21	1.20	0.70	0.57	0.10	0.04	0.11	0.23	0.06	0.32	0.81
HWQ14 - Lake Washington	1.02	1.13	1.14	0.60	0.49	0.11	0.12	0.17	0.19	0.14	0.34	0.75
HWQ16 - Bayou Grand Liard	1.02	1.23	1.20	0.89	0.77	0.43	0.45	0.44	0.49	0.31	0.32	0.81
CRMS 3985	1.06	1.18	1.20	1.03	0.96	0.25	0.27	0.28	0.27	0.25	0.49	0.94
CRMS 0258	1.28	1.24	1.21	1.23	0.95	0.00	0.00	0.00	0.03	0.01	0.56	1.08
CRMS 0224	1.26	1.22	1.19	1.22	1.15	0.03	0.01	0.01	0.10	0.06	0.52	1.04
CRMS 0163	1.33	1.24	1.19	1.24	1.25	0.70	0.24	0.28	1.34	1.15	1.39	1.34
CRMS 0162	1.30	1.22	1.19	1.21	1.23	1.13	1.42	1.19	1.01	0.82	1.16	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.31	0.88	1.16	1.17	1.29	1.19	1.25	1.21	1.24	1.14	0.98
CRMS0276 - Just east of Wilkinson Canal	0.18	0.02	0.04	-0.04	0.01	-0.05	-0.02	-0.01	0.05	0.10	0.11	0.02
Barataria Waterway at Lafitte (USACE82875)	0.03	0.03	0.01	-0.10	-0.07	0.00	0.03	0.07	0.07	0.07	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.31	0.94	1.16	1.17	0.40	0.03	0.00	0.09	0.18	0.67	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.26	0.71	1.17	1.18	0.20	0.05	-0.02	0.01	0.04	0.20	0.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.40	0.29	0.79	1.10	1.18	0.30	0.04	0.04	0.08	0.06	0.32	0.57
USGS 07380335 - Little Lake Near Cutoff	0.39	0.25	0.71	0.99	1.14	0.27	0.03	0.06	0.10	0.08	0.27	0.43
USGS073802516 Barataria Pass at Grand Isle	0.34	0.29	0.82	0.61	0.55	0.09	0.02	0.05	0.12	0.04	0.21	0.36
HWQ14 - Lake Washington	0.20	0.27	0.79	0.60	0.49	0.09	0.07	0.06	0.04	0.09	0.18	0.26
HWQ16 - Bayou Grand Liard	0.19	0.17	0.28	0.22	0.19	0.05	0.03	0.13	0.06	0.10	0.11	0.14
CRMS 3985	0.04	0.18	0.63	1.01	0.93	0.19	0.15	-0.14	-0.11	0.01	0.04	0.03
CRMS 0258	0.39	0.22	0.62	1.12	0.95	-0.01	-0.01	0.00	0.00	0.00	0.18	0.31
CRMS 0224	0.47	0.25	0.84	1.09	1.13	0.02	0.00	0.00	0.03	0.05	0.29	0.47
CRMS 0163	0.02	0.02	0.01	0.00	0.00	0.04	0.04	0.02	0.09	0.13	0.02	0.01
CRMS 0162	0.01	0.01	0.00	0.00	0.00	0.03	0.03	0.23	0.29	0.37	0.00	0.01

Figure WQ NO3 107 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.83	0.26	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.27
CRMS0276 - Just east of Wilkinson Canal	0.90	1.25	1.13	0.93	0.71	0.35	0.10	0.15	0.36	0.46	0.87	1.13
Barataria Waterway at Lafitte (USACE82875)	1.37	1.41	1.45	1.34	1.09	0.41	0.06	0.02	0.36	0.96	1.35	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.79	0.19	0.03	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.92	0.64	0.01	0.01	0.02	0.12	0.08	0.12	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	0.85	0.40	0.07	0.01	0.02	0.04	0.04	0.08	0.04	0.26	0.47
USGS 07380335 - Little Lake Near Cutoff	0.74	0.90	0.45	0.20	0.04	0.03	0.08	0.09	0.15	0.11	0.35	0.61
USGS073802516 Barataria Pass at Grand Isle	0.73	0.86	0.37	0.10	0.02	0.01	0.01	0.02	0.07	0.02	0.22	0.47
HWQ14 - Lake Washington	0.79	0.84	0.47	0.01	0.01	0.01	0.07	0.06	0.13	0.04	0.18	0.47
HWQ16 - Bayou Grand Liard	0.73	0.98	0.79	0.67	0.56	0.39	0.21	0.06	0.19	0.13	0.44	0.73
CRMS 3985	1.03	1.00	0.88	0.04	0.04	0.11	0.39	0.36	0.32	0.37	0.39	0.88
CRMS 0258	0.71	0.92	0.36	0.17	0.00	0.00	0.00	0.00	0.04	0.08	0.56	0.80
CRMS 0224	0.71	0.88	0.29	0.15	0.01	0.01	0.01	0.01	0.05	0.03	0.36	0.59
CRMS 0163	1.35	1.32	1.38	1.39	1.38	0.72	0.09	0.20	0.74	1.33	1.38	1.36
CRMS 0162	1.31	1.28	1.31	1.23	1.21	1.00	0.92	0.34	0.15	1.03	1.27	1.33

V3PR7 HYST - cy 2 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.27	1.31	1.25	1.29	1.30	1.31	1.33	1.22	1.19	1.21	1.27
CRMS0276 - Just east of Wilkinson Canal	0.98	1.27	1.06	0.96	0.59	0.34	0.09	0.18	0.43	0.52	0.96	1.14
Barataria Waterway at Lafitte (USACE82875)	1.40	1.43	1.48	1.34	1.11	0.45	0.09	0.04	0.27	1.02	1.38	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	1.10	1.22	1.17	0.74	1.01	0.04	0.03	0.01	0.08	0.15	0.69	1.00
USGS7380251 Barataria Bay North of Grand Isle	0.80	1.15	1.00	0.52	0.65	0.02	0.06	0.07	0.12	0.11	0.43	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.22	1.01	0.61	0.89	0.04	0.05	0.06	0.12	0.06	0.43	0.83
USGS 07380335 - Little Lake Near Cutoff	0.85	1.19	0.92	0.63	0.81	0.04	0.08	0.12	0.24	0.15	0.48	0.81
USGS073802516 Barataria Pass at Grand Isle	0.79	1.08	0.64	0.40	0.18	0.01	0.02	0.04	0.14	0.03	0.33	0.66
HWQ14 - Lake Washington	0.72	0.97	0.60	0.26	0.12	0.02	0.08	0.10	0.16	0.11	0.29	0.62
HWQ16 - Bayou Grand Liard	0.77	1.06	0.82	0.77	0.55	0.39	0.24	0.08	0.31	0.30	0.54	0.78
CRMS 3985	0.79	1.04	0.81	0.36	0.30	0.11	0.20	0.23	0.29	0.31	0.48	0.79
CRMS 0258	0.98	1.19	0.68	0.32	0.12	0.00	0.00	0.00	0.02	0.00	0.56	0.90
CRMS 0224	0.93	1.22	0.79	0.47	0.18	0.01	0.01	0.01	0.08	0.02	0.45	0.83
CRMS 0163	1.37	1.34	1.40	1.40	1.39	0.77	0.10	0.23	0.86	1.37	1.38	1.38
CRMS 0162	1.33	1.29	1.34	1.24	1.23	1.02	1.09	0.59	0.18	1.24	1.26	1.35

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.44	1.05	1.23	1.28	1.30	1.30	1.32	1.21	1.19	1.01	1.00
CRMS0276 - Just east of Wilkinson Canal	0.08	0.02	-0.07	0.03	-0.12	-0.01	-0.01	0.04	0.07	0.06	0.09	0.01
Barataria Waterway at Lafitte (USACE82875)	0.03	0.02	0.03	0.00	0.02	0.04	0.04	0.02	-0.09	0.06	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.43	0.98	0.71	1.00	0.03	0.03	0.00	0.07	0.14	0.49	0.73
USGS7380251 Barataria Bay North of Grand Isle	-0.09	0.23	0.36	0.51	0.64	0.00	-0.05	-0.01	0.00	0.00	0.16	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.36	0.62	0.54	0.89	0.02	0.01	0.02	0.04	0.03	0.17	0.36
USGS 07380335 - Little Lake Near Cutoff	0.11	0.29	0.47	0.43	0.78	0.01	0.00	0.02	0.09	0.04	0.13	0.20
USGS073802516 Barataria Pass at Grand Isle	0.06	0.22	0.28	0.30	0.16	0.00	0.00	0.02	0.07	0.02	0.11	0.19
HWQ14 - Lake Washington	-0.07	0.13	0.13	0.26	0.11	0.01	0.01	0.05	0.03	0.06	0.12	0.15
HWQ16 - Bayou Grand Liard	0.04	0.08	0.03	0.09	-0.01	0.01	0.03	0.01	0.12	0.17	0.10	0.05
CRMS 3985	-0.24	0.03	-0.06	0.32	0.26	-0.01	-0.19	-0.13	-0.03	-0.06	0.09	-0.09
CRMS 0258	0.26	0.28	0.32	0.15	0.12	0.00	0.00	0.00	-0.02	-0.07	0.00	0.10
CRMS 0224	0.22	0.34	0.50	0.32	0.16	0.00	0.00	0.00	0.03	-0.01	0.09	0.24
CRMS 0163	0.02	0.02	0.02	0.01	0.01	0.05	0.01	0.02	0.13	0.03	0.00	0.02
CRMS 0162	0.02	0.01	0.02	0.00	0.02	0.02	0.17	0.25	0.03	0.21	-0.01	0.02

Figure WQ NO3 108 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.89	0.27	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	1.03	1.31	1.18	0.92	0.66	0.42	0.22	0.32	0.73	0.50	0.57	0.96
Barataria Waterway at Lafitte (USACE82875)	1.36	1.33	1.41	1.34	0.85	0.60	0.95	0.60	0.98	0.81	1.00	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.89	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.20	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.47	0.01	0.01	0.03	0.07	0.09	0.16	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.94	0.35	0.09	0.01	0.03	0.06	0.09	0.12	0.06	0.23	0.43
USGS 07380335 - Little Lake Near Cutoff	0.80	1.01	0.44	0.22	0.05	0.07	0.17	0.26	0.29	0.16	0.27	0.50
USGS073802516 Barataria Pass at Grand Isle	0.78	0.94	0.33	0.10	0.01	0.02	0.05	0.11	0.16	0.02	0.16	0.41
HWQ14 - Lake Washington	0.81	0.86	0.33	0.01	0.01	0.02	0.08	0.11	0.17	0.08	0.19	0.49
HWQ16 - Bayou Grand Liard	0.85	1.09	0.87	0.68	0.54	0.54	0.62	0.65	0.53	0.36	0.29	0.53
CRMS 3985	1.02	0.98	0.62	0.03	0.04	0.08	0.18	0.29	0.40	0.33	0.46	0.92
CRMS 0258	0.85	1.05	0.56	0.11	0.00	0.00	0.01	0.00	0.05	0.01	0.52	0.67
CRMS 0224	0.77	1.00	0.31	0.14	0.00	0.01	0.01	0.01	0.07	0.01	0.31	0.53
CRMS 0163	1.27	1.19	1.27	1.27	1.31	1.10	0.99	0.42	1.35	1.27	1.36	1.38
CRMS 0162	1.24	1.19	1.26	1.21	1.24	1.33	1.41	1.35	1.21	1.18	1.11	1.30

V3PR7 HYST - cy 2 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.32	1.27	1.20	1.21	1.32	1.29
CRMS0276 - Just east of Wilkinson Canal	1.21	1.33	1.25	0.83	0.59	0.47	0.67	0.44	0.80	0.57	0.81	1.03
Barataria Waterway at Lafitte (USACE82875)	1.38	1.35	1.41	1.17	0.80	0.51	0.74	0.53	1.12	0.86	1.03	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.15	1.21	1.21	1.23	1.27	1.30	0.72	0.07	0.16	0.86	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.17	1.24	1.17	1.10	1.05	1.03	0.38	0.13	0.11	0.48	0.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.17	1.25	1.19	1.18	1.20	1.22	0.71	0.17	0.10	0.55	0.89
USGS 07380335 - Little Lake Near Cutoff	1.21	1.21	1.29	1.18	1.09	1.12	1.16	0.83	0.38	0.22	0.56	0.82
USGS073802516 Barataria Pass at Grand Isle	1.14	1.22	1.20	0.69	0.51	0.36	0.49	0.35	0.20	0.06	0.42	0.71
HWQ14 - Lake Washington	1.05	1.17	1.11	0.57	0.44	0.39	0.48	0.35	0.20	0.13	0.38	0.71
HWQ16 - Bayou Grand Liard	1.04	1.25	1.17	0.86	0.69	0.66	0.68	0.68	0.60	0.41	0.48	0.64
CRMS 3985	1.14	1.19	1.23	0.97	0.77	0.68	0.66	0.50	0.25	0.25	0.50	0.92
CRMS 0258	1.23	1.21	1.31	1.15	0.61	0.29	0.42	0.01	0.12	0.02	0.75	1.02
CRMS 0224	1.22	1.18	1.29	1.18	0.85	0.78	0.95	0.13	0.07	0.08	0.64	0.92
CRMS 0163	1.29	1.20	1.28	1.28	1.29	0.95	0.68	0.35	1.43	1.32	1.38	1.39
CRMS 0162	1.26	1.19	1.26	1.21	1.25	1.33	1.42	1.42	1.34	1.37	1.15	1.34

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.27	0.96	1.20	1.23	1.27	1.31	1.26	1.18	1.20	1.15	1.04
CRMS0276 - Just east of Wilkinson Canal	0.19	0.02	0.07	-0.09	-0.07	0.05	0.45	0.12	0.08	0.07	0.24	0.06
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.00	-0.16	-0.05	-0.09	-0.22	-0.07	0.14	0.05	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.44	0.26	1.01	1.20	1.22	1.26	1.29	0.71	0.05	0.15	0.65	0.76
USGS7380251 Barataria Bay North of Grand Isle	0.28	0.25	0.77	1.16	1.09	1.03	0.97	0.29	-0.03	-0.01	0.21	0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.41	0.24	0.90	1.10	1.17	1.17	1.16	0.62	0.05	0.05	0.32	0.46
USGS 07380335 - Little Lake Near Cutoff	0.41	0.20	0.85	0.96	1.04	1.04	1.00	0.57	0.09	0.05	0.29	0.33
USGS073802516 Barataria Pass at Grand Isle	0.36	0.28	0.87	0.59	0.49	0.34	0.44	0.24	0.04	0.04	0.26	0.30
HWQ14 - Lake Washington	0.25	0.31	0.78	0.57	0.43	0.37	0.40	0.24	0.03	0.05	0.19	0.22
HWQ16 - Bayou Grand Liard	0.20	0.16	0.30	0.18	0.15	0.12	0.06	0.03	0.07	0.05	0.19	0.12
CRMS 3985	0.12	0.22	0.60	0.94	0.73	0.60	0.47	0.20	-0.15	-0.08	0.04	0.00
CRMS 0258	0.38	0.16	0.74	1.03	0.61	0.29	0.42	0.00	0.07	0.02	0.23	0.35
CRMS 0224	0.45	0.18	0.98	1.04	0.84	0.77	0.95	0.12	0.00	0.06	0.33	0.39
CRMS 0163	0.02	0.01	0.01	0.00	-0.02	-0.15	-0.31	-0.07	0.08	0.05	0.02	0.01
CRMS 0162	0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.07	0.13	0.19	0.03	0.03

Figure WQ NO3 109 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.65	0.29	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.23
CRMS0276 - Just east of Wilkinson Canal	1.02	1.19	1.23	1.05	1.07	0.28	0.13	0.27	0.65	0.47	0.46	1.24
Barataria Waterway at Lafitte (USACE82875)	1.41	1.48	1.38	1.38	1.30	0.44	0.44	0.25	0.75	0.64	1.04	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.67	0.21	0.03	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.75	0.59	0.01	0.01	0.02	0.06	0.06	0.16	0.11	0.24	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.73	0.33	0.11	0.02	0.03	0.05	0.08	0.11	0.06	0.18	0.39
USGS 07380335 - Little Lake Near Cutoff	0.71	0.81	0.40	0.28	0.13	0.06	0.12	0.25	0.28	0.16	0.19	0.57
USGS073802516 Barataria Pass at Grand Isle	0.60	0.74	0.27	0.13	0.04	0.01	0.03	0.11	0.14	0.03	0.13	0.42
HWQ14 - Lake Washington	0.42	0.66	0.37	0.01	0.01	0.02	0.07	0.08	0.15	0.09	0.17	0.26
HWQ16 - Bayou Grand Liard	0.82	0.89	0.79	0.76	0.75	0.49	0.56	0.58	0.51	0.33	0.20	0.74
CRMS 3985	0.54	0.86	0.83	0.06	0.03	0.07	0.18	0.21	0.34	0.30	0.39	0.19
CRMS 0258	0.80	0.82	0.58	0.23	0.01	0.00	0.00	0.00	0.04	0.01	0.46	0.83
CRMS 0224	0.68	0.80	0.34	0.20	0.03	0.01	0.01	0.01	0.07	0.01	0.26	0.60
CRMS 0163	1.35	1.42	1.25	1.26	1.15	1.22	0.59	0.27	1.28	1.19	1.38	1.27
CRMS 0162	1.30	1.31	1.24	1.21	1.14	1.25	1.41	1.30	1.10	0.81	1.15	1.25

V3PR7 HYST - cy 2 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.30	1.33	1.20	1.19	1.07	1.18	1.31	1.21	1.19	1.23	1.30	1.21
CRMS0276 - Just east of Wilkinson Canal	1.27	1.26	1.27	1.10	0.86	0.38	0.54	0.22	0.69	0.52	0.56	1.26
Barataria Waterway at Lafitte (USACE82875)	1.44	1.49	1.40	1.37	1.30	0.41	0.30	0.27	0.84	0.73	1.07	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.29	1.18	1.19	1.07	1.18	1.29	0.07	0.08	0.17	0.87	1.20
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.14	1.18	1.20	1.12	1.12	0.93	0.08	0.14	0.12	0.50	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.23	1.19	1.21	1.12	1.17	1.18	0.18	0.18	0.11	0.53	1.21
USGS 07380335 - Little Lake Near Cutoff	1.24	1.21	1.21	1.22	1.15	1.12	1.10	0.38	0.37	0.22	0.48	1.22
USGS073802516 Barataria Pass at Grand Isle	1.20	1.15	1.10	0.82	0.80	0.31	0.34	0.10	0.21	0.07	0.37	1.09
HWQ14 - Lake Washington	1.12	1.08	1.03	0.73	0.70	0.37	0.37	0.22	0.20	0.14	0.38	0.98
HWQ16 - Bayou Grand Liard	1.00	1.05	1.09	1.01	0.94	0.56	0.60	0.59	0.54	0.37	0.32	1.01
CRMS 3985	1.12	1.09	1.15	1.07	0.99	0.69	0.59	0.38	0.24	0.25	0.51	1.10
CRMS 0258	1.43	1.32	1.20	1.23	1.02	0.56	0.31	0.00	0.08	0.01	0.69	1.20
CRMS 0224	1.35	1.28	1.20	1.23	1.11	1.04	0.75	0.01	0.08	0.08	0.59	1.19
CRMS 0163	1.36	1.42	1.26	1.27	1.15	1.17	0.35	0.28	1.37	1.26	1.38	1.28
CRMS 0162	1.30	1.33	1.24	1.21	1.14	1.26	1.42	1.38	1.27	1.09	1.17	1.25

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.68	0.91	1.17	1.07	1.18	1.31	1.20	1.18	1.22	1.15	0.98
CRMS0276 - Just east of Wilkinson Canal	0.25	0.07	0.03	0.05	-0.21	0.10	0.41	-0.05	0.04	0.05	0.11	0.01
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.02	-0.01	0.00	-0.03	-0.15	0.03	0.09	0.09	0.03	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.61	0.62	0.98	1.16	1.07	1.18	1.29	0.07	0.07	0.17	0.69	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.71	0.39	0.58	1.18	1.11	1.09	0.87	0.02	-0.02	0.01	0.26	0.95
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.67	0.49	0.87	1.10	1.10	1.15	1.13	0.10	0.07	0.05	0.35	0.82
USGS 07380335 - Little Lake Near Cutoff	0.53	0.40	0.81	0.95	1.02	1.06	0.98	0.13	0.09	0.06	0.29	0.65
USGS073802516 Barataria Pass at Grand Isle	0.60	0.41	0.82	0.69	0.75	0.30	0.31	-0.01	0.07	0.04	0.24	0.67
HWQ14 - Lake Washington	0.70	0.43	0.66	0.72	0.69	0.35	0.30	0.14	0.05	0.06	0.21	0.72
HWQ16 - Bayou Grand Liard	0.18	0.15	0.30	0.24	0.19	0.06	0.05	0.00	0.03	0.05	0.12	0.27
CRMS 3985	0.58	0.23	0.31	1.01	0.96	0.62	0.42	0.17	-0.10	-0.05	0.12	0.91
CRMS 0258	0.63	0.50	0.63	0.99	1.00	0.57	0.31	0.00	0.04	0.00	0.22	0.38
CRMS 0224	0.67	0.48	0.86	1.04	1.08	1.04	0.74	0.00	0.01	0.07	0.33	0.60
CRMS 0163	0.01	0.00	0.01	0.01	0.00	-0.05	-0.24	0.01	0.09	0.07	0.01	0.01
CRMS 0162	0.00	0.02	0.01	0.00	0.00	0.01	0.01	0.09	0.18	0.28	0.02	0.00

Figure WQ NO3 110 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.75	0.86	0.28	0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.25	0.28
CRMS0276 - Just east of Wilkinson Canal	1.18	1.32	1.29	0.89	0.54	0.26	0.18	0.26	0.68	0.49	1.03	1.31
Barataria Waterway at Lafitte (USACE82875)	1.36	1.46	1.35	1.33	0.67	0.37	0.26	0.11	1.08	0.71	1.42	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	0.75	0.88	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.24	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.73	0.87	0.51	0.01	0.01	0.02	0.08	0.14	0.18	0.10	0.24	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.89	0.37	0.09	0.01	0.02	0.05	0.07	0.12	0.05	0.29	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	0.97	0.47	0.22	0.04	0.04	0.14	0.17	0.28	0.15	0.42	0.75
USGS073802516 Barataria Pass at Grand Isle	0.79	0.89	0.35	0.10	0.01	0.01	0.04	0.05	0.14	0.02	0.24	0.57
HWQ14 - Lake Washington	0.65	0.79	0.36	0.01	0.01	0.02	0.07	0.15	0.18	0.06	0.15	0.41
HWQ16 - Bayou Grand Liard	0.98	1.05	0.92	0.67	0.51	0.41	0.46	0.14	0.45	0.28	0.58	0.94
CRMS 3985	0.78	0.95	0.72	0.03	0.04	0.07	0.20	0.41	0.43	0.32	0.33	0.67
CRMS 0258	0.94	1.07	0.58	0.12	0.00	0.00	0.00	0.00	0.03	0.02	0.65	0.92
CRMS 0224	0.84	0.98	0.31	0.14	0.00	0.01	0.01	0.01	0.10	0.01	0.40	0.71
CRMS 0163	1.24	1.31	1.19	1.24	1.34	0.91	0.16	0.26	1.39	1.16	1.34	1.20
CRMS 0162	1.21	1.27	1.19	1.20	1.25	1.16	1.36	0.89	0.97	0.79	1.26	1.19

V3PR8 HYST - cy 2 - 1985 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.20	1.26	1.15	1.18	1.27	1.32	1.26	1.29	1.24	1.20	1.28	1.16
CRMS0276 - Just east of Wilkinson Canal	1.34	1.39	1.29	0.76	0.45	0.18	0.17	0.26	0.79	0.46	0.94	1.31
Barataria Waterway at Lafitte (USACE82875)	1.42	1.47	1.26	0.62	0.10	0.04	0.04	0.02	0.54	0.27	1.16	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.23	1.15	1.17	1.24	0.66	0.06	0.01	0.11	0.28	1.25	1.15
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.29	1.18	1.18	1.14	0.31	0.11	0.10	0.17	0.17	1.10	1.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.34	1.17	1.19	1.21	0.57	0.12	0.09	0.19	0.17	1.23	1.18
USGS 07380335 - Little Lake Near Cutoff	1.25	1.38	1.21	1.20	1.13	0.47	0.26	0.21	0.38	0.23	1.16	1.21
USGS073802516 Barataria Pass at Grand Isle	1.24	1.37	1.20	0.70	0.37	0.07	0.06	0.07	0.25	0.07	0.97	1.18
HWQ14 - Lake Washington	1.18	1.26	1.15	0.64	0.36	0.08	0.15	0.15	0.20	0.15	0.74	1.09
HWQ16 - Bayou Grand Liard	1.22	1.26	1.20	0.88	0.63	0.39	0.50	0.22	0.49	0.29	0.75	1.19
CRMS 3985	1.21	1.23	1.20	1.02	0.64	0.24	0.31	0.30	0.32	0.32	0.73	1.17
CRMS 0258	1.23	1.38	1.21	1.22	0.52	0.06	0.01	0.00	0.05	0.06	1.09	1.20
CRMS 0224	1.22	1.38	1.19	1.22	0.70	0.15	0.01	0.01	0.15	0.10	1.16	1.18
CRMS 0163	1.26	1.33	1.19	1.19	1.23	0.76	0.13	0.26	1.40	1.17	1.34	1.21
CRMS 0162	1.22	1.29	1.20	1.20	1.25	1.23	1.42	1.06	1.09	1.08	1.26	1.20

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.45	0.40	0.88	1.16	1.26	1.32	1.25	1.29	1.22	1.19	1.03	0.88
CRMS0276 - Just east of Wilkinson Canal	0.16	0.07	0.00	-0.13	-0.09	-0.08	-0.01	-0.01	0.11	-0.02	-0.09	0.00
Barataria Waterway at Lafitte (USACE82875)	0.06	0.01	-0.08	-0.71	-0.57	-0.32	-0.22	-0.09	-0.55	-0.44	-0.25	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.43	0.36	0.95	1.16	1.24	0.65	0.05	0.00	0.09	0.28	1.00	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.48	0.42	0.67	1.17	1.13	0.29	0.03	-0.04	-0.01	0.07	0.86	0.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.44	0.81	1.10	1.20	0.55	0.06	0.02	0.07	0.12	0.94	0.64
USGS 07380335 - Little Lake Near Cutoff	0.37	0.41	0.74	0.98	1.09	0.43	0.13	0.04	0.10	0.08	0.73	0.46
USGS073802516 Barataria Pass at Grand Isle	0.46	0.48	0.85	0.60	0.36	0.05	0.03	0.02	0.11	0.05	0.73	0.61
HWQ14 - Lake Washington	0.53	0.47	0.79	0.63	0.36	0.06	0.08	0.00	0.02	0.08	0.59	0.68
HWQ16 - Bayou Grand Liard	0.24	0.21	0.29	0.21	0.12	-0.03	0.04	0.08	0.04	0.01	0.18	0.25
CRMS 3985	0.43	0.29	0.47	0.98	0.61	0.17	0.11	-0.12	-0.11	-0.01	0.40	0.50
CRMS 0258	0.29	0.31	0.63	1.10	0.52	0.06	0.00	0.00	0.02	0.04	0.44	0.28
CRMS 0224	0.38	0.39	0.88	1.08	0.70	0.14	0.00	0.00	0.06	0.09	0.76	0.47
CRMS 0163	0.02	0.02	0.00	-0.05	-0.11	-0.15	-0.03	0.00	0.01	0.01	-0.01	0.01
CRMS 0162	0.01	0.02	0.01	-0.01	0.00	0.07	0.06	0.17	0.12	0.29	0.00	0.01

Figure WQ NO3 111 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.88	0.27	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.28
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.27	0.90	0.61	0.20	0.14	0.26	0.54	0.37	0.49	1.15
Barataria Waterway at Lafitte (USACE82875)	1.39	1.36	1.35	1.34	0.89	0.13	0.27	0.17	0.74	0.48	1.10	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	0.87	0.21	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.47	0.01	0.01	0.02	0.05	0.12	0.14	0.07	0.25	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.91	0.38	0.09	0.01	0.02	0.04	0.07	0.10	0.04	0.14	0.47
USGS 07380335 - Little Lake Near Cutoff	0.82	0.98	0.50	0.21	0.06	0.03	0.10	0.20	0.25	0.12	0.14	0.57
USGS073802516 Barataria Pass at Grand Isle	0.79	0.92	0.37	0.10	0.02	0.01	0.02	0.06	0.12	0.02	0.11	0.46
HWQ14 - Lake Washington	0.81	0.86	0.35	0.01	0.01	0.02	0.05	0.11	0.15	0.05	0.16	0.49
HWQ16 - Bayou Grand Liard	0.82	1.06	0.93	0.68	0.58	0.37	0.42	0.30	0.43	0.21	0.20	0.67
CRMS 3985	1.03	1.00	0.57	0.02	0.03	0.06	0.13	0.41	0.38	0.25	0.45	0.90
CRMS 0258	0.88	1.02	0.59	0.11	0.00	0.00	0.02	0.00	0.03	0.00	0.37	0.76
CRMS 0224	0.80	0.97	0.35	0.13	0.01	0.01	0.01	0.01	0.08	0.01	0.23	0.58
CRMS 0163	1.32	1.22	1.19	1.24	1.25	0.66	0.20	0.26	1.25	1.01	1.37	1.33
CRMS 0162	1.29	1.21	1.19	1.20	1.23	1.10	1.39	0.96	0.72	0.46	1.16	1.30

V3PR8 HYST - cy 2 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.29	1.21	1.27	1.24	1.25	1.28	1.26
CRMS0276 - Just east of Wilkinson Canal	1.20	1.31	1.29	0.75	0.58	0.12	0.13	0.29	0.74	0.37	0.40	1.08
Barataria Waterway at Lafitte (USACE82875)	1.40	1.40	1.26	0.61	0.29	0.03	0.05	0.02	0.31	0.14	0.84	1.29
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.18	1.15	1.17	1.17	0.41	0.03	0.01	0.11	0.19	0.83	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.20	1.18	1.18	1.19	0.21	0.10	0.10	0.15	0.11	0.44	1.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.20	1.17	1.19	1.20	0.32	0.08	0.11	0.18	0.10	0.43	1.03
USGS 07380335 - Little Lake Near Cutoff	1.21	1.23	1.21	1.20	1.20	0.30	0.13	0.26	0.36	0.20	0.35	0.97
USGS073802516 Barataria Pass at Grand Isle	1.13	1.21	1.20	0.70	0.55	0.09	0.04	0.11	0.25	0.06	0.30	0.80
HWQ14 - Lake Washington	1.02	1.13	1.15	0.64	0.52	0.10	0.13	0.16	0.18	0.14	0.35	0.77
HWQ16 - Bayou Grand Liard	1.00	1.22	1.20	0.88	0.76	0.43	0.46	0.42	0.48	0.22	0.26	0.76
CRMS 3985	1.06	1.18	1.20	1.02	0.94	0.24	0.27	0.28	0.27	0.26	0.49	0.94
CRMS 0258	1.28	1.24	1.21	1.23	0.99	0.00	0.01	0.00	0.05	0.04	0.54	0.99
CRMS 0224	1.26	1.22	1.19	1.22	1.16	0.03	0.01	0.01	0.14	0.08	0.50	0.99
CRMS 0163	1.33	1.24	1.19	1.18	1.23	0.68	0.17	0.27	1.27	1.08	1.33	1.33
CRMS 0162	1.30	1.22	1.19	1.21	1.23	1.13	1.42	1.17	0.98	0.78	1.18	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.43	0.31	0.88	1.16	1.17	1.29	1.21	1.27	1.22	1.24	1.14	0.98
CRMS0276 - Just east of Wilkinson Canal	0.16	0.00	0.01	-0.15	-0.04	-0.07	-0.01	0.03	0.20	0.00	-0.08	-0.06
Barataria Waterway at Lafitte (USACE82875)	0.01	0.04	-0.09	-0.73	-0.61	-0.10	-0.22	-0.15	-0.42	-0.34	-0.26	-0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.31	0.94	1.16	1.17	0.41	0.02	0.00	0.09	0.18	0.67	0.83
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.27	0.71	1.18	1.18	0.19	0.05	-0.02	0.01	0.04	0.19	0.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.41	0.29	0.79	1.11	1.19	0.30	0.04	0.04	0.08	0.06	0.29	0.56
USGS 07380335 - Little Lake Near Cutoff	0.39	0.25	0.71	0.99	1.14	0.27	0.03	0.07	0.11	0.07	0.21	0.40
USGS073802516 Barataria Pass at Grand Isle	0.34	0.29	0.82	0.61	0.53	0.08	0.01	0.05	0.13	0.05	0.19	0.35
HWQ14 - Lake Washington	0.21	0.27	0.80	0.63	0.51	0.09	0.07	0.05	0.03	0.09	0.19	0.28
HWQ16 - Bayou Grand Liard	0.17	0.16	0.27	0.20	0.18	0.06	0.04	0.12	0.06	0.01	0.06	0.09
CRMS 3985	0.04	0.18	0.63	1.01	0.91	0.18	0.15	-0.14	-0.12	0.01	0.04	0.04
CRMS 0258	0.39	0.21	0.62	1.12	0.99	0.00	-0.01	0.00	0.02	0.04	0.17	0.22
CRMS 0224	0.47	0.25	0.84	1.09	1.15	0.02	0.00	0.00	0.06	0.07	0.27	0.41
CRMS 0163	0.01	0.02	0.00	-0.06	-0.02	0.02	-0.03	0.01	0.03	0.06	-0.04	0.00
CRMS 0162	0.01	0.01	0.00	0.00	0.00	0.03	0.03	0.21	0.26	0.32	0.01	0.02

Figure WQ NO3 112 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.83	0.26	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.27
CRMS0276 - Just east of Wilkinson Canal	0.90	1.25	1.13	0.93	0.71	0.35	0.10	0.15	0.36	0.46	0.87	1.13
Barataria Waterway at Lafitte (USACE82875)	1.37	1.41	1.45	1.34	1.09	0.41	0.06	0.02	0.36	0.96	1.35	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.79	0.19	0.03	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.92	0.64	0.01	0.01	0.02	0.12	0.08	0.12	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	0.85	0.40	0.07	0.01	0.02	0.04	0.04	0.08	0.04	0.26	0.47
USGS 07380335 - Little Lake Near Cutoff	0.74	0.90	0.45	0.20	0.04	0.03	0.08	0.09	0.15	0.11	0.35	0.61
USGS073802516 Barataria Pass at Grand Isle	0.73	0.86	0.37	0.10	0.02	0.01	0.01	0.02	0.07	0.02	0.22	0.47
HWQ14 - Lake Washington	0.79	0.84	0.47	0.01	0.01	0.01	0.07	0.06	0.13	0.04	0.18	0.47
HWQ16 - Bayou Grand Liard	0.73	0.98	0.79	0.67	0.56	0.39	0.21	0.06	0.19	0.13	0.44	0.73
CRMS 3985	1.03	1.00	0.88	0.04	0.04	0.11	0.39	0.36	0.32	0.37	0.39	0.88
CRMS 0258	0.71	0.92	0.36	0.17	0.00	0.00	0.00	0.00	0.04	0.08	0.56	0.80
CRMS 0224	0.71	0.88	0.29	0.15	0.01	0.01	0.01	0.01	0.05	0.03	0.36	0.59
CRMS 0163	1.35	1.32	1.38	1.39	1.38	0.72	0.09	0.20	0.74	1.33	1.38	1.36
CRMS 0162	1.31	1.28	1.31	1.23	1.21	1.00	0.92	0.34	0.15	1.03	1.27	1.33

V3PR8 HYST - cy 2 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.30	1.27	1.31	1.26	1.30	1.31	1.31	1.33	1.24	1.20	1.22	1.25
CRMS0276 - Just east of Wilkinson Canal	0.94	1.23	1.02	0.89	0.54	0.30	0.11	0.13	0.45	0.39	0.71	1.11
Barataria Waterway at Lafitte (USACE82875)	1.30	1.37	1.15	0.76	0.38	0.04	0.02	0.01	0.16	0.57	1.12	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.22	1.17	0.75	1.02	0.04	0.03	0.01	0.07	0.15	0.69	1.00
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.18	1.02	0.50	0.63	0.02	0.06	0.07	0.11	0.11	0.43	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.95	1.23	1.03	0.60	0.90	0.04	0.05	0.06	0.11	0.06	0.39	0.82
USGS 07380335 - Little Lake Near Cutoff	0.88	1.21	0.93	0.63	0.81	0.03	0.08	0.10	0.19	0.13	0.39	0.79
USGS073802516 Barataria Pass at Grand Isle	0.86	1.12	0.67	0.39	0.17	0.01	0.02	0.04	0.13	0.03	0.29	0.65
HWQ14 - Lake Washington	0.90	1.05	0.68	0.28	0.12	0.02	0.08	0.10	0.16	0.11	0.31	0.65
HWQ16 - Bayou Grand Liard	0.73	1.06	0.82	0.75	0.54	0.40	0.24	0.07	0.24	0.16	0.42	0.73
CRMS 3985	1.06	1.09	0.84	0.34	0.27	0.10	0.20	0.23	0.27	0.31	0.49	0.90
CRMS 0258	0.99	1.19	0.69	0.32	0.14	0.00	0.00	0.00	0.06	0.07	0.52	0.93
CRMS 0224	0.96	1.22	0.80	0.47	0.17	0.01	0.01	0.01	0.06	0.03	0.42	0.85
CRMS 0163	1.35	1.33	1.38	1.32	1.23	0.59	0.11	0.22	0.89	1.30	1.35	1.36
CRMS 0162	1.32	1.30	1.33	1.23	1.21	1.03	1.09	0.59	0.25	1.24	1.26	1.34

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.57	0.44	1.05	1.24	1.29	1.30	1.30	1.32	1.23	1.20	1.01	0.99
CRMS0276 - Just east of Wilkinson Canal	0.04	-0.02	-0.11	-0.05	-0.17	-0.05	0.01	-0.02	0.09	-0.06	-0.16	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.07	-0.04	-0.29	-0.58	-0.71	-0.37	-0.04	-0.01	-0.21	-0.39	-0.23	-0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.42	0.43	0.98	0.72	1.01	0.03	0.03	0.00	0.06	0.14	0.49	0.74
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.26	0.38	0.50	0.62	0.00	-0.06	-0.01	-0.01	0.00	0.16	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.38	0.63	0.53	0.89	0.02	0.01	0.02	0.03	0.02	0.13	0.35
USGS 07380335 - Little Lake Near Cutoff	0.14	0.31	0.49	0.43	0.78	0.01	0.00	0.01	0.04	0.02	0.04	0.19
USGS073802516 Barataria Pass at Grand Isle	0.13	0.26	0.30	0.29	0.15	0.00	0.00	0.02	0.06	0.02	0.08	0.18
HWQ14 - Lake Washington	0.11	0.20	0.21	0.27	0.12	0.01	0.01	0.05	0.03	0.07	0.13	0.18
HWQ16 - Bayou Grand Liard	0.00	0.08	0.03	0.08	-0.02	0.01	0.03	0.01	0.05	0.03	-0.02	0.01
CRMS 3985	0.03	0.09	-0.03	0.30	0.23	-0.01	-0.19	-0.13	-0.05	-0.06	0.10	0.02
CRMS 0258	0.28	0.28	0.32	0.16	0.14	0.00	0.00	0.00	0.02	0.00	-0.04	0.13
CRMS 0224	0.25	0.34	0.51	0.32	0.15	0.00	0.00	0.00	0.01	-0.01	0.05	0.26
CRMS 0163	0.00	0.01	0.00	-0.07	-0.15	-0.13	0.02	0.02	0.15	-0.04	-0.03	0.00
CRMS 0162	0.00	0.02	0.01	0.00	0.00	0.03	0.16	0.25	0.10	0.21	-0.01	0.00

Figure WQ NO3 113 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.89	0.27	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	1.03	1.31	1.18	0.92	0.66	0.42	0.22	0.32	0.73	0.50	0.57	0.96
Barataria Waterway at Lafitte (USACE82875)	1.36	1.33	1.41	1.34	0.85	0.60	0.95	0.60	0.98	0.81	1.00	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.89	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.20	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.47	0.01	0.01	0.03	0.07	0.09	0.16	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.94	0.35	0.09	0.01	0.03	0.06	0.09	0.12	0.06	0.23	0.43
USGS 07380335 - Little Lake Near Cutoff	0.80	1.01	0.44	0.22	0.05	0.07	0.17	0.26	0.29	0.16	0.27	0.50
USGS073802516 Barataria Pass at Grand Isle	0.78	0.94	0.33	0.10	0.01	0.02	0.05	0.11	0.16	0.02	0.16	0.41
HWQ14 - Lake Washington	0.81	0.86	0.33	0.01	0.01	0.02	0.08	0.11	0.17	0.08	0.19	0.49
HWQ16 - Bayou Grand Liard	0.85	1.09	0.87	0.68	0.54	0.54	0.62	0.65	0.53	0.36	0.29	0.53
CRMS 3985	1.02	0.98	0.62	0.03	0.04	0.08	0.18	0.29	0.40	0.33	0.46	0.92
CRMS 0258	0.85	1.05	0.56	0.11	0.00	0.00	0.01	0.00	0.05	0.01	0.52	0.67
CRMS 0224	0.77	1.00	0.31	0.14	0.00	0.01	0.01	0.01	0.07	0.01	0.31	0.53
CRMS 0163	1.27	1.19	1.27	1.27	1.31	1.10	0.99	0.42	1.35	1.27	1.36	1.38
CRMS 0162	1.24	1.19	1.26	1.21	1.24	1.33	1.41	1.35	1.21	1.18	1.11	1.30

V3PR8 HYST - cy 2 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.23	1.27	1.32	1.27	1.20	1.20	1.34	1.32
CRMS0276 - Just east of Wilkinson Canal	1.17	1.33	1.20	0.73	0.56	0.42	0.70	0.52	0.77	0.63	0.41	0.61
Barataria Waterway at Lafitte (USACE82875)	1.36	1.39	0.99	0.63	0.17	0.05	0.07	0.03	0.55	0.46	0.77	0.94
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.15	1.21	1.21	1.23	1.27	1.30	0.72	0.07	0.15	0.86	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.11	1.17	1.24	1.17	1.10	1.04	1.02	0.38	0.13	0.11	0.47	0.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.17	1.25	1.19	1.19	1.21	1.25	0.72	0.17	0.10	0.50	0.80
USGS 07380335 - Little Lake Near Cutoff	1.16	1.20	1.29	1.18	1.09	1.12	1.17	0.83	0.39	0.23	0.45	0.72
USGS073802516 Barataria Pass at Grand Isle	0.98	1.18	1.19	0.67	0.50	0.36	0.49	0.35	0.22	0.06	0.37	0.63
HWQ14 - Lake Washington	0.77	1.11	1.10	0.59	0.47	0.39	0.46	0.32	0.20	0.14	0.38	0.54
HWQ16 - Bayou Grand Liard	0.96	1.23	1.16	0.84	0.68	0.65	0.67	0.67	0.58	0.39	0.29	0.52
CRMS 3985	0.83	1.16	1.21	0.96	0.76	0.66	0.64	0.49	0.24	0.26	0.46	0.27
CRMS 0258	1.22	1.21	1.31	1.16	0.66	0.36	0.49	0.01	0.14	0.03	0.70	0.91
CRMS 0224	1.21	1.18	1.29	1.18	0.86	0.81	0.96	0.13	0.09	0.09	0.59	0.85
CRMS 0163	1.29	1.20	1.26	1.22	1.21	0.82	0.35	0.32	1.38	1.26	1.33	1.38
CRMS 0162	1.27	1.20	1.26	1.21	1.24	1.33	1.42	1.43	1.36	1.32	1.15	1.38

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.27	0.96	1.20	1.23	1.27	1.31	1.26	1.18	1.20	1.17	1.07
CRMS0276 - Just east of Wilkinson Canal	0.14	0.01	0.03	-0.18	-0.10	0.00	0.48	0.20	0.05	0.13	-0.17	-0.35
Barataria Waterway at Lafitte (USACE82875)	0.00	0.06	-0.43	-0.71	-0.68	-0.55	-0.88	-0.58	-0.42	-0.35	-0.24	-0.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.44	0.26	1.01	1.20	1.22	1.26	1.29	0.72	0.05	0.15	0.66	0.78
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.25	0.77	1.16	1.09	1.01	0.96	0.28	-0.04	0.00	0.20	-0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.24	0.90	1.10	1.17	1.18	1.19	0.63	0.05	0.05	0.28	0.37
USGS 07380335 - Little Lake Near Cutoff	0.36	0.19	0.85	0.97	1.04	1.05	1.01	0.57	0.10	0.07	0.18	0.22
USGS073802516 Barataria Pass at Grand Isle	0.21	0.24	0.85	0.56	0.48	0.34	0.44	0.24	0.06	0.04	0.21	0.22
HWQ14 - Lake Washington	-0.04	0.25	0.77	0.58	0.46	0.37	0.39	0.21	0.03	0.06	0.20	0.05
HWQ16 - Bayou Grand Liard	0.11	0.14	0.29	0.17	0.14	0.11	0.05	0.02	0.06	0.04	0.00	-0.01
CRMS 3985	-0.19	0.18	0.59	0.93	0.72	0.58	0.45	0.20	-0.16	-0.08	0.00	-0.65
CRMS 0258	0.37	0.16	0.74	1.04	0.65	0.36	0.48	0.01	0.09	0.02	0.19	0.24
CRMS 0224	0.44	0.18	0.98	1.04	0.85	0.80	0.95	0.12	0.02	0.08	0.29	0.32
CRMS 0163	0.02	0.01	-0.01	-0.06	-0.10	-0.28	-0.64	-0.10	0.03	-0.01	-0.04	0.00
CRMS 0162	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.07	0.15	0.14	0.04	0.07

Figure WQ NO3 114 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.65	0.29	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.23
CRMS0276 - Just east of Wilkinson Canal	1.02	1.19	1.23	1.05	1.07	0.28	0.13	0.27	0.65	0.47	0.46	1.24
Barataria Waterway at Lafitte (USACE82875)	1.41	1.48	1.38	1.38	1.30	0.44	0.44	0.25	0.75	0.64	1.04	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.67	0.21	0.03	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.75	0.59	0.01	0.01	0.02	0.06	0.06	0.16	0.11	0.24	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.73	0.33	0.11	0.02	0.03	0.05	0.08	0.11	0.06	0.18	0.39
USGS 07380335 - Little Lake Near Cutoff	0.71	0.81	0.40	0.28	0.13	0.06	0.12	0.25	0.28	0.16	0.19	0.57
USGS073802516 Barataria Pass at Grand Isle	0.60	0.74	0.27	0.13	0.04	0.01	0.03	0.11	0.14	0.03	0.13	0.42
HWQ14 - Lake Washington	0.42	0.66	0.37	0.01	0.01	0.02	0.07	0.08	0.15	0.09	0.17	0.26
HWQ16 - Bayou Grand Liard	0.82	0.89	0.79	0.76	0.75	0.49	0.56	0.58	0.51	0.33	0.20	0.74
CRMS 3985	0.54	0.86	0.83	0.06	0.03	0.07	0.18	0.21	0.34	0.30	0.39	0.19
CRMS 0258	0.80	0.82	0.58	0.23	0.01	0.00	0.00	0.00	0.04	0.01	0.46	0.83
CRMS 0224	0.68	0.80	0.34	0.20	0.03	0.01	0.01	0.01	0.07	0.01	0.26	0.60
CRMS 0163	1.35	1.42	1.25	1.26	1.15	1.22	0.59	0.27	1.28	1.19	1.38	1.27
CRMS 0162	1.30	1.31	1.24	1.21	1.14	1.25	1.41	1.30	1.10	0.81	1.15	1.25

V3PR8 HYST - cy 2 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.30	1.33	1.20	1.19	1.07	1.18	1.31	1.22	1.21	1.24	1.31	1.21
CRMS0276 - Just east of Wilkinson Canal	1.27	1.21	1.07	0.94	0.82	0.34	0.55	0.25	0.73	0.49	0.41	1.16
Barataria Waterway at Lafitte (USACE82875)	1.43	1.42	1.22	0.80	0.79	0.06	0.04	0.01	0.36	0.28	0.70	1.23
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.29	1.19	1.19	1.07	1.18	1.29	0.08	0.08	0.18	0.88	1.20
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.13	1.18	1.20	1.12	1.11	0.92	0.08	0.14	0.12	0.50	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.27	1.23	1.19	1.21	1.12	1.18	1.20	0.18	0.18	0.10	0.51	1.21
USGS 07380335 - Little Lake Near Cutoff	1.24	1.20	1.21	1.22	1.15	1.12	1.11	0.37	0.39	0.22	0.42	1.21
USGS073802516 Barataria Pass at Grand Isle	1.20	1.15	1.09	0.81	0.79	0.30	0.35	0.10	0.23	0.06	0.35	1.09
HWQ14 - Lake Washington	1.12	1.08	1.04	0.76	0.72	0.38	0.36	0.20	0.20	0.15	0.39	0.99
HWQ16 - Bayou Grand Liard	0.99	1.03	1.06	0.98	0.92	0.54	0.60	0.60	0.55	0.34	0.27	0.98
CRMS 3985	1.12	1.09	1.14	1.06	0.98	0.67	0.58	0.38	0.24	0.26	0.51	1.10
CRMS 0258	1.45	1.36	1.20	1.23	1.05	0.64	0.36	0.02	0.12	0.02	0.68	1.20
CRMS 0224	1.36	1.28	1.20	1.23	1.12	1.07	0.77	0.01	0.11	0.09	0.58	1.19
CRMS 0163	1.36	1.42	1.25	1.23	1.14	1.13	0.26	0.27	1.31	1.18	1.32	1.26
CRMS 0162	1.30	1.33	1.25	1.22	1.14	1.26	1.42	1.38	1.27	1.09	1.18	1.25

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.79	0.68	0.91	1.17	1.06	1.18	1.31	1.21	1.19	1.24	1.16	0.98
CRMS0276 - Just east of Wilkinson Canal	0.25	0.02	-0.16	-0.10	-0.26	0.05	0.42	-0.02	0.08	0.02	-0.05	-0.09
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.06	-0.16	-0.58	-0.50	-0.38	-0.40	-0.23	-0.39	-0.36	-0.34	-0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.60	0.62	0.98	1.16	1.07	1.18	1.29	0.07	0.06	0.17	0.70	0.88
USGS7380251 Barataria Bay North of Grand Isle	0.70	0.39	0.58	1.19	1.11	1.09	0.86	0.02	-0.02	0.01	0.26	0.95
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.68	0.50	0.87	1.10	1.10	1.15	1.15	0.09	0.07	0.05	0.33	0.82
USGS 07380335 - Little Lake Near Cutoff	0.54	0.39	0.81	0.94	1.02	1.06	0.99	0.13	0.11	0.06	0.23	0.65
USGS073802516 Barataria Pass at Grand Isle	0.61	0.41	0.82	0.67	0.74	0.28	0.32	-0.01	0.09	0.04	0.23	0.67
HWQ14 - Lake Washington	0.69	0.42	0.67	0.75	0.71	0.36	0.29	0.12	0.05	0.06	0.22	0.73
HWQ16 - Bayou Grand Liard	0.17	0.13	0.27	0.22	0.17	0.05	0.04	0.01	0.04	0.01	0.07	0.24
CRMS 3985	0.58	0.22	0.31	1.00	0.95	0.60	0.40	0.17	-0.10	-0.04	0.12	0.91
CRMS 0258	0.65	0.53	0.62	1.00	1.04	0.64	0.35	0.02	0.08	0.01	0.22	0.37
CRMS 0224	0.67	0.48	0.86	1.04	1.09	1.06	0.77	0.00	0.03	0.08	0.32	0.59
CRMS 0163	0.01	0.00	0.00	-0.03	-0.02	-0.09	-0.33	0.00	0.03	0.00	-0.06	-0.01
CRMS 0162	0.00	0.02	0.01	0.00	0.00	0.01	0.01	0.09	0.17	0.27	0.03	0.00

Figure WQ NO3 115 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.75	0.86	0.28	0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.25	0.28
CRMS0276 - Just east of Wilkinson Canal	1.18	1.32	1.29	0.89	0.54	0.26	0.18	0.26	0.68	0.49	1.03	1.31
Barataria Waterway at Lafitte (USACE82875)	1.36	1.46	1.35	1.33	0.67	0.37	0.26	0.11	1.08	0.71	1.42	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	0.75	0.88	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.24	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.73	0.87	0.51	0.01	0.01	0.02	0.08	0.14	0.18	0.10	0.24	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.78	0.89	0.37	0.09	0.01	0.02	0.05	0.07	0.12	0.05	0.29	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	0.97	0.47	0.22	0.04	0.04	0.14	0.17	0.28	0.15	0.42	0.75
USGS073802516 Barataria Pass at Grand Isle	0.79	0.89	0.35	0.10	0.01	0.01	0.04	0.05	0.14	0.02	0.24	0.57
HWQ14 - Lake Washington	0.65	0.79	0.36	0.01	0.01	0.02	0.07	0.15	0.18	0.06	0.15	0.41
HWQ16 - Bayou Grand Liard	0.98	1.05	0.92	0.67	0.51	0.41	0.46	0.14	0.45	0.28	0.58	0.94
CRMS 3985	0.78	0.95	0.72	0.03	0.04	0.07	0.20	0.41	0.43	0.32	0.33	0.67
CRMS 0258	0.94	1.07	0.58	0.12	0.00	0.00	0.00	0.00	0.03	0.02	0.65	0.92
CRMS 0224	0.84	0.98	0.31	0.14	0.00	0.01	0.01	0.01	0.10	0.01	0.40	0.71
CRMS 0163	1.24	1.31	1.19	1.24	1.34	0.91	0.16	0.26	1.39	1.16	1.34	1.20
CRMS 0162	1.21	1.27	1.19	1.20	1.25	1.16	1.36	0.89	0.97	0.79	1.26	1.19

V3PR9 HYST - cy 2 - 1985 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	0.82	0.27	0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.26	0.27
CRMS0276 - Just east of Wilkinson Canal	1.17	1.29	1.25	0.80	0.41	0.27	0.25	0.24	0.74	0.33	0.83	1.29
Barataria Waterway at Lafitte (USACE82875)	1.40	1.44	1.31	0.64	0.12	0.05	0.05	0.03	0.52	0.19	1.11	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.71	0.84	0.19	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.22	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.65	0.81	0.49	0.01	0.01	0.02	0.08	0.14	0.18	0.12	0.39	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	0.85	0.33	0.08	0.01	0.02	0.05	0.06	0.12	0.05	0.26	0.55
USGS 07380335 - Little Lake Near Cutoff	0.87	0.94	0.44	0.20	0.03	0.04	0.14	0.15	0.28	0.14	0.34	0.76
USGS073802516 Barataria Pass at Grand Isle	0.76	0.86	0.32	0.10	0.01	0.01	0.04	0.04	0.15	0.02	0.23	0.60
HWQ14 - Lake Washington	0.59	0.73	0.34	0.01	0.01	0.02	0.07	0.15	0.18	0.08	0.26	0.48
HWQ16 - Bayou Grand Liard	0.99	1.04	0.92	0.67	0.51	0.43	0.46	0.11	0.42	0.16	0.48	0.93
CRMS 3985	0.66	0.86	0.71	0.03	0.03	0.07	0.20	0.43	0.44	0.39	0.61	0.54
CRMS 0258	0.93	1.06	0.59	0.12	0.00	0.00	0.00	0.00	0.06	0.05	0.58	0.93
CRMS 0224	0.82	0.95	0.29	0.13	0.00	0.01	0.01	0.01	0.12	0.05	0.34	0.73
CRMS 0163	1.24	1.31	1.18	1.19	1.24	0.73	0.13	0.25	1.32	1.10	1.31	1.20
CRMS 0162	1.21	1.27	1.19	1.20	1.23	1.12	1.36	0.95	1.05	0.94	1.24	1.19

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.04	-0.05	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.03	-0.04	-0.09	-0.13	0.01	0.07	-0.02	0.07	-0.16	-0.20	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.03	-0.02	-0.04	-0.69	-0.55	-0.32	-0.21	-0.08	-0.57	-0.51	-0.30	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.04	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.08	-0.07	-0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.15	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.05	-0.04	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.03	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.03	-0.03	-0.01	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.09	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.04	-0.03	0.00	0.00	0.00	0.00	-0.01	0.01	0.00	-0.01	0.03
HWQ14 - Lake Washington	-0.06	-0.06	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.11	0.07
HWQ16 - Bayou Grand Liard	0.01	-0.01	0.00	0.00	0.00	0.01	0.00	-0.03	-0.03	-0.12	-0.10	-0.01
CRMS 3985	-0.12	-0.08	-0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.07	0.28	-0.14
CRMS 0258	-0.02	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.03	-0.08	0.00
CRMS 0224	-0.02	-0.03	-0.02	-0.01	0.00	0.00	0.00	0.00	0.03	0.03	-0.06	0.02
CRMS 0163	0.00	0.00	-0.01	-0.05	-0.10	-0.18	-0.03	-0.01	-0.07	-0.06	-0.04	0.00
CRMS 0162	0.00	0.00	0.00	-0.01	-0.02	-0.04	0.00	0.06	0.07	0.16	-0.02	0.00

Figure WQ NO3 116 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.83	0.88	0.27	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.28
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.27	0.90	0.61	0.20	0.14	0.26	0.54	0.37	0.49	1.15
Barataria Waterway at Lafitte (USACE82875)	1.39	1.36	1.35	1.34	0.89	0.13	0.27	0.17	0.74	0.48	1.10	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	0.87	0.21	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.29
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.47	0.01	0.01	0.02	0.05	0.12	0.14	0.07	0.25	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.91	0.38	0.09	0.01	0.02	0.04	0.07	0.10	0.04	0.14	0.47
USGS 07380335 - Little Lake Near Cutoff	0.82	0.98	0.50	0.21	0.06	0.03	0.10	0.20	0.25	0.12	0.14	0.57
USGS073802516 Barataria Pass at Grand Isle	0.79	0.92	0.37	0.10	0.02	0.01	0.02	0.06	0.12	0.02	0.11	0.46
HWQ14 - Lake Washington	0.81	0.86	0.35	0.01	0.01	0.02	0.05	0.11	0.15	0.05	0.16	0.49
HWQ16 - Bayou Grand Liard	0.82	1.06	0.93	0.68	0.58	0.37	0.42	0.30	0.43	0.21	0.20	0.67
CRMS 3985	1.03	1.00	0.57	0.02	0.03	0.06	0.13	0.41	0.38	0.25	0.45	0.90
CRMS 0258	0.88	1.02	0.59	0.11	0.00	0.00	0.02	0.00	0.03	0.00	0.37	0.76
CRMS 0224	0.80	0.97	0.35	0.13	0.01	0.01	0.01	0.01	0.08	0.01	0.23	0.58
CRMS 0163	1.32	1.22	1.19	1.24	1.25	0.66	0.20	0.26	1.25	1.01	1.37	1.33
CRMS 0162	1.29	1.21	1.19	1.20	1.23	1.10	1.39	0.96	0.72	0.46	1.16	1.30

V3PR9 HYST - cy 2 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.70	0.17	0.01	0.01	0.00	0.00	0.00	0.01	0.00	0.15	0.22
CRMS0276 - Just east of Wilkinson Canal	0.97	1.28	1.22	0.80	0.51	0.17	0.19	0.32	0.70	0.28	0.32	1.02
Barataria Waterway at Lafitte (USACE82875)	1.37	1.37	1.31	0.62	0.30	0.03	0.05	0.03	0.28	0.09	0.78	1.27
USGS2928590900040000 Barataria Waterway South of Lafitte	0.55	0.72	0.15	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.14	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.48	0.68	0.16	0.01	0.01	0.01	0.06	0.14	0.15	0.08	0.32	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.55	0.74	0.20	0.06	0.01	0.02	0.04	0.07	0.10	0.04	0.13	0.35
USGS 07380335 - Little Lake Near Cutoff	0.65	0.85	0.35	0.14	0.04	0.03	0.10	0.22	0.26	0.11	0.10	0.47
USGS073802516 Barataria Pass at Grand Isle	0.56	0.76	0.22	0.07	0.01	0.01	0.02	0.07	0.13	0.02	0.11	0.37
HWQ14 - Lake Washington	0.41	0.61	0.11	0.01	0.01	0.01	0.05	0.13	0.16	0.06	0.22	0.27
HWQ16 - Bayou Grand Liard	0.77	1.02	0.89	0.65	0.57	0.38	0.44	0.33	0.41	0.12	0.17	0.60
CRMS 3985	0.49	0.66	0.12	0.01	0.02	0.06	0.16	0.46	0.40	0.30	0.55	0.21
CRMS 0258	0.77	0.97	0.57	0.10	0.00	0.00	0.01	0.00	0.06	0.03	0.25	0.59
CRMS 0224	0.62	0.86	0.27	0.12	0.01	0.01	0.01	0.01	0.10	0.04	0.16	0.44
CRMS 0163	1.32	1.23	1.18	1.18	1.22	0.63	0.16	0.25	1.16	0.98	1.31	1.35
CRMS 0162	1.29	1.21	1.19	1.20	1.23	1.05	1.36	1.01	0.89	0.70	1.15	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.27	-0.17	-0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.07	-0.03	-0.05	-0.10	-0.10	-0.03	0.05	0.06	0.15	-0.08	-0.16	-0.13
Barataria Waterway at Lafitte (USACE82875)	-0.02	0.01	-0.03	-0.72	-0.59	-0.11	-0.22	-0.14	-0.45	-0.38	-0.32	-0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.22	-0.15	-0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.44	-0.25	-0.31	0.00	0.00	0.00	0.01	0.02	0.01	0.01	0.07	-0.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.26	-0.18	-0.18	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.12
USGS 07380335 - Little Lake Near Cutoff	-0.17	-0.13	-0.15	-0.07	-0.02	-0.01	0.00	0.02	0.00	-0.01	-0.05	-0.10
USGS073802516 Barataria Pass at Grand Isle	-0.23	-0.16	-0.16	-0.02	0.00	0.00	0.00	0.01	0.02	0.00	0.00	-0.08
HWQ14 - Lake Washington	-0.40	-0.25	-0.23	0.00	0.00	0.00	0.00	0.02	0.01	0.01	0.06	-0.22
HWQ16 - Bayou Grand Liard	-0.05	-0.04	-0.04	-0.03	-0.01	0.00	0.02	0.03	-0.02	-0.08	-0.03	-0.07
CRMS 3985	-0.54	-0.34	-0.45	0.00	-0.01	0.00	0.04	0.05	0.01	0.05	0.11	-0.70
CRMS 0258	-0.11	-0.05	-0.02	-0.01	0.00	0.00	0.00	0.00	0.03	0.02	-0.12	-0.17
CRMS 0224	-0.18	-0.11	-0.08	-0.02	0.00	0.00	0.00	0.00	0.02	0.03	-0.06	-0.14
CRMS 0163	0.00	0.01	-0.01	-0.06	-0.03	-0.04	-0.04	-0.01	-0.08	-0.03	-0.06	0.01
CRMS 0162	0.00	0.01	0.00	0.00	0.00	-0.05	-0.03	0.06	0.17	0.24	-0.02	0.02

Figure WQ NO3 117 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.83	0.26	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.21	0.27
CRMS0276 - Just east of Wilkinson Canal	0.90	1.25	1.13	0.93	0.71	0.35	0.10	0.15	0.36	0.46	0.87	1.13
Barataria Waterway at Lafitte (USACE82875)	1.37	1.41	1.45	1.34	1.09	0.41	0.06	0.02	0.36	0.96	1.35	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	0.69	0.79	0.19	0.03	0.01	0.00	0.00	0.00	0.01	0.00	0.20	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.92	0.64	0.01	0.01	0.02	0.12	0.08	0.12	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	0.85	0.40	0.07	0.01	0.02	0.04	0.04	0.08	0.04	0.26	0.47
USGS 07380335 - Little Lake Near Cutoff	0.74	0.90	0.45	0.20	0.04	0.03	0.08	0.09	0.15	0.11	0.35	0.61
USGS073802516 Barataria Pass at Grand Isle	0.73	0.86	0.37	0.10	0.02	0.01	0.01	0.02	0.07	0.02	0.22	0.47
HWQ14 - Lake Washington	0.79	0.84	0.47	0.01	0.01	0.01	0.07	0.06	0.13	0.04	0.18	0.47
HWQ16 - Bayou Grand Liard	0.73	0.98	0.79	0.67	0.56	0.39	0.21	0.06	0.19	0.13	0.44	0.73
CRMS 3985	1.03	1.00	0.88	0.04	0.04	0.11	0.39	0.36	0.32	0.37	0.39	0.88
CRMS 0258	0.71	0.92	0.36	0.17	0.00	0.00	0.00	0.00	0.04	0.08	0.56	0.80
CRMS 0224	0.71	0.88	0.29	0.15	0.01	0.01	0.01	0.01	0.05	0.03	0.36	0.59
CRMS 0163	1.35	1.32	1.38	1.39	1.38	0.72	0.09	0.20	0.74	1.33	1.38	1.36
CRMS 0162	1.31	1.28	1.31	1.23	1.21	1.00	0.92	0.34	0.15	1.03	1.27	1.33

V3PR9 HYST - cy 2 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.75	0.83	0.29	0.02	0.01	0.00	0.00	0.00	0.01	0.00	0.25	0.33
CRMS0276 - Just east of Wilkinson Canal	0.87	1.21	1.10	0.85	0.69	0.39	0.13	0.10	0.35	0.30	0.56	1.08
Barataria Waterway at Lafitte (USACE82875)	1.27	1.34	1.06	0.70	0.34	0.05	0.02	0.01	0.16	0.53	1.02	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.70	0.79	0.21	0.02	0.01	0.00	0.00	0.00	0.01	0.01	0.19	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.68	0.05	0.02	0.03	0.14	0.09	0.12	0.13	0.46	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.76	0.84	0.40	0.06	0.01	0.02	0.04	0.04	0.08	0.03	0.22	0.53
USGS 07380335 - Little Lake Near Cutoff	0.74	0.89	0.46	0.18	0.03	0.03	0.09	0.09	0.14	0.09	0.22	0.61
USGS073802516 Barataria Pass at Grand Isle	0.74	0.85	0.38	0.09	0.03	0.01	0.02	0.02	0.07	0.01	0.20	0.53
HWQ14 - Lake Washington	0.82	0.85	0.52	0.01	0.01	0.02	0.09	0.07	0.14	0.05	0.31	0.61
HWQ16 - Bayou Grand Liard	0.70	0.97	0.78	0.63	0.54	0.39	0.21	0.06	0.16	0.09	0.34	0.68
CRMS 3985	1.05	1.01	0.92	0.23	0.14	0.14	0.42	0.38	0.33	0.43	0.71	0.93
CRMS 0258	0.73	0.91	0.52	0.16	0.00	0.00	0.00	0.00	0.03	0.14	0.37	0.68
CRMS 0224	0.72	0.86	0.34	0.14	0.02	0.01	0.01	0.01	0.04	0.04	0.26	0.56
CRMS 0163	1.34	1.31	1.34	1.28	1.20	0.56	0.10	0.22	0.74	1.24	1.33	1.35
CRMS 0162	1.31	1.28	1.30	1.21	1.16	0.97	0.98	0.43	0.16	1.16	1.24	1.33

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.06
CRMS0276 - Just east of Wilkinson Canal	-0.03	-0.04	-0.03	-0.08	-0.02	0.04	0.04	-0.05	-0.01	-0.15	-0.31	-0.06
Barataria Waterway at Lafitte (USACE82875)	-0.09	-0.07	-0.38	-0.64	-0.75	-0.36	-0.04	-0.01	-0.20	-0.43	-0.33	-0.11
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	-0.01	0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.01	0.04	0.04	0.01	0.01	0.02	0.01	0.00	0.02	0.18	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	-0.04	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.02	-0.02	-0.01	0.00	0.01	0.00	-0.01	-0.02	-0.13	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.01	0.01	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.02	0.06
HWQ14 - Lake Washington	0.04	0.01	0.05	0.00	0.00	0.00	0.03	0.02	0.01	0.01	0.13	0.13
HWQ16 - Bayou Grand Liard	-0.03	-0.02	0.00	-0.04	-0.02	0.01	-0.01	0.00	-0.03	-0.04	-0.10	-0.05
CRMS 3985	0.02	0.00	0.05	0.19	0.10	0.02	0.03	0.02	0.01	0.06	0.32	0.04
CRMS 0258	0.01	-0.01	0.15	-0.01	0.00	0.00	0.00	0.00	-0.01	0.06	-0.19	-0.11
CRMS 0224	0.01	-0.02	0.05	-0.01	0.00	0.00	0.00	0.00	-0.01	0.01	-0.10	-0.03
CRMS 0163	-0.01	0.00	-0.04	-0.11	-0.19	-0.16	0.01	0.02	0.01	-0.10	-0.05	-0.01
CRMS 0162	0.00	0.00	-0.01	-0.03	-0.05	-0.04	0.05	0.09	0.01	0.13	-0.03	0.00

Figure WQ NO3 118 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.89	0.27	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	1.03	1.31	1.18	0.92	0.66	0.42	0.22	0.32	0.73	0.50	0.57	0.96
Barataria Waterway at Lafitte (USACE82875)	1.36	1.33	1.41	1.34	0.85	0.60	0.95	0.60	0.98	0.81	1.00	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.89	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.20	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.92	0.47	0.01	0.01	0.03	0.07	0.09	0.16	0.11	0.27	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	0.94	0.35	0.09	0.01	0.03	0.06	0.09	0.12	0.06	0.23	0.43
USGS 07380335 - Little Lake Near Cutoff	0.80	1.01	0.44	0.22	0.05	0.07	0.17	0.26	0.29	0.16	0.27	0.50
USGS073802516 Barataria Pass at Grand Isle	0.78	0.94	0.33	0.10	0.01	0.02	0.05	0.11	0.16	0.02	0.16	0.41
HWQ14 - Lake Washington	0.81	0.86	0.33	0.01	0.01	0.02	0.08	0.11	0.17	0.08	0.19	0.49
HWQ16 - Bayou Grand Liard	0.85	1.09	0.87	0.68	0.54	0.54	0.62	0.65	0.53	0.36	0.29	0.53
CRMS 3985	1.02	0.98	0.62	0.03	0.04	0.08	0.18	0.29	0.40	0.33	0.46	0.92
CRMS 0258	0.85	1.05	0.56	0.11	0.00	0.00	0.01	0.00	0.05	0.01	0.52	0.67
CRMS 0224	0.77	1.00	0.31	0.14	0.00	0.01	0.01	0.01	0.07	0.01	0.31	0.53
CRMS 0163	1.27	1.19	1.27	1.27	1.31	1.10	0.99	0.42	1.35	1.27	1.36	1.38
CRMS 0162	1.24	1.19	1.26	1.21	1.24	1.33	1.41	1.35	1.21	1.18	1.11	1.30

V3PR9 HYST - cy 2 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.68	0.81	0.25	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.12	0.18
CRMS0276 - Just east of Wilkinson Canal	0.91	1.29	1.04	0.78	0.54	0.34	0.20	0.33	0.75	0.50	0.34	0.52
Barataria Waterway at Lafitte (USACE82875)	1.32	1.36	1.05	0.61	0.17	0.06	0.10	0.04	0.46	0.33	0.74	0.91
USGS2928590900040000 Barataria Waterway South of Lafitte	0.62	0.80	0.18	0.01	0.01	0.00	0.00	0.00	0.02	0.00	0.17	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.75	0.84	0.47	0.01	0.01	0.04	0.17	0.06	0.14	0.12	0.11	0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.62	0.84	0.30	0.08	0.01	0.03	0.06	0.09	0.10	0.05	0.13	0.24
USGS 07380335 - Little Lake Near Cutoff	0.65	0.93	0.40	0.20	0.04	0.06	0.14	0.29	0.29	0.16	0.15	0.30
USGS073802516 Barataria Pass at Grand Isle	0.61	0.86	0.30	0.11	0.02	0.02	0.05	0.10	0.15	0.02	0.11	0.21
HWQ14 - Lake Washington	0.64	0.77	0.33	0.01	0.01	0.02	0.15	0.10	0.15	0.09	0.10	0.12
HWQ16 - Bayou Grand Liard	0.75	1.05	0.85	0.67	0.56	0.52	0.55	0.61	0.54	0.31	0.19	0.38
CRMS 3985	0.84	0.91	0.66	0.04	0.04	0.12	0.48	0.32	0.38	0.34	0.11	0.39
CRMS 0258	0.71	1.01	0.56	0.10	0.00	0.00	0.01	0.00	0.06	0.01	0.43	0.49
CRMS 0224	0.61	0.92	0.28	0.13	0.00	0.01	0.01	0.01	0.09	0.02	0.25	0.38
CRMS 0163	1.26	1.19	1.25	1.21	1.20	0.86	0.38	0.32	1.28	1.19	1.32	1.34
CRMS 0162	1.25	1.19	1.25	1.21	1.23	1.31	1.39	1.34	1.26	1.30	1.15	1.33

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.13	-0.09	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.08
CRMS0276 - Just east of Wilkinson Canal	-0.11	-0.02	-0.14	-0.14	-0.12	-0.08	-0.02	0.01	0.02	-0.01	-0.23	-0.45
Barataria Waterway at Lafitte (USACE82875)	-0.05	0.03	-0.36	-0.73	-0.69	-0.54	-0.85	-0.56	-0.52	-0.48	-0.26	-0.43
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.14	-0.09	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.16	-0.08	0.00	0.00	0.00	0.01	0.10	-0.03	-0.02	0.01	-0.16	-0.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.17	-0.09	-0.04	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	-0.09	-0.20
USGS 07380335 - Little Lake Near Cutoff	-0.15	-0.08	-0.04	-0.02	-0.01	-0.01	-0.02	0.03	0.00	0.00	-0.12	-0.20
USGS073802516 Barataria Pass at Grand Isle	-0.16	-0.08	-0.03	0.00	0.01	0.00	0.00	-0.01	-0.01	0.00	-0.05	-0.19
HWQ14 - Lake Washington	-0.16	-0.09	0.01	0.00	0.00	0.00	0.08	0.00	-0.02	0.01	-0.08	-0.37
HWQ16 - Bayou Grand Liard	-0.10	-0.04	-0.02	-0.01	0.02	-0.02	-0.07	-0.04	0.02	-0.04	-0.09	-0.15
CRMS 3985	-0.17	-0.07	0.04	0.01	0.00	0.03	0.30	0.03	-0.02	0.01	-0.35	-0.53
CRMS 0258	-0.14	-0.04	-0.01	-0.02	0.00	0.00	0.00	0.00	0.01	0.00	-0.09	-0.18
CRMS 0224	-0.16	-0.07	-0.04	-0.01	0.00	0.00	0.00	0.00	0.02	0.01	-0.06	-0.15
CRMS 0163	0.00	0.00	-0.02	-0.06	-0.11	-0.24	-0.61	-0.10	-0.07	-0.08	-0.04	-0.04
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.02	-0.01	0.05	0.12	0.04	0.02

Figure WQ NO3 119 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.51	0.65	0.29	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.15	0.23
CRMS0276 - Just east of Wilkinson Canal	1.02	1.19	1.23	1.05	1.07	0.28	0.13	0.27	0.65	0.47	0.46	1.24
Barataria Waterway at Lafitte (USACE82875)	1.41	1.48	1.38	1.38	1.30	0.44	0.44	0.25	0.75	0.64	1.04	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.58	0.67	0.21	0.03	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.75	0.59	0.01	0.01	0.02	0.06	0.06	0.16	0.11	0.24	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.59	0.73	0.33	0.11	0.02	0.03	0.05	0.08	0.11	0.06	0.18	0.39
USGS 07380335 - Little Lake Near Cutoff	0.71	0.81	0.40	0.28	0.13	0.06	0.12	0.25	0.28	0.16	0.19	0.57
USGS073802516 Barataria Pass at Grand Isle	0.60	0.74	0.27	0.13	0.04	0.01	0.03	0.11	0.14	0.03	0.13	0.42
HWQ14 - Lake Washington	0.42	0.66	0.37	0.01	0.01	0.02	0.07	0.08	0.15	0.09	0.17	0.26
HWQ16 - Bayou Grand Liard	0.82	0.89	0.79	0.76	0.75	0.49	0.56	0.58	0.51	0.33	0.20	0.74
CRMS 3985	0.54	0.86	0.83	0.06	0.03	0.07	0.18	0.21	0.34	0.30	0.39	0.19
CRMS 0258	0.80	0.82	0.58	0.23	0.01	0.00	0.00	0.00	0.04	0.01	0.46	0.83
CRMS 0224	0.68	0.80	0.34	0.20	0.03	0.01	0.01	0.01	0.07	0.01	0.26	0.60
CRMS 0163	1.35	1.42	1.25	1.26	1.15	1.22	0.59	0.27	1.28	1.19	1.38	1.27
CRMS 0162	1.30	1.31	1.24	1.21	1.14	1.25	1.41	1.30	1.10	0.81	1.15	1.25

V3PR9 HYST - cy 2 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.80	0.82	0.38	0.02	0.01	0.00	0.00	0.00	0.02	0.00	0.16	0.32
CRMS0276 - Just east of Wilkinson Canal	1.06	1.12	0.95	0.93	0.92	0.20	0.15	0.30	0.71	0.41	0.31	1.11
Barataria Waterway at Lafitte (USACE82875)	1.39	1.39	1.20	0.80	0.79	0.06	0.06	0.02	0.32	0.19	0.62	1.21
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	0.82	0.25	0.04	0.00	0.00	0.00	0.00	0.02	0.00	0.17	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.92	0.93	0.69	0.01	0.01	0.02	0.06	0.09	0.16	0.12	0.32	0.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.82	0.87	0.42	0.12	0.02	0.03	0.05	0.08	0.11	0.05	0.14	0.48
USGS 07380335 - Little Lake Near Cutoff	0.84	0.91	0.48	0.30	0.13	0.06	0.13	0.25	0.30	0.15	0.12	0.56
USGS073802516 Barataria Pass at Grand Isle	0.81	0.87	0.37	0.15	0.05	0.02	0.03	0.10	0.17	0.02	0.11	0.48
HWQ14 - Lake Washington	0.82	0.87	0.53	0.01	0.01	0.02	0.08	0.11	0.16	0.08	0.22	0.55
HWQ16 - Bayou Grand Liard	0.86	0.93	0.70	0.77	0.76	0.49	0.57	0.58	0.52	0.25	0.16	0.71
CRMS 3985	1.03	1.03	0.91	0.08	0.03	0.08	0.18	0.28	0.37	0.34	0.57	0.91
CRMS 0258	0.88	0.84	0.46	0.29	0.00	0.00	0.00	0.00	0.05	0.01	0.38	0.71
CRMS 0224	0.81	0.90	0.35	0.22	0.03	0.01	0.01	0.01	0.10	0.02	0.20	0.53
CRMS 0163	1.35	1.42	1.24	1.22	1.13	1.16	0.32	0.25	1.19	1.08	1.27	1.24
CRMS 0162	1.30	1.32	1.24	1.21	1.14	1.25	1.41	1.27	1.19	0.94	1.14	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.29	0.18	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09
CRMS0276 - Just east of Wilkinson Canal	0.04	-0.06	-0.28	-0.12	-0.15	-0.08	0.01	0.03	0.06	-0.06	-0.14	-0.14
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.09	-0.18	-0.57	-0.50	-0.38	-0.38	-0.23	-0.43	-0.45	-0.42	-0.21
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.15	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.43	0.19	0.10	0.00	0.00	0.00	0.00	0.03	0.00	0.01	0.09	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.23	0.14	0.09	0.01	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.04	0.09
USGS 07380335 - Little Lake Near Cutoff	0.14	0.10	0.08	0.03	0.00	0.00	0.01	0.00	0.02	-0.01	-0.07	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.21	0.13	0.10	0.02	0.01	0.00	0.00	-0.01	0.03	0.00	-0.02	0.06
HWQ14 - Lake Washington	0.40	0.21	0.16	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.05	0.29
HWQ16 - Bayou Grand Liard	0.04	0.03	-0.09	0.01	0.01	0.00	0.01	0.00	0.01	-0.07	-0.04	-0.03
CRMS 3985	0.48	0.16	0.08	0.02	0.00	0.01	0.01	0.07	0.03	0.04	0.19	0.72
CRMS 0258	0.08	0.02	-0.12	0.05	-0.01	0.00	0.00	0.00	0.01	0.00	-0.09	-0.12
CRMS 0224	0.13	0.09	0.01	0.03	0.00	0.00	0.00	0.00	0.03	0.01	-0.06	-0.07
CRMS 0163	0.00	0.00	-0.01	-0.04	-0.02	-0.06	-0.26	-0.02	-0.10	-0.11	-0.11	-0.03
CRMS 0162	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.02	0.09	0.13	-0.01	-0.02

Figure WQ NO3 120 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.88	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.01	0.21	0.26
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.23	1.22	0.96	0.82	0.18	0.22	0.55	0.50	0.92	1.08
Barataria Waterway at Lafitte (USACE82875)	1.33	1.37	1.45	1.35	1.38	1.16	0.42	0.16	0.84	1.04	1.32	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.95	0.25	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.25	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.63	0.86	0.47	0.03	0.01	0.03	0.07	0.12	0.14	0.13	0.40	0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.73	0.92	0.39	0.15	0.02	0.04	0.06	0.07	0.10	0.05	0.33	0.55
USGS 07380335 - Little Lake Near Cutoff	0.81	1.00	0.52	0.37	0.11	0.15	0.17	0.16	0.25	0.16	0.44	0.66
USGS073802516 Barataria Pass at Grand Isle	0.73	0.91	0.37	0.17	0.03	0.03	0.04	0.06	0.11	0.03	0.28	0.53
HWQ14 - Lake Washington	0.60	0.78	0.31	0.02	0.01	0.02	0.07	0.11	0.14	0.05	0.24	0.47
HWQ16 - Bayou Grand Liard	0.83	1.06	0.89	0.83	0.64	0.67	0.47	0.11	0.35	0.26	0.49	0.66
CRMS 3985	0.65	0.92	0.68	0.06	0.03	0.07	0.17	0.37	0.33	0.37	0.66	0.67
CRMS 0258	0.93	1.16	0.65	0.41	0.04	0.00	0.00	0.00	0.03	0.00	0.55	0.94
CRMS 0224	0.82	1.06	0.45	0.33	0.04	0.01	0.01	0.01	0.11	0.03	0.43	0.75
CRMS 0163	1.30	1.26	1.35	1.23	1.31	1.35	0.51	0.48	1.25	1.31	1.39	1.42
CRMS 0162	1.26	1.22	1.26	1.18	1.20	1.32	1.50	1.05	0.48	1.05	1.14	1.28

V3PR2 HYST - cy 3 - 2002 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.21	1.26	1.17	1.20	1.24	1.31	1.32	1.32	1.25	1.26	1.30
CRMS0276 - Just east of Wilkinson Canal	1.15	1.33	1.18	1.09	0.77	0.66	0.16	0.21	0.52	0.51	0.94	1.08
Barataria Waterway at Lafitte (USACE82875)	1.34	1.38	1.45	1.35	1.35	1.12	0.37	0.17	0.82	1.03	1.32	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.17	1.21	1.15	1.19	1.18	0.09	0.00	0.03	0.07	0.74	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.12	1.15	1.09	0.93	0.72	0.36	0.09	0.10	0.15	0.12	0.50	0.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.21	1.04	0.85	0.65	0.36	0.11	0.09	0.15	0.06	0.48	0.91
USGS 07380335 - Little Lake Near Cutoff	1.08	1.21	0.91	0.71	0.52	0.36	0.25	0.21	0.30	0.18	0.52	0.86
USGS073802516 Barataria Pass at Grand Isle	1.05	1.14	0.68	0.37	0.21	0.08	0.06	0.07	0.18	0.03	0.37	0.72
HWQ14 - Lake Washington	1.03	1.03	0.64	0.30	0.22	0.13	0.15	0.14	0.19	0.10	0.34	0.74
HWQ16 - Bayou Grand Liard	0.92	1.14	0.86	0.71	0.56	0.55	0.45	0.14	0.37	0.26	0.51	0.71
CRMS 3985	1.03	0.99	0.86	0.49	0.32	0.21	0.23	0.29	0.31	0.32	0.55	0.92
CRMS 0258	1.28	1.29	0.95	0.52	0.05	0.02	0.00	0.00	0.05	0.00	0.70	1.05
CRMS 0224	1.20	1.27	0.92	0.60	0.16	0.16	0.02	0.01	0.12	0.05	0.59	0.97
CRMS 0163	1.31	1.27	1.35	1.23	1.31	1.33	0.42	0.48	1.21	1.30	1.39	1.40
CRMS 0162	1.27	1.23	1.25	1.17	1.20	1.32	1.50	0.99	0.42	0.99	1.12	1.25

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.32	0.98	1.15	1.21	1.24	1.31	1.32	1.30	1.25	1.05	1.04
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	-0.04	-0.14	-0.19	-0.16	-0.02	-0.01	-0.03	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	-0.03	-0.05	-0.05	0.01	-0.02	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.39	0.22	0.95	1.08	1.19	1.18	0.08	0.00	0.02	0.07	0.49	0.72
USGS7380251 Barataria Bay North of Grand Isle	0.50	0.29	0.62	0.90	0.71	0.34	0.02	-0.01	0.02	-0.01	0.10	0.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.40	0.29	0.66	0.70	0.63	0.32	0.05	0.02	0.05	0.02	0.15	0.36
USGS 07380335 - Little Lake Near Cutoff	0.27	0.21	0.39	0.34	0.41	0.21	0.08	0.05	0.05	0.02	0.08	0.19
USGS073802516 Barataria Pass at Grand Isle	0.32	0.23	0.31	0.20	0.18	0.04	0.02	0.02	0.06	0.00	0.09	0.19
HWQ14 - Lake Washington	0.43	0.25	0.33	0.28	0.21	0.11	0.08	0.03	0.05	0.04	0.10	0.26
HWQ16 - Bayou Grand Liard	0.09	0.07	-0.03	-0.12	-0.08	-0.12	-0.01	0.03	0.02	0.00	0.02	0.05
CRMS 3985	0.38	0.07	0.18	0.43	0.29	0.14	0.06	-0.08	-0.03	-0.05	-0.10	0.25
CRMS 0258	0.34	0.13	0.29	0.12	0.01	0.02	0.00	0.00	0.02	0.00	0.15	0.11
CRMS 0224	0.38	0.20	0.46	0.27	0.12	0.15	0.01	0.00	0.01	0.02	0.16	0.22
CRMS 0163	0.01	0.01	0.00	0.00	0.01	-0.01	-0.09	0.00	-0.04	-0.01	0.00	-0.02
CRMS 0162	0.01	0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.07	-0.06	-0.06	-0.02	-0.03

Figure WQ NO3 121 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	1.02	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.17	0.33
CRMS0276 - Just east of Wilkinson Canal	1.08	1.33	1.33	1.06	0.82	0.32	0.16	0.28	0.61	0.40	0.58	1.15
Barataria Waterway at Lafitte (USACE82875)	1.35	1.35	1.33	1.36	1.26	0.47	0.58	0.45	1.10	0.72	1.11	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	1.07	0.27	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.18	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.99	0.38	0.02	0.01	0.02	0.07	0.14	0.15	0.09	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.03	0.44	0.13	0.02	0.03	0.05	0.08	0.11	0.04	0.14	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	1.09	0.62	0.29	0.11	0.07	0.13	0.21	0.27	0.14	0.13	0.64
USGS073802516 Barataria Pass at Grand Isle	0.84	1.01	0.44	0.13	0.04	0.02	0.03	0.07	0.12	0.02	0.12	0.51
HWQ14 - Lake Washington	0.85	0.94	0.30	0.02	0.01	0.02	0.06	0.12	0.14	0.05	0.19	0.47
HWQ16 - Bayou Grand Liard	0.84	1.10	1.00	0.74	0.67	0.41	0.38	0.21	0.41	0.20	0.21	0.68
CRMS 3985	1.06	1.00	0.44	0.03	0.03	0.07	0.17	0.43	0.36	0.29	0.58	0.94
CRMS 0258	1.05	1.22	0.72	0.34	0.05	0.00	0.00	0.00	0.03	0.00	0.33	0.92
CRMS 0224	0.93	1.14	0.54	0.26	0.05	0.01	0.01	0.01	0.10	0.02	0.21	0.70
CRMS 0163	1.31	1.23	1.19	1.24	1.26	1.11	0.76	0.65	1.39	1.05	1.37	1.34
CRMS 0162	1.28	1.21	1.19	1.19	1.22	1.41	1.52	1.25	0.72	0.44	1.04	1.26

V3PR2 HYST - cy 3 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.29	1.28	1.29	1.30	1.31	1.30	1.25
CRMS0276 - Just east of Wilkinson Canal	1.14	1.33	1.32	0.93	0.67	0.27	0.12	0.25	0.58	0.44	0.61	1.15
Barataria Waterway at Lafitte (USACE82875)	1.34	1.36	1.34	1.35	1.24	0.44	0.53	0.43	1.10	0.76	1.12	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.16	1.13	1.16	1.17	0.29	0.01	0.00	0.04	0.07	0.73	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.17	1.18	1.13	0.93	0.66	0.06	0.08	0.11	0.15	0.10	0.49	1.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.24	1.19	0.83	0.62	0.08	0.08	0.09	0.15	0.06	0.39	0.98
USGS 07380335 - Little Lake Near Cutoff	1.10	1.26	1.20	0.66	0.47	0.13	0.16	0.23	0.32	0.17	0.32	0.91
USGS073802516 Barataria Pass at Grand Isle	1.07	1.20	0.96	0.36	0.23	0.02	0.03	0.09	0.18	0.03	0.27	0.77
HWQ14 - Lake Washington	1.06	1.10	0.82	0.30	0.22	0.05	0.11	0.14	0.18	0.09	0.31	0.78
HWQ16 - Bayou Grand Liard	0.88	1.17	1.05	0.66	0.57	0.37	0.37	0.21	0.42	0.25	0.27	0.74
CRMS 3985	1.10	1.03	0.91	0.48	0.31	0.12	0.20	0.29	0.31	0.28	0.51	1.01
CRMS 0258	1.31	1.30	1.25	0.51	0.09	0.00	0.00	0.00	0.03	0.00	0.55	1.12
CRMS 0224	1.24	1.29	1.26	0.60	0.19	0.01	0.01	0.01	0.11	0.02	0.47	1.04
CRMS 0163	1.31	1.25	1.20	1.25	1.26	1.07	0.68	0.63	1.40	1.07	1.37	1.34
CRMS 0162	1.27	1.22	1.18	1.18	1.21	1.40	1.53	1.23	0.66	0.40	1.04	1.26

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.33	0.17	0.87	1.15	1.17	1.29	1.28	1.29	1.28	1.30	1.12	0.92
CRMS0276 - Just east of Wilkinson Canal	0.07	0.00	-0.01	-0.13	-0.15	-0.05	-0.04	-0.03	-0.03	0.04	0.04	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.01	-0.01	-0.02	-0.03	-0.05	-0.02	0.00	0.04	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.24	0.09	0.86	1.10	1.17	0.29	0.00	0.00	0.03	0.07	0.55	0.70
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.19	0.74	0.91	0.65	0.04	0.01	-0.03	0.01	0.01	0.15	0.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.21	0.75	0.70	0.60	0.04	0.03	0.01	0.05	0.02	0.25	0.45
USGS 07380335 - Little Lake Near Cutoff	0.23	0.17	0.58	0.37	0.36	0.06	0.03	0.02	0.05	0.03	0.20	0.27
USGS073802516 Barataria Pass at Grand Isle	0.24	0.18	0.52	0.24	0.19	0.00	0.00	0.02	0.06	0.01	0.15	0.26
HWQ14 - Lake Washington	0.20	0.17	0.52	0.28	0.21	0.03	0.05	0.03	0.04	0.04	0.12	0.31
HWQ16 - Bayou Grand Liard	0.04	0.07	0.04	-0.08	-0.10	-0.04	-0.01	0.00	0.01	0.04	0.07	0.07
CRMS 3985	0.04	0.03	0.47	0.45	0.28	0.05	0.03	-0.14	-0.05	-0.01	-0.07	0.06
CRMS 0258	0.26	0.08	0.53	0.17	0.04	0.00	0.00	0.00	0.01	0.00	0.23	0.20
CRMS 0224	0.31	0.15	0.71	0.34	0.13	0.00	0.00	0.00	0.01	0.01	0.26	0.33
CRMS 0163	0.00	0.01	0.00	0.00	0.00	-0.05	-0.09	-0.01	0.01	0.02	0.00	0.00
CRMS 0162	0.00	0.01	0.00	-0.01	-0.01	-0.01	0.00	-0.02	-0.06	-0.04	0.00	0.00

Figure WQ NO3 122 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.95	0.32	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.36
CRMS0276 - Just east of Wilkinson Canal	0.93	1.27	1.16	1.10	1.02	0.55	0.11	0.13	0.37	0.51	0.95	1.12
Barataria Waterway at Lafitte (USACE82875)	1.30	1.39	1.44	1.43	1.46	0.97	0.21	0.11	0.62	1.13	1.32	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	0.99	0.28	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.95	0.66	0.02	0.01	0.02	0.12	0.09	0.10	0.12	0.46	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.95	0.45	0.13	0.01	0.02	0.04	0.04	0.08	0.04	0.32	0.58
USGS 07380335 - Little Lake Near Cutoff	0.79	0.99	0.53	0.30	0.08	0.05	0.09	0.07	0.14	0.13	0.43	0.70
USGS073802516 Barataria Pass at Grand Isle	0.78	0.93	0.41	0.15	0.04	0.02	0.02	0.02	0.07	0.02	0.28	0.57
HWQ14 - Lake Washington	0.84	0.88	0.45	0.01	0.01	0.02	0.08	0.07	0.11	0.03	0.26	0.54
HWQ16 - Bayou Grand Liard	0.73	1.00	0.82	0.73	0.62	0.42	0.19	0.05	0.16	0.15	0.49	0.71
CRMS 3985	1.02	1.01	0.91	0.06	0.03	0.10	0.36	0.37	0.29	0.41	0.69	0.96
CRMS 0258	0.91	1.13	0.50	0.40	0.06	0.00	0.00	0.00	0.07	0.03	0.63	0.90
CRMS 0224	0.83	1.05	0.45	0.30	0.06	0.01	0.01	0.01	0.06	0.04	0.46	0.73
CRMS 0163	1.33	1.32	1.38	1.40	1.42	1.28	0.24	0.47	0.80	1.35	1.37	1.36
CRMS 0162	1.27	1.26	1.24	1.15	1.10	1.16	1.11	0.49	0.20	0.91	1.18	1.30

V3PR2 HYST - cy 3 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.26	1.31	1.24	1.28	1.33	1.38	1.36	1.32	1.26	1.26	1.29
CRMS0276 - Just east of Wilkinson Canal	0.93	1.25	1.11	1.04	0.87	0.46	0.10	0.13	0.35	0.49	0.95	1.15
Barataria Waterway at Lafitte (USACE82875)	1.31	1.39	1.46	1.43	1.44	0.93	0.25	0.11	0.64	1.14	1.33	1.44
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.20	1.09	0.56	0.78	0.01	0.01	0.00	0.02	0.06	0.68	1.00
USGS7380251 Barataria Bay North of Grand Isle	0.64	1.06	0.89	0.45	0.33	0.03	0.08	0.10	0.11	0.10	0.51	0.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	1.08	0.73	0.41	0.27	0.04	0.06	0.06	0.11	0.04	0.46	0.77
USGS 07380335 - Little Lake Near Cutoff	0.76	1.05	0.62	0.45	0.23	0.08	0.12	0.11	0.19	0.13	0.50	0.80
USGS073802516 Barataria Pass at Grand Isle	0.69	0.96	0.48	0.27	0.03	0.02	0.02	0.04	0.11	0.02	0.35	0.64
HWQ14 - Lake Washington	0.57	0.87	0.46	0.18	0.05	0.02	0.08	0.15	0.15	0.06	0.31	0.50
HWQ16 - Bayou Grand Liard	0.70	0.99	0.79	0.70	0.51	0.41	0.19	0.06	0.21	0.15	0.51	0.75
CRMS 3985	0.55	0.93	0.77	0.32	0.11	0.07	0.18	0.32	0.27	0.32	0.48	0.29
CRMS 0258	1.02	1.18	0.45	0.39	0.02	0.00	0.00	0.00	0.07	0.05	0.69	1.02
CRMS 0224	0.87	1.14	0.55	0.39	0.04	0.01	0.01	0.01	0.06	0.03	0.55	0.89
CRMS 0163	1.34	1.32	1.40	1.40	1.42	1.26	0.27	0.45	0.80	1.35	1.39	1.39
CRMS 0162	1.25	1.26	1.25	1.16	1.10	1.25	1.06	0.49	0.19	0.84	1.19	1.33

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.46	0.31	0.99	1.21	1.28	1.32	1.37	1.35	1.30	1.25	0.98	0.92
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.02	-0.06	-0.06	-0.16	-0.08	-0.01	0.01	-0.02	-0.02	0.01	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.02	0.00	-0.01	-0.04	0.04	-0.01	0.02	0.01	0.01	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.21	0.81	0.48	0.78	0.00	0.00	0.00	0.01	0.05	0.40	0.59
USGS7380251 Barataria Bay North of Grand Isle	-0.28	0.10	0.24	0.42	0.32	0.01	-0.05	0.02	0.00	-0.02	0.05	-0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.06	0.13	0.28	0.28	0.26	0.02	0.02	0.02	0.03	0.01	0.13	0.19
USGS 07380335 - Little Lake Near Cutoff	-0.03	0.06	0.09	0.15	0.15	0.03	0.03	0.04	0.05	0.00	0.07	0.11
USGS073802516 Barataria Pass at Grand Isle	-0.09	0.03	0.07	0.12	-0.01	0.00	0.01	0.01	0.04	0.00	0.07	0.07
HWQ14 - Lake Washington	-0.27	-0.02	0.01	0.17	0.04	0.01	0.00	0.08	0.04	0.03	0.06	-0.04
HWQ16 - Bayou Grand Liard	-0.03	-0.01	-0.03	-0.04	-0.12	-0.01	0.00	0.00	0.06	0.00	0.02	0.04
CRMS 3985	-0.47	-0.07	-0.14	0.25	0.08	-0.03	-0.18	-0.04	-0.02	-0.09	-0.21	-0.68
CRMS 0258	0.11	0.04	-0.04	-0.02	-0.04	0.00	0.00	0.00	0.00	0.03	0.07	0.12
CRMS 0224	0.04	0.09	0.09	0.09	-0.02	0.00	0.00	0.00	0.00	-0.01	0.09	0.17
CRMS 0163	0.01	0.00	0.02	0.00	0.00	-0.02	0.04	-0.02	0.00	0.01	0.01	0.03
CRMS 0162	-0.02	0.00	0.01	0.00	0.01	0.09	-0.06	0.00	-0.01	-0.07	0.01	0.03

Figure WQ NO3 123 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	1.01	0.27	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.15	0.28
CRMS0276 - Just east of Wilkinson Canal	1.03	1.33	1.25	1.08	0.97	0.73	0.40	0.41	0.84	0.54	0.78	1.00
Barataria Waterway at Lafitte (USACE82875)	1.31	1.31	1.41	1.38	1.29	1.07	1.24	0.96	1.35	1.03	1.09	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	1.06	0.25	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.97	0.43	0.02	0.01	0.03	0.07	0.11	0.13	0.10	0.16	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.80	1.04	0.40	0.13	0.02	0.04	0.07	0.09	0.12	0.05	0.25	0.40
USGS 07380335 - Little Lake Near Cutoff	0.81	1.10	0.54	0.29	0.10	0.13	0.21	0.27	0.32	0.18	0.35	0.52
USGS073802516 Barataria Pass at Grand Isle	0.77	1.02	0.40	0.13	0.02	0.03	0.07	0.13	0.15	0.02	0.19	0.36
HWQ14 - Lake Washington	0.78	0.92	0.30	0.02	0.01	0.02	0.07	0.12	0.15	0.06	0.12	0.25
HWQ16 - Bayou Grand Liard	0.83	1.12	0.93	0.74	0.61	0.61	0.64	0.59	0.54	0.36	0.39	0.53
CRMS 3985	1.00	0.98	0.57	0.05	0.04	0.08	0.16	0.34	0.34	0.30	0.21	0.78
CRMS 0258	0.96	1.23	0.63	0.33	0.03	0.00	0.01	0.00	0.07	0.00	0.53	0.79
CRMS 0224	0.84	1.15	0.47	0.26	0.03	0.01	0.01	0.01	0.10	0.01	0.36	0.61
CRMS 0163	1.27	1.20	1.28	1.28	1.34	1.38	1.35	1.08	1.45	1.31	1.39	1.38
CRMS 0162	1.24	1.19	1.24	1.18	1.17	1.35	1.43	1.42	1.20	1.08	1.01	1.20

V3PR2 HYST - cy 3 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.31	1.29	1.27	1.27	1.34	1.33
CRMS0276 - Just east of Wilkinson Canal	1.11	1.34	1.20	0.98	0.76	0.56	0.27	0.30	0.87	0.58	0.81	1.04
Barataria Waterway at Lafitte (USACE82875)	1.33	1.32	1.41	1.37	1.23	1.00	1.15	0.87	1.41	1.07	1.06	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.15	1.14	1.18	1.18	1.18	1.21	1.20	0.53	0.04	0.07	0.79	1.06
USGS7380251 Barataria Bay North of Grand Isle	0.96	1.12	1.13	0.87	0.67	0.31	0.45	0.19	0.14	0.11	0.47	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.21	1.15	0.77	0.58	0.28	0.33	0.19	0.19	0.09	0.50	0.81
USGS 07380335 - Little Lake Near Cutoff	1.00	1.23	1.08	0.60	0.49	0.28	0.39	0.40	0.42	0.25	0.52	0.79
USGS073802516 Barataria Pass at Grand Isle	0.89	1.14	0.79	0.36	0.15	0.06	0.15	0.19	0.23	0.06	0.38	0.66
HWQ14 - Lake Washington	0.72	0.99	0.69	0.30	0.18	0.10	0.23	0.24	0.19	0.11	0.35	0.63
HWQ16 - Bayou Grand Liard	0.87	1.17	0.91	0.63	0.51	0.48	0.51	0.54	0.57	0.39	0.45	0.64
CRMS 3985	0.69	0.93	0.85	0.46	0.29	0.19	0.28	0.28	0.21	0.24	0.44	0.46
CRMS 0258	1.26	1.31	1.14	0.49	0.02	0.01	0.03	0.00	0.09	0.00	0.76	1.08
CRMS 0224	1.17	1.28	1.14	0.58	0.09	0.06	0.15	0.03	0.13	0.06	0.63	0.92
CRMS 0163	1.28	1.20	1.29	1.28	1.34	1.34	1.28	0.97	1.48	1.33	1.36	1.41
CRMS 0162	1.26	1.20	1.22	1.18	1.15	1.36	1.44	1.45	1.19	1.10	0.99	1.21

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.15	0.95	1.20	1.23	1.27	1.31	1.28	1.24	1.27	1.19	1.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.01	-0.05	-0.10	-0.21	-0.17	-0.13	-0.10	0.02	0.04	0.03	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.01	-0.05	-0.08	-0.09	-0.09	0.06	0.05	-0.04	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.29	0.07	0.93	1.14	1.18	1.21	1.20	0.53	0.01	0.07	0.57	0.69
USGS7380251 Barataria Bay North of Grand Isle	0.07	0.15	0.70	0.85	0.66	0.28	0.38	0.08	0.01	0.01	0.31	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.24	0.17	0.75	0.65	0.56	0.24	0.26	0.10	0.07	0.04	0.25	0.42
USGS 07380335 - Little Lake Near Cutoff	0.19	0.13	0.53	0.31	0.39	0.15	0.18	0.13	0.10	0.07	0.17	0.27
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.39	0.23	0.13	0.03	0.08	0.07	0.08	0.04	0.19	0.30
HWQ14 - Lake Washington	-0.06	0.07	0.39	0.28	0.17	0.08	0.16	0.12	0.05	0.06	0.23	0.38
HWQ16 - Bayou Grand Liard	0.05	0.05	-0.02	-0.11	-0.10	-0.12	-0.12	-0.05	0.03	0.03	0.06	0.11
CRMS 3985	-0.31	-0.05	0.28	0.41	0.25	0.11	0.12	-0.06	-0.13	-0.06	0.23	-0.31
CRMS 0258	0.30	0.08	0.51	0.17	-0.01	0.00	0.03	0.00	0.02	0.00	0.23	0.29
CRMS 0224	0.33	0.12	0.67	0.32	0.07	0.06	0.13	0.02	0.03	0.05	0.27	0.32
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.04	-0.07	-0.10	0.04	0.02	-0.03	0.03
CRMS 0162	0.01	0.00	-0.01	0.00	-0.01	0.01	0.01	0.03	0.00	0.02	-0.02	0.01

Figure WQ NO3 124 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.91	0.87	0.34	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.35
CRMS0276 - Just east of Wilkinson Canal	1.13	1.24	1.28	1.23	1.18	0.42	0.19	0.30	0.74	0.50	0.62	1.25
Barataria Waterway at Lafitte (USACE82875)	1.38	1.48	1.38	1.38	1.28	0.89	0.85	0.53	1.18	0.85	1.05	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.95	0.98	0.40	0.15	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.43
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.75	0.51	0.06	0.01	0.02	0.06	0.08	0.13	0.09	0.29	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.91	0.94	0.40	0.20	0.03	0.04	0.06	0.08	0.10	0.05	0.19	0.55
USGS 07380335 - Little Lake Near Cutoff	0.93	0.99	0.56	0.39	0.21	0.10	0.15	0.25	0.29	0.17	0.21	0.68
USGS073802516 Barataria Pass at Grand Isle	0.88	0.93	0.32	0.20	0.08	0.02	0.04	0.11	0.13	0.03	0.15	0.55
HWQ14 - Lake Washington	0.86	0.81	0.26	0.03	0.01	0.02	0.07	0.08	0.14	0.06	0.17	0.47
HWQ16 - Bayou Grand Liard	0.90	0.98	0.86	0.84	0.81	0.54	0.57	0.52	0.50	0.33	0.24	0.76
CRMS 3985	0.97	0.70	0.76	0.09	0.03	0.06	0.15	0.24	0.32	0.27	0.49	0.94
CRMS 0258	1.08	1.14	0.96	0.53	0.13	0.00	0.00	0.00	0.04	0.00	0.43	0.93
CRMS 0224	0.98	1.06	0.63	0.41	0.12	0.01	0.01	0.01	0.08	0.01	0.28	0.72
CRMS 0163	1.36	1.44	1.25	1.27	1.13	1.28	1.21	0.76	1.43	1.26	1.36	1.26
CRMS 0162	1.28	1.24	1.22	1.20	1.11	1.27	1.44	1.43	1.12	0.83	1.01	1.23

V3PR2 HYST - cy 3 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.33	1.20	1.19	1.06	1.18	1.31	1.27	1.27	1.30	1.33	1.20
CRMS0276 - Just east of Wilkinson Canal	1.22	1.22	1.26	1.13	1.07	0.37	0.20	0.25	0.78	0.51	0.65	1.24
Barataria Waterway at Lafitte (USACE82875)	1.38	1.45	1.38	1.39	1.30	0.87	0.70	0.49	1.21	0.87	1.07	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.27	1.16	1.17	1.06	1.17	1.17	0.00	0.04	0.08	0.80	1.16
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.10	1.15	1.00	0.82	0.20	0.30	0.08	0.15	0.12	0.46	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.16	1.18	0.95	0.77	0.25	0.25	0.13	0.17	0.08	0.44	1.18
USGS 07380335 - Little Lake Near Cutoff	1.14	1.14	1.15	0.82	0.69	0.23	0.32	0.35	0.38	0.22	0.42	1.11
USGS073802516 Barataria Pass at Grand Isle	1.10	1.09	0.96	0.45	0.33	0.05	0.10	0.10	0.22	0.05	0.31	0.96
HWQ14 - Lake Washington	1.05	1.05	0.89	0.38	0.28	0.09	0.20	0.19	0.18	0.12	0.32	0.85
HWQ16 - Bayou Grand Liard	0.95	1.01	0.96	0.81	0.74	0.44	0.48	0.49	0.53	0.35	0.31	0.87
CRMS 3985	1.04	1.06	1.08	0.60	0.39	0.17	0.25	0.24	0.23	0.28	0.38	0.99
CRMS 0258	1.42	1.30	1.24	0.69	0.17	0.02	0.02	0.00	0.06	0.00	0.67	1.23
CRMS 0224	1.28	1.24	1.21	0.77	0.34	0.06	0.08	0.01	0.12	0.05	0.56	1.19
CRMS 0163	1.35	1.41	1.26	1.28	1.14	1.28	1.06	0.70	1.44	1.26	1.37	1.27
CRMS 0162	1.27	1.20	1.21	1.19	1.12	1.27	1.44	1.45	1.07	0.75	1.01	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.46	0.85	1.11	1.06	1.18	1.30	1.27	1.24	1.30	1.16	0.85
CRMS0276 - Just east of Wilkinson Canal	0.09	-0.01	-0.02	-0.10	-0.11	-0.04	0.01	-0.05	0.04	0.01	0.02	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.03	0.00	0.00	0.02	-0.02	-0.15	-0.04	0.03	0.02	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.25	0.29	0.76	1.02	1.06	1.17	1.17	0.00	0.02	0.07	0.59	0.73
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.36	0.64	0.94	0.81	0.18	0.24	0.01	0.02	0.03	0.17	0.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.27	0.23	0.78	0.75	0.73	0.22	0.19	0.05	0.07	0.03	0.26	0.62
USGS 07380335 - Little Lake Near Cutoff	0.21	0.15	0.59	0.43	0.48	0.13	0.17	0.10	0.09	0.05	0.21	0.43
USGS073802516 Barataria Pass at Grand Isle	0.22	0.16	0.64	0.25	0.25	0.02	0.06	-0.01	0.09	0.02	0.16	0.41
HWQ14 - Lake Washington	0.19	0.24	0.63	0.36	0.27	0.07	0.13	0.11	0.05	0.06	0.15	0.38
HWQ16 - Bayou Grand Liard	0.05	0.03	0.10	-0.03	-0.07	-0.10	-0.09	-0.03	0.03	0.02	0.07	0.11
CRMS 3985	0.07	0.37	0.32	0.51	0.36	0.11	0.10	0.00	-0.09	0.01	-0.11	0.05
CRMS 0258	0.34	0.16	0.28	0.16	0.05	0.02	0.02	0.00	0.02	0.00	0.24	0.30
CRMS 0224	0.31	0.18	0.58	0.35	0.23	0.05	0.08	0.00	0.03	0.04	0.28	0.47
CRMS 0163	-0.02	-0.03	0.01	0.01	0.02	0.00	-0.15	-0.06	0.01	0.00	0.02	0.01
CRMS 0162	-0.01	-0.04	-0.01	0.00	0.01	0.00	0.00	0.02	-0.04	-0.08	0.00	0.00

Figure WQ NO3 125 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.88	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.01	0.21	0.26
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.23	1.22	0.96	0.82	0.18	0.22	0.55	0.50	0.92	1.08
Barataria Waterway at Lafitte (USACE82875)	1.33	1.37	1.45	1.35	1.38	1.16	0.42	0.16	0.84	1.04	1.32	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.95	0.25	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.25	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.63	0.86	0.47	0.03	0.01	0.03	0.07	0.12	0.14	0.13	0.40	0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.73	0.92	0.39	0.15	0.02	0.04	0.06	0.07	0.10	0.05	0.33	0.55
USGS 07380335 - Little Lake Near Cutoff	0.81	1.00	0.52	0.37	0.11	0.15	0.17	0.16	0.25	0.16	0.44	0.66
USGS073802516 Barataria Pass at Grand Isle	0.73	0.91	0.37	0.17	0.03	0.03	0.04	0.06	0.11	0.03	0.28	0.53
HWQ14 - Lake Washington	0.60	0.78	0.31	0.02	0.01	0.02	0.07	0.11	0.14	0.05	0.24	0.47
HWQ16 - Bayou Grand Liard	0.83	1.06	0.89	0.83	0.64	0.67	0.47	0.11	0.35	0.26	0.49	0.66
CRMS 3985	0.65	0.92	0.68	0.06	0.03	0.07	0.17	0.37	0.33	0.37	0.66	0.67
CRMS 0258	0.93	1.16	0.65	0.41	0.04	0.00	0.00	0.00	0.03	0.00	0.55	0.94
CRMS 0224	0.82	1.06	0.45	0.33	0.04	0.01	0.01	0.01	0.11	0.03	0.43	0.75
CRMS 0163	1.30	1.26	1.35	1.23	1.31	1.35	0.51	0.48	1.25	1.31	1.39	1.42
CRMS 0162	1.26	1.22	1.26	1.18	1.20	1.32	1.50	1.05	0.48	1.05	1.14	1.28

V3PR3 HYST - cy 3 - 2002 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.21	1.26	1.17	1.20	1.24	1.35	1.37	1.35	1.27	1.28	1.31
CRMS0276 - Just east of Wilkinson Canal	1.14	1.34	1.19	1.09	0.78	0.66	0.16	0.22	0.52	0.51	0.94	1.08
Barataria Waterway at Lafitte (USACE82875)	1.33	1.38	1.45	1.35	1.36	1.12	0.38	0.19	0.84	1.06	1.33	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.18	1.23	1.15	1.19	1.20	0.11	0.00	0.04	0.09	0.77	1.11
USGS7380251 Barataria Bay North of Grand Isle	1.12	1.15	1.08	0.93	0.73	0.36	0.09	0.10	0.15	0.12	0.49	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.13	1.21	1.04	0.85	0.64	0.36	0.12	0.09	0.15	0.06	0.47	0.90
USGS 07380335 - Little Lake Near Cutoff	1.07	1.21	0.91	0.70	0.51	0.35	0.25	0.22	0.31	0.18	0.52	0.85
USGS073802516 Barataria Pass at Grand Isle	1.04	1.13	0.68	0.37	0.21	0.08	0.06	0.07	0.18	0.03	0.36	0.71
HWQ14 - Lake Washington	1.03	1.03	0.64	0.29	0.22	0.13	0.15	0.14	0.19	0.10	0.34	0.73
HWQ16 - Bayou Grand Liard	0.89	1.14	0.87	0.71	0.56	0.55	0.46	0.17	0.37	0.25	0.51	0.70
CRMS 3985	1.02	0.99	0.85	0.49	0.32	0.21	0.22	0.28	0.30	0.32	0.55	0.91
CRMS 0258	1.28	1.29	0.97	0.53	0.06	0.03	0.00	0.00	0.05	0.00	0.70	1.03
CRMS 0224	1.19	1.27	0.92	0.60	0.16	0.16	0.02	0.01	0.12	0.04	0.58	0.96
CRMS 0163	1.31	1.27	1.35	1.23	1.31	1.33	0.43	0.52	1.24	1.31	1.39	1.40
CRMS 0162	1.27	1.23	1.25	1.17	1.19	1.32	1.50	1.01	0.41	0.91	1.13	1.25

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.32	0.98	1.15	1.21	1.24	1.35	1.37	1.33	1.26	1.07	1.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.01	-0.04	-0.13	-0.18	-0.16	-0.02	0.00	-0.03	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.00	0.00	-0.02	-0.04	-0.05	0.03	0.00	0.02	0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.40	0.23	0.97	1.09	1.19	1.20	0.10	0.00	0.02	0.08	0.52	0.74
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.29	0.61	0.91	0.72	0.33	0.02	-0.01	0.01	0.00	0.09	0.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.29	0.65	0.69	0.62	0.32	0.05	0.02	0.05	0.02	0.14	0.35
USGS 07380335 - Little Lake Near Cutoff	0.26	0.21	0.40	0.34	0.40	0.21	0.08	0.06	0.06	0.02	0.08	0.19
USGS073802516 Barataria Pass at Grand Isle	0.31	0.23	0.30	0.20	0.18	0.04	0.02	0.02	0.07	0.01	0.08	0.18
HWQ14 - Lake Washington	0.43	0.25	0.33	0.28	0.21	0.11	0.08	0.03	0.05	0.05	0.09	0.26
HWQ16 - Bayou Grand Liard	0.06	0.07	-0.02	-0.12	-0.09	-0.12	-0.01	0.06	0.03	-0.01	0.02	0.04
CRMS 3985	0.37	0.07	0.18	0.43	0.29	0.14	0.05	-0.09	-0.04	-0.05	-0.11	0.25
CRMS 0258	0.35	0.13	0.32	0.12	0.02	0.03	0.00	0.00	0.02	0.00	0.15	0.09
CRMS 0224	0.37	0.20	0.47	0.27	0.12	0.15	0.01	0.00	0.01	0.01	0.15	0.21
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.01	-0.08	0.04	-0.01	0.00	0.00	-0.02
CRMS 0162	0.00	0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.04	-0.08	-0.14	-0.01	-0.03

Figure WQ NO3 126 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	1.02	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.17	0.33
CRMS0276 - Just east of Wilkinson Canal	1.08	1.33	1.33	1.06	0.82	0.32	0.16	0.28	0.61	0.40	0.58	1.15
Barataria Waterway at Lafitte (USACE82875)	1.35	1.35	1.33	1.36	1.26	0.47	0.58	0.45	1.10	0.72	1.11	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	1.07	0.27	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.18	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.99	0.38	0.02	0.01	0.02	0.07	0.14	0.15	0.09	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.03	0.44	0.13	0.02	0.03	0.05	0.08	0.11	0.04	0.14	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	1.09	0.62	0.29	0.11	0.07	0.13	0.21	0.27	0.14	0.13	0.64
USGS073802516 Barataria Pass at Grand Isle	0.84	1.01	0.44	0.13	0.04	0.02	0.03	0.07	0.12	0.02	0.12	0.51
HWQ14 - Lake Washington	0.85	0.94	0.30	0.02	0.01	0.02	0.06	0.12	0.14	0.05	0.19	0.47
HWQ16 - Bayou Grand Liard	0.84	1.10	1.00	0.74	0.67	0.41	0.38	0.21	0.41	0.20	0.21	0.68
CRMS 3985	1.06	1.00	0.44	0.03	0.03	0.07	0.17	0.43	0.36	0.29	0.58	0.94
CRMS 0258	1.05	1.22	0.72	0.34	0.05	0.00	0.00	0.00	0.03	0.00	0.33	0.92
CRMS 0224	0.93	1.14	0.54	0.26	0.05	0.01	0.01	0.01	0.10	0.02	0.21	0.70
CRMS 0163	1.31	1.23	1.19	1.24	1.26	1.11	0.76	0.65	1.39	1.05	1.37	1.34
CRMS 0162	1.28	1.21	1.19	1.19	1.22	1.41	1.52	1.25	0.72	0.44	1.04	1.26

V3PR3 HYST - cy 3 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.31	1.33	1.34	1.34	1.33	1.31	1.26
CRMS0276 - Just east of Wilkinson Canal	1.15	1.34	1.32	0.93	0.68	0.27	0.12	0.26	0.58	0.44	0.64	1.16
Barataria Waterway at Lafitte (USACE82875)	1.35	1.36	1.34	1.35	1.24	0.44	0.55	0.45	1.12	0.76	1.13	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.17	1.14	1.16	1.17	0.30	0.01	0.01	0.05	0.09	0.77	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.14	1.16	1.12	0.94	0.67	0.06	0.08	0.11	0.15	0.10	0.48	0.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.23	1.19	0.82	0.60	0.08	0.08	0.09	0.15	0.06	0.38	0.97
USGS 07380335 - Little Lake Near Cutoff	1.09	1.25	1.19	0.65	0.47	0.13	0.16	0.23	0.32	0.17	0.33	0.90
USGS073802516 Barataria Pass at Grand Isle	1.05	1.18	0.94	0.36	0.22	0.02	0.03	0.09	0.18	0.03	0.26	0.76
HWQ14 - Lake Washington	1.02	1.06	0.79	0.30	0.22	0.05	0.11	0.14	0.18	0.09	0.30	0.75
HWQ16 - Bayou Grand Liard	0.89	1.16	1.04	0.65	0.57	0.37	0.37	0.22	0.41	0.25	0.29	0.76
CRMS 3985	1.06	0.96	0.88	0.48	0.30	0.12	0.20	0.28	0.30	0.28	0.51	0.91
CRMS 0258	1.31	1.31	1.25	0.52	0.09	0.00	0.00	0.00	0.03	0.00	0.56	1.14
CRMS 0224	1.23	1.29	1.26	0.60	0.18	0.01	0.01	0.01	0.11	0.02	0.47	1.04
CRMS 0163	1.32	1.25	1.20	1.24	1.26	1.08	0.71	0.66	1.40	1.09	1.37	1.34
CRMS 0162	1.28	1.22	1.18	1.19	1.21	1.39	1.53	1.23	0.66	0.43	1.04	1.27

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.34	0.17	0.87	1.15	1.17	1.31	1.32	1.33	1.32	1.32	1.14	0.93
CRMS0276 - Just east of Wilkinson Canal	0.07	0.01	-0.01	-0.13	-0.15	-0.04	-0.04	-0.03	-0.03	0.04	0.06	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.00	-0.01	-0.01	-0.03	-0.03	0.01	0.02	0.05	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.26	0.10	0.86	1.10	1.17	0.30	0.01	0.00	0.03	0.08	0.59	0.72
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.17	0.73	0.92	0.66	0.04	0.01	-0.03	0.00	0.01	0.14	0.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.27	0.20	0.74	0.69	0.58	0.04	0.03	0.01	0.05	0.02	0.24	0.44
USGS 07380335 - Little Lake Near Cutoff	0.21	0.16	0.57	0.36	0.35	0.06	0.03	0.02	0.05	0.03	0.21	0.27
USGS073802516 Barataria Pass at Grand Isle	0.22	0.17	0.50	0.24	0.18	0.00	0.00	0.02	0.06	0.01	0.15	0.25
HWQ14 - Lake Washington	0.17	0.13	0.49	0.28	0.21	0.03	0.05	0.02	0.04	0.04	0.12	0.28
HWQ16 - Bayou Grand Liard	0.06	0.06	0.04	-0.08	-0.10	-0.04	-0.01	0.01	0.00	0.05	0.08	0.08
CRMS 3985	0.00	-0.03	0.44	0.45	0.28	0.05	0.03	-0.15	-0.06	-0.01	-0.07	-0.04
CRMS 0258	0.26	0.09	0.53	0.18	0.04	0.00	0.00	0.00	0.01	0.00	0.23	0.22
CRMS 0224	0.30	0.15	0.71	0.34	0.13	0.00	0.00	0.00	0.01	0.01	0.26	0.34
CRMS 0163	0.00	0.01	0.00	0.00	0.00	-0.04	-0.06	0.01	0.01	0.03	0.00	0.01
CRMS 0162	0.00	0.01	0.00	0.00	-0.01	-0.01	0.00	-0.02	-0.06	-0.01	-0.01	0.01

Figure WQ NO3 127 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.95	0.32	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.36
CRMS0276 - Just east of Wilkinson Canal	0.93	1.27	1.16	1.10	1.02	0.55	0.11	0.13	0.37	0.51	0.95	1.12
Barataria Waterway at Lafitte (USACE82875)	1.30	1.39	1.44	1.43	1.46	0.97	0.21	0.11	0.62	1.13	1.32	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	0.99	0.28	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.95	0.66	0.02	0.01	0.02	0.12	0.09	0.10	0.12	0.46	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.95	0.45	0.13	0.01	0.02	0.04	0.04	0.08	0.04	0.32	0.58
USGS 07380335 - Little Lake Near Cutoff	0.79	0.99	0.53	0.30	0.08	0.05	0.09	0.07	0.14	0.13	0.43	0.70
USGS073802516 Barataria Pass at Grand Isle	0.78	0.93	0.41	0.15	0.04	0.02	0.02	0.02	0.07	0.02	0.28	0.57
HWQ14 - Lake Washington	0.84	0.88	0.45	0.01	0.01	0.02	0.08	0.07	0.11	0.03	0.26	0.54
HWQ16 - Bayou Grand Liard	0.73	1.00	0.82	0.73	0.62	0.42	0.19	0.05	0.16	0.15	0.49	0.71
CRMS 3985	1.02	1.01	0.91	0.06	0.03	0.10	0.36	0.37	0.29	0.41	0.69	0.96
CRMS 0258	0.91	1.13	0.50	0.40	0.06	0.00	0.00	0.00	0.07	0.03	0.63	0.90
CRMS 0224	0.83	1.05	0.45	0.30	0.06	0.01	0.01	0.01	0.06	0.04	0.46	0.73
CRMS 0163	1.33	1.32	1.38	1.40	1.42	1.28	0.24	0.47	0.80	1.35	1.37	1.36
CRMS 0162	1.27	1.26	1.24	1.15	1.10	1.16	1.11	0.49	0.20	0.91	1.18	1.30

V3PR3 HYST - cy 3 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.26	1.31	1.24	1.29	1.36	1.42	1.40	1.36	1.28	1.25	1.27
CRMS0276 - Just east of Wilkinson Canal	0.96	1.26	1.11	1.05	0.86	0.46	0.10	0.13	0.36	0.51	0.95	1.13
Barataria Waterway at Lafitte (USACE82875)	1.29	1.39	1.46	1.43	1.44	0.94	0.27	0.11	0.67	1.15	1.33	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.12	1.21	1.14	0.62	0.85	0.01	0.01	0.01	0.02	0.08	0.71	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.03	1.14	0.95	0.45	0.31	0.03	0.08	0.11	0.11	0.10	0.52	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.96	1.16	0.80	0.42	0.27	0.04	0.06	0.06	0.11	0.04	0.45	0.85
USGS 07380335 - Little Lake Near Cutoff	0.88	1.13	0.68	0.46	0.24	0.08	0.12	0.11	0.19	0.14	0.49	0.83
USGS073802516 Barataria Pass at Grand Isle	0.88	1.07	0.54	0.27	0.04	0.02	0.02	0.04	0.11	0.02	0.35	0.70
HWQ14 - Lake Washington	0.92	1.02	0.55	0.19	0.05	0.02	0.08	0.15	0.15	0.06	0.32	0.70
HWQ16 - Bayou Grand Liard	0.73	1.03	0.81	0.72	0.51	0.40	0.19	0.06	0.22	0.17	0.51	0.74
CRMS 3985	1.03	1.07	0.85	0.32	0.11	0.07	0.19	0.33	0.27	0.32	0.55	0.90
CRMS 0258	1.09	1.21	0.49	0.39	0.02	0.00	0.00	0.00	0.07	0.04	0.68	0.99
CRMS 0224	0.99	1.19	0.60	0.40	0.04	0.01	0.01	0.01	0.06	0.04	0.53	0.89
CRMS 0163	1.32	1.32	1.40	1.40	1.42	1.27	0.28	0.46	0.85	1.35	1.37	1.36
CRMS 0162	1.25	1.26	1.25	1.15	1.10	1.21	1.07	0.49	0.17	0.89	1.16	1.30

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.48	0.31	0.99	1.22	1.28	1.35	1.41	1.39	1.34	1.27	0.97	0.91
CRMS0276 - Just east of Wilkinson Canal	0.03	-0.01	-0.06	-0.05	-0.17	-0.08	0.00	0.01	-0.02	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.02	0.00	-0.01	-0.03	0.05	0.00	0.06	0.01	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.27	0.23	0.86	0.54	0.84	0.00	0.01	0.00	0.01	0.07	0.43	0.60
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.19	0.30	0.43	0.30	0.01	-0.05	0.02	0.00	-0.02	0.06	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.21	0.35	0.30	0.25	0.02	0.02	0.02	0.03	0.01	0.12	0.27
USGS 07380335 - Little Lake Near Cutoff	0.09	0.14	0.15	0.16	0.16	0.03	0.03	0.04	0.05	0.01	0.07	0.13
USGS073802516 Barataria Pass at Grand Isle	0.10	0.14	0.13	0.12	0.00	0.00	0.01	0.01	0.04	0.00	0.06	0.13
HWQ14 - Lake Washington	0.09	0.14	0.10	0.17	0.04	0.01	0.01	0.08	0.04	0.03	0.06	0.15
HWQ16 - Bayou Grand Liard	0.00	0.03	-0.01	-0.01	-0.11	-0.02	0.00	0.01	0.06	0.03	0.02	0.02
CRMS 3985	0.01	0.06	-0.06	0.25	0.08	-0.02	-0.18	-0.04	-0.02	-0.09	-0.14	-0.07
CRMS 0258	0.18	0.08	-0.01	-0.01	-0.03	0.00	0.00	0.00	0.00	0.01	0.06	0.09
CRMS 0224	0.16	0.14	0.14	0.10	-0.01	0.00	0.00	0.00	0.01	-0.01	0.08	0.16
CRMS 0163	-0.01	0.00	0.02	0.00	0.00	0.00	0.05	-0.01	0.04	0.01	0.00	0.00
CRMS 0162	-0.02	0.00	0.01	0.00	0.00	0.05	-0.05	0.00	-0.03	-0.02	-0.03	0.00

Figure WQ NO3 128 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	1.01	0.27	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.15	0.28
CRMS0276 - Just east of Wilkinson Canal	1.03	1.33	1.25	1.08	0.97	0.73	0.40	0.41	0.84	0.54	0.78	1.00
Barataria Waterway at Lafitte (USACE82875)	1.31	1.31	1.41	1.38	1.29	1.07	1.24	0.96	1.35	1.03	1.09	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	1.06	0.25	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.97	0.43	0.02	0.01	0.03	0.07	0.11	0.13	0.10	0.16	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.80	1.04	0.40	0.13	0.02	0.04	0.07	0.09	0.12	0.05	0.25	0.40
USGS 07380335 - Little Lake Near Cutoff	0.81	1.10	0.54	0.29	0.10	0.13	0.21	0.27	0.32	0.18	0.35	0.52
USGS073802516 Barataria Pass at Grand Isle	0.77	1.02	0.40	0.13	0.02	0.03	0.07	0.13	0.15	0.02	0.19	0.36
HWQ14 - Lake Washington	0.78	0.92	0.30	0.02	0.01	0.02	0.07	0.12	0.15	0.06	0.12	0.25
HWQ16 - Bayou Grand Liard	0.83	1.12	0.93	0.74	0.61	0.61	0.64	0.59	0.54	0.36	0.39	0.53
CRMS 3985	1.00	0.98	0.57	0.05	0.04	0.08	0.16	0.34	0.34	0.30	0.21	0.78
CRMS 0258	0.96	1.23	0.63	0.33	0.03	0.00	0.01	0.00	0.07	0.00	0.53	0.79
CRMS 0224	0.84	1.15	0.47	0.26	0.03	0.01	0.01	0.01	0.10	0.01	0.36	0.61
CRMS 0163	1.27	1.20	1.28	1.28	1.34	1.38	1.35	1.08	1.45	1.31	1.39	1.38
CRMS 0162	1.24	1.19	1.24	1.18	1.17	1.35	1.43	1.42	1.20	1.08	1.01	1.20

V3PR3 HYST - cy 3 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.31	1.31	1.30	1.28	1.36	1.30
CRMS0276 - Just east of Wilkinson Canal	1.12	1.35	1.21	0.97	0.76	0.56	0.28	0.30	0.89	0.58	0.82	1.03
Barataria Waterway at Lafitte (USACE82875)	1.32	1.32	1.41	1.37	1.24	1.01	1.15	0.87	1.42	1.09	1.07	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.14	1.19	1.18	1.19	1.23	1.24	0.59	0.04	0.08	0.83	1.05
USGS7380251 Barataria Bay North of Grand Isle	1.14	1.16	1.16	0.89	0.69	0.31	0.45	0.18	0.14	0.11	0.46	0.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.23	1.17	0.77	0.57	0.27	0.32	0.19	0.19	0.09	0.49	0.81
USGS 07380335 - Little Lake Near Cutoff	1.08	1.26	1.10	0.59	0.48	0.28	0.38	0.40	0.43	0.25	0.52	0.78
USGS073802516 Barataria Pass at Grand Isle	1.03	1.20	0.83	0.36	0.16	0.06	0.15	0.19	0.23	0.06	0.37	0.65
HWQ14 - Lake Washington	0.99	1.09	0.75	0.30	0.18	0.10	0.23	0.24	0.19	0.11	0.35	0.67
HWQ16 - Bayou Grand Liard	0.90	1.20	0.92	0.63	0.51	0.48	0.51	0.53	0.57	0.39	0.46	0.63
CRMS 3985	1.06	1.01	0.91	0.47	0.30	0.19	0.28	0.27	0.19	0.23	0.44	0.83
CRMS 0258	1.26	1.32	1.16	0.50	0.02	0.01	0.04	0.00	0.09	0.00	0.75	1.07
CRMS 0224	1.20	1.30	1.16	0.58	0.08	0.06	0.14	0.03	0.13	0.06	0.62	0.91
CRMS 0163	1.27	1.20	1.29	1.28	1.34	1.34	1.28	0.99	1.49	1.33	1.36	1.39
CRMS 0162	1.25	1.20	1.22	1.17	1.16	1.36	1.44	1.45	1.21	1.06	0.97	1.19

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.15	0.95	1.20	1.23	1.27	1.31	1.31	1.27	1.28	1.20	1.03
CRMS0276 - Just east of Wilkinson Canal	0.10	0.02	-0.04	-0.11	-0.20	-0.17	-0.13	-0.10	0.04	0.04	0.04	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.00	-0.01	-0.05	-0.06	-0.09	-0.08	0.07	0.06	-0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.31	0.07	0.94	1.14	1.19	1.23	1.23	0.58	0.01	0.08	0.61	0.68
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.19	0.72	0.86	0.68	0.28	0.38	0.07	0.01	0.01	0.30	0.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.34	0.19	0.77	0.64	0.55	0.23	0.25	0.10	0.07	0.04	0.24	0.41
USGS 07380335 - Little Lake Near Cutoff	0.27	0.16	0.56	0.30	0.38	0.15	0.17	0.13	0.11	0.07	0.17	0.27
USGS073802516 Barataria Pass at Grand Isle	0.26	0.18	0.42	0.23	0.13	0.03	0.08	0.06	0.07	0.04	0.18	0.30
HWQ14 - Lake Washington	0.21	0.17	0.45	0.28	0.18	0.08	0.16	0.12	0.04	0.05	0.23	0.42
HWQ16 - Bayou Grand Liard	0.08	0.07	-0.01	-0.11	-0.10	-0.12	-0.12	-0.06	0.04	0.03	0.06	0.10
CRMS 3985	0.06	0.04	0.34	0.42	0.26	0.11	0.12	-0.06	-0.14	-0.07	0.23	0.06
CRMS 0258	0.30	0.10	0.53	0.17	-0.01	0.00	0.04	0.00	0.02	0.00	0.23	0.28
CRMS 0224	0.36	0.14	0.69	0.32	0.06	0.05	0.12	0.02	0.03	0.05	0.26	0.30
CRMS 0163	0.00	0.01	0.00	0.00	0.00	-0.03	-0.07	-0.09	0.04	0.02	-0.03	0.01
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	0.01	0.01	0.03	0.01	-0.02	-0.03	-0.01

Figure WQ NO3 129 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.91	0.87	0.34	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.35
CRMS0276 - Just east of Wilkinson Canal	1.13	1.24	1.28	1.23	1.18	0.42	0.19	0.30	0.74	0.50	0.62	1.25
Barataria Waterway at Lafitte (USACE82875)	1.38	1.48	1.38	1.38	1.28	0.89	0.85	0.53	1.18	0.85	1.05	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.95	0.98	0.40	0.15	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.43
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.75	0.51	0.06	0.01	0.02	0.06	0.08	0.13	0.09	0.29	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.91	0.94	0.40	0.20	0.03	0.04	0.06	0.08	0.10	0.05	0.19	0.55
USGS 07380335 - Little Lake Near Cutoff	0.93	0.99	0.56	0.39	0.21	0.10	0.15	0.25	0.29	0.17	0.21	0.68
USGS073802516 Barataria Pass at Grand Isle	0.88	0.93	0.32	0.20	0.08	0.02	0.04	0.11	0.13	0.03	0.15	0.55
HWQ14 - Lake Washington	0.86	0.81	0.26	0.03	0.01	0.02	0.07	0.08	0.14	0.06	0.17	0.47
HWQ16 - Bayou Grand Liard	0.90	0.98	0.86	0.84	0.81	0.54	0.57	0.52	0.50	0.33	0.24	0.76
CRMS 3985	0.97	0.70	0.76	0.09	0.03	0.06	0.15	0.24	0.32	0.27	0.49	0.94
CRMS 0258	1.08	1.14	0.96	0.53	0.13	0.00	0.00	0.00	0.04	0.00	0.43	0.93
CRMS 0224	0.98	1.06	0.63	0.41	0.12	0.01	0.01	0.01	0.08	0.01	0.28	0.72
CRMS 0163	1.36	1.44	1.25	1.27	1.13	1.28	1.21	0.76	1.43	1.26	1.36	1.26
CRMS 0162	1.28	1.24	1.22	1.20	1.11	1.27	1.44	1.43	1.12	0.83	1.01	1.23

V3PR3 HYST - cy 3 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.33	1.20	1.19	1.06	1.18	1.31	1.31	1.30	1.32	1.35	1.20
CRMS0276 - Just east of Wilkinson Canal	1.21	1.22	1.26	1.14	1.07	0.38	0.20	0.25	0.76	0.51	0.62	1.24
Barataria Waterway at Lafitte (USACE82875)	1.38	1.45	1.38	1.39	1.30	0.87	0.73	0.51	1.22	0.88	1.07	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.28	1.17	1.18	1.06	1.17	1.21	0.00	0.05	0.09	0.83	1.17
USGS7380251 Barataria Bay North of Grand Isle	1.14	1.11	1.15	1.00	0.83	0.20	0.30	0.08	0.14	0.12	0.45	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.16	1.18	0.95	0.76	0.25	0.25	0.13	0.17	0.08	0.43	1.17
USGS 07380335 - Little Lake Near Cutoff	1.13	1.14	1.15	0.82	0.69	0.22	0.32	0.35	0.38	0.22	0.40	1.11
USGS073802516 Barataria Pass at Grand Isle	1.10	1.09	0.95	0.45	0.33	0.05	0.10	0.10	0.21	0.04	0.30	0.95
HWQ14 - Lake Washington	1.06	1.05	0.88	0.38	0.28	0.09	0.19	0.18	0.18	0.12	0.31	0.85
HWQ16 - Bayou Grand Liard	0.92	1.00	0.96	0.80	0.74	0.43	0.48	0.50	0.52	0.35	0.29	0.86
CRMS 3985	1.05	1.07	1.08	0.60	0.39	0.17	0.25	0.24	0.22	0.28	0.38	0.99
CRMS 0258	1.42	1.31	1.25	0.70	0.18	0.02	0.03	0.00	0.06	0.00	0.66	1.24
CRMS 0224	1.28	1.24	1.21	0.77	0.33	0.06	0.08	0.01	0.12	0.05	0.54	1.19
CRMS 0163	1.35	1.41	1.26	1.28	1.14	1.28	1.07	0.72	1.45	1.27	1.37	1.27
CRMS 0162	1.26	1.21	1.21	1.19	1.12	1.27	1.44	1.45	1.11	0.77	1.01	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.46	0.85	1.11	1.06	1.18	1.30	1.31	1.27	1.32	1.17	0.85
CRMS0276 - Just east of Wilkinson Canal	0.08	-0.02	-0.02	-0.09	-0.11	-0.03	0.01	-0.05	0.02	0.02	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.03	0.00	0.00	0.02	-0.01	-0.12	-0.01	0.04	0.03	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.26	0.30	0.77	1.03	1.06	1.17	1.20	0.00	0.03	0.09	0.62	0.74
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.36	0.64	0.94	0.82	0.18	0.24	0.01	0.01	0.03	0.16	0.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.22	0.78	0.76	0.73	0.22	0.19	0.05	0.07	0.03	0.24	0.62
USGS 07380335 - Little Lake Near Cutoff	0.20	0.14	0.58	0.43	0.47	0.12	0.17	0.10	0.09	0.05	0.19	0.42
USGS073802516 Barataria Pass at Grand Isle	0.21	0.15	0.63	0.25	0.25	0.02	0.06	-0.01	0.08	0.02	0.15	0.41
HWQ14 - Lake Washington	0.20	0.25	0.62	0.36	0.27	0.06	0.13	0.11	0.04	0.06	0.14	0.38
HWQ16 - Bayou Grand Liard	0.02	0.03	0.09	-0.04	-0.07	-0.11	-0.08	-0.02	0.02	0.02	0.05	0.10
CRMS 3985	0.09	0.37	0.32	0.51	0.37	0.11	0.10	0.00	-0.10	0.01	-0.11	0.05
CRMS 0258	0.34	0.17	0.29	0.18	0.05	0.02	0.02	0.00	0.02	0.00	0.23	0.30
CRMS 0224	0.30	0.18	0.58	0.36	0.22	0.05	0.07	0.00	0.03	0.04	0.26	0.47
CRMS 0163	-0.01	-0.03	0.00	0.01	0.01	0.00	-0.14	-0.04	0.02	0.01	0.02	0.01
CRMS 0162	-0.02	-0.03	-0.01	-0.01	0.01	0.00	0.00	0.02	-0.01	-0.06	0.00	0.00

Figure WQ NO3 130 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.88	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.01	0.21	0.26
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.23	1.22	0.96	0.82	0.18	0.22	0.55	0.50	0.92	1.08
Barataria Waterway at Lafitte (USACE82875)	1.33	1.37	1.45	1.35	1.38	1.16	0.42	0.16	0.84	1.04	1.32	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.95	0.25	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.25	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.63	0.86	0.47	0.03	0.01	0.03	0.07	0.12	0.14	0.13	0.40	0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.73	0.92	0.39	0.15	0.02	0.04	0.06	0.07	0.10	0.05	0.33	0.55
USGS 07380335 - Little Lake Near Cutoff	0.81	1.00	0.52	0.37	0.11	0.15	0.17	0.16	0.25	0.16	0.44	0.66
USGS073802516 Barataria Pass at Grand Isle	0.73	0.91	0.37	0.17	0.03	0.03	0.04	0.06	0.11	0.03	0.28	0.53
HWQ14 - Lake Washington	0.60	0.78	0.31	0.02	0.01	0.02	0.07	0.11	0.14	0.05	0.24	0.47
HWQ16 - Bayou Grand Liard	0.83	1.06	0.89	0.83	0.64	0.67	0.47	0.11	0.35	0.26	0.49	0.66
CRMS 3985	0.65	0.92	0.68	0.06	0.03	0.07	0.17	0.37	0.33	0.37	0.66	0.67
CRMS 0258	0.93	1.16	0.65	0.41	0.04	0.00	0.00	0.00	0.03	0.00	0.55	0.94
CRMS 0224	0.82	1.06	0.45	0.33	0.04	0.01	0.01	0.01	0.11	0.03	0.43	0.75
CRMS 0163	1.30	1.26	1.35	1.23	1.31	1.35	0.51	0.48	1.25	1.31	1.39	1.42
CRMS 0162	1.26	1.22	1.26	1.18	1.20	1.32	1.50	1.05	0.48	1.05	1.14	1.28

V3PR4 HYST - cy 3 - 2002 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.21	1.27	1.17	1.20	1.24	1.32	1.34	1.34	1.25	1.28	1.30
CRMS0276 - Just east of Wilkinson Canal	1.18	1.34	1.22	1.07	0.77	0.67	0.17	0.22	0.56	0.53	0.97	1.11
Barataria Waterway at Lafitte (USACE82875)	1.34	1.37	1.46	1.35	1.36	1.14	0.41	0.22	0.94	1.11	1.35	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.18	1.20	1.16	1.20	1.22	0.21	0.00	0.09	0.36	0.91	1.13
USGS7380251 Barataria Bay North of Grand Isle	1.12	1.20	1.16	1.05	0.94	0.65	0.09	0.10	0.15	0.12	0.43	0.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.23	1.19	1.06	0.99	0.79	0.13	0.09	0.15	0.07	0.49	0.89
USGS 07380335 - Little Lake Near Cutoff	1.11	1.25	1.10	0.98	0.85	0.73	0.28	0.22	0.32	0.20	0.55	0.86
USGS073802516 Barataria Pass at Grand Isle	1.07	1.19	0.83	0.55	0.35	0.20	0.08	0.08	0.19	0.04	0.38	0.69
HWQ14 - Lake Washington	1.03	1.12	0.78	0.42	0.30	0.24	0.17	0.14	0.19	0.11	0.33	0.65
HWQ16 - Bayou Grand Liard	0.94	1.16	0.92	0.80	0.63	0.64	0.48	0.18	0.41	0.33	0.54	0.74
CRMS 3985	1.06	1.14	0.99	0.67	0.42	0.32	0.24	0.28	0.30	0.32	0.41	0.82
CRMS 0258	1.31	1.30	1.14	0.64	0.23	0.22	0.00	0.00	0.04	0.00	0.72	1.07
CRMS 0224	1.22	1.27	1.14	0.85	0.50	0.51	0.02	0.01	0.11	0.03	0.61	0.99
CRMS 0163	1.31	1.27	1.35	1.23	1.31	1.33	0.47	0.51	1.37	1.34	1.40	1.40
CRMS 0162	1.27	1.23	1.25	1.17	1.20	1.32	1.51	1.12	0.58	1.09	1.13	1.27

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.55	0.32	0.98	1.15	1.21	1.24	1.31	1.33	1.32	1.25	1.07	1.05
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	0.00	-0.15	-0.19	-0.15	0.00	0.00	0.01	0.02	0.04	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.01	0.00	-0.01	-0.02	-0.01	0.07	0.10	0.07	0.03	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.39	0.23	0.95	1.09	1.20	1.22	0.20	0.00	0.07	0.35	0.67	0.76
USGS7380251 Barataria Bay North of Grand Isle	0.49	0.34	0.69	1.02	0.93	0.62	0.02	-0.02	0.01	0.00	0.04	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.42	0.31	0.81	0.91	0.97	0.75	0.07	0.02	0.05	0.02	0.16	0.34
USGS 07380335 - Little Lake Near Cutoff	0.30	0.24	0.58	0.62	0.75	0.58	0.11	0.07	0.07	0.04	0.11	0.20
USGS073802516 Barataria Pass at Grand Isle	0.34	0.28	0.46	0.38	0.32	0.17	0.04	0.02	0.08	0.01	0.10	0.17
HWQ14 - Lake Washington	0.42	0.34	0.47	0.40	0.30	0.22	0.10	0.03	0.05	0.06	0.08	0.18
HWQ16 - Bayou Grand Liard	0.11	0.10	0.04	-0.03	-0.01	-0.03	0.01	0.08	0.07	0.07	0.05	0.08
CRMS 3985	0.41	0.22	0.31	0.61	0.39	0.24	0.07	-0.09	-0.03	-0.05	-0.25	0.15
CRMS 0258	0.37	0.14	0.49	0.24	0.19	0.22	0.00	0.00	0.01	0.00	0.17	0.13
CRMS 0224	0.40	0.21	0.69	0.52	0.46	0.50	0.01	0.00	0.00	0.00	0.17	0.25
CRMS 0163	0.01	0.01	0.01	0.00	0.00	-0.02	-0.05	0.03	0.11	0.03	0.01	-0.02
CRMS 0162	0.00	0.00	-0.01	0.00	0.00	0.00	0.01	0.07	0.10	0.04	-0.01	0.00

Figure WQ NO3 131 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	1.02	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.17	0.33
CRMS0276 - Just east of Wilkinson Canal	1.08	1.33	1.33	1.06	0.82	0.32	0.16	0.28	0.61	0.40	0.58	1.15
Barataria Waterway at Lafitte (USACE82875)	1.35	1.35	1.33	1.36	1.26	0.47	0.58	0.45	1.10	0.72	1.11	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	1.07	0.27	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.18	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.99	0.38	0.02	0.01	0.02	0.07	0.14	0.15	0.09	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.03	0.44	0.13	0.02	0.03	0.05	0.08	0.11	0.04	0.14	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	1.09	0.62	0.29	0.11	0.07	0.13	0.21	0.27	0.14	0.13	0.64
USGS073802516 Barataria Pass at Grand Isle	0.84	1.01	0.44	0.13	0.04	0.02	0.03	0.07	0.12	0.02	0.12	0.51
HWQ14 - Lake Washington	0.85	0.94	0.30	0.02	0.01	0.02	0.06	0.12	0.14	0.05	0.19	0.47
HWQ16 - Bayou Grand Liard	0.84	1.10	1.00	0.74	0.67	0.41	0.38	0.21	0.41	0.20	0.21	0.68
CRMS 3985	1.06	1.00	0.44	0.03	0.03	0.07	0.17	0.43	0.36	0.29	0.58	0.94
CRMS 0258	1.05	1.22	0.72	0.34	0.05	0.00	0.00	0.00	0.03	0.00	0.33	0.92
CRMS 0224	0.93	1.14	0.54	0.26	0.05	0.01	0.01	0.01	0.10	0.02	0.21	0.70
CRMS 0163	1.31	1.23	1.19	1.24	1.26	1.11	0.76	0.65	1.39	1.05	1.37	1.34
CRMS 0162	1.28	1.21	1.19	1.19	1.22	1.41	1.52	1.25	0.72	0.44	1.04	1.26

V3PR4 HYST - cy 3 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.30	1.29	1.31	1.33	1.31	1.32	1.28
CRMS0276 - Just east of Wilkinson Canal	1.15	1.34	1.34	0.93	0.67	0.26	0.13	0.27	0.61	0.48	0.79	1.18
Barataria Waterway at Lafitte (USACE82875)	1.36	1.36	1.33	1.35	1.26	0.46	0.63	0.51	1.21	0.81	1.16	1.44
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.17	1.14	1.16	1.17	0.38	0.04	0.00	0.11	0.37	0.93	1.16
USGS7380251 Barataria Bay North of Grand Isle	0.94	1.14	1.14	1.04	0.96	0.11	0.08	0.11	0.15	0.10	0.44	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.08	1.21	1.20	1.06	0.97	0.15	0.08	0.09	0.15	0.07	0.44	0.98
USGS 07380335 - Little Lake Near Cutoff	1.05	1.24	1.24	0.94	0.83	0.20	0.17	0.25	0.34	0.19	0.43	0.93
USGS073802516 Barataria Pass at Grand Isle	0.96	1.15	1.05	0.47	0.35	0.05	0.04	0.11	0.20	0.04	0.31	0.75
HWQ14 - Lake Washington	0.79	1.00	0.88	0.38	0.31	0.07	0.11	0.15	0.19	0.10	0.30	0.65
HWQ16 - Bayou Grand Liard	0.89	1.17	1.10	0.71	0.64	0.41	0.40	0.29	0.45	0.30	0.38	0.78
CRMS 3985	0.72	0.93	0.96	0.59	0.43	0.15	0.20	0.29	0.31	0.29	0.39	0.56
CRMS 0258	1.31	1.30	1.28	0.75	0.27	0.00	0.00	0.00	0.03	0.00	0.64	1.20
CRMS 0224	1.21	1.27	1.27	0.93	0.51	0.01	0.01	0.01	0.10	0.03	0.55	1.09
CRMS 0163	1.32	1.25	1.20	1.24	1.26	1.09	0.79	0.67	1.45	1.19	1.38	1.37
CRMS 0162	1.28	1.21	1.18	1.19	1.21	1.40	1.53	1.29	0.83	0.53	1.05	1.29

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.33	0.17	0.87	1.15	1.17	1.30	1.28	1.30	1.31	1.30	1.14	0.94
CRMS0276 - Just east of Wilkinson Canal	0.07	0.01	0.01	-0.13	-0.15	-0.05	-0.03	-0.02	0.00	0.09	0.21	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.00	-0.01	0.00	-0.01	0.04	0.06	0.11	0.10	0.05	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.26	0.10	0.87	1.11	1.17	0.38	0.03	0.00	0.09	0.37	0.75	0.76
USGS7380251 Barataria Bay North of Grand Isle	-0.02	0.15	0.75	1.02	0.95	0.09	0.02	-0.03	0.00	0.01	0.10	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.18	0.76	0.93	0.95	0.11	0.03	0.02	0.05	0.02	0.30	0.45
USGS 07380335 - Little Lake Near Cutoff	0.18	0.15	0.61	0.65	0.71	0.13	0.04	0.04	0.07	0.06	0.31	0.29
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.61	0.34	0.31	0.03	0.01	0.04	0.08	0.01	0.19	0.23
HWQ14 - Lake Washington	-0.06	0.06	0.58	0.36	0.30	0.05	0.05	0.03	0.04	0.05	0.12	0.18
HWQ16 - Bayou Grand Liard	0.06	0.07	0.10	-0.03	-0.03	0.00	0.02	0.08	0.04	0.10	0.17	0.10
CRMS 3985	-0.33	-0.07	0.52	0.56	0.40	0.08	0.03	-0.15	-0.06	0.00	-0.19	-0.39
CRMS 0258	0.26	0.08	0.56	0.40	0.22	0.00	0.00	0.00	0.01	0.00	0.32	0.27
CRMS 0224	0.28	0.13	0.72	0.67	0.45	0.00	0.00	0.00	0.00	0.02	0.34	0.39
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.03	0.03	0.02	0.06	0.14	0.02	0.03
CRMS 0162	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.04	0.11	0.10	0.01	0.03

Figure WQ NO3 132 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.95	0.32	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.36
CRMS0276 - Just east of Wilkinson Canal	0.93	1.27	1.16	1.10	1.02	0.55	0.11	0.13	0.37	0.51	0.95	1.12
Barataria Waterway at Lafitte (USACE82875)	1.30	1.39	1.44	1.43	1.46	0.97	0.21	0.11	0.62	1.13	1.32	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	0.99	0.28	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.95	0.66	0.02	0.01	0.02	0.12	0.09	0.10	0.12	0.46	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.95	0.45	0.13	0.01	0.02	0.04	0.04	0.08	0.04	0.32	0.58
USGS 07380335 - Little Lake Near Cutoff	0.79	0.99	0.53	0.30	0.08	0.05	0.09	0.07	0.14	0.13	0.43	0.70
USGS073802516 Barataria Pass at Grand Isle	0.78	0.93	0.41	0.15	0.04	0.02	0.02	0.02	0.07	0.02	0.28	0.57
HWQ14 - Lake Washington	0.84	0.88	0.45	0.01	0.01	0.02	0.08	0.07	0.11	0.03	0.26	0.54
HWQ16 - Bayou Grand Liard	0.73	1.00	0.82	0.73	0.62	0.42	0.19	0.05	0.16	0.15	0.49	0.71
CRMS 3985	1.02	1.01	0.91	0.06	0.03	0.10	0.36	0.37	0.29	0.41	0.69	0.96
CRMS 0258	0.91	1.13	0.50	0.40	0.06	0.00	0.00	0.00	0.07	0.03	0.63	0.90
CRMS 0224	0.83	1.05	0.45	0.30	0.06	0.01	0.01	0.01	0.06	0.04	0.46	0.73
CRMS 0163	1.33	1.32	1.38	1.40	1.42	1.28	0.24	0.47	0.80	1.35	1.37	1.36
CRMS 0162	1.27	1.26	1.24	1.15	1.10	1.16	1.11	0.49	0.20	0.91	1.18	1.30

V3PR4 HYST - cy 3 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.26	1.31	1.25	1.29	1.33	1.38	1.36	1.34	1.26	1.25	1.27
CRMS0276 - Just east of Wilkinson Canal	1.03	1.28	1.13	1.09	0.88	0.49	0.10	0.15	0.40	0.52	0.98	1.16
Barataria Waterway at Lafitte (USACE82875)	1.33	1.40	1.47	1.44	1.46	0.98	0.29	0.14	0.60	1.20	1.35	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.14	1.21	1.16	0.81	1.00	0.02	0.04	0.00	0.07	0.35	0.84	1.05
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.15	0.96	0.48	0.36	0.03	0.08	0.10	0.11	0.10	0.51	0.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.19	0.89	0.53	0.47	0.04	0.06	0.06	0.11	0.04	0.47	0.88
USGS 07380335 - Little Lake Near Cutoff	0.93	1.17	0.77	0.56	0.39	0.08	0.12	0.12	0.21	0.15	0.52	0.86
USGS073802516 Barataria Pass at Grand Isle	0.91	1.11	0.59	0.35	0.08	0.02	0.02	0.04	0.12	0.02	0.36	0.72
HWQ14 - Lake Washington	0.93	1.04	0.57	0.23	0.08	0.03	0.09	0.15	0.15	0.06	0.32	0.71
HWQ16 - Bayou Grand Liard	0.83	1.06	0.83	0.76	0.54	0.42	0.21	0.06	0.26	0.23	0.54	0.78
CRMS 3985	1.03	1.07	0.82	0.33	0.13	0.08	0.19	0.32	0.27	0.32	0.55	0.89
CRMS 0258	1.11	1.25	0.55	0.44	0.04	0.00	0.00	0.00	0.07	0.00	0.69	1.05
CRMS 0224	1.02	1.22	0.69	0.47	0.10	0.01	0.01	0.01	0.09	0.04	0.55	0.94
CRMS 0163	1.35	1.33	1.40	1.40	1.43	1.29	0.29	0.47	0.85	1.37	1.38	1.37
CRMS 0162	1.29	1.27	1.24	1.13	1.11	1.26	1.23	0.54	0.17	0.96	1.17	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.48	0.32	1.00	1.23	1.29	1.32	1.37	1.36	1.33	1.25	0.97	0.91
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	-0.03	-0.01	-0.14	-0.06	-0.01	0.03	0.02	0.01	0.03	0.04
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.03	0.01	0.01	0.01	0.08	0.03	-0.02	0.06	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.29	0.22	0.89	0.72	1.00	0.01	0.03	0.00	0.07	0.35	0.57	0.64
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.20	0.31	0.46	0.35	0.01	-0.05	0.01	0.00	-0.02	0.05	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.24	0.44	0.40	0.46	0.01	0.02	0.02	0.03	0.01	0.15	0.30
USGS 07380335 - Little Lake Near Cutoff	0.14	0.18	0.24	0.26	0.31	0.03	0.03	0.05	0.07	0.02	0.09	0.16
USGS073802516 Barataria Pass at Grand Isle	0.13	0.18	0.18	0.20	0.04	0.00	0.01	0.02	0.05	0.00	0.08	0.15
HWQ14 - Lake Washington	0.09	0.16	0.12	0.22	0.07	0.01	0.01	0.08	0.04	0.03	0.07	0.16
HWQ16 - Bayou Grand Liard	0.10	0.06	0.01	0.03	-0.08	0.00	0.02	0.01	0.10	0.08	0.05	0.07
CRMS 3985	0.01	0.06	-0.09	0.27	0.10	-0.02	-0.17	-0.05	-0.02	-0.09	-0.14	-0.07
CRMS 0258	0.20	0.11	0.05	0.03	-0.02	0.00	0.00	0.00	0.00	-0.02	0.07	0.15
CRMS 0224	0.19	0.18	0.23	0.17	0.04	0.00	0.00	0.00	0.03	-0.01	0.09	0.21
CRMS 0163	0.02	0.01	0.02	0.01	0.01	0.02	0.06	0.00	0.05	0.02	0.00	0.01
CRMS 0162	0.02	0.01	0.00	-0.02	0.01	0.10	0.11	0.05	-0.03	0.04	-0.01	0.01

Figure WQ NO3 133 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	1.01	0.27	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.15	0.28
CRMS0276 - Just east of Wilkinson Canal	1.03	1.33	1.25	1.08	0.97	0.73	0.40	0.41	0.84	0.54	0.78	1.00
Barataria Waterway at Lafitte (USACE82875)	1.31	1.31	1.41	1.38	1.29	1.07	1.24	0.96	1.35	1.03	1.09	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	1.06	0.25	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.97	0.43	0.02	0.01	0.03	0.07	0.11	0.13	0.10	0.16	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.80	1.04	0.40	0.13	0.02	0.04	0.07	0.09	0.12	0.05	0.25	0.40
USGS 07380335 - Little Lake Near Cutoff	0.81	1.10	0.54	0.29	0.10	0.13	0.21	0.27	0.32	0.18	0.35	0.52
USGS073802516 Barataria Pass at Grand Isle	0.77	1.02	0.40	0.13	0.02	0.03	0.07	0.13	0.15	0.02	0.19	0.36
HWQ14 - Lake Washington	0.78	0.92	0.30	0.02	0.01	0.02	0.07	0.12	0.15	0.06	0.12	0.25
HWQ16 - Bayou Grand Liard	0.83	1.12	0.93	0.74	0.61	0.61	0.64	0.59	0.54	0.36	0.39	0.53
CRMS 3985	1.00	0.98	0.57	0.05	0.04	0.08	0.16	0.34	0.34	0.30	0.21	0.78
CRMS 0258	0.96	1.23	0.63	0.33	0.03	0.00	0.01	0.00	0.07	0.00	0.53	0.79
CRMS 0224	0.84	1.15	0.47	0.26	0.03	0.01	0.01	0.01	0.10	0.01	0.36	0.61
CRMS 0163	1.27	1.20	1.28	1.28	1.34	1.38	1.35	1.08	1.45	1.31	1.39	1.38
CRMS 0162	1.24	1.19	1.24	1.18	1.17	1.35	1.43	1.42	1.20	1.08	1.01	1.20

V3PR4 HYST - cy 3 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.32	1.30	1.29	1.27	1.34	1.31
CRMS0276 - Just east of Wilkinson Canal	1.16	1.35	1.25	0.97	0.75	0.56	0.36	0.35	0.94	0.61	0.86	1.07
Barataria Waterway at Lafitte (USACE82875)	1.33	1.32	1.41	1.37	1.26	1.03	1.18	0.94	1.43	1.13	1.11	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.15	1.20	1.20	1.22	1.25	1.27	0.68	0.07	0.34	0.96	1.11
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.19	1.22	1.01	0.87	0.48	0.53	0.17	0.13	0.10	0.50	0.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.22	1.27	1.03	0.86	0.67	0.74	0.38	0.18	0.10	0.53	0.91
USGS 07380335 - Little Lake Near Cutoff	1.14	1.27	1.27	0.90	0.75	0.59	0.70	0.54	0.43	0.26	0.56	0.85
USGS073802516 Barataria Pass at Grand Isle	1.09	1.25	1.06	0.47	0.30	0.14	0.26	0.26	0.23	0.08	0.42	0.73
HWQ14 - Lake Washington	1.03	1.17	0.97	0.37	0.27	0.18	0.29	0.27	0.19	0.12	0.38	0.74
HWQ16 - Bayou Grand Liard	0.95	1.23	1.04	0.70	0.59	0.56	0.57	0.58	0.59	0.41	0.48	0.68
CRMS 3985	1.10	1.16	1.09	0.57	0.40	0.26	0.30	0.27	0.19	0.23	0.52	0.88
CRMS 0258	1.28	1.30	1.30	0.61	0.12	0.11	0.21	0.00	0.10	0.00	0.79	1.17
CRMS 0224	1.23	1.27	1.31	0.77	0.40	0.36	0.58	0.06	0.12	0.07	0.66	1.01
CRMS 0163	1.28	1.20	1.29	1.29	1.34	1.35	1.29	1.05	1.49	1.35	1.37	1.39
CRMS 0162	1.25	1.19	1.23	1.18	1.17	1.36	1.44	1.44	1.24	1.15	0.98	1.22

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.15	0.95	1.20	1.23	1.27	1.31	1.29	1.26	1.27	1.19	1.03
CRMS0276 - Just east of Wilkinson Canal	0.13	0.02	0.01	-0.10	-0.22	-0.17	-0.04	-0.06	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.01	-0.03	-0.04	-0.06	-0.02	0.08	0.10	0.01	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.33	0.08	0.95	1.16	1.22	1.25	1.27	0.68	0.05	0.34	0.74	0.74
USGS7380251 Barataria Bay North of Grand Isle	0.26	0.22	0.79	0.99	0.86	0.45	0.46	0.06	0.00	0.01	0.33	0.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.18	0.86	0.91	0.85	0.63	0.67	0.29	0.06	0.05	0.29	0.51
USGS 07380335 - Little Lake Near Cutoff	0.33	0.17	0.73	0.61	0.65	0.46	0.49	0.26	0.11	0.08	0.21	0.33
USGS073802516 Barataria Pass at Grand Isle	0.32	0.22	0.66	0.34	0.27	0.11	0.19	0.13	0.08	0.05	0.23	0.37
HWQ14 - Lake Washington	0.25	0.25	0.66	0.35	0.27	0.16	0.21	0.15	0.05	0.06	0.26	0.48
HWQ16 - Bayou Grand Liard	0.12	0.11	0.11	-0.04	-0.02	-0.05	-0.06	-0.02	0.05	0.06	0.09	0.15
CRMS 3985	0.10	0.19	0.52	0.52	0.37	0.18	0.14	-0.07	-0.14	-0.07	0.32	0.11
CRMS 0258	0.32	0.08	0.67	0.28	0.09	0.11	0.21	0.00	0.02	0.00	0.26	0.38
CRMS 0224	0.39	0.12	0.84	0.51	0.38	0.35	0.57	0.05	0.03	0.06	0.30	0.40
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.03	-0.06	-0.03	0.05	0.04	-0.02	0.01
CRMS 0162	0.01	0.00	-0.01	-0.01	0.00	0.01	0.01	0.02	0.04	0.07	-0.03	0.02

Figure WQ NO3 134 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.91	0.87	0.34	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.35
CRMS0276 - Just east of Wilkinson Canal	1.13	1.24	1.28	1.23	1.18	0.42	0.19	0.30	0.74	0.50	0.62	1.25
Barataria Waterway at Lafitte (USACE82875)	1.38	1.48	1.38	1.38	1.28	0.89	0.85	0.53	1.18	0.85	1.05	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.95	0.98	0.40	0.15	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.43
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.75	0.51	0.06	0.01	0.02	0.06	0.08	0.13	0.09	0.29	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.91	0.94	0.40	0.20	0.03	0.04	0.06	0.08	0.10	0.05	0.19	0.55
USGS 07380335 - Little Lake Near Cutoff	0.93	0.99	0.56	0.39	0.21	0.10	0.15	0.25	0.29	0.17	0.21	0.68
USGS073802516 Barataria Pass at Grand Isle	0.88	0.93	0.32	0.20	0.08	0.02	0.04	0.11	0.13	0.03	0.15	0.55
HWQ14 - Lake Washington	0.86	0.81	0.26	0.03	0.01	0.02	0.07	0.08	0.14	0.06	0.17	0.47
HWQ16 - Bayou Grand Liard	0.90	0.98	0.86	0.84	0.81	0.54	0.57	0.52	0.50	0.33	0.24	0.76
CRMS 3985	0.97	0.70	0.76	0.09	0.03	0.06	0.15	0.24	0.32	0.27	0.49	0.94
CRMS 0258	1.08	1.14	0.96	0.53	0.13	0.00	0.00	0.00	0.04	0.00	0.43	0.93
CRMS 0224	0.98	1.06	0.63	0.41	0.12	0.01	0.01	0.01	0.08	0.01	0.28	0.72
CRMS 0163	1.36	1.44	1.25	1.27	1.13	1.28	1.21	0.76	1.43	1.26	1.36	1.26
CRMS 0162	1.28	1.24	1.22	1.20	1.11	1.27	1.44	1.43	1.12	0.83	1.01	1.23

V3PR4 HYST - cy 3 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.33	1.20	1.19	1.06	1.18	1.31	1.28	1.29	1.32	1.33	1.21
CRMS0276 - Just east of Wilkinson Canal	1.25	1.24	1.27	1.16	1.05	0.40	0.29	0.26	0.79	0.55	0.72	1.27
Barataria Waterway at Lafitte (USACE82875)	1.40	1.46	1.38	1.38	1.29	0.90	0.75	0.56	1.28	0.91	1.08	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.24	1.18	1.18	1.06	1.17	1.27	0.08	0.09	0.37	0.98	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.07	1.08	1.15	1.08	0.98	0.54	0.37	0.08	0.13	0.10	0.49	1.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.17	1.19	1.13	1.02	0.71	0.61	0.13	0.16	0.09	0.49	1.21
USGS 07380335 - Little Lake Near Cutoff	1.17	1.16	1.19	1.07	0.96	0.60	0.57	0.37	0.39	0.24	0.46	1.18
USGS073802516 Barataria Pass at Grand Isle	1.12	1.10	1.02	0.61	0.49	0.11	0.17	0.11	0.22	0.06	0.36	1.05
HWQ14 - Lake Washington	1.02	1.04	0.93	0.48	0.39	0.14	0.24	0.20	0.19	0.11	0.36	0.92
HWQ16 - Bayou Grand Liard	1.00	1.03	1.01	0.89	0.82	0.48	0.52	0.52	0.55	0.37	0.34	0.93
CRMS 3985	0.96	1.04	1.09	0.71	0.54	0.24	0.27	0.24	0.22	0.24	0.52	0.91
CRMS 0258	1.44	1.34	1.26	0.86	0.39	0.15	0.14	0.00	0.06	0.00	0.71	1.26
CRMS 0224	1.30	1.26	1.24	1.01	0.70	0.41	0.36	0.01	0.10	0.06	0.60	1.22
CRMS 0163	1.36	1.41	1.26	1.28	1.14	1.28	1.07	0.76	1.47	1.30	1.36	1.27
CRMS 0162	1.28	1.23	1.21	1.19	1.12	1.27	1.44	1.46	1.16	0.91	1.02	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.40	0.46	0.85	1.11	1.06	1.18	1.31	1.28	1.27	1.32	1.15	0.86
CRMS0276 - Just east of Wilkinson Canal	0.13	0.00	-0.01	-0.07	-0.13	-0.02	0.09	-0.05	0.05	0.05	0.09	0.02
Barataria Waterway at Lafitte (USACE82875)	0.02	-0.02	0.00	0.00	0.01	0.02	-0.10	0.03	0.11	0.06	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.26	0.78	1.04	1.06	1.17	1.26	0.08	0.07	0.37	0.76	0.76
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.33	0.65	1.02	0.97	0.52	0.31	0.00	0.00	0.01	0.20	0.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.27	0.24	0.80	0.93	0.98	0.68	0.55	0.05	0.06	0.04	0.30	0.65
USGS 07380335 - Little Lake Near Cutoff	0.24	0.17	0.63	0.67	0.75	0.50	0.42	0.12	0.10	0.07	0.25	0.50
USGS073802516 Barataria Pass at Grand Isle	0.23	0.17	0.70	0.41	0.41	0.08	0.13	0.00	0.09	0.03	0.20	0.50
HWQ14 - Lake Washington	0.16	0.23	0.67	0.45	0.38	0.12	0.17	0.13	0.05	0.05	0.19	0.45
HWQ16 - Bayou Grand Liard	0.11	0.05	0.14	0.05	0.01	-0.06	-0.05	0.00	0.04	0.04	0.11	0.17
CRMS 3985	-0.01	0.34	0.33	0.61	0.51	0.18	0.12	0.00	-0.10	-0.04	0.04	-0.03
CRMS 0258	0.36	0.19	0.30	0.33	0.26	0.15	0.14	0.00	0.02	0.00	0.28	0.33
CRMS 0224	0.32	0.20	0.61	0.59	0.59	0.40	0.35	0.00	0.02	0.05	0.32	0.50
CRMS 0163	0.00	-0.03	0.01	0.00	0.01	0.00	-0.14	0.00	0.04	0.04	0.01	0.02
CRMS 0162	0.00	-0.01	-0.01	-0.01	0.01	0.00	0.00	0.03	0.05	0.08	0.01	0.01

Figure WQ NO3 135 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.88	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.01	0.21	0.26
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.23	1.22	0.96	0.82	0.18	0.22	0.55	0.50	0.92	1.08
Barataria Waterway at Lafitte (USACE82875)	1.33	1.37	1.45	1.35	1.38	1.16	0.42	0.16	0.84	1.04	1.32	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.95	0.25	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.25	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.63	0.86	0.47	0.03	0.01	0.03	0.07	0.12	0.14	0.13	0.40	0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.73	0.92	0.39	0.15	0.02	0.04	0.06	0.07	0.10	0.05	0.33	0.55
USGS 07380335 - Little Lake Near Cutoff	0.81	1.00	0.52	0.37	0.11	0.15	0.17	0.16	0.25	0.16	0.44	0.66
USGS073802516 Barataria Pass at Grand Isle	0.73	0.91	0.37	0.17	0.03	0.03	0.04	0.06	0.11	0.03	0.28	0.53
HWQ14 - Lake Washington	0.60	0.78	0.31	0.02	0.01	0.02	0.07	0.11	0.14	0.05	0.24	0.47
HWQ16 - Bayou Grand Liard	0.83	1.06	0.89	0.83	0.64	0.67	0.47	0.11	0.35	0.26	0.49	0.66
CRMS 3985	0.65	0.92	0.68	0.06	0.03	0.07	0.17	0.37	0.33	0.37	0.66	0.67
CRMS 0258	0.93	1.16	0.65	0.41	0.04	0.00	0.00	0.00	0.03	0.00	0.55	0.94
CRMS 0224	0.82	1.06	0.45	0.33	0.04	0.01	0.01	0.01	0.11	0.03	0.43	0.75
CRMS 0163	1.30	1.26	1.35	1.23	1.31	1.35	0.51	0.48	1.25	1.31	1.39	1.42
CRMS 0162	1.26	1.22	1.26	1.18	1.20	1.32	1.50	1.05	0.48	1.05	1.14	1.28

V3PR5 HYST - cy 3 - 2002 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.21	1.27	1.17	1.20	1.24	1.33	1.35	1.35	1.27	1.28	1.31
CRMS0276 - Just east of Wilkinson Canal	1.19	1.34	1.22	1.07	0.76	0.67	0.18	0.22	0.56	0.53	0.96	1.10
Barataria Waterway at Lafitte (USACE82875)	1.35	1.38	1.46	1.35	1.36	1.14	0.41	0.21	0.92	1.12	1.35	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.18	1.22	1.16	1.20	1.21	0.20	0.02	0.05	0.15	0.80	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.14	1.20	1.17	1.05	0.97	0.70	0.09	0.10	0.15	0.12	0.48	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.23	1.19	1.06	0.98	0.79	0.13	0.09	0.15	0.07	0.50	0.94
USGS 07380335 - Little Lake Near Cutoff	1.13	1.25	1.10	0.98	0.85	0.72	0.28	0.22	0.32	0.19	0.55	0.89
USGS073802516 Barataria Pass at Grand Isle	1.09	1.19	0.84	0.55	0.35	0.20	0.08	0.08	0.19	0.04	0.38	0.74
HWQ14 - Lake Washington	1.05	1.13	0.80	0.42	0.31	0.25	0.17	0.15	0.19	0.11	0.35	0.75
HWQ16 - Bayou Grand Liard	0.97	1.17	0.92	0.81	0.63	0.64	0.49	0.18	0.41	0.33	0.54	0.73
CRMS 3985	1.08	1.15	1.00	0.67	0.45	0.34	0.24	0.28	0.30	0.32	0.55	0.91
CRMS 0258	1.31	1.30	1.12	0.64	0.19	0.20	0.00	0.00	0.04	0.00	0.72	1.07
CRMS 0224	1.23	1.28	1.13	0.84	0.45	0.49	0.02	0.01	0.11	0.03	0.61	1.01
CRMS 0163	1.31	1.27	1.35	1.23	1.31	1.33	0.46	0.50	1.35	1.35	1.39	1.40
CRMS 0162	1.27	1.22	1.25	1.17	1.19	1.32	1.52	1.14	0.62	1.06	1.13	1.28

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.55	0.32	0.98	1.15	1.21	1.24	1.32	1.34	1.33	1.26	1.07	1.05
CRMS0276 - Just east of Wilkinson Canal	0.14	0.01	-0.01	-0.15	-0.20	-0.15	0.00	0.00	0.01	0.02	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.01	0.00	-0.02	-0.03	-0.02	0.05	0.08	0.08	0.03	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.39	0.23	0.97	1.09	1.20	1.21	0.20	0.01	0.03	0.15	0.56	0.75
USGS7380251 Barataria Bay North of Grand Isle	0.51	0.34	0.70	1.03	0.96	0.67	0.02	-0.02	0.01	0.00	0.09	0.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.43	0.32	0.81	0.91	0.96	0.75	0.07	0.02	0.05	0.02	0.17	0.39
USGS 07380335 - Little Lake Near Cutoff	0.32	0.25	0.59	0.61	0.74	0.58	0.11	0.07	0.07	0.03	0.11	0.22
USGS073802516 Barataria Pass at Grand Isle	0.36	0.28	0.47	0.39	0.31	0.17	0.04	0.02	0.07	0.01	0.11	0.22
HWQ14 - Lake Washington	0.45	0.35	0.49	0.40	0.30	0.23	0.10	0.04	0.05	0.06	0.11	0.27
HWQ16 - Bayou Grand Liard	0.14	0.11	0.03	-0.02	-0.01	-0.03	0.02	0.07	0.06	0.07	0.04	0.07
CRMS 3985	0.43	0.23	0.32	0.61	0.42	0.26	0.07	-0.09	-0.03	-0.05	-0.11	0.24
CRMS 0258	0.38	0.14	0.47	0.23	0.16	0.20	0.00	0.00	0.00	0.00	0.17	0.13
CRMS 0224	0.41	0.21	0.68	0.51	0.41	0.48	0.01	0.00	0.00	0.00	0.18	0.26
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.02	-0.05	0.02	0.10	0.04	0.00	-0.02
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.09	0.13	0.01	-0.01	0.00

Figure WQ NO3 136 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	1.02	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.17	0.33
CRMS0276 - Just east of Wilkinson Canal	1.08	1.33	1.33	1.06	0.82	0.32	0.16	0.28	0.61	0.40	0.58	1.15
Barataria Waterway at Lafitte (USACE82875)	1.35	1.35	1.33	1.36	1.26	0.47	0.58	0.45	1.10	0.72	1.11	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	1.07	0.27	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.18	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.99	0.38	0.02	0.01	0.02	0.07	0.14	0.15	0.09	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.03	0.44	0.13	0.02	0.03	0.05	0.08	0.11	0.04	0.14	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	1.09	0.62	0.29	0.11	0.07	0.13	0.21	0.27	0.14	0.13	0.64
USGS073802516 Barataria Pass at Grand Isle	0.84	1.01	0.44	0.13	0.04	0.02	0.03	0.07	0.12	0.02	0.12	0.51
HWQ14 - Lake Washington	0.85	0.94	0.30	0.02	0.01	0.02	0.06	0.12	0.14	0.05	0.19	0.47
HWQ16 - Bayou Grand Liard	0.84	1.10	1.00	0.74	0.67	0.41	0.38	0.21	0.41	0.20	0.21	0.68
CRMS 3985	1.06	1.00	0.44	0.03	0.03	0.07	0.17	0.43	0.36	0.29	0.58	0.94
CRMS 0258	1.05	1.22	0.72	0.34	0.05	0.00	0.00	0.00	0.03	0.00	0.33	0.92
CRMS 0224	0.93	1.14	0.54	0.26	0.05	0.01	0.01	0.01	0.10	0.02	0.21	0.70
CRMS 0163	1.31	1.23	1.19	1.24	1.26	1.11	0.76	0.65	1.39	1.05	1.37	1.34
CRMS 0162	1.28	1.21	1.19	1.19	1.22	1.41	1.52	1.25	0.72	0.44	1.04	1.26

V3PR5 HYST - cy 3 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.31	1.30	1.32	1.34	1.32	1.32	1.26
CRMS0276 - Just east of Wilkinson Canal	1.17	1.35	1.34	0.93	0.67	0.27	0.13	0.27	0.62	0.49	0.80	1.18
Barataria Waterway at Lafitte (USACE82875)	1.36	1.36	1.34	1.35	1.25	0.47	0.62	0.50	1.18	0.81	1.16	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.17	1.14	1.16	1.17	0.38	0.08	0.02	0.05	0.15	0.82	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.13	1.17	1.15	1.05	0.97	0.12	0.09	0.10	0.15	0.10	0.43	0.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.23	1.20	1.06	0.97	0.15	0.08	0.10	0.15	0.07	0.44	0.99
USGS 07380335 - Little Lake Near Cutoff	1.12	1.26	1.24	0.94	0.83	0.19	0.17	0.26	0.34	0.20	0.44	0.94
USGS073802516 Barataria Pass at Grand Isle	1.07	1.20	1.07	0.47	0.35	0.05	0.04	0.12	0.20	0.04	0.32	0.76
HWQ14 - Lake Washington	1.01	1.08	0.93	0.38	0.32	0.08	0.11	0.15	0.19	0.10	0.30	0.69
HWQ16 - Bayou Grand Liard	0.91	1.20	1.11	0.71	0.64	0.40	0.40	0.29	0.44	0.31	0.39	0.79
CRMS 3985	1.05	1.01	1.00	0.61	0.44	0.15	0.20	0.26	0.30	0.29	0.38	0.82
CRMS 0258	1.32	1.31	1.28	0.74	0.26	0.00	0.00	0.00	0.03	0.00	0.65	1.20
CRMS 0224	1.24	1.28	1.27	0.92	0.48	0.01	0.01	0.01	0.10	0.03	0.55	1.09
CRMS 0163	1.32	1.25	1.20	1.24	1.26	1.11	0.77	0.67	1.44	1.18	1.39	1.35
CRMS 0162	1.28	1.21	1.19	1.19	1.21	1.41	1.53	1.30	0.84	0.53	1.04	1.27

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.34	0.17	0.87	1.15	1.17	1.31	1.30	1.32	1.32	1.31	1.15	0.93
CRMS0276 - Just east of Wilkinson Canal	0.09	0.02	0.01	-0.13	-0.15	-0.04	-0.03	-0.01	0.01	0.09	0.22	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.01	-0.01	0.00	0.04	0.06	0.08	0.09	0.05	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.26	0.10	0.87	1.11	1.17	0.38	0.08	0.02	0.04	0.15	0.64	0.74
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.77	1.03	0.96	0.10	0.02	-0.04	0.00	0.01	0.09	0.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.20	0.76	0.93	0.95	0.12	0.03	0.02	0.05	0.02	0.30	0.46
USGS 07380335 - Little Lake Near Cutoff	0.24	0.17	0.62	0.65	0.71	0.12	0.04	0.05	0.07	0.06	0.31	0.30
USGS073802516 Barataria Pass at Grand Isle	0.23	0.19	0.63	0.35	0.31	0.03	0.01	0.04	0.08	0.02	0.20	0.25
HWQ14 - Lake Washington	0.16	0.15	0.63	0.37	0.31	0.06	0.05	0.03	0.04	0.05	0.12	0.22
HWQ16 - Bayou Grand Liard	0.08	0.10	0.11	-0.02	-0.03	-0.01	0.02	0.08	0.03	0.11	0.18	0.11
CRMS 3985	-0.01	0.01	0.56	0.58	0.41	0.09	0.03	-0.17	-0.06	0.00	-0.19	-0.12
CRMS 0258	0.27	0.08	0.56	0.40	0.21	0.00	0.00	0.00	0.01	0.00	0.32	0.27
CRMS 0224	0.32	0.14	0.73	0.66	0.43	0.00	0.00	0.00	0.00	0.01	0.34	0.39
CRMS 0163	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.06	0.13	0.02	0.01
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.06	0.12	0.09	0.00	0.01

Figure WQ NO3 137 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.95	0.32	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.36
CRMS0276 - Just east of Wilkinson Canal	0.93	1.27	1.16	1.10	1.02	0.55	0.11	0.13	0.37	0.51	0.95	1.12
Barataria Waterway at Lafitte (USACE82875)	1.30	1.39	1.44	1.43	1.46	0.97	0.21	0.11	0.62	1.13	1.32	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	0.99	0.28	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.95	0.66	0.02	0.01	0.02	0.12	0.09	0.10	0.12	0.46	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.95	0.45	0.13	0.01	0.02	0.04	0.04	0.08	0.04	0.32	0.58
USGS 07380335 - Little Lake Near Cutoff	0.79	0.99	0.53	0.30	0.08	0.05	0.09	0.07	0.14	0.13	0.43	0.70
USGS073802516 Barataria Pass at Grand Isle	0.78	0.93	0.41	0.15	0.04	0.02	0.02	0.02	0.07	0.02	0.28	0.57
HWQ14 - Lake Washington	0.84	0.88	0.45	0.01	0.01	0.02	0.08	0.07	0.11	0.03	0.26	0.54
HWQ16 - Bayou Grand Liard	0.73	1.00	0.82	0.73	0.62	0.42	0.19	0.05	0.16	0.15	0.49	0.71
CRMS 3985	1.02	1.01	0.91	0.06	0.03	0.10	0.36	0.37	0.29	0.41	0.69	0.96
CRMS 0258	0.91	1.13	0.50	0.40	0.06	0.00	0.00	0.00	0.07	0.03	0.63	0.90
CRMS 0224	0.83	1.05	0.45	0.30	0.06	0.01	0.01	0.01	0.06	0.04	0.46	0.73
CRMS 0163	1.33	1.32	1.38	1.40	1.42	1.28	0.24	0.47	0.80	1.35	1.37	1.36
CRMS 0162	1.27	1.26	1.24	1.15	1.10	1.16	1.11	0.49	0.20	0.91	1.18	1.30

V3PR5 HYST - cy 3 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.27	1.31	1.26	1.29	1.35	1.39	1.38	1.36	1.27	1.25	1.27
CRMS0276 - Just east of Wilkinson Canal	0.99	1.28	1.15	1.08	0.89	0.50	0.10	0.16	0.41	0.53	0.98	1.15
Barataria Waterway at Lafitte (USACE82875)	1.31	1.40	1.47	1.44	1.46	0.98	0.29	0.14	0.61	1.20	1.35	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.21	1.14	0.69	0.91	0.05	0.09	0.03	0.04	0.15	0.73	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.15	0.96	0.49	0.38	0.03	0.08	0.10	0.11	0.10	0.51	0.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.97	1.19	0.90	0.52	0.47	0.04	0.06	0.06	0.11	0.05	0.47	0.88
USGS 07380335 - Little Lake Near Cutoff	0.89	1.16	0.78	0.55	0.40	0.08	0.12	0.12	0.22	0.16	0.52	0.86
USGS073802516 Barataria Pass at Grand Isle	0.89	1.10	0.59	0.35	0.08	0.02	0.02	0.04	0.12	0.02	0.37	0.72
HWQ14 - Lake Washington	0.93	1.04	0.57	0.24	0.08	0.03	0.09	0.15	0.15	0.06	0.32	0.70
HWQ16 - Bayou Grand Liard	0.75	1.05	0.83	0.76	0.54	0.43	0.22	0.06	0.27	0.26	0.55	0.76
CRMS 3985	1.03	1.07	0.83	0.34	0.14	0.08	0.19	0.32	0.27	0.32	0.55	0.89
CRMS 0258	1.10	1.24	0.55	0.42	0.03	0.00	0.00	0.00	0.06	0.00	0.70	1.04
CRMS 0224	1.00	1.21	0.68	0.45	0.09	0.01	0.01	0.01	0.10	0.04	0.55	0.94
CRMS 0163	1.34	1.33	1.40	1.41	1.43	1.29	0.28	0.47	0.89	1.37	1.38	1.37
CRMS 0162	1.26	1.27	1.25	1.13	1.12	1.19	1.17	0.57	0.19	0.99	1.18	1.30

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.49	0.32	1.00	1.24	1.29	1.34	1.39	1.37	1.34	1.27	0.98	0.91
CRMS0276 - Just east of Wilkinson Canal	0.05	0.01	-0.02	-0.02	-0.14	-0.05	0.00	0.03	0.04	0.02	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.03	0.01	0.01	0.01	0.07	0.02	-0.01	0.06	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.25	0.23	0.87	0.61	0.91	0.05	0.08	0.02	0.03	0.14	0.45	0.61
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.20	0.31	0.46	0.37	0.01	-0.05	0.02	0.00	-0.02	0.05	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.24	0.45	0.40	0.46	0.01	0.02	0.02	0.03	0.01	0.15	0.30
USGS 07380335 - Little Lake Near Cutoff	0.11	0.17	0.25	0.25	0.32	0.03	0.03	0.05	0.08	0.03	0.10	0.16
USGS073802516 Barataria Pass at Grand Isle	0.11	0.17	0.18	0.20	0.04	0.00	0.01	0.02	0.05	0.00	0.08	0.15
HWQ14 - Lake Washington	0.09	0.16	0.12	0.22	0.07	0.01	0.01	0.08	0.04	0.04	0.07	0.16
HWQ16 - Bayou Grand Liard	0.02	0.05	0.01	0.03	-0.08	0.01	0.02	0.01	0.11	0.12	0.06	0.05
CRMS 3985	0.01	0.06	-0.08	0.28	0.11	-0.02	-0.17	-0.05	-0.02	-0.09	-0.14	-0.07
CRMS 0258	0.19	0.10	0.05	0.02	-0.03	0.00	0.00	0.00	-0.01	-0.02	0.07	0.14
CRMS 0224	0.17	0.17	0.23	0.15	0.03	0.00	0.00	0.00	0.04	-0.01	0.10	0.21
CRMS 0163	0.01	0.01	0.02	0.01	0.01	0.02	0.04	0.00	0.09	0.03	0.00	0.01
CRMS 0162	-0.01	0.00	0.01	-0.02	0.03	0.03	0.06	0.08	-0.01	0.08	0.00	0.00

Figure WQ NO3 138 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	1.01	0.27	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.15	0.28
CRMS0276 - Just east of Wilkinson Canal	1.03	1.33	1.25	1.08	0.97	0.73	0.40	0.41	0.84	0.54	0.78	1.00
Barataria Waterway at Lafitte (USACE82875)	1.31	1.31	1.41	1.38	1.29	1.07	1.24	0.96	1.35	1.03	1.09	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	1.06	0.25	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.97	0.43	0.02	0.01	0.03	0.07	0.11	0.13	0.10	0.16	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.80	1.04	0.40	0.13	0.02	0.04	0.07	0.09	0.12	0.05	0.25	0.40
USGS 07380335 - Little Lake Near Cutoff	0.81	1.10	0.54	0.29	0.10	0.13	0.21	0.27	0.32	0.18	0.35	0.52
USGS073802516 Barataria Pass at Grand Isle	0.77	1.02	0.40	0.13	0.02	0.03	0.07	0.13	0.15	0.02	0.19	0.36
HWQ14 - Lake Washington	0.78	0.92	0.30	0.02	0.01	0.02	0.07	0.12	0.15	0.06	0.12	0.25
HWQ16 - Bayou Grand Liard	0.83	1.12	0.93	0.74	0.61	0.61	0.64	0.59	0.54	0.36	0.39	0.53
CRMS 3985	1.00	0.98	0.57	0.05	0.04	0.08	0.16	0.34	0.34	0.30	0.21	0.78
CRMS 0258	0.96	1.23	0.63	0.33	0.03	0.00	0.01	0.00	0.07	0.00	0.53	0.79
CRMS 0224	0.84	1.15	0.47	0.26	0.03	0.01	0.01	0.01	0.10	0.01	0.36	0.61
CRMS 0163	1.27	1.20	1.28	1.28	1.34	1.38	1.35	1.08	1.45	1.31	1.39	1.38
CRMS 0162	1.24	1.19	1.24	1.18	1.17	1.35	1.43	1.42	1.20	1.08	1.01	1.20

V3PR5 HYST - cy 3 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.22	1.21	1.23	1.27	1.32	1.30	1.30	1.28	1.35	1.31
CRMS0276 - Just east of Wilkinson Canal	1.16	1.35	1.25	0.97	0.75	0.57	0.37	0.34	0.94	0.61	0.85	1.07
Barataria Waterway at Lafitte (USACE82875)	1.33	1.32	1.41	1.37	1.25	1.03	1.17	0.92	1.44	1.14	1.10	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.14	1.20	1.19	1.21	1.24	1.26	0.51	0.04	0.15	0.86	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.19	1.22	1.02	0.89	0.53	0.59	0.19	0.12	0.10	0.50	0.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.22	1.26	1.03	0.86	0.68	0.76	0.38	0.17	0.10	0.53	0.90
USGS 07380335 - Little Lake Near Cutoff	1.14	1.27	1.27	0.89	0.74	0.58	0.70	0.53	0.43	0.26	0.56	0.85
USGS073802516 Barataria Pass at Grand Isle	1.09	1.25	1.06	0.47	0.30	0.14	0.27	0.26	0.23	0.08	0.42	0.73
HWQ14 - Lake Washington	1.04	1.17	0.98	0.38	0.28	0.19	0.30	0.28	0.19	0.11	0.38	0.74
HWQ16 - Bayou Grand Liard	0.93	1.23	1.04	0.70	0.59	0.56	0.57	0.57	0.59	0.41	0.48	0.68
CRMS 3985	1.10	1.17	1.10	0.59	0.43	0.28	0.32	0.28	0.19	0.23	0.53	0.88
CRMS 0258	1.28	1.30	1.29	0.60	0.09	0.07	0.15	0.00	0.09	0.00	0.79	1.16
CRMS 0224	1.23	1.27	1.31	0.75	0.36	0.32	0.54	0.05	0.12	0.07	0.66	1.00
CRMS 0163	1.28	1.20	1.29	1.29	1.34	1.34	1.29	1.01	1.50	1.36	1.37	1.39
CRMS 0162	1.25	1.19	1.22	1.17	1.17	1.36	1.44	1.45	1.26	1.16	1.00	1.22

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.15	0.95	1.20	1.23	1.27	1.31	1.30	1.27	1.28	1.20	1.03
CRMS0276 - Just east of Wilkinson Canal	0.13	0.02	0.00	-0.11	-0.21	-0.16	-0.04	-0.07	0.09	0.07	0.08	0.07
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.01	-0.03	-0.05	-0.07	-0.04	0.09	0.11	0.00	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.33	0.08	0.95	1.15	1.21	1.24	1.26	0.51	0.01	0.14	0.64	0.73
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.22	0.79	1.00	0.88	0.50	0.52	0.08	-0.01	0.01	0.33	0.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.39	0.18	0.86	0.90	0.84	0.64	0.68	0.29	0.06	0.05	0.29	0.50
USGS 07380335 - Little Lake Near Cutoff	0.33	0.17	0.72	0.60	0.64	0.45	0.49	0.26	0.11	0.08	0.21	0.34
USGS073802516 Barataria Pass at Grand Isle	0.32	0.22	0.65	0.34	0.28	0.11	0.20	0.13	0.08	0.05	0.23	0.37
HWQ14 - Lake Washington	0.26	0.25	0.67	0.36	0.28	0.17	0.23	0.16	0.05	0.06	0.27	0.48
HWQ16 - Bayou Grand Liard	0.10	0.10	0.10	-0.05	-0.02	-0.05	-0.06	-0.03	0.06	0.05	0.09	0.16
CRMS 3985	0.10	0.19	0.53	0.54	0.39	0.20	0.15	-0.06	-0.14	-0.07	0.32	0.11
CRMS 0258	0.32	0.08	0.67	0.27	0.07	0.07	0.15	0.00	0.02	0.00	0.26	0.37
CRMS 0224	0.39	0.12	0.84	0.49	0.33	0.31	0.53	0.05	0.02	0.06	0.30	0.40
CRMS 0163	0.01	0.01	0.00	0.00	0.00	-0.03	-0.06	-0.07	0.05	0.05	-0.02	0.01
CRMS 0162	0.00	0.00	-0.01	-0.01	0.00	0.01	0.01	0.03	0.06	0.08	-0.01	0.02

Figure WQ NO3 139 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.91	0.87	0.34	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.35
CRMS0276 - Just east of Wilkinson Canal	1.13	1.24	1.28	1.23	1.18	0.42	0.19	0.30	0.74	0.50	0.62	1.25
Barataria Waterway at Lafitte (USACE82875)	1.38	1.48	1.38	1.38	1.28	0.89	0.85	0.53	1.18	0.85	1.05	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.95	0.98	0.40	0.15	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.43
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.75	0.51	0.06	0.01	0.02	0.06	0.08	0.13	0.09	0.29	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.91	0.94	0.40	0.20	0.03	0.04	0.06	0.08	0.10	0.05	0.19	0.55
USGS 07380335 - Little Lake Near Cutoff	0.93	0.99	0.56	0.39	0.21	0.10	0.15	0.25	0.29	0.17	0.21	0.68
USGS073802516 Barataria Pass at Grand Isle	0.88	0.93	0.32	0.20	0.08	0.02	0.04	0.11	0.13	0.03	0.15	0.55
HWQ14 - Lake Washington	0.86	0.81	0.26	0.03	0.01	0.02	0.07	0.08	0.14	0.06	0.17	0.47
HWQ16 - Bayou Grand Liard	0.90	0.98	0.86	0.84	0.81	0.54	0.57	0.52	0.50	0.33	0.24	0.76
CRMS 3985	0.97	0.70	0.76	0.09	0.03	0.06	0.15	0.24	0.32	0.27	0.49	0.94
CRMS 0258	1.08	1.14	0.96	0.53	0.13	0.00	0.00	0.00	0.04	0.00	0.43	0.93
CRMS 0224	0.98	1.06	0.63	0.41	0.12	0.01	0.01	0.01	0.08	0.01	0.28	0.72
CRMS 0163	1.36	1.44	1.25	1.27	1.13	1.28	1.21	0.76	1.43	1.26	1.36	1.26
CRMS 0162	1.28	1.24	1.22	1.20	1.11	1.27	1.44	1.43	1.12	0.83	1.01	1.23

V3PR5 HYST - cy 3 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.20	1.19	1.06	1.18	1.31	1.30	1.30	1.34	1.33	1.20
CRMS0276 - Just east of Wilkinson Canal	1.25	1.24	1.27	1.15	1.05	0.40	0.28	0.27	0.80	0.55	0.73	1.27
Barataria Waterway at Lafitte (USACE82875)	1.40	1.45	1.38	1.39	1.29	0.90	0.76	0.59	1.27	0.91	1.09	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	1.17	1.18	1.06	1.17	1.25	0.03	0.05	0.16	0.87	1.18
USGS7380251 Barataria Bay North of Grand Isle	1.17	1.12	1.16	1.09	0.98	0.59	0.42	0.08	0.13	0.10	0.49	1.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.20	1.20	1.13	1.01	0.71	0.62	0.14	0.16	0.09	0.50	1.21
USGS 07380335 - Little Lake Near Cutoff	1.19	1.18	1.20	1.07	0.96	0.59	0.57	0.38	0.39	0.24	0.47	1.18
USGS073802516 Barataria Pass at Grand Isle	1.16	1.13	1.04	0.62	0.49	0.11	0.18	0.12	0.22	0.06	0.37	1.06
HWQ14 - Lake Washington	1.11	1.09	0.96	0.49	0.40	0.15	0.25	0.20	0.19	0.11	0.37	0.96
HWQ16 - Bayou Grand Liard	0.98	1.03	1.01	0.89	0.81	0.48	0.52	0.56	0.55	0.37	0.36	0.93
CRMS 3985	1.08	1.08	1.11	0.73	0.55	0.25	0.28	0.25	0.22	0.24	0.53	1.07
CRMS 0258	1.45	1.34	1.26	0.85	0.38	0.14	0.10	0.00	0.06	0.00	0.72	1.26
CRMS 0224	1.32	1.27	1.24	0.99	0.69	0.38	0.33	0.01	0.11	0.05	0.61	1.22
CRMS 0163	1.36	1.41	1.26	1.28	1.14	1.28	1.09	0.80	1.46	1.31	1.37	1.27
CRMS 0162	1.27	1.24	1.21	1.18	1.12	1.27	1.44	1.46	1.17	1.00	1.02	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.47	0.85	1.11	1.06	1.18	1.31	1.29	1.28	1.33	1.15	0.85
CRMS0276 - Just east of Wilkinson Canal	0.12	0.00	-0.01	-0.07	-0.13	-0.02	0.09	-0.04	0.06	0.05	0.11	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.03	0.00	0.00	0.01	0.02	-0.09	0.06	0.09	0.06	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.24	0.29	0.77	1.03	1.06	1.17	1.25	0.02	0.04	0.15	0.66	0.75
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.37	0.66	1.03	0.97	0.56	0.36	0.00	0.00	0.01	0.20	0.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.31	0.26	0.80	0.93	0.98	0.67	0.56	0.06	0.06	0.04	0.31	0.65
USGS 07380335 - Little Lake Near Cutoff	0.25	0.18	0.64	0.67	0.74	0.49	0.42	0.13	0.10	0.07	0.27	0.50
USGS073802516 Barataria Pass at Grand Isle	0.27	0.20	0.72	0.42	0.41	0.08	0.14	0.01	0.09	0.04	0.21	0.51
HWQ14 - Lake Washington	0.26	0.28	0.70	0.46	0.39	0.12	0.18	0.13	0.05	0.06	0.19	0.48
HWQ16 - Bayou Grand Liard	0.08	0.06	0.15	0.05	0.00	-0.06	-0.04	0.04	0.05	0.05	0.13	0.17
CRMS 3985	0.11	0.39	0.35	0.64	0.52	0.19	0.13	0.01	-0.10	-0.03	0.04	0.13
CRMS 0258	0.37	0.20	0.31	0.32	0.26	0.14	0.10	0.00	0.02	0.00	0.29	0.32
CRMS 0224	0.34	0.21	0.61	0.57	0.57	0.38	0.32	0.00	0.03	0.04	0.33	0.50
CRMS 0163	-0.01	-0.03	0.01	0.00	0.01	0.00	-0.12	0.04	0.03	0.05	0.01	0.01
CRMS 0162	-0.01	0.00	-0.01	-0.01	0.01	0.00	0.00	0.03	0.06	0.17	0.01	0.00

Figure WQ NO3 140 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.88	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.01	0.21	0.26
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.23	1.22	0.96	0.82	0.18	0.22	0.55	0.50	0.92	1.08
Barataria Waterway at Lafitte (USACE82875)	1.33	1.37	1.45	1.35	1.38	1.16	0.42	0.16	0.84	1.04	1.32	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.95	0.25	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.25	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.63	0.86	0.47	0.03	0.01	0.03	0.07	0.12	0.14	0.13	0.40	0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.73	0.92	0.39	0.15	0.02	0.04	0.06	0.07	0.10	0.05	0.33	0.55
USGS 07380335 - Little Lake Near Cutoff	0.81	1.00	0.52	0.37	0.11	0.15	0.17	0.16	0.25	0.16	0.44	0.66
USGS073802516 Barataria Pass at Grand Isle	0.73	0.91	0.37	0.17	0.03	0.03	0.04	0.06	0.11	0.03	0.28	0.53
HWQ14 - Lake Washington	0.60	0.78	0.31	0.02	0.01	0.02	0.07	0.11	0.14	0.05	0.24	0.47
HWQ16 - Bayou Grand Liard	0.83	1.06	0.89	0.83	0.64	0.67	0.47	0.11	0.35	0.26	0.49	0.66
CRMS 3985	0.65	0.92	0.68	0.06	0.03	0.07	0.17	0.37	0.33	0.37	0.66	0.67
CRMS 0258	0.93	1.16	0.65	0.41	0.04	0.00	0.00	0.00	0.03	0.00	0.55	0.94
CRMS 0224	0.82	1.06	0.45	0.33	0.04	0.01	0.01	0.01	0.11	0.03	0.43	0.75
CRMS 0163	1.30	1.26	1.35	1.23	1.31	1.35	0.51	0.48	1.25	1.31	1.39	1.42
CRMS 0162	1.26	1.22	1.26	1.18	1.20	1.32	1.50	1.05	0.48	1.05	1.14	1.28

V3PR6 HYST - cy 3 - 2002 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.21	1.27	1.17	1.21	1.24	1.37	1.42	1.38	1.29	1.31	1.31
CRMS0276 - Just east of Wilkinson Canal	1.19	1.33	1.22	1.08	0.77	0.74	0.21	0.23	0.60	0.54	0.98	1.10
Barataria Waterway at Lafitte (USACE82875)	1.34	1.39	1.46	1.36	1.30	1.11	0.36	0.22	0.94	1.14	1.37	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.19	1.21	1.16	1.20	1.23	0.16	0.01	0.08	0.20	0.80	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.21	1.24	1.17	1.20	1.15	0.14	0.08	0.14	0.14	0.42	0.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.22	1.30	1.18	1.22	1.21	0.23	0.08	0.15	0.07	0.52	0.95
USGS 07380335 - Little Lake Near Cutoff	1.17	1.25	1.29	1.19	1.20	1.16	0.35	0.18	0.32	0.17	0.57	0.91
USGS073802516 Barataria Pass at Grand Isle	1.15	1.23	1.08	0.89	0.69	0.67	0.15	0.09	0.21	0.05	0.41	0.73
HWQ14 - Lake Washington	1.12	1.18	0.99	0.77	0.58	0.61	0.24	0.14	0.19	0.14	0.35	0.69
HWQ16 - Bayou Grand Liard	0.96	1.21	1.01	1.00	0.80	0.82	0.52	0.19	0.43	0.35	0.55	0.72
CRMS 3985	1.13	1.21	1.13	1.03	0.86	0.72	0.30	0.25	0.29	0.33	0.41	0.91
CRMS 0258	1.33	1.29	1.31	1.19	0.85	0.67	0.00	0.00	0.03	0.00	0.70	1.09
CRMS 0224	1.25	1.25	1.33	1.20	1.09	1.06	0.04	0.01	0.09	0.04	0.61	1.02
CRMS 0163	1.31	1.27	1.35	1.24	1.32	1.31	0.44	0.54	1.38	1.35	1.40	1.39
CRMS 0162	1.27	1.23	1.24	1.17	1.20	1.32	1.51	1.14	0.61	1.09	1.14	1.26

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.57	0.33	0.99	1.15	1.21	1.24	1.37	1.41	1.36	1.29	1.10	1.05
CRMS0276 - Just east of Wilkinson Canal	0.13	0.00	0.00	-0.14	-0.19	-0.08	0.04	0.01	0.05	0.04	0.05	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.01	0.01	-0.08	-0.06	-0.06	0.07	0.10	0.10	0.05	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.40	0.24	0.96	1.10	1.20	1.22	0.16	0.01	0.07	0.20	0.55	0.73
USGS7380251 Barataria Bay North of Grand Isle	0.56	0.35	0.77	1.14	1.19	1.12	0.07	-0.04	0.00	0.01	0.02	0.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.47	0.30	0.91	1.02	1.20	1.17	0.17	0.01	0.05	0.02	0.19	0.40
USGS 07380335 - Little Lake Near Cutoff	0.36	0.24	0.77	0.82	1.10	1.02	0.18	0.02	0.07	0.01	0.13	0.25
USGS073802516 Barataria Pass at Grand Isle	0.42	0.32	0.71	0.72	0.66	0.63	0.11	0.04	0.10	0.02	0.13	0.20
HWQ14 - Lake Washington	0.51	0.40	0.68	0.76	0.57	0.59	0.17	0.03	0.05	0.09	0.11	0.22
HWQ16 - Bayou Grand Liard	0.13	0.14	0.12	0.17	0.16	0.15	0.05	0.08	0.08	0.10	0.06	0.06
CRMS 3985	0.48	0.29	0.45	0.97	0.83	0.65	0.13	-0.12	-0.04	-0.04	-0.24	0.25
CRMS 0258	0.39	0.13	0.66	0.78	0.81	0.67	0.00	0.00	0.00	0.00	0.15	0.15
CRMS 0224	0.43	0.18	0.88	0.87	1.05	1.05	0.03	0.00	-0.02	0.01	0.17	0.28
CRMS 0163	0.01	0.02	0.01	0.01	0.01	-0.04	-0.08	0.06	0.12	0.05	0.01	-0.02
CRMS 0162	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.09	0.12	0.04	0.00	-0.02

Figure WQ NO3 141 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	1.02	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.17	0.33
CRMS0276 - Just east of Wilkinson Canal	1.08	1.33	1.33	1.06	0.82	0.32	0.16	0.28	0.61	0.40	0.58	1.15
Barataria Waterway at Lafitte (USACE82875)	1.35	1.35	1.33	1.36	1.26	0.47	0.58	0.45	1.10	0.72	1.11	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	1.07	0.27	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.18	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.99	0.38	0.02	0.01	0.02	0.07	0.14	0.15	0.09	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.03	0.44	0.13	0.02	0.03	0.05	0.08	0.11	0.04	0.14	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	1.09	0.62	0.29	0.11	0.07	0.13	0.21	0.27	0.14	0.13	0.64
USGS073802516 Barataria Pass at Grand Isle	0.84	1.01	0.44	0.13	0.04	0.02	0.03	0.07	0.12	0.02	0.12	0.51
HWQ14 - Lake Washington	0.85	0.94	0.30	0.02	0.01	0.02	0.06	0.12	0.14	0.05	0.19	0.47
HWQ16 - Bayou Grand Liard	0.84	1.10	1.00	0.74	0.67	0.41	0.38	0.21	0.41	0.20	0.21	0.68
CRMS 3985	1.06	1.00	0.44	0.03	0.03	0.07	0.17	0.43	0.36	0.29	0.58	0.94
CRMS 0258	1.05	1.22	0.72	0.34	0.05	0.00	0.00	0.00	0.03	0.00	0.33	0.92
CRMS 0224	0.93	1.14	0.54	0.26	0.05	0.01	0.01	0.01	0.10	0.02	0.21	0.70
CRMS 0163	1.31	1.23	1.19	1.24	1.26	1.11	0.76	0.65	1.39	1.05	1.37	1.34
CRMS 0162	1.28	1.21	1.19	1.19	1.22	1.41	1.52	1.25	0.72	0.44	1.04	1.26

V3PR6 HYST - cy 3 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.19	1.15	1.17	1.17	1.34	1.35	1.39	1.37	1.36	1.34	1.28
CRMS0276 - Just east of Wilkinson Canal	1.19	1.34	1.35	0.97	0.73	0.26	0.15	0.30	0.66	0.51	0.84	1.18
Barataria Waterway at Lafitte (USACE82875)	1.37	1.37	1.35	1.35	1.21	0.47	0.62	0.54	1.21	0.84	1.18	1.44
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.18	1.15	1.17	1.17	0.39	0.03	0.01	0.09	0.21	0.82	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.06	1.19	1.17	1.18	1.19	0.22	0.09	0.09	0.15	0.10	0.41	0.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.20	1.18	1.19	1.19	0.34	0.07	0.09	0.16	0.07	0.48	1.04
USGS 07380335 - Little Lake Near Cutoff	1.17	1.24	1.22	1.21	1.20	0.29	0.12	0.23	0.35	0.19	0.48	1.01
USGS073802516 Barataria Pass at Grand Isle	1.07	1.21	1.21	0.82	0.68	0.14	0.04	0.14	0.23	0.06	0.36	0.81
HWQ14 - Lake Washington	0.91	1.11	1.15	0.69	0.60	0.15	0.13	0.16	0.19	0.12	0.33	0.69
HWQ16 - Bayou Grand Liard	0.95	1.23	1.21	0.93	0.81	0.47	0.41	0.29	0.48	0.32	0.42	0.80
CRMS 3985	0.87	1.13	1.19	1.00	0.91	0.24	0.23	0.23	0.30	0.24	0.39	0.66
CRMS 0258	1.32	1.27	1.24	1.25	0.97	0.00	0.01	0.00	0.03	0.00	0.66	1.20
CRMS 0224	1.26	1.23	1.21	1.23	1.13	0.04	0.01	0.02	0.09	0.04	0.58	1.11
CRMS 0163	1.33	1.25	1.20	1.25	1.27	1.12	0.83	0.71	1.45	1.22	1.39	1.37
CRMS 0162	1.28	1.22	1.18	1.19	1.21	1.41	1.53	1.29	0.85	0.57	1.04	1.30

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.34	0.17	0.87	1.15	1.17	1.34	1.34	1.38	1.35	1.35	1.17	0.95
CRMS0276 - Just east of Wilkinson Canal	0.11	0.01	0.02	-0.09	-0.09	-0.06	-0.01	0.02	0.05	0.11	0.26	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.02	-0.01	-0.05	0.00	0.04	0.09	0.11	0.12	0.07	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.25	0.11	0.88	1.11	1.17	0.39	0.02	0.01	0.08	0.21	0.64	0.74
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.20	0.79	1.16	1.18	0.20	0.02	-0.05	0.00	0.01	0.07	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.17	0.73	1.06	1.17	0.31	0.02	0.02	0.06	0.03	0.34	0.51
USGS 07380335 - Little Lake Near Cutoff	0.29	0.15	0.60	0.92	1.08	0.22	-0.01	0.02	0.08	0.05	0.35	0.38
USGS073802516 Barataria Pass at Grand Isle	0.23	0.20	0.77	0.69	0.64	0.12	0.01	0.07	0.12	0.04	0.24	0.30
HWQ14 - Lake Washington	0.06	0.18	0.85	0.68	0.59	0.13	0.07	0.05	0.04	0.07	0.14	0.22
HWQ16 - Bayou Grand Liard	0.11	0.13	0.21	0.19	0.15	0.06	0.04	0.08	0.06	0.12	0.21	0.13
CRMS 3985	-0.19	0.14	0.75	0.97	0.88	0.17	0.05	-0.20	-0.06	-0.05	-0.19	-0.28
CRMS 0258	0.27	0.05	0.52	0.90	0.92	0.00	0.00	0.00	0.01	0.00	0.33	0.27
CRMS 0224	0.33	0.09	0.66	0.97	1.08	0.03	0.01	0.01	-0.01	0.03	0.37	0.41
CRMS 0163	0.02	0.02	0.01	0.01	0.01	0.01	0.06	0.06	0.07	0.17	0.02	0.03
CRMS 0162	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.14	0.13	0.00	0.03

Figure WQ NO3 142 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.95	0.32	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.36
CRMS0276 - Just east of Wilkinson Canal	0.93	1.27	1.16	1.10	1.02	0.55	0.11	0.13	0.37	0.51	0.95	1.12
Barataria Waterway at Lafitte (USACE82875)	1.30	1.39	1.44	1.43	1.46	0.97	0.21	0.11	0.62	1.13	1.32	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	0.99	0.28	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.95	0.66	0.02	0.01	0.02	0.12	0.09	0.10	0.12	0.46	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.95	0.45	0.13	0.01	0.02	0.04	0.04	0.08	0.04	0.32	0.58
USGS 07380335 - Little Lake Near Cutoff	0.79	0.99	0.53	0.30	0.08	0.05	0.09	0.07	0.14	0.13	0.43	0.70
USGS073802516 Barataria Pass at Grand Isle	0.78	0.93	0.41	0.15	0.04	0.02	0.02	0.02	0.07	0.02	0.28	0.57
HWQ14 - Lake Washington	0.84	0.88	0.45	0.01	0.01	0.02	0.08	0.07	0.11	0.03	0.26	0.54
HWQ16 - Bayou Grand Liard	0.73	1.00	0.82	0.73	0.62	0.42	0.19	0.05	0.16	0.15	0.49	0.71
CRMS 3985	1.02	1.01	0.91	0.06	0.03	0.10	0.36	0.37	0.29	0.41	0.69	0.96
CRMS 0258	0.91	1.13	0.50	0.40	0.06	0.00	0.00	0.00	0.07	0.03	0.63	0.90
CRMS 0224	0.83	1.05	0.45	0.30	0.06	0.01	0.01	0.01	0.06	0.04	0.46	0.73
CRMS 0163	1.33	1.32	1.38	1.40	1.42	1.28	0.24	0.47	0.80	1.35	1.37	1.36
CRMS 0162	1.27	1.26	1.24	1.15	1.10	1.16	1.11	0.49	0.20	0.91	1.18	1.30

V3PR6 HYST - cy 3 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.28	1.33	1.28	1.30	1.37	1.44	1.42	1.40	1.31	1.28	1.29
CRMS0276 - Just east of Wilkinson Canal	0.99	1.29	1.13	1.11	0.81	0.47	0.11	0.16	0.41	0.55	1.00	1.18
Barataria Waterway at Lafitte (USACE82875)	1.34	1.42	1.48	1.45	1.46	1.01	0.30	0.17	0.61	1.22	1.38	1.44
USGS2928590900040000 Barataria Waterway South of Lafitte	1.08	1.21	1.13	0.72	0.87	0.02	0.03	0.01	0.06	0.14	0.71	1.00
USGS7380251 Barataria Bay North of Grand Isle	0.81	1.13	0.92	0.54	0.69	0.03	0.07	0.09	0.11	0.11	0.40	0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.89	1.22	0.96	0.63	0.86	0.04	0.05	0.05	0.10	0.04	0.45	0.83
USGS 07380335 - Little Lake Near Cutoff	0.86	1.20	0.88	0.65	0.76	0.04	0.07	0.08	0.19	0.13	0.52	0.84
USGS073802516 Barataria Pass at Grand Isle	0.82	1.10	0.62	0.44	0.24	0.02	0.02	0.05	0.13	0.03	0.36	0.67
HWQ14 - Lake Washington	0.75	0.98	0.48	0.29	0.15	0.03	0.08	0.12	0.16	0.09	0.29	0.60
HWQ16 - Bayou Grand Liard	0.76	1.06	0.83	0.81	0.58	0.42	0.21	0.06	0.27	0.28	0.56	0.79
CRMS 3985	0.74	0.93	0.61	0.37	0.28	0.08	0.17	0.29	0.27	0.33	0.39	0.78
CRMS 0258	1.08	1.26	0.71	0.51	0.06	0.00	0.01	0.00	0.05	0.00	0.66	1.07
CRMS 0224	0.95	1.24	0.85	0.58	0.28	0.01	0.01	0.01	0.08	0.03	0.53	0.93
CRMS 0163	1.35	1.35	1.41	1.40	1.43	1.33	0.35	0.54	0.90	1.39	1.39	1.38
CRMS 0162	1.27	1.28	1.24	1.15	1.10	1.25	1.22	0.65	0.18	1.06	1.18	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.49	0.33	1.01	1.26	1.30	1.37	1.43	1.42	1.39	1.30	1.00	0.93
CRMS0276 - Just east of Wilkinson Canal	0.06	0.02	-0.04	0.01	-0.21	-0.08	0.00	0.04	0.04	0.04	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.04	0.02	0.04	0.01	0.00	0.04	0.08	0.06	-0.01	0.09	0.06	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.22	0.86	0.64	0.87	0.02	0.03	0.01	0.05	0.13	0.43	0.58
USGS7380251 Barataria Bay North of Grand Isle	-0.12	0.18	0.26	0.52	0.68	0.00	-0.06	0.00	0.01	-0.01	-0.06	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.27	0.51	0.50	0.85	0.02	0.01	0.01	0.03	0.01	0.12	0.24
USGS 07380335 - Little Lake Near Cutoff	0.08	0.21	0.34	0.35	0.68	-0.01	-0.02	0.01	0.05	0.00	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.04	0.17	0.21	0.30	0.20	0.00	0.01	0.03	0.06	0.01	0.08	0.10
HWQ14 - Lake Washington	-0.08	0.10	0.04	0.28	0.15	0.01	0.00	0.05	0.05	0.06	0.03	0.05
HWQ16 - Bayou Grand Liard	0.03	0.06	0.01	0.08	-0.04	0.00	0.02	0.01	0.11	0.13	0.07	0.08
CRMS 3985	-0.28	-0.07	-0.30	0.31	0.25	-0.02	-0.19	-0.08	-0.02	-0.08	-0.30	-0.18
CRMS 0258	0.17	0.12	0.21	0.11	0.01	0.00	0.00	0.00	-0.01	-0.02	0.04	0.16
CRMS 0224	0.12	0.20	0.40	0.28	0.22	0.00	0.00	0.00	0.03	-0.02	0.07	0.20
CRMS 0163	0.02	0.03	0.03	0.01	0.01	0.05	0.11	0.07	0.10	0.04	0.01	0.02
CRMS 0162	0.00	0.01	0.00	-0.01	0.00	0.09	0.11	0.16	-0.01	0.14	0.00	0.02

Figure WQ NO3 143 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	1.01	0.27	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.15	0.28
CRMS0276 - Just east of Wilkinson Canal	1.03	1.33	1.25	1.08	0.97	0.73	0.40	0.41	0.84	0.54	0.78	1.00
Barataria Waterway at Lafitte (USACE82875)	1.31	1.31	1.41	1.38	1.29	1.07	1.24	0.96	1.35	1.03	1.09	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	1.06	0.25	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.97	0.43	0.02	0.01	0.03	0.07	0.11	0.13	0.10	0.16	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.80	1.04	0.40	0.13	0.02	0.04	0.07	0.09	0.12	0.05	0.25	0.40
USGS 07380335 - Little Lake Near Cutoff	0.81	1.10	0.54	0.29	0.10	0.13	0.21	0.27	0.32	0.18	0.35	0.52
USGS073802516 Barataria Pass at Grand Isle	0.77	1.02	0.40	0.13	0.02	0.03	0.07	0.13	0.15	0.02	0.19	0.36
HWQ14 - Lake Washington	0.78	0.92	0.30	0.02	0.01	0.02	0.07	0.12	0.15	0.06	0.12	0.25
HWQ16 - Bayou Grand Liard	0.83	1.12	0.93	0.74	0.61	0.61	0.64	0.59	0.54	0.36	0.39	0.53
CRMS 3985	1.00	0.98	0.57	0.05	0.04	0.08	0.16	0.34	0.34	0.30	0.21	0.78
CRMS 0258	0.96	1.23	0.63	0.33	0.03	0.00	0.01	0.00	0.07	0.00	0.53	0.79
CRMS 0224	0.84	1.15	0.47	0.26	0.03	0.01	0.01	0.01	0.10	0.01	0.36	0.61
CRMS 0163	1.27	1.20	1.28	1.28	1.34	1.38	1.35	1.08	1.45	1.31	1.39	1.38
CRMS 0162	1.24	1.19	1.24	1.18	1.17	1.35	1.43	1.42	1.20	1.08	1.01	1.20

V3PR6 HYST - cy 3 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.23	1.27	1.32	1.33	1.34	1.31	1.37	1.31
CRMS0276 - Just east of Wilkinson Canal	1.20	1.35	1.31	0.95	0.75	0.61	0.70	0.51	0.95	0.62	0.88	1.08
Barataria Waterway at Lafitte (USACE82875)	1.33	1.34	1.42	1.34	1.23	0.96	1.07	0.86	1.46	1.17	1.14	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.15	1.21	1.20	1.22	1.26	1.28	0.56	0.05	0.18	0.85	1.07
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.17	1.24	1.17	1.12	1.13	1.07	0.45	0.12	0.11	0.48	0.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.18	1.26	1.19	1.17	1.20	1.25	0.68	0.16	0.08	0.56	0.93
USGS 07380335 - Little Lake Near Cutoff	1.22	1.22	1.31	1.18	1.06	1.10	1.17	0.80	0.40	0.21	0.58	0.89
USGS073802516 Barataria Pass at Grand Isle	1.18	1.25	1.26	0.80	0.63	0.50	0.66	0.42	0.23	0.08	0.45	0.76
HWQ14 - Lake Washington	1.11	1.21	1.17	0.66	0.55	0.52	0.55	0.40	0.21	0.12	0.40	0.77
HWQ16 - Bayou Grand Liard	1.02	1.27	1.18	0.90	0.73	0.73	0.70	0.65	0.60	0.42	0.50	0.70
CRMS 3985	1.18	1.22	1.24	0.95	0.78	0.63	0.53	0.39	0.22	0.24	0.53	0.99
CRMS 0258	1.27	1.24	1.35	1.11	0.61	0.37	0.51	0.01	0.08	0.00	0.78	1.18
CRMS 0224	1.24	1.20	1.31	1.17	0.88	0.91	1.17	0.38	0.09	0.06	0.66	1.01
CRMS 0163	1.28	1.21	1.29	1.29	1.34	1.30	1.21	0.97	1.50	1.37	1.38	1.39
CRMS 0162	1.25	1.19	1.22	1.17	1.17	1.36	1.44	1.45	1.25	1.18	0.98	1.22

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.38	0.15	0.95	1.20	1.24	1.27	1.31	1.33	1.31	1.31	1.22	1.04
CRMS0276 - Just east of Wilkinson Canal	0.18	0.01	0.07	-0.13	-0.22	-0.12	0.30	0.10	0.11	0.08	0.10	0.08
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.00	-0.04	-0.06	-0.11	-0.17	-0.10	0.11	0.15	0.04	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.34	0.09	0.96	1.16	1.22	1.26	1.28	0.56	0.03	0.18	0.63	0.70
USGS7380251 Barataria Bay North of Grand Isle	0.31	0.20	0.81	1.15	1.11	1.10	1.00	0.34	-0.02	0.01	0.32	0.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.42	0.14	0.85	1.06	1.15	1.16	1.17	0.59	0.04	0.04	0.32	0.54
USGS 07380335 - Little Lake Near Cutoff	0.41	0.12	0.77	0.89	0.95	0.97	0.96	0.53	0.08	0.04	0.23	0.37
USGS073802516 Barataria Pass at Grand Isle	0.41	0.23	0.85	0.67	0.61	0.47	0.59	0.30	0.08	0.06	0.26	0.40
HWQ14 - Lake Washington	0.33	0.29	0.87	0.64	0.54	0.49	0.47	0.28	0.06	0.07	0.28	0.52
HWQ16 - Bayou Grand Liard	0.19	0.15	0.25	0.16	0.13	0.12	0.07	0.06	0.06	0.07	0.11	0.18
CRMS 3985	0.17	0.25	0.67	0.90	0.75	0.55	0.37	0.05	-0.12	-0.06	0.33	0.21
CRMS 0258	0.31	0.02	0.72	0.79	0.59	0.37	0.51	0.00	0.01	0.00	0.25	0.38
CRMS 0224	0.40	0.05	0.84	0.91	0.85	0.90	1.16	0.37	-0.01	0.05	0.30	0.40
CRMS 0163	0.02	0.01	0.01	0.01	0.00	-0.08	-0.14	-0.11	0.05	0.06	-0.02	0.01
CRMS 0162	0.00	0.00	-0.01	-0.01	0.00	0.01	0.01	0.03	0.05	0.10	-0.03	0.02

Figure WQ NO3 144 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.91	0.87	0.34	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.35
CRMS0276 - Just east of Wilkinson Canal	1.13	1.24	1.28	1.23	1.18	0.42	0.19	0.30	0.74	0.50	0.62	1.25
Barataria Waterway at Lafitte (USACE82875)	1.38	1.48	1.38	1.38	1.28	0.89	0.85	0.53	1.18	0.85	1.05	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.95	0.98	0.40	0.15	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.43
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.75	0.51	0.06	0.01	0.02	0.06	0.08	0.13	0.09	0.29	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.91	0.94	0.40	0.20	0.03	0.04	0.06	0.08	0.10	0.05	0.19	0.55
USGS 07380335 - Little Lake Near Cutoff	0.93	0.99	0.56	0.39	0.21	0.10	0.15	0.25	0.29	0.17	0.21	0.68
USGS073802516 Barataria Pass at Grand Isle	0.88	0.93	0.32	0.20	0.08	0.02	0.04	0.11	0.13	0.03	0.15	0.55
HWQ14 - Lake Washington	0.86	0.81	0.26	0.03	0.01	0.02	0.07	0.08	0.14	0.06	0.17	0.47
HWQ16 - Bayou Grand Liard	0.90	0.98	0.86	0.84	0.81	0.54	0.57	0.52	0.50	0.33	0.24	0.76
CRMS 3985	0.97	0.70	0.76	0.09	0.03	0.06	0.15	0.24	0.32	0.27	0.49	0.94
CRMS 0258	1.08	1.14	0.96	0.53	0.13	0.00	0.00	0.00	0.04	0.00	0.43	0.93
CRMS 0224	0.98	1.06	0.63	0.41	0.12	0.01	0.01	0.01	0.08	0.01	0.28	0.72
CRMS 0163	1.36	1.44	1.25	1.27	1.13	1.28	1.21	0.76	1.43	1.26	1.36	1.26
CRMS 0162	1.28	1.24	1.22	1.20	1.11	1.27	1.44	1.43	1.12	0.83	1.01	1.23

V3PR6 HYST - cy 3 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.20	1.19	1.06	1.18	1.31	1.34	1.34	1.36	1.35	1.20
CRMS0276 - Just east of Wilkinson Canal	1.26	1.24	1.28	1.23	1.02	0.49	0.58	0.28	0.80	0.56	0.80	1.28
Barataria Waterway at Lafitte (USACE82875)	1.39	1.45	1.39	1.39	1.30	0.82	0.60	0.57	1.30	0.93	1.10	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.25	1.18	1.19	1.06	1.18	1.27	0.03	0.07	0.21	0.87	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.17	1.18	1.20	1.11	1.13	1.00	0.09	0.13	0.11	0.50	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.28	1.24	1.20	1.21	1.11	1.17	1.20	0.16	0.16	0.09	0.55	1.21
USGS 07380335 - Little Lake Near Cutoff	1.24	1.22	1.22	1.23	1.14	1.09	1.10	0.34	0.37	0.21	0.53	1.22
USGS073802516 Barataria Pass at Grand Isle	1.22	1.18	1.15	0.94	0.89	0.45	0.51	0.17	0.23	0.08	0.41	1.14
HWQ14 - Lake Washington	1.19	1.14	1.09	0.82	0.76	0.48	0.48	0.26	0.20	0.13	0.39	1.05
HWQ16 - Bayou Grand Liard	0.97	1.04	1.10	1.05	0.96	0.62	0.64	0.55	0.55	0.39	0.42	1.03
CRMS 3985	1.14	1.12	1.17	1.07	0.97	0.63	0.50	0.30	0.23	0.25	0.54	1.14
CRMS 0258	1.48	1.37	1.25	1.25	1.03	0.66	0.38	0.00	0.05	0.00	0.74	1.25
CRMS 0224	1.36	1.29	1.22	1.25	1.10	1.06	1.00	0.01	0.08	0.06	0.64	1.21
CRMS 0163	1.35	1.41	1.26	1.28	1.14	1.27	0.93	0.83	1.48	1.31	1.37	1.28
CRMS 0162	1.26	1.23	1.21	1.18	1.12	1.27	1.44	1.46	1.17	0.98	1.01	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.47	0.86	1.11	1.06	1.18	1.31	1.33	1.31	1.35	1.18	0.86
CRMS0276 - Just east of Wilkinson Canal	0.13	0.00	0.00	0.00	-0.16	0.08	0.39	-0.02	0.06	0.06	0.18	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.03	0.01	0.01	0.02	-0.07	-0.25	0.05	0.12	0.07	0.05	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.27	0.78	1.04	1.06	1.18	1.26	0.03	0.05	0.21	0.66	0.76
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.42	0.68	1.14	1.10	1.11	0.94	0.01	-0.01	0.02	0.21	0.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.37	0.31	0.80	1.02	1.07	1.13	1.14	0.08	0.06	0.04	0.36	0.65
USGS 07380335 - Little Lake Near Cutoff	0.31	0.22	0.66	0.84	0.93	0.99	0.94	0.09	0.08	0.04	0.33	0.54
USGS073802516 Barataria Pass at Grand Isle	0.34	0.24	0.83	0.73	0.81	0.42	0.47	0.06	0.10	0.05	0.26	0.60
HWQ14 - Lake Washington	0.33	0.34	0.83	0.79	0.75	0.46	0.41	0.19	0.06	0.08	0.22	0.58
HWQ16 - Bayou Grand Liard	0.08	0.06	0.24	0.21	0.15	0.09	0.07	0.03	0.05	0.06	0.18	0.27
CRMS 3985	0.17	0.42	0.42	0.97	0.94	0.57	0.35	0.06	-0.09	-0.02	0.05	0.20
CRMS 0258	0.40	0.22	0.29	0.73	0.90	0.66	0.37	0.00	0.01	0.00	0.31	0.31
CRMS 0224	0.38	0.23	0.60	0.84	0.99	1.05	0.99	0.01	0.00	0.05	0.35	0.49
CRMS 0163	-0.01	-0.03	0.01	0.01	0.02	-0.01	-0.28	0.07	0.05	0.06	0.01	0.02
CRMS 0162	-0.02	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.03	0.05	0.15	0.00	0.00

Figure WQ NO3 145 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.88	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.01	0.21	0.26
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.23	1.22	0.96	0.82	0.18	0.22	0.55	0.50	0.92	1.08
Barataria Waterway at Lafitte (USACE82875)	1.33	1.37	1.45	1.35	1.38	1.16	0.42	0.16	0.84	1.04	1.32	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.95	0.25	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.25	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.63	0.86	0.47	0.03	0.01	0.03	0.07	0.12	0.14	0.13	0.40	0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.73	0.92	0.39	0.15	0.02	0.04	0.06	0.07	0.10	0.05	0.33	0.55
USGS 07380335 - Little Lake Near Cutoff	0.81	1.00	0.52	0.37	0.11	0.15	0.17	0.16	0.25	0.16	0.44	0.66
USGS073802516 Barataria Pass at Grand Isle	0.73	0.91	0.37	0.17	0.03	0.03	0.04	0.06	0.11	0.03	0.28	0.53
HWQ14 - Lake Washington	0.60	0.78	0.31	0.02	0.01	0.02	0.07	0.11	0.14	0.05	0.24	0.47
HWQ16 - Bayou Grand Liard	0.83	1.06	0.89	0.83	0.64	0.67	0.47	0.11	0.35	0.26	0.49	0.66
CRMS 3985	0.65	0.92	0.68	0.06	0.03	0.07	0.17	0.37	0.33	0.37	0.66	0.67
CRMS 0258	0.93	1.16	0.65	0.41	0.04	0.00	0.00	0.00	0.03	0.00	0.55	0.94
CRMS 0224	0.82	1.06	0.45	0.33	0.04	0.01	0.01	0.01	0.11	0.03	0.43	0.75
CRMS 0163	1.30	1.26	1.35	1.23	1.31	1.35	0.51	0.48	1.25	1.31	1.39	1.42
CRMS 0162	1.26	1.22	1.26	1.18	1.20	1.32	1.50	1.05	0.48	1.05	1.14	1.28

V3PR7 HYST - cy 3 - 2002 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.21	1.27	1.17	1.21	1.24	1.35	1.40	1.37	1.30	1.30	1.31
CRMS0276 - Just east of Wilkinson Canal	1.20	1.34	1.24	1.10	0.78	0.73	0.22	0.24	0.59	0.55	0.99	1.12
Barataria Waterway at Lafitte (USACE82875)	1.35	1.39	1.46	1.36	1.29	1.09	0.37	0.21	0.94	1.15	1.38	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.19	1.22	1.16	1.20	1.23	0.24	0.02	0.10	0.21	0.86	1.13
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.21	1.21	1.17	1.20	1.14	0.14	0.08	0.14	0.11	0.42	0.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.22	1.29	1.17	1.22	1.21	0.23	0.07	0.15	0.07	0.53	0.95
USGS 07380335 - Little Lake Near Cutoff	1.17	1.25	1.28	1.19	1.21	1.17	0.35	0.17	0.32	0.19	0.58	0.92
USGS073802516 Barataria Pass at Grand Isle	1.15	1.22	1.05	0.87	0.69	0.66	0.15	0.09	0.21	0.06	0.43	0.74
HWQ14 - Lake Washington	1.11	1.16	0.93	0.75	0.56	0.60	0.23	0.14	0.19	0.12	0.35	0.68
HWQ16 - Bayou Grand Liard	0.97	1.22	1.00	1.00	0.81	0.83	0.52	0.19	0.43	0.36	0.56	0.74
CRMS 3985	1.12	1.16	1.05	1.00	0.83	0.69	0.30	0.25	0.29	0.26	0.40	0.90
CRMS 0258	1.34	1.29	1.32	1.20	0.88	0.67	0.00	0.00	0.03	0.00	0.72	1.11
CRMS 0224	1.25	1.25	1.34	1.21	1.11	1.08	0.05	0.01	0.09	0.04	0.63	1.04
CRMS 0163	1.31	1.28	1.35	1.24	1.32	1.31	0.46	0.54	1.39	1.36	1.41	1.40
CRMS 0162	1.27	1.23	1.23	1.17	1.20	1.32	1.51	1.16	0.65	1.10	1.14	1.28

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.33	0.99	1.15	1.21	1.24	1.35	1.40	1.35	1.29	1.09	1.05
CRMS0276 - Just east of Wilkinson Canal	0.14	0.01	0.01	-0.13	-0.18	-0.09	0.04	0.01	0.05	0.05	0.06	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.01	0.01	-0.09	-0.08	-0.06	0.05	0.10	0.11	0.06	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.41	0.24	0.97	1.10	1.20	1.23	0.24	0.02	0.09	0.20	0.61	0.76
USGS7380251 Barataria Bay North of Grand Isle	0.55	0.35	0.74	1.14	1.18	1.12	0.06	-0.04	0.00	-0.01	0.02	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.47	0.30	0.90	1.02	1.20	1.17	0.17	0.01	0.05	0.02	0.20	0.40
USGS 07380335 - Little Lake Near Cutoff	0.36	0.24	0.77	0.82	1.10	1.02	0.18	0.02	0.07	0.02	0.14	0.25
USGS073802516 Barataria Pass at Grand Isle	0.42	0.31	0.68	0.71	0.66	0.62	0.11	0.03	0.10	0.03	0.15	0.21
HWQ14 - Lake Washington	0.51	0.38	0.62	0.73	0.56	0.58	0.16	0.03	0.05	0.07	0.10	0.21
HWQ16 - Bayou Grand Liard	0.14	0.15	0.11	0.17	0.16	0.15	0.05	0.08	0.09	0.10	0.07	0.09
CRMS 3985	0.47	0.24	0.37	0.94	0.80	0.62	0.12	-0.12	-0.04	-0.11	-0.26	0.23
CRMS 0258	0.40	0.13	0.67	0.79	0.84	0.67	0.00	0.00	0.00	0.00	0.17	0.17
CRMS 0224	0.43	0.19	0.89	0.88	1.07	1.07	0.04	0.00	-0.02	0.01	0.20	0.29
CRMS 0163	0.01	0.02	0.01	0.01	0.01	-0.04	-0.06	0.05	0.14	0.05	0.01	-0.02
CRMS 0162	0.01	0.00	-0.03	0.00	0.00	0.00	0.01	0.11	0.17	0.05	0.00	0.00

Figure WQ NO3 146 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	1.02	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.17	0.33
CRMS0276 - Just east of Wilkinson Canal	1.08	1.33	1.33	1.06	0.82	0.32	0.16	0.28	0.61	0.40	0.58	1.15
Barataria Waterway at Lafitte (USACE82875)	1.35	1.35	1.33	1.36	1.26	0.47	0.58	0.45	1.10	0.72	1.11	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	1.07	0.27	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.18	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.99	0.38	0.02	0.01	0.02	0.07	0.14	0.15	0.09	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.03	0.44	0.13	0.02	0.03	0.05	0.08	0.11	0.04	0.14	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	1.09	0.62	0.29	0.11	0.07	0.13	0.21	0.27	0.14	0.13	0.64
USGS073802516 Barataria Pass at Grand Isle	0.84	1.01	0.44	0.13	0.04	0.02	0.03	0.07	0.12	0.02	0.12	0.51
HWQ14 - Lake Washington	0.85	0.94	0.30	0.02	0.01	0.02	0.06	0.12	0.14	0.05	0.19	0.47
HWQ16 - Bayou Grand Liard	0.84	1.10	1.00	0.74	0.67	0.41	0.38	0.21	0.41	0.20	0.21	0.68
CRMS 3985	1.06	1.00	0.44	0.03	0.03	0.07	0.17	0.43	0.36	0.29	0.58	0.94
CRMS 0258	1.05	1.22	0.72	0.34	0.05	0.00	0.00	0.00	0.03	0.00	0.33	0.92
CRMS 0224	0.93	1.14	0.54	0.26	0.05	0.01	0.01	0.01	0.10	0.02	0.21	0.70
CRMS 0163	1.31	1.23	1.19	1.24	1.26	1.11	0.76	0.65	1.39	1.05	1.37	1.34
CRMS 0162	1.28	1.21	1.19	1.19	1.22	1.41	1.52	1.25	0.72	0.44	1.04	1.26

V3PR7 HYST - cy 3 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.19	1.15	1.17	1.17	1.34	1.33	1.37	1.36	1.35	1.34	1.27
CRMS0276 - Just east of Wilkinson Canal	1.20	1.34	1.35	0.97	0.74	0.25	0.14	0.30	0.65	0.50	0.80	1.18
Barataria Waterway at Lafitte (USACE82875)	1.36	1.38	1.35	1.34	1.19	0.47	0.62	0.53	1.19	0.84	1.17	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.18	1.15	1.17	1.17	0.42	0.07	0.03	0.11	0.21	0.87	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.19	1.17	1.18	1.18	0.21	0.09	0.09	0.14	0.10	0.40	0.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.23	1.20	1.17	1.19	1.19	0.33	0.07	0.09	0.16	0.07	0.46	1.04
USGS 07380335 - Little Lake Near Cutoff	1.22	1.24	1.22	1.21	1.20	0.29	0.11	0.23	0.34	0.18	0.45	1.02
USGS073802516 Barataria Pass at Grand Isle	1.16	1.23	1.21	0.81	0.68	0.14	0.04	0.14	0.23	0.06	0.34	0.83
HWQ14 - Lake Washington	1.08	1.15	1.14	0.68	0.58	0.15	0.13	0.16	0.19	0.12	0.33	0.75
HWQ16 - Bayou Grand Liard	0.97	1.24	1.22	0.93	0.82	0.48	0.41	0.29	0.47	0.32	0.39	0.81
CRMS 3985	1.09	1.15	1.19	0.99	0.87	0.23	0.22	0.23	0.30	0.24	0.39	0.92
CRMS 0258	1.33	1.27	1.24	1.25	1.00	0.00	0.01	0.00	0.03	0.00	0.63	1.19
CRMS 0224	1.28	1.23	1.20	1.23	1.15	0.04	0.01	0.01	0.09	0.04	0.56	1.11
CRMS 0163	1.33	1.25	1.20	1.25	1.27	1.12	0.84	0.71	1.45	1.24	1.39	1.35
CRMS 0162	1.28	1.21	1.18	1.18	1.21	1.40	1.53	1.31	0.86	0.60	1.05	1.28

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.34	0.17	0.87	1.15	1.17	1.34	1.32	1.37	1.34	1.35	1.16	0.93
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	0.02	-0.09	-0.08	-0.06	-0.01	0.01	0.03	0.10	0.23	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.03	0.02	-0.02	-0.06	0.00	0.03	0.09	0.09	0.12	0.06	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.27	0.11	0.88	1.11	1.17	0.42	0.07	0.02	0.09	0.21	0.69	0.75
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.21	0.79	1.16	1.17	0.19	0.02	-0.05	0.00	0.01	0.06	0.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.17	0.73	1.06	1.17	0.30	0.02	0.02	0.06	0.03	0.32	0.51
USGS 07380335 - Little Lake Near Cutoff	0.34	0.16	0.60	0.92	1.08	0.22	-0.02	0.02	0.07	0.05	0.33	0.38
USGS073802516 Barataria Pass at Grand Isle	0.32	0.22	0.77	0.69	0.64	0.12	0.01	0.07	0.11	0.04	0.22	0.32
HWQ14 - Lake Washington	0.23	0.21	0.84	0.66	0.57	0.13	0.07	0.05	0.04	0.07	0.14	0.27
HWQ16 - Bayou Grand Liard	0.13	0.14	0.22	0.20	0.15	0.07	0.03	0.08	0.06	0.12	0.18	0.13
CRMS 3985	0.03	0.15	0.75	0.95	0.85	0.17	0.05	-0.20	-0.06	-0.05	-0.19	-0.02
CRMS 0258	0.28	0.05	0.52	0.91	0.94	0.00	0.00	0.00	0.01	0.00	0.30	0.27
CRMS 0224	0.35	0.09	0.66	0.97	1.09	0.04	0.01	0.01	-0.01	0.02	0.35	0.41
CRMS 0163	0.02	0.02	0.01	0.01	0.01	0.01	0.08	0.06	0.06	0.18	0.02	0.01
CRMS 0162	0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.01	0.06	0.14	0.16	0.01	0.01

Figure WQ NO3 147 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.95	0.32	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.36
CRMS0276 - Just east of Wilkinson Canal	0.93	1.27	1.16	1.10	1.02	0.55	0.11	0.13	0.37	0.51	0.95	1.12
Barataria Waterway at Lafitte (USACE82875)	1.30	1.39	1.44	1.43	1.46	0.97	0.21	0.11	0.62	1.13	1.32	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	0.99	0.28	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.95	0.66	0.02	0.01	0.02	0.12	0.09	0.10	0.12	0.46	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.95	0.45	0.13	0.01	0.02	0.04	0.04	0.08	0.04	0.32	0.58
USGS 07380335 - Little Lake Near Cutoff	0.79	0.99	0.53	0.30	0.08	0.05	0.09	0.07	0.14	0.13	0.43	0.70
USGS073802516 Barataria Pass at Grand Isle	0.78	0.93	0.41	0.15	0.04	0.02	0.02	0.02	0.07	0.02	0.28	0.57
HWQ14 - Lake Washington	0.84	0.88	0.45	0.01	0.01	0.02	0.08	0.07	0.11	0.03	0.26	0.54
HWQ16 - Bayou Grand Liard	0.73	1.00	0.82	0.73	0.62	0.42	0.19	0.05	0.16	0.15	0.49	0.71
CRMS 3985	1.02	1.01	0.91	0.06	0.03	0.10	0.36	0.37	0.29	0.41	0.69	0.96
CRMS 0258	0.91	1.13	0.50	0.40	0.06	0.00	0.00	0.00	0.07	0.03	0.63	0.90
CRMS 0224	0.83	1.05	0.45	0.30	0.06	0.01	0.01	0.01	0.06	0.04	0.46	0.73
CRMS 0163	1.33	1.32	1.38	1.40	1.42	1.28	0.24	0.47	0.80	1.35	1.37	1.36
CRMS 0162	1.27	1.26	1.24	1.15	1.10	1.16	1.11	0.49	0.20	0.91	1.18	1.30

V3PR7 HYST - cy 3 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.27	1.32	1.28	1.30	1.36	1.42	1.41	1.40	1.29	1.27	1.29
CRMS0276 - Just east of Wilkinson Canal	0.99	1.28	1.12	1.10	0.84	0.52	0.11	0.17	0.42	0.54	1.00	1.17
Barataria Waterway at Lafitte (USACE82875)	1.33	1.41	1.47	1.45	1.47	1.01	0.28	0.16	0.60	1.22	1.37	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.12	1.21	1.17	0.77	1.00	0.06	0.08	0.03	0.07	0.18	0.75	1.04
USGS7380251 Barataria Bay North of Grand Isle	0.83	1.15	1.01	0.55	0.66	0.03	0.07	0.09	0.11	0.11	0.45	0.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.22	1.01	0.64	0.86	0.04	0.05	0.05	0.10	0.04	0.46	0.87
USGS 07380335 - Little Lake Near Cutoff	0.87	1.20	0.91	0.67	0.77	0.04	0.07	0.08	0.19	0.13	0.52	0.87
USGS073802516 Barataria Pass at Grand Isle	0.83	1.11	0.67	0.47	0.25	0.02	0.03	0.06	0.14	0.04	0.37	0.71
HWQ14 - Lake Washington	0.78	1.01	0.62	0.32	0.17	0.03	0.09	0.12	0.16	0.09	0.32	0.69
HWQ16 - Bayou Grand Liard	0.75	1.07	0.83	0.81	0.59	0.43	0.22	0.06	0.27	0.26	0.56	0.77
CRMS 3985	0.76	1.03	0.85	0.41	0.27	0.09	0.18	0.28	0.27	0.33	0.53	0.86
CRMS 0258	1.09	1.26	0.73	0.54	0.09	0.00	0.01	0.00	0.05	0.00	0.67	1.08
CRMS 0224	0.97	1.24	0.88	0.60	0.32	0.01	0.01	0.01	0.09	0.03	0.53	0.95
CRMS 0163	1.35	1.34	1.40	1.41	1.43	1.33	0.35	0.53	0.91	1.38	1.38	1.38
CRMS 0162	1.27	1.27	1.24	1.14	1.11	1.22	1.22	0.67	0.16	0.99	1.18	1.32

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.48	0.32	1.00	1.25	1.30	1.36	1.41	1.40	1.39	1.29	0.99	0.93
CRMS0276 - Just east of Wilkinson Canal	0.06	0.02	-0.04	0.01	-0.19	-0.03	0.00	0.04	0.04	0.04	0.05	0.05
Barataria Waterway at Lafitte (USACE82875)	0.03	0.02	0.03	0.01	0.01	0.03	0.07	0.05	-0.02	0.08	0.05	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.27	0.23	0.89	0.69	1.00	0.05	0.07	0.02	0.06	0.18	0.47	0.63
USGS7380251 Barataria Bay North of Grand Isle	-0.09	0.20	0.36	0.52	0.66	0.00	-0.05	0.00	0.01	-0.01	-0.01	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.27	0.56	0.52	0.85	0.02	0.01	0.01	0.03	0.01	0.13	0.29
USGS 07380335 - Little Lake Near Cutoff	0.08	0.20	0.37	0.37	0.69	-0.01	-0.02	0.01	0.05	0.01	0.10	0.17
USGS073802516 Barataria Pass at Grand Isle	0.05	0.18	0.26	0.32	0.21	0.00	0.01	0.03	0.07	0.02	0.09	0.15
HWQ14 - Lake Washington	-0.06	0.12	0.17	0.31	0.16	0.01	0.01	0.05	0.05	0.06	0.06	0.14
HWQ16 - Bayou Grand Liard	0.02	0.07	0.01	0.08	-0.03	0.01	0.03	0.01	0.11	0.12	0.08	0.06
CRMS 3985	-0.25	0.03	-0.06	0.35	0.24	-0.01	-0.18	-0.08	-0.02	-0.08	-0.16	-0.10
CRMS 0258	0.18	0.13	0.23	0.13	0.03	0.00	0.00	0.00	-0.01	-0.02	0.04	0.17
CRMS 0224	0.13	0.20	0.43	0.30	0.26	0.00	0.00	0.00	0.03	-0.02	0.08	0.22
CRMS 0163	0.02	0.02	0.03	0.01	0.01	0.05	0.11	0.06	0.11	0.04	0.00	0.02
CRMS 0162	0.00	0.01	0.01	-0.01	0.02	0.06	0.11	0.18	-0.03	0.07	-0.01	0.02

Figure WQ NO3 148 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	1.01	0.27	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.15	0.28
CRMS0276 - Just east of Wilkinson Canal	1.03	1.33	1.25	1.08	0.97	0.73	0.40	0.41	0.84	0.54	0.78	1.00
Barataria Waterway at Lafitte (USACE82875)	1.31	1.31	1.41	1.38	1.29	1.07	1.24	0.96	1.35	1.03	1.09	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	1.06	0.25	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.97	0.43	0.02	0.01	0.03	0.07	0.11	0.13	0.10	0.16	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.80	1.04	0.40	0.13	0.02	0.04	0.07	0.09	0.12	0.05	0.25	0.40
USGS 07380335 - Little Lake Near Cutoff	0.81	1.10	0.54	0.29	0.10	0.13	0.21	0.27	0.32	0.18	0.35	0.52
USGS073802516 Barataria Pass at Grand Isle	0.77	1.02	0.40	0.13	0.02	0.03	0.07	0.13	0.15	0.02	0.19	0.36
HWQ14 - Lake Washington	0.78	0.92	0.30	0.02	0.01	0.02	0.07	0.12	0.15	0.06	0.12	0.25
HWQ16 - Bayou Grand Liard	0.83	1.12	0.93	0.74	0.61	0.61	0.64	0.59	0.54	0.36	0.39	0.53
CRMS 3985	1.00	0.98	0.57	0.05	0.04	0.08	0.16	0.34	0.34	0.30	0.21	0.78
CRMS 0258	0.96	1.23	0.63	0.33	0.03	0.00	0.01	0.00	0.07	0.00	0.53	0.79
CRMS 0224	0.84	1.15	0.47	0.26	0.03	0.01	0.01	0.01	0.10	0.01	0.36	0.61
CRMS 0163	1.27	1.20	1.28	1.28	1.34	1.38	1.35	1.08	1.45	1.31	1.39	1.38
CRMS 0162	1.24	1.19	1.24	1.18	1.17	1.35	1.43	1.42	1.20	1.08	1.01	1.20

V3PR7 HYST - cy 3 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.32	1.32	1.34	1.31	1.37	1.31
CRMS0276 - Just east of Wilkinson Canal	1.21	1.35	1.31	0.95	0.74	0.61	0.70	0.51	0.94	0.63	0.87	1.08
Barataria Waterway at Lafitte (USACE82875)	1.34	1.34	1.42	1.33	1.22	0.96	1.06	0.85	1.46	1.16	1.13	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.15	1.21	1.20	1.22	1.26	1.29	0.70	0.08	0.18	0.90	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.17	1.24	1.17	1.12	1.12	1.05	0.43	0.12	0.11	0.48	0.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.17	1.26	1.19	1.17	1.20	1.25	0.68	0.16	0.09	0.56	0.93
USGS 07380335 - Little Lake Near Cutoff	1.22	1.22	1.31	1.18	1.06	1.10	1.17	0.80	0.40	0.21	0.58	0.88
USGS073802516 Barataria Pass at Grand Isle	1.18	1.25	1.25	0.79	0.63	0.49	0.66	0.42	0.23	0.09	0.45	0.76
HWQ14 - Lake Washington	1.11	1.21	1.17	0.65	0.54	0.50	0.54	0.40	0.21	0.12	0.40	0.77
HWQ16 - Bayou Grand Liard	1.04	1.27	1.18	0.90	0.74	0.73	0.71	0.66	0.60	0.42	0.50	0.70
CRMS 3985	1.17	1.22	1.24	0.93	0.76	0.62	0.52	0.38	0.21	0.24	0.53	0.98
CRMS 0258	1.27	1.24	1.35	1.14	0.62	0.35	0.42	0.01	0.08	0.00	0.78	1.18
CRMS 0224	1.24	1.20	1.31	1.18	0.89	0.92	1.17	0.41	0.09	0.07	0.66	1.01
CRMS 0163	1.29	1.21	1.29	1.29	1.33	1.31	1.21	0.98	1.50	1.37	1.37	1.39
CRMS 0162	1.25	1.19	1.22	1.17	1.18	1.36	1.44	1.45	1.26	1.19	0.98	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.38	0.15	0.95	1.20	1.23	1.27	1.31	1.32	1.31	1.30	1.21	1.03
CRMS0276 - Just east of Wilkinson Canal	0.19	0.02	0.07	-0.13	-0.22	-0.12	0.30	0.10	0.10	0.09	0.09	0.07
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.00	-0.05	-0.07	-0.12	-0.18	-0.11	0.11	0.14	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.34	0.09	0.96	1.16	1.22	1.26	1.28	0.70	0.05	0.18	0.68	0.73
USGS7380251 Barataria Bay North of Grand Isle	0.31	0.20	0.81	1.15	1.10	1.10	0.98	0.33	-0.02	0.01	0.32	0.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.42	0.13	0.85	1.06	1.15	1.16	1.17	0.59	0.04	0.04	0.31	0.53
USGS 07380335 - Little Lake Near Cutoff	0.41	0.12	0.77	0.89	0.96	0.97	0.96	0.53	0.08	0.04	0.23	0.37
USGS073802516 Barataria Pass at Grand Isle	0.41	0.23	0.85	0.66	0.61	0.46	0.59	0.30	0.08	0.06	0.26	0.40
HWQ14 - Lake Washington	0.33	0.29	0.86	0.63	0.53	0.48	0.46	0.27	0.06	0.07	0.28	0.51
HWQ16 - Bayou Grand Liard	0.21	0.15	0.25	0.16	0.13	0.12	0.07	0.07	0.07	0.07	0.11	0.18
CRMS 3985	0.17	0.25	0.67	0.88	0.73	0.54	0.35	0.05	-0.12	-0.06	0.33	0.21
CRMS 0258	0.31	0.01	0.72	0.81	0.59	0.35	0.41	0.00	0.01	0.00	0.25	0.39
CRMS 0224	0.40	0.05	0.84	0.92	0.86	0.92	1.16	0.40	0.00	0.05	0.30	0.40
CRMS 0163	0.02	0.01	0.01	0.01	-0.01	-0.07	-0.14	-0.10	0.05	0.06	-0.02	0.01
CRMS 0162	0.01	0.00	-0.02	-0.01	0.01	0.01	0.01	0.03	0.06	0.11	-0.02	0.03

Figure WQ NO3 149 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.91	0.87	0.34	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.35
CRMS0276 - Just east of Wilkinson Canal	1.13	1.24	1.28	1.23	1.18	0.42	0.19	0.30	0.74	0.50	0.62	1.25
Barataria Waterway at Lafitte (USACE82875)	1.38	1.48	1.38	1.38	1.28	0.89	0.85	0.53	1.18	0.85	1.05	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.95	0.98	0.40	0.15	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.43
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.75	0.51	0.06	0.01	0.02	0.06	0.08	0.13	0.09	0.29	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.91	0.94	0.40	0.20	0.03	0.04	0.06	0.08	0.10	0.05	0.19	0.55
USGS 07380335 - Little Lake Near Cutoff	0.93	0.99	0.56	0.39	0.21	0.10	0.15	0.25	0.29	0.17	0.21	0.68
USGS073802516 Barataria Pass at Grand Isle	0.88	0.93	0.32	0.20	0.08	0.02	0.04	0.11	0.13	0.03	0.15	0.55
HWQ14 - Lake Washington	0.86	0.81	0.26	0.03	0.01	0.02	0.07	0.08	0.14	0.06	0.17	0.47
HWQ16 - Bayou Grand Liard	0.90	0.98	0.86	0.84	0.81	0.54	0.57	0.52	0.50	0.33	0.24	0.76
CRMS 3985	0.97	0.70	0.76	0.09	0.03	0.06	0.15	0.24	0.32	0.27	0.49	0.94
CRMS 0258	1.08	1.14	0.96	0.53	0.13	0.00	0.00	0.00	0.04	0.00	0.43	0.93
CRMS 0224	0.98	1.06	0.63	0.41	0.12	0.01	0.01	0.01	0.08	0.01	0.28	0.72
CRMS 0163	1.36	1.44	1.25	1.27	1.13	1.28	1.21	0.76	1.43	1.26	1.36	1.26
CRMS 0162	1.28	1.24	1.22	1.20	1.11	1.27	1.44	1.43	1.12	0.83	1.01	1.23

V3PR7 HYST - cy 3 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.34	1.20	1.19	1.06	1.18	1.31	1.32	1.33	1.35	1.35	1.20
CRMS0276 - Just east of Wilkinson Canal	1.26	1.24	1.28	1.23	1.03	0.49	0.58	0.28	0.80	0.56	0.81	1.28
Barataria Waterway at Lafitte (USACE82875)	1.39	1.45	1.39	1.39	1.30	0.80	0.59	0.56	1.28	0.93	1.10	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.27	1.18	1.19	1.06	1.18	1.28	0.08	0.09	0.21	0.92	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.16	1.18	1.20	1.10	1.13	0.98	0.09	0.13	0.11	0.50	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.28	1.24	1.20	1.21	1.11	1.17	1.19	0.17	0.16	0.08	0.55	1.21
USGS 07380335 - Little Lake Near Cutoff	1.24	1.21	1.22	1.23	1.14	1.10	1.10	0.34	0.37	0.21	0.53	1.23
USGS073802516 Barataria Pass at Grand Isle	1.22	1.18	1.15	0.93	0.88	0.44	0.51	0.17	0.23	0.08	0.41	1.14
HWQ14 - Lake Washington	1.19	1.14	1.08	0.81	0.74	0.47	0.47	0.26	0.20	0.13	0.39	1.05
HWQ16 - Bayou Grand Liard	0.97	1.04	1.10	1.05	0.97	0.63	0.64	0.56	0.55	0.39	0.43	1.03
CRMS 3985	1.13	1.12	1.17	1.05	0.94	0.61	0.48	0.30	0.23	0.25	0.54	1.13
CRMS 0258	1.48	1.38	1.25	1.26	1.05	0.68	0.34	0.00	0.06	0.00	0.75	1.25
CRMS 0224	1.36	1.30	1.23	1.26	1.11	1.08	1.02	0.01	0.09	0.06	0.64	1.22
CRMS 0163	1.35	1.41	1.27	1.28	1.14	1.27	0.94	0.84	1.48	1.32	1.37	1.28
CRMS 0162	1.26	1.24	1.21	1.18	1.12	1.27	1.44	1.46	1.19	0.97	1.02	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.47	0.86	1.11	1.06	1.18	1.31	1.32	1.31	1.35	1.17	0.86
CRMS0276 - Just east of Wilkinson Canal	0.13	0.00	0.00	0.00	-0.15	0.08	0.39	-0.03	0.06	0.06	0.19	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.03	0.01	0.01	0.02	-0.08	-0.26	0.03	0.10	0.08	0.05	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.29	0.78	1.04	1.06	1.18	1.28	0.07	0.07	0.21	0.71	0.76
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.41	0.68	1.14	1.09	1.10	0.92	0.01	-0.01	0.02	0.20	0.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.37	0.30	0.80	1.02	1.07	1.13	1.14	0.08	0.05	0.03	0.36	0.66
USGS 07380335 - Little Lake Near Cutoff	0.31	0.22	0.66	0.84	0.93	0.99	0.94	0.09	0.08	0.04	0.33	0.54
USGS073802516 Barataria Pass at Grand Isle	0.33	0.24	0.83	0.73	0.80	0.42	0.47	0.06	0.10	0.05	0.26	0.60
HWQ14 - Lake Washington	0.33	0.33	0.83	0.78	0.73	0.45	0.41	0.18	0.06	0.08	0.22	0.57
HWQ16 - Bayou Grand Liard	0.07	0.06	0.24	0.20	0.15	0.09	0.08	0.03	0.04	0.06	0.19	0.28
CRMS 3985	0.16	0.42	0.41	0.96	0.91	0.55	0.33	0.06	-0.09	-0.02	0.05	0.19
CRMS 0258	0.41	0.23	0.30	0.73	0.93	0.68	0.33	0.00	0.01	0.00	0.32	0.32
CRMS 0224	0.38	0.24	0.60	0.84	1.00	1.07	1.02	0.01	0.01	0.05	0.36	0.49
CRMS 0163	-0.01	-0.03	0.01	0.01	0.02	-0.01	-0.27	0.08	0.05	0.06	0.01	0.02
CRMS 0162	-0.02	0.00	-0.01	-0.01	0.01	0.01	0.01	0.03	0.07	0.14	0.01	0.00

Figure WQ NO3 150 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.88	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.01	0.21	0.26
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.23	1.22	0.96	0.82	0.18	0.22	0.55	0.50	0.92	1.08
Barataria Waterway at Lafitte (USACE82875)	1.33	1.37	1.45	1.35	1.38	1.16	0.42	0.16	0.84	1.04	1.32	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.95	0.25	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.25	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.63	0.86	0.47	0.03	0.01	0.03	0.07	0.12	0.14	0.13	0.40	0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.73	0.92	0.39	0.15	0.02	0.04	0.06	0.07	0.10	0.05	0.33	0.55
USGS 07380335 - Little Lake Near Cutoff	0.81	1.00	0.52	0.37	0.11	0.15	0.17	0.16	0.25	0.16	0.44	0.66
USGS073802516 Barataria Pass at Grand Isle	0.73	0.91	0.37	0.17	0.03	0.03	0.04	0.06	0.11	0.03	0.28	0.53
HWQ14 - Lake Washington	0.60	0.78	0.31	0.02	0.01	0.02	0.07	0.11	0.14	0.05	0.24	0.47
HWQ16 - Bayou Grand Liard	0.83	1.06	0.89	0.83	0.64	0.67	0.47	0.11	0.35	0.26	0.49	0.66
CRMS 3985	0.65	0.92	0.68	0.06	0.03	0.07	0.17	0.37	0.33	0.37	0.66	0.67
CRMS 0258	0.93	1.16	0.65	0.41	0.04	0.00	0.00	0.00	0.03	0.00	0.55	0.94
CRMS 0224	0.82	1.06	0.45	0.33	0.04	0.01	0.01	0.01	0.11	0.03	0.43	0.75
CRMS 0163	1.30	1.26	1.35	1.23	1.31	1.35	0.51	0.48	1.25	1.31	1.39	1.42
CRMS 0162	1.26	1.22	1.26	1.18	1.20	1.32	1.50	1.05	0.48	1.05	1.14	1.28

V3PR8 HYST - cy 3 - 2002 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.21	1.27	1.17	1.21	1.24	1.35	1.39	1.38	1.29	1.29	1.31
CRMS0276 - Just east of Wilkinson Canal	1.18	1.32	1.17	1.02	0.73	0.70	0.23	0.24	0.61	0.53	0.91	1.06
Barataria Waterway at Lafitte (USACE82875)	1.34	1.41	1.41	1.27	0.83	0.78	0.11	0.05	0.66	0.82	1.26	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.19	1.22	1.16	1.20	1.23	0.22	0.02	0.09	0.18	0.84	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.21	1.23	1.17	1.19	1.14	0.13	0.08	0.14	0.13	0.48	0.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.22	1.30	1.18	1.22	1.22	0.23	0.08	0.15	0.07	0.51	0.98
USGS 07380335 - Little Lake Near Cutoff	1.18	1.25	1.29	1.19	1.21	1.17	0.34	0.17	0.31	0.18	0.55	0.93
USGS073802516 Barataria Pass at Grand Isle	1.16	1.23	1.08	0.88	0.66	0.65	0.14	0.09	0.22	0.06	0.41	0.77
HWQ14 - Lake Washington	1.13	1.18	1.01	0.78	0.57	0.59	0.22	0.15	0.19	0.14	0.39	0.79
HWQ16 - Bayou Grand Liard	0.97	1.20	1.00	0.98	0.79	0.81	0.51	0.17	0.40	0.30	0.51	0.72
CRMS 3985	1.13	1.20	1.11	1.00	0.80	0.67	0.29	0.26	0.29	0.33	0.56	1.00
CRMS 0258	1.33	1.28	1.33	1.19	0.96	0.74	0.00	0.00	0.06	0.00	0.69	1.15
CRMS 0224	1.25	1.25	1.34	1.20	1.14	1.11	0.05	0.01	0.13	0.04	0.61	1.04
CRMS 0163	1.31	1.28	1.35	1.24	1.29	1.28	0.37	0.52	1.36	1.33	1.38	1.39
CRMS 0162	1.27	1.23	1.25	1.16	1.20	1.32	1.52	1.16	0.67	1.11	1.13	1.27

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.56	0.33	0.98	1.15	1.21	1.24	1.34	1.39	1.36	1.28	1.08	1.05
CRMS0276 - Just east of Wilkinson Canal	0.12	-0.01	-0.06	-0.20	-0.23	-0.12	0.06	0.01	0.06	0.02	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.04	-0.04	-0.07	-0.55	-0.38	-0.31	-0.11	-0.18	-0.22	-0.06	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.41	0.24	0.96	1.10	1.20	1.23	0.22	0.02	0.08	0.18	0.59	0.75
USGS7380251 Barataria Bay North of Grand Isle	0.56	0.35	0.76	1.14	1.18	1.11	0.06	-0.04	0.00	0.01	0.08	0.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.48	0.30	0.91	1.02	1.21	1.18	0.17	0.01	0.05	0.02	0.18	0.43
USGS 07380335 - Little Lake Near Cutoff	0.37	0.24	0.78	0.82	1.11	1.02	0.17	0.01	0.06	0.02	0.11	0.26
USGS073802516 Barataria Pass at Grand Isle	0.43	0.32	0.71	0.71	0.63	0.62	0.10	0.04	0.11	0.03	0.13	0.24
HWQ14 - Lake Washington	0.52	0.40	0.70	0.76	0.56	0.57	0.15	0.04	0.05	0.09	0.15	0.31
HWQ16 - Bayou Grand Liard	0.14	0.14	0.11	0.15	0.14	0.14	0.04	0.06	0.06	0.04	0.02	0.06
CRMS 3985	0.48	0.28	0.43	0.94	0.77	0.60	0.12	-0.11	-0.04	-0.04	-0.09	0.33
CRMS 0258	0.40	0.12	0.68	0.79	0.92	0.73	0.00	0.00	0.03	0.00	0.15	0.21
CRMS 0224	0.43	0.18	0.89	0.88	1.10	1.10	0.04	0.00	0.02	0.01	0.18	0.29
CRMS 0163	0.01	0.02	0.00	0.01	-0.01	-0.07	-0.15	0.03	0.10	0.02	-0.01	-0.02
CRMS 0162	0.01	0.01	-0.01	-0.01	0.00	0.00	0.01	0.11	0.18	0.06	-0.01	-0.01

Figure WQ NO3 151 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	1.02	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.17	0.33
CRMS0276 - Just east of Wilkinson Canal	1.08	1.33	1.33	1.06	0.82	0.32	0.16	0.28	0.61	0.40	0.58	1.15
Barataria Waterway at Lafitte (USACE82875)	1.35	1.35	1.33	1.36	1.26	0.47	0.58	0.45	1.10	0.72	1.11	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	1.07	0.27	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.18	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.99	0.38	0.02	0.01	0.02	0.07	0.14	0.15	0.09	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.03	0.44	0.13	0.02	0.03	0.05	0.08	0.11	0.04	0.14	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	1.09	0.62	0.29	0.11	0.07	0.13	0.21	0.27	0.14	0.13	0.64
USGS073802516 Barataria Pass at Grand Isle	0.84	1.01	0.44	0.13	0.04	0.02	0.03	0.07	0.12	0.02	0.12	0.51
HWQ14 - Lake Washington	0.85	0.94	0.30	0.02	0.01	0.02	0.06	0.12	0.14	0.05	0.19	0.47
HWQ16 - Bayou Grand Liard	0.84	1.10	1.00	0.74	0.67	0.41	0.38	0.21	0.41	0.20	0.21	0.68
CRMS 3985	1.06	1.00	0.44	0.03	0.03	0.07	0.17	0.43	0.36	0.29	0.58	0.94
CRMS 0258	1.05	1.22	0.72	0.34	0.05	0.00	0.00	0.00	0.03	0.00	0.33	0.92
CRMS 0224	0.93	1.14	0.54	0.26	0.05	0.01	0.01	0.01	0.10	0.02	0.21	0.70
CRMS 0163	1.31	1.23	1.19	1.24	1.26	1.11	0.76	0.65	1.39	1.05	1.37	1.34
CRMS 0162	1.28	1.21	1.19	1.19	1.22	1.41	1.52	1.25	0.72	0.44	1.04	1.26

V3PR8 HYST - cy 3 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.27	1.19	1.15	1.17	1.17	1.33	1.32	1.36	1.36	1.34	1.32	1.26
CRMS0276 - Just east of Wilkinson Canal	1.21	1.33	1.34	0.89	0.71	0.21	0.17	0.30	0.65	0.41	0.50	1.13
Barataria Waterway at Lafitte (USACE82875)	1.38	1.41	1.38	0.96	0.76	0.16	0.17	0.11	0.79	0.62	1.03	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.18	1.15	1.17	1.17	0.41	0.05	0.02	0.11	0.18	0.84	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.19	1.17	1.18	1.18	0.20	0.09	0.09	0.15	0.12	0.46	1.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.20	1.17	1.19	1.20	0.34	0.08	0.10	0.17	0.07	0.42	1.05
USGS 07380335 - Little Lake Near Cutoff	1.23	1.24	1.22	1.21	1.20	0.29	0.12	0.23	0.35	0.17	0.34	0.99
USGS073802516 Barataria Pass at Grand Isle	1.18	1.23	1.21	0.80	0.66	0.13	0.05	0.15	0.25	0.06	0.29	0.85
HWQ14 - Lake Washington	1.10	1.15	1.15	0.70	0.58	0.14	0.14	0.16	0.19	0.14	0.36	0.84
HWQ16 - Bayou Grand Liard	1.00	1.24	1.21	0.92	0.80	0.47	0.41	0.27	0.45	0.28	0.27	0.77
CRMS 3985	1.11	1.15	1.19	0.97	0.85	0.23	0.23	0.24	0.31	0.31	0.52	1.00
CRMS 0258	1.32	1.26	1.23	1.25	1.05	0.00	0.01	0.00	0.07	0.00	0.52	1.09
CRMS 0224	1.29	1.23	1.20	1.23	1.16	0.05	0.01	0.02	0.14	0.04	0.47	1.04
CRMS 0163	1.33	1.26	1.21	1.24	1.26	1.10	0.70	0.64	1.42	1.22	1.35	1.35
CRMS 0162	1.29	1.22	1.18	1.18	1.21	1.41	1.53	1.31	0.87	0.64	1.04	1.28

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.34	0.17	0.87	1.15	1.17	1.33	1.32	1.36	1.34	1.33	1.15	0.93
CRMS0276 - Just east of Wilkinson Canal	0.13	0.00	0.01	-0.17	-0.11	-0.10	0.01	0.02	0.04	0.02	-0.08	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.03	0.06	0.05	-0.40	-0.50	-0.31	-0.41	-0.34	-0.31	-0.09	-0.08	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.26	0.11	0.88	1.11	1.17	0.41	0.05	0.02	0.09	0.18	0.66	0.73
USGS7380251 Barataria Bay North of Grand Isle	0.23	0.21	0.79	1.16	1.17	0.18	0.02	-0.05	0.00	0.03	0.12	0.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.17	0.73	1.06	1.18	0.31	0.03	0.02	0.06	0.03	0.28	0.51
USGS 07380335 - Little Lake Near Cutoff	0.35	0.16	0.60	0.92	1.09	0.22	-0.01	0.03	0.08	0.04	0.21	0.35
USGS073802516 Barataria Pass at Grand Isle	0.34	0.22	0.77	0.68	0.62	0.12	0.02	0.07	0.13	0.04	0.18	0.34
HWQ14 - Lake Washington	0.25	0.21	0.85	0.68	0.57	0.12	0.08	0.05	0.04	0.09	0.17	0.37
HWQ16 - Bayou Grand Liard	0.17	0.14	0.21	0.18	0.14	0.06	0.03	0.06	0.04	0.07	0.07	0.09
CRMS 3985	0.05	0.15	0.75	0.94	0.82	0.17	0.06	-0.19	-0.05	0.02	-0.05	0.06
CRMS 0258	0.28	0.04	0.51	0.90	1.00	0.00	0.00	0.00	0.04	0.00	0.20	0.17
CRMS 0224	0.36	0.09	0.66	0.97	1.11	0.05	0.01	0.01	0.04	0.02	0.26	0.34
CRMS 0163	0.02	0.02	0.01	0.00	0.00	-0.01	-0.06	0.00	0.04	0.17	-0.02	0.01
CRMS 0162	0.01	0.01	0.00	-0.01	-0.01	0.00	0.01	0.07	0.15	0.21	0.00	0.02

Figure WQ NO3 152 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.95	0.32	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.36
CRMS0276 - Just east of Wilkinson Canal	0.93	1.27	1.16	1.10	1.02	0.55	0.11	0.13	0.37	0.51	0.95	1.12
Barataria Waterway at Lafitte (USACE82875)	1.30	1.39	1.44	1.43	1.46	0.97	0.21	0.11	0.62	1.13	1.32	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	0.99	0.28	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.95	0.66	0.02	0.01	0.02	0.12	0.09	0.10	0.12	0.46	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.95	0.45	0.13	0.01	0.02	0.04	0.04	0.08	0.04	0.32	0.58
USGS 07380335 - Little Lake Near Cutoff	0.79	0.99	0.53	0.30	0.08	0.05	0.09	0.07	0.14	0.13	0.43	0.70
USGS073802516 Barataria Pass at Grand Isle	0.78	0.93	0.41	0.15	0.04	0.02	0.02	0.02	0.07	0.02	0.28	0.57
HWQ14 - Lake Washington	0.84	0.88	0.45	0.01	0.01	0.02	0.08	0.07	0.11	0.03	0.26	0.54
HWQ16 - Bayou Grand Liard	0.73	1.00	0.82	0.73	0.62	0.42	0.19	0.05	0.16	0.15	0.49	0.71
CRMS 3985	1.02	1.01	0.91	0.06	0.03	0.10	0.36	0.37	0.29	0.41	0.69	0.96
CRMS 0258	0.91	1.13	0.50	0.40	0.06	0.00	0.00	0.00	0.07	0.03	0.63	0.90
CRMS 0224	0.83	1.05	0.45	0.30	0.06	0.01	0.01	0.01	0.06	0.04	0.46	0.73
CRMS 0163	1.33	1.32	1.38	1.40	1.42	1.28	0.24	0.47	0.80	1.35	1.37	1.36
CRMS 0162	1.27	1.26	1.24	1.15	1.10	1.16	1.11	0.49	0.20	0.91	1.18	1.30

V3PR8 HYST - cy 3 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.28	1.32	1.28	1.31	1.36	1.41	1.41	1.39	1.29	1.26	1.27
CRMS0276 - Just east of Wilkinson Canal	1.02	1.27	1.10	1.07	0.71	0.46	0.13	0.13	0.44	0.47	0.89	1.14
Barataria Waterway at Lafitte (USACE82875)	1.33	1.41	1.43	1.31	1.04	0.48	0.04	0.03	0.33	0.93	1.29	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.12	1.22	1.17	0.77	1.00	0.04	0.06	0.03	0.07	0.17	0.74	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.03	1.16	0.94	0.51	0.64	0.03	0.07	0.09	0.11	0.11	0.45	0.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.00	1.24	1.00	0.62	0.88	0.04	0.05	0.05	0.10	0.05	0.41	0.87
USGS 07380335 - Little Lake Near Cutoff	0.94	1.23	0.89	0.64	0.77	0.04	0.07	0.08	0.17	0.12	0.45	0.86
USGS073802516 Barataria Pass at Grand Isle	0.92	1.16	0.65	0.43	0.24	0.02	0.03	0.05	0.13	0.04	0.33	0.71
HWQ14 - Lake Washington	0.96	1.06	0.55	0.28	0.15	0.03	0.09	0.12	0.16	0.10	0.32	0.71
HWQ16 - Bayou Grand Liard	0.82	1.09	0.83	0.80	0.57	0.42	0.22	0.06	0.23	0.16	0.47	0.77
CRMS 3985	1.05	0.99	0.63	0.34	0.22	0.08	0.18	0.29	0.27	0.33	0.53	0.95
CRMS 0258	1.11	1.27	0.81	0.55	0.12	0.00	0.01	0.00	0.09	0.01	0.66	1.11
CRMS 0224	1.01	1.26	0.89	0.60	0.33	0.01	0.01	0.01	0.07	0.04	0.51	0.96
CRMS 0163	1.35	1.35	1.41	1.40	1.41	1.18	0.25	0.50	0.94	1.36	1.37	1.36
CRMS 0162	1.28	1.28	1.24	1.14	1.12	1.28	1.28	0.68	0.18	1.00	1.18	1.31

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.48	0.33	1.01	1.25	1.30	1.35	1.41	1.40	1.38	1.29	0.99	0.91
CRMS0276 - Just east of Wilkinson Canal	0.08	0.01	-0.06	-0.02	-0.32	-0.09	0.02	0.01	0.06	-0.03	-0.05	0.02
Barataria Waterway at Lafitte (USACE82875)	0.03	0.02	-0.01	-0.12	-0.42	-0.49	-0.17	-0.09	-0.29	-0.21	-0.04	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.26	0.23	0.89	0.69	1.00	0.04	0.06	0.02	0.06	0.16	0.46	0.61
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.21	0.28	0.49	0.63	0.00	-0.06	0.00	0.01	-0.01	-0.01	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.29	0.55	0.49	0.87	0.02	0.01	0.01	0.03	0.01	0.09	0.29
USGS 07380335 - Little Lake Near Cutoff	0.15	0.23	0.36	0.34	0.69	-0.01	-0.02	0.00	0.03	-0.01	0.03	0.16
USGS073802516 Barataria Pass at Grand Isle	0.14	0.23	0.24	0.28	0.19	0.00	0.01	0.03	0.07	0.02	0.05	0.14
HWQ14 - Lake Washington	0.12	0.18	0.10	0.27	0.14	0.01	0.01	0.05	0.05	0.07	0.07	0.16
HWQ16 - Bayou Grand Liard	0.09	0.09	0.01	0.07	-0.05	0.01	0.02	0.00	0.07	0.01	-0.02	0.06
CRMS 3985	0.03	-0.02	-0.28	0.28	0.19	-0.02	-0.19	-0.07	-0.02	-0.08	-0.16	-0.01
CRMS 0258	0.20	0.14	0.31	0.15	0.06	0.00	0.00	0.00	0.02	-0.02	0.03	0.21
CRMS 0224	0.18	0.21	0.43	0.30	0.27	0.00	0.00	0.00	0.01	-0.01	0.05	0.23
CRMS 0163	0.02	0.03	0.03	0.01	0.00	-0.10	0.02	0.03	0.14	0.02	-0.01	0.00
CRMS 0162	0.01	0.02	0.00	-0.01	0.02	0.12	0.16	0.19	-0.02	0.09	0.00	0.01

Figure WQ NO3 153 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	1.01	0.27	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.15	0.28
CRMS0276 - Just east of Wilkinson Canal	1.03	1.33	1.25	1.08	0.97	0.73	0.40	0.41	0.84	0.54	0.78	1.00
Barataria Waterway at Lafitte (USACE82875)	1.31	1.31	1.41	1.38	1.29	1.07	1.24	0.96	1.35	1.03	1.09	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	1.06	0.25	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.97	0.43	0.02	0.01	0.03	0.07	0.11	0.13	0.10	0.16	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.80	1.04	0.40	0.13	0.02	0.04	0.07	0.09	0.12	0.05	0.25	0.40
USGS 07380335 - Little Lake Near Cutoff	0.81	1.10	0.54	0.29	0.10	0.13	0.21	0.27	0.32	0.18	0.35	0.52
USGS073802516 Barataria Pass at Grand Isle	0.77	1.02	0.40	0.13	0.02	0.03	0.07	0.13	0.15	0.02	0.19	0.36
HWQ14 - Lake Washington	0.78	0.92	0.30	0.02	0.01	0.02	0.07	0.12	0.15	0.06	0.12	0.25
HWQ16 - Bayou Grand Liard	0.83	1.12	0.93	0.74	0.61	0.61	0.64	0.59	0.54	0.36	0.39	0.53
CRMS 3985	1.00	0.98	0.57	0.05	0.04	0.08	0.16	0.34	0.34	0.30	0.21	0.78
CRMS 0258	0.96	1.23	0.63	0.33	0.03	0.00	0.01	0.00	0.07	0.00	0.53	0.79
CRMS 0224	0.84	1.15	0.47	0.26	0.03	0.01	0.01	0.01	0.10	0.01	0.36	0.61
CRMS 0163	1.27	1.20	1.28	1.28	1.34	1.38	1.35	1.08	1.45	1.31	1.39	1.38
CRMS 0162	1.24	1.19	1.24	1.18	1.17	1.35	1.43	1.42	1.20	1.08	1.01	1.20

V3PR8 HYST - cy 3 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.23	1.28	1.32	1.32	1.34	1.31	1.38	1.31
CRMS0276 - Just east of Wilkinson Canal	1.20	1.34	1.28	0.87	0.71	0.57	0.73	0.55	0.88	0.62	0.64	0.95
Barataria Waterway at Lafitte (USACE82875)	1.35	1.38	1.33	0.91	0.89	0.58	0.40	0.22	1.18	0.91	0.97	1.22
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.15	1.21	1.20	1.23	1.26	1.29	0.70	0.07	0.17	0.90	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.17	1.24	1.17	1.11	1.11	1.02	0.41	0.11	0.11	0.44	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.17	1.25	1.19	1.18	1.21	1.26	0.70	0.16	0.09	0.52	0.84
USGS 07380335 - Little Lake Near Cutoff	1.21	1.22	1.31	1.18	1.07	1.10	1.18	0.80	0.39	0.22	0.51	0.77
USGS073802516 Barataria Pass at Grand Isle	1.15	1.24	1.25	0.77	0.62	0.48	0.65	0.43	0.24	0.08	0.40	0.67
HWQ14 - Lake Washington	1.07	1.20	1.17	0.66	0.54	0.49	0.50	0.36	0.20	0.13	0.37	0.68
HWQ16 - Bayou Grand Liard	1.01	1.27	1.17	0.88	0.73	0.71	0.70	0.64	0.58	0.42	0.39	0.60
CRMS 3985	1.14	1.22	1.23	0.91	0.74	0.58	0.48	0.37	0.21	0.25	0.39	0.87
CRMS 0258	1.26	1.23	1.33	1.16	0.69	0.42	0.56	0.01	0.08	0.00	0.70	1.00
CRMS 0224	1.23	1.20	1.31	1.19	0.92	0.97	1.21	0.44	0.09	0.06	0.62	0.88
CRMS 0163	1.29	1.21	1.29	1.27	1.29	1.27	1.02	0.88	1.50	1.35	1.36	1.38
CRMS 0162	1.25	1.20	1.21	1.17	1.17	1.36	1.45	1.46	1.25	1.17	1.00	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.38	0.15	0.95	1.20	1.23	1.28	1.31	1.32	1.31	1.30	1.23	1.03
CRMS0276 - Just east of Wilkinson Canal	0.17	0.01	0.03	-0.21	-0.26	-0.16	0.33	0.15	0.04	0.08	-0.14	-0.05
Barataria Waterway at Lafitte (USACE82875)	0.03	0.07	-0.08	-0.47	-0.40	-0.50	-0.84	-0.74	-0.18	-0.12	-0.13	-0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.34	0.09	0.96	1.16	1.22	1.26	1.29	0.70	0.04	0.17	0.68	0.71
USGS7380251 Barataria Bay North of Grand Isle	0.30	0.20	0.81	1.14	1.09	1.08	0.95	0.30	-0.02	0.01	0.28	0.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.41	0.13	0.85	1.07	1.16	1.17	1.19	0.61	0.04	0.04	0.28	0.44
USGS 07380335 - Little Lake Near Cutoff	0.40	0.12	0.77	0.89	0.97	0.97	0.96	0.53	0.07	0.05	0.16	0.25
USGS073802516 Barataria Pass at Grand Isle	0.39	0.22	0.85	0.65	0.60	0.45	0.58	0.30	0.08	0.06	0.21	0.31
HWQ14 - Lake Washington	0.29	0.28	0.86	0.65	0.54	0.46	0.43	0.24	0.05	0.07	0.26	0.43
HWQ16 - Bayou Grand Liard	0.19	0.14	0.24	0.14	0.12	0.11	0.06	0.04	0.04	0.07	0.00	0.07
CRMS 3985	0.13	0.24	0.66	0.86	0.70	0.50	0.31	0.03	-0.13	-0.05	0.19	0.09
CRMS 0258	0.30	0.01	0.70	0.84	0.67	0.42	0.56	0.01	0.01	0.00	0.17	0.20
CRMS 0224	0.39	0.04	0.84	0.93	0.89	0.96	1.20	0.43	0.00	0.05	0.26	0.27
CRMS 0163	0.02	0.02	0.01	-0.01	-0.05	-0.11	-0.33	-0.20	0.05	0.04	-0.04	0.00
CRMS 0162	0.01	0.00	-0.02	-0.01	0.00	0.01	0.01	0.04	0.05	0.08	-0.01	0.03

Figure WQ NO3 154 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.91	0.87	0.34	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.35
CRMS0276 - Just east of Wilkinson Canal	1.13	1.24	1.28	1.23	1.18	0.42	0.19	0.30	0.74	0.50	0.62	1.25
Barataria Waterway at Lafitte (USACE82875)	1.38	1.48	1.38	1.38	1.28	0.89	0.85	0.53	1.18	0.85	1.05	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.95	0.98	0.40	0.15	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.43
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.75	0.51	0.06	0.01	0.02	0.06	0.08	0.13	0.09	0.29	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.91	0.94	0.40	0.20	0.03	0.04	0.06	0.08	0.10	0.05	0.19	0.55
USGS 07380335 - Little Lake Near Cutoff	0.93	0.99	0.56	0.39	0.21	0.10	0.15	0.25	0.29	0.17	0.21	0.68
USGS073802516 Barataria Pass at Grand Isle	0.88	0.93	0.32	0.20	0.08	0.02	0.04	0.11	0.13	0.03	0.15	0.55
HWQ14 - Lake Washington	0.86	0.81	0.26	0.03	0.01	0.02	0.07	0.08	0.14	0.06	0.17	0.47
HWQ16 - Bayou Grand Liard	0.90	0.98	0.86	0.84	0.81	0.54	0.57	0.52	0.50	0.33	0.24	0.76
CRMS 3985	0.97	0.70	0.76	0.09	0.03	0.06	0.15	0.24	0.32	0.27	0.49	0.94
CRMS 0258	1.08	1.14	0.96	0.53	0.13	0.00	0.00	0.00	0.04	0.00	0.43	0.93
CRMS 0224	0.98	1.06	0.63	0.41	0.12	0.01	0.01	0.01	0.08	0.01	0.28	0.72
CRMS 0163	1.36	1.44	1.25	1.27	1.13	1.28	1.21	0.76	1.43	1.26	1.36	1.26
CRMS 0162	1.28	1.24	1.22	1.20	1.11	1.27	1.44	1.43	1.12	0.83	1.01	1.23

V3PR8 HYST - cy 3 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.34	1.20	1.19	1.06	1.18	1.31	1.32	1.33	1.35	1.36	1.20
CRMS0276 - Just east of Wilkinson Canal	1.27	1.23	1.27	1.20	1.00	0.48	0.59	0.29	0.77	0.56	0.48	1.21
Barataria Waterway at Lafitte (USACE82875)	1.40	1.45	1.40	1.35	1.25	0.40	0.16	0.16	0.88	0.81	0.97	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.27	1.18	1.19	1.06	1.18	1.28	0.08	0.08	0.19	0.91	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.15	1.18	1.20	1.10	1.12	0.95	0.08	0.12	0.11	0.45	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.28	1.25	1.20	1.21	1.11	1.17	1.21	0.16	0.16	0.09	0.50	1.21
USGS 07380335 - Little Lake Near Cutoff	1.24	1.22	1.22	1.24	1.15	1.09	1.10	0.33	0.37	0.22	0.42	1.21
USGS073802516 Barataria Pass at Grand Isle	1.22	1.18	1.14	0.91	0.86	0.43	0.50	0.17	0.24	0.08	0.35	1.11
HWQ14 - Lake Washington	1.16	1.12	1.08	0.82	0.75	0.46	0.44	0.24	0.20	0.13	0.37	0.99
HWQ16 - Bayou Grand Liard	0.99	1.05	1.09	1.03	0.96	0.61	0.63	0.56	0.54	0.40	0.29	0.97
CRMS 3985	1.11	1.10	1.17	1.03	0.93	0.58	0.45	0.30	0.24	0.26	0.40	1.07
CRMS 0258	1.49	1.39	1.25	1.27	1.08	0.75	0.43	0.00	0.06	0.00	0.64	1.22
CRMS 0224	1.36	1.31	1.23	1.26	1.12	1.10	1.07	0.01	0.09	0.06	0.57	1.20
CRMS 0163	1.36	1.41	1.27	1.29	1.14	1.25	0.79	0.77	1.46	1.31	1.35	1.28
CRMS 0162	1.28	1.25	1.21	1.18	1.12	1.27	1.45	1.47	1.15	0.94	1.04	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.41	0.47	0.86	1.11	1.06	1.18	1.31	1.32	1.31	1.35	1.19	0.86
CRMS0276 - Just east of Wilkinson Canal	0.14	-0.01	-0.01	-0.03	-0.18	0.06	0.40	-0.01	0.03	0.06	-0.15	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	-0.03	0.02	-0.03	-0.03	-0.49	-0.69	-0.37	-0.30	-0.05	-0.08	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.29	0.78	1.04	1.06	1.18	1.28	0.07	0.06	0.19	0.70	0.76
USGS7380251 Barataria Bay North of Grand Isle	0.27	0.40	0.68	1.14	1.09	1.09	0.89	0.01	-0.01	0.02	0.16	0.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.37	0.31	0.80	1.02	1.07	1.14	1.15	0.08	0.05	0.04	0.31	0.65
USGS 07380335 - Little Lake Near Cutoff	0.31	0.22	0.66	0.84	0.93	0.99	0.95	0.09	0.08	0.05	0.21	0.53
USGS073802516 Barataria Pass at Grand Isle	0.33	0.24	0.82	0.71	0.79	0.40	0.46	0.06	0.11	0.05	0.20	0.56
HWQ14 - Lake Washington	0.30	0.32	0.82	0.79	0.74	0.44	0.37	0.17	0.06	0.08	0.20	0.51
HWQ16 - Bayou Grand Liard	0.10	0.07	0.22	0.19	0.15	0.07	0.06	0.03	0.04	0.07	0.05	0.21
CRMS 3985	0.14	0.41	0.41	0.94	0.90	0.52	0.31	0.06	-0.09	-0.01	-0.09	0.14
CRMS 0258	0.41	0.25	0.30	0.74	0.95	0.75	0.42	0.00	0.01	0.00	0.21	0.29
CRMS 0224	0.39	0.25	0.60	0.84	1.00	1.09	1.06	0.01	0.01	0.05	0.29	0.48
CRMS 0163	0.00	-0.02	0.01	0.01	0.02	-0.03	-0.42	0.01	0.03	0.05	0.00	0.02
CRMS 0162	-0.01	0.00	-0.01	-0.02	0.01	0.01	0.01	0.04	0.03	0.11	0.03	0.01

Figure WQ NO3 155 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.88	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.01	0.21	0.26
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.23	1.22	0.96	0.82	0.18	0.22	0.55	0.50	0.92	1.08
Barataria Waterway at Lafitte (USACE82875)	1.33	1.37	1.45	1.35	1.38	1.16	0.42	0.16	0.84	1.04	1.32	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	0.77	0.95	0.25	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.25	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.63	0.86	0.47	0.03	0.01	0.03	0.07	0.12	0.14	0.13	0.40	0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.73	0.92	0.39	0.15	0.02	0.04	0.06	0.07	0.10	0.05	0.33	0.55
USGS 07380335 - Little Lake Near Cutoff	0.81	1.00	0.52	0.37	0.11	0.15	0.17	0.16	0.25	0.16	0.44	0.66
USGS073802516 Barataria Pass at Grand Isle	0.73	0.91	0.37	0.17	0.03	0.03	0.04	0.06	0.11	0.03	0.28	0.53
HWQ14 - Lake Washington	0.60	0.78	0.31	0.02	0.01	0.02	0.07	0.11	0.14	0.05	0.24	0.47
HWQ16 - Bayou Grand Liard	0.83	1.06	0.89	0.83	0.64	0.67	0.47	0.11	0.35	0.26	0.49	0.66
CRMS 3985	0.65	0.92	0.68	0.06	0.03	0.07	0.17	0.37	0.33	0.37	0.66	0.67
CRMS 0258	0.93	1.16	0.65	0.41	0.04	0.00	0.00	0.00	0.03	0.00	0.55	0.94
CRMS 0224	0.82	1.06	0.45	0.33	0.04	0.01	0.01	0.01	0.11	0.03	0.43	0.75
CRMS 0163	1.30	1.26	1.35	1.23	1.31	1.35	0.51	0.48	1.25	1.31	1.39	1.42
CRMS 0162	1.26	1.22	1.26	1.18	1.20	1.32	1.50	1.05	0.48	1.05	1.14	1.28

V3PR9 HYST - cy 3 - 2002 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.70	0.87	0.34	0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.19	0.25
CRMS0276 - Just east of Wilkinson Canal	1.04	1.30	1.17	1.17	0.79	0.75	0.20	0.20	0.56	0.40	0.68	1.02
Barataria Waterway at Lafitte (USACE82875)	1.34	1.40	1.39	1.32	0.82	0.83	0.13	0.04	0.53	0.65	1.19	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.76	0.94	0.28	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.17	0.32
USGS7380251 Barataria Bay North of Grand Isle	0.63	0.85	0.61	0.04	0.01	0.03	0.07	0.11	0.13	0.13	0.42	0.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.73	0.90	0.38	0.13	0.02	0.04	0.06	0.07	0.10	0.04	0.18	0.52
USGS 07380335 - Little Lake Near Cutoff	0.80	0.98	0.48	0.32	0.10	0.13	0.17	0.16	0.23	0.13	0.18	0.61
USGS073802516 Barataria Pass at Grand Isle	0.73	0.89	0.35	0.14	0.03	0.03	0.04	0.05	0.12	0.02	0.18	0.51
HWQ14 - Lake Washington	0.60	0.77	0.40	0.01	0.01	0.02	0.07	0.12	0.14	0.06	0.26	0.52
HWQ16 - Bayou Grand Liard	0.83	1.04	0.85	0.78	0.60	0.63	0.46	0.10	0.29	0.12	0.30	0.60
CRMS 3985	0.65	0.92	0.85	0.13	0.03	0.07	0.17	0.38	0.34	0.38	0.70	0.69
CRMS 0258	0.93	1.15	0.66	0.36	0.02	0.00	0.00	0.00	0.16	0.06	0.27	0.79
CRMS 0224	0.81	1.04	0.44	0.30	0.03	0.01	0.01	0.01	0.10	0.06	0.20	0.63
CRMS 0163	1.30	1.27	1.34	1.23	1.29	1.31	0.33	0.44	1.21	1.25	1.36	1.42
CRMS 0162	1.26	1.22	1.24	1.16	1.16	1.32	1.51	1.01	0.46	1.06	1.12	1.28

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.01	0.06	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.02	-0.05	-0.05	-0.17	-0.07	0.02	-0.02	0.02	-0.11	-0.25	-0.06
Barataria Waterway at Lafitte (USACE82875)	0.01	0.03	-0.06	-0.03	-0.56	-0.33	-0.29	-0.12	-0.31	-0.38	-0.13	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.01	0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.07	-0.05
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.14	0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.02	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.02	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.15	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	-0.04	-0.04	0.00	-0.02	0.00	0.00	-0.02	-0.03	-0.26	-0.06
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.02	-0.03	0.00	0.00	0.00	-0.01	0.01	0.00	-0.10	-0.02
HWQ14 - Lake Washington	0.00	-0.01	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.04
HWQ16 - Bayou Grand Liard	0.00	-0.02	-0.04	-0.05	-0.04	-0.04	0.00	-0.01	-0.06	-0.14	-0.19	-0.06
CRMS 3985	0.00	0.00	0.18	0.07	0.00	0.00	0.00	0.01	0.01	0.01	0.05	0.02
CRMS 0258	-0.01	-0.01	0.01	-0.05	-0.01	0.00	0.00	0.00	0.13	0.05	-0.27	-0.15
CRMS 0224	-0.01	-0.02	-0.01	-0.03	-0.01	0.00	0.00	0.00	-0.01	0.03	-0.24	-0.11
CRMS 0163	0.00	0.01	-0.01	0.00	-0.01	-0.04	-0.18	-0.04	-0.04	-0.06	-0.03	0.00
CRMS 0162	0.00	0.00	-0.02	-0.01	-0.04	0.00	0.00	-0.04	-0.03	0.01	-0.02	0.00

Figure WQ NO3 156 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	1.02	0.28	0.02	0.00	0.00	0.00	0.00	0.02	0.00	0.17	0.33
CRMS0276 - Just east of Wilkinson Canal	1.08	1.33	1.33	1.06	0.82	0.32	0.16	0.28	0.61	0.40	0.58	1.15
Barataria Waterway at Lafitte (USACE82875)	1.35	1.35	1.33	1.36	1.26	0.47	0.58	0.45	1.10	0.72	1.11	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	0.94	1.07	0.27	0.06	0.00	0.00	0.00	0.00	0.01	0.00	0.18	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.96	0.99	0.38	0.02	0.01	0.02	0.07	0.14	0.15	0.09	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.03	0.44	0.13	0.02	0.03	0.05	0.08	0.11	0.04	0.14	0.53
USGS 07380335 - Little Lake Near Cutoff	0.88	1.09	0.62	0.29	0.11	0.07	0.13	0.21	0.27	0.14	0.13	0.64
USGS073802516 Barataria Pass at Grand Isle	0.84	1.01	0.44	0.13	0.04	0.02	0.03	0.07	0.12	0.02	0.12	0.51
HWQ14 - Lake Washington	0.85	0.94	0.30	0.02	0.01	0.02	0.06	0.12	0.14	0.05	0.19	0.47
HWQ16 - Bayou Grand Liard	0.84	1.10	1.00	0.74	0.67	0.41	0.38	0.21	0.41	0.20	0.21	0.68
CRMS 3985	1.06	1.00	0.44	0.03	0.03	0.07	0.17	0.43	0.36	0.29	0.58	0.94
CRMS 0258	1.05	1.22	0.72	0.34	0.05	0.00	0.00	0.00	0.03	0.00	0.33	0.92
CRMS 0224	0.93	1.14	0.54	0.26	0.05	0.01	0.01	0.01	0.10	0.02	0.21	0.70
CRMS 0163	1.31	1.23	1.19	1.24	1.26	1.11	0.76	0.65	1.39	1.05	1.37	1.34
CRMS 0162	1.28	1.21	1.19	1.19	1.22	1.41	1.52	1.25	0.72	0.44	1.04	1.26

V3PR9 HYST - cy 3 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.91	0.94	0.20	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.17	0.32
CRMS0276 - Just east of Wilkinson Canal	1.08	1.33	1.30	0.93	0.75	0.28	0.20	0.27	0.61	0.32	0.36	1.10
Barataria Waterway at Lafitte (USACE82875)	1.37	1.40	1.38	1.03	0.76	0.18	0.16	0.09	0.70	0.48	0.98	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	0.92	1.03	0.23	0.05	0.00	0.00	0.00	0.00	0.01	0.00	0.15	0.35
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.79	0.16	0.01	0.01	0.02	0.08	0.12	0.14	0.09	0.38	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	0.98	0.31	0.08	0.02	0.03	0.05	0.07	0.10	0.04	0.11	0.49
USGS 07380335 - Little Lake Near Cutoff	0.88	1.06	0.51	0.23	0.09	0.05	0.13	0.19	0.25	0.12	0.07	0.57
USGS073802516 Barataria Pass at Grand Isle	0.84	0.98	0.32	0.10	0.03	0.01	0.03	0.06	0.11	0.02	0.10	0.49
HWQ14 - Lake Washington	0.84	0.83	0.13	0.01	0.01	0.02	0.06	0.12	0.14	0.05	0.22	0.52
HWQ16 - Bayou Grand Liard	0.86	1.10	0.95	0.69	0.63	0.40	0.37	0.16	0.34	0.12	0.16	0.64
CRMS 3985	0.99	0.67	0.15	0.01	0.02	0.05	0.20	0.47	0.36	0.32	0.65	0.95
CRMS 0258	1.04	1.21	0.68	0.29	0.05	0.00	0.00	0.00	0.12	0.01	0.19	0.75
CRMS 0224	0.91	1.12	0.48	0.20	0.05	0.01	0.01	0.01	0.13	0.05	0.10	0.54
CRMS 0163	1.32	1.25	1.20	1.24	1.25	1.02	0.54	0.55	1.32	1.11	1.32	1.34
CRMS 0162	1.29	1.22	1.19	1.19	1.21	1.40	1.52	1.24	0.71	0.46	1.02	1.27

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.08	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.03	-0.13	-0.07	-0.04	0.04	-0.01	0.00	-0.08	-0.22	-0.05
Barataria Waterway at Lafitte (USACE82875)	0.02	0.05	0.05	-0.33	-0.50	-0.29	-0.43	-0.36	-0.40	-0.24	-0.13	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.04	-0.04	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.19	-0.22	-0.01	0.00	-0.01	0.01	-0.02	-0.01	0.00	0.04	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.13	-0.05	0.00	0.00	0.00	-0.01	0.00	0.00	-0.03	-0.04
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.11	-0.06	-0.03	-0.01	0.00	-0.02	-0.02	-0.02	-0.06	-0.07
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.12	-0.03	-0.01	0.00	0.00	-0.01	0.00	0.00	-0.02	-0.02
HWQ14 - Lake Washington	-0.01	-0.11	-0.17	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.03	0.05
HWQ16 - Bayou Grand Liard	0.02	0.00	-0.05	-0.04	-0.04	-0.01	-0.01	-0.05	-0.07	-0.08	-0.05	-0.04
CRMS 3985	-0.07	-0.33	-0.29	-0.02	-0.01	-0.01	0.03	0.03	0.00	0.03	0.08	0.00
CRMS 0258	-0.01	-0.01	-0.05	-0.05	-0.01	0.00	0.00	0.00	0.09	0.00	-0.13	-0.17
CRMS 0224	-0.01	-0.03	-0.07	-0.06	-0.01	0.00	0.00	0.00	0.03	0.03	-0.11	-0.16
CRMS 0163	0.01	0.01	0.01	0.00	-0.01	-0.09	-0.22	-0.10	-0.07	0.06	-0.05	0.00
CRMS 0162	0.01	0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.02	-0.02	0.00

Figure WQ NO3 157 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.95	0.32	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.36
CRMS0276 - Just east of Wilkinson Canal	0.93	1.27	1.16	1.10	1.02	0.55	0.11	0.13	0.37	0.51	0.95	1.12
Barataria Waterway at Lafitte (USACE82875)	1.30	1.39	1.44	1.43	1.46	0.97	0.21	0.11	0.62	1.13	1.32	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	0.99	0.28	0.08	0.00	0.00	0.00	0.00	0.01	0.00	0.28	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.95	0.66	0.02	0.01	0.02	0.12	0.09	0.10	0.12	0.46	0.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.95	0.45	0.13	0.01	0.02	0.04	0.04	0.08	0.04	0.32	0.58
USGS 07380335 - Little Lake Near Cutoff	0.79	0.99	0.53	0.30	0.08	0.05	0.09	0.07	0.14	0.13	0.43	0.70
USGS073802516 Barataria Pass at Grand Isle	0.78	0.93	0.41	0.15	0.04	0.02	0.02	0.02	0.07	0.02	0.28	0.57
HWQ14 - Lake Washington	0.84	0.88	0.45	0.01	0.01	0.02	0.08	0.07	0.11	0.03	0.26	0.54
HWQ16 - Bayou Grand Liard	0.73	1.00	0.82	0.73	0.62	0.42	0.19	0.05	0.16	0.15	0.49	0.71
CRMS 3985	1.02	1.01	0.91	0.06	0.03	0.10	0.36	0.37	0.29	0.41	0.69	0.96
CRMS 0258	0.91	1.13	0.50	0.40	0.06	0.00	0.00	0.00	0.07	0.03	0.63	0.90
CRMS 0224	0.83	1.05	0.45	0.30	0.06	0.01	0.01	0.01	0.06	0.04	0.46	0.73
CRMS 0163	1.33	1.32	1.38	1.40	1.42	1.28	0.24	0.47	0.80	1.35	1.37	1.36
CRMS 0162	1.27	1.26	1.24	1.15	1.10	1.16	1.11	0.49	0.20	0.91	1.18	1.30

V3PR9 HYST - cy 3 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	0.94	0.34	0.06	0.00	0.00	0.00	0.00	0.02	0.00	0.26	0.36
CRMS0276 - Just east of Wilkinson Canal	0.91	1.24	1.16	1.03	0.88	0.54	0.13	0.09	0.31	0.33	0.73	1.10
Barataria Waterway at Lafitte (USACE82875)	1.29	1.39	1.38	1.25	0.97	0.40	0.03	0.02	0.29	0.81	1.22	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	0.97	0.34	0.12	0.00	0.00	0.00	0.00	0.01	0.01	0.23	0.39
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.95	0.66	0.07	0.02	0.03	0.13	0.09	0.11	0.13	0.45	0.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	0.93	0.46	0.14	0.01	0.02	0.04	0.04	0.07	0.03	0.21	0.58
USGS 07380335 - Little Lake Near Cutoff	0.79	0.97	0.56	0.30	0.07	0.06	0.10	0.07	0.12	0.08	0.23	0.68
USGS073802516 Barataria Pass at Grand Isle	0.78	0.92	0.41	0.16	0.05	0.03	0.02	0.02	0.06	0.02	0.21	0.57
HWQ14 - Lake Washington	0.84	0.88	0.48	0.02	0.01	0.02	0.10	0.09	0.12	0.04	0.27	0.57
HWQ16 - Bayou Grand Liard	0.73	0.99	0.80	0.70	0.59	0.42	0.17	0.05	0.11	0.06	0.35	0.70
CRMS 3985	1.02	1.00	0.93	0.21	0.10	0.11	0.39	0.38	0.30	0.42	0.70	0.95
CRMS 0258	0.92	1.11	0.68	0.41	0.04	0.00	0.00	0.01	0.09	0.13	0.39	0.92
CRMS 0224	0.84	1.02	0.54	0.30	0.05	0.01	0.01	0.01	0.06	0.08	0.23	0.72
CRMS 0163	1.33	1.32	1.37	1.39	1.39	1.07	0.16	0.39	0.76	1.30	1.36	1.36
CRMS 0162	1.27	1.26	1.22	1.13	1.08	1.21	1.05	0.47	0.18	0.90	1.17	1.29

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS0276 - Just east of Wilkinson Canal	-0.03	-0.03	0.00	-0.06	-0.14	-0.01	0.02	-0.04	-0.06	-0.18	-0.22	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.06	-0.19	-0.48	-0.57	-0.19	-0.09	-0.33	-0.32	-0.10	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	-0.02	0.06	0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.05	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.00	0.04	0.02	0.00	0.01	0.00	0.01	0.01	-0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.12	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	0.02	0.00	-0.01	0.00	0.01	-0.01	-0.02	-0.05	-0.20	-0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	-0.01	-0.08	0.00
HWQ14 - Lake Washington	0.01	0.00	0.03	0.01	0.00	0.00	0.02	0.02	0.01	0.01	0.02	0.03
HWQ16 - Bayou Grand Liard	0.00	-0.01	-0.02	-0.04	-0.03	0.00	-0.02	0.00	-0.04	-0.09	-0.13	-0.01
CRMS 3985	0.00	0.00	0.02	0.14	0.07	0.02	0.03	0.02	0.01	0.01	0.01	-0.02
CRMS 0258	0.01	-0.03	0.18	0.00	-0.01	0.00	0.00	0.00	0.02	0.10	-0.23	0.02
CRMS 0224	0.00	-0.03	0.08	0.00	-0.01	0.00	0.00	0.00	0.00	0.03	-0.22	-0.01
CRMS 0163	0.00	0.00	0.00	-0.01	-0.02	-0.21	-0.08	-0.08	-0.04	-0.05	-0.02	0.00
CRMS 0162	0.00	0.00	-0.02	-0.03	-0.02	0.05	-0.06	-0.02	-0.02	-0.01	-0.01	0.00

Figure WQ NO3 158 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.85	1.01	0.27	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.15	0.28
CRMS0276 - Just east of Wilkinson Canal	1.03	1.33	1.25	1.08	0.97	0.73	0.40	0.41	0.84	0.54	0.78	1.00
Barataria Waterway at Lafitte (USACE82875)	1.31	1.31	1.41	1.38	1.29	1.07	1.24	0.96	1.35	1.03	1.09	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.86	1.06	0.25	0.04	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.37
USGS7380251 Barataria Bay North of Grand Isle	0.89	0.97	0.43	0.02	0.01	0.03	0.07	0.11	0.13	0.10	0.16	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.80	1.04	0.40	0.13	0.02	0.04	0.07	0.09	0.12	0.05	0.25	0.40
USGS 07380335 - Little Lake Near Cutoff	0.81	1.10	0.54	0.29	0.10	0.13	0.21	0.27	0.32	0.18	0.35	0.52
USGS073802516 Barataria Pass at Grand Isle	0.77	1.02	0.40	0.13	0.02	0.03	0.07	0.13	0.15	0.02	0.19	0.36
HWQ14 - Lake Washington	0.78	0.92	0.30	0.02	0.01	0.02	0.07	0.12	0.15	0.06	0.12	0.25
HWQ16 - Bayou Grand Liard	0.83	1.12	0.93	0.74	0.61	0.61	0.64	0.59	0.54	0.36	0.39	0.53
CRMS 3985	1.00	0.98	0.57	0.05	0.04	0.08	0.16	0.34	0.34	0.30	0.21	0.78
CRMS 0258	0.96	1.23	0.63	0.33	0.03	0.00	0.01	0.00	0.07	0.00	0.53	0.79
CRMS 0224	0.84	1.15	0.47	0.26	0.03	0.01	0.01	0.01	0.10	0.01	0.36	0.61
CRMS 0163	1.27	1.20	1.28	1.28	1.34	1.38	1.35	1.08	1.45	1.31	1.39	1.38
CRMS 0162	1.24	1.19	1.24	1.18	1.17	1.35	1.43	1.42	1.20	1.08	1.01	1.20

V3PR9 HYST - cy 3 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.63	0.81	0.18	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.20	0.30
CRMS0276 - Just east of Wilkinson Canal	0.98	1.33	1.18	0.95	0.80	0.61	0.29	0.35	0.78	0.53	0.40	0.82
Barataria Waterway at Lafitte (USACE82875)	1.34	1.37	1.39	0.99	0.89	0.60	0.53	0.27	0.93	0.80	0.89	1.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.68	0.92	0.20	0.03	0.00	0.00	0.00	0.00	0.02	0.00	0.20	0.39
USGS7380251 Barataria Bay North of Grand Isle	0.53	0.66	0.19	0.01	0.01	0.03	0.14	0.10	0.13	0.10	0.38	0.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.63	0.89	0.28	0.08	0.01	0.03	0.06	0.08	0.11	0.05	0.18	0.41
USGS 07380335 - Little Lake Near Cutoff	0.71	1.00	0.45	0.23	0.07	0.10	0.17	0.26	0.31	0.18	0.17	0.44
USGS073802516 Barataria Pass at Grand Isle	0.63	0.89	0.30	0.09	0.02	0.03	0.06	0.10	0.14	0.03	0.14	0.39
HWQ14 - Lake Washington	0.50	0.66	0.13	0.01	0.01	0.02	0.12	0.13	0.15	0.06	0.23	0.36
HWQ16 - Bayou Grand Liard	0.77	1.09	0.88	0.71	0.58	0.55	0.55	0.54	0.50	0.33	0.19	0.45
CRMS 3985	0.52	0.57	0.21	0.02	0.03	0.10	0.41	0.44	0.37	0.33	0.60	0.32
CRMS 0258	0.85	1.19	0.59	0.28	0.01	0.00	0.01	0.00	0.07	0.00	0.38	0.57
CRMS 0224	0.71	1.07	0.40	0.21	0.02	0.01	0.01	0.01	0.10	0.01	0.25	0.48
CRMS 0163	1.28	1.20	1.29	1.28	1.28	1.30	1.11	0.81	1.42	1.28	1.30	1.41
CRMS 0162	1.25	1.20	1.23	1.17	1.15	1.34	1.42	1.42	1.21	1.11	0.99	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.22	-0.20	-0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.03
CRMS0276 - Just east of Wilkinson Canal	-0.05	0.00	-0.06	-0.12	-0.17	-0.12	-0.11	-0.06	-0.06	-0.01	-0.38	-0.18
Barataria Waterway at Lafitte (USACE82875)	0.03	0.06	-0.02	-0.39	-0.39	-0.47	-0.71	-0.69	-0.43	-0.22	-0.21	-0.22
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.18	-0.14	-0.05	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.37	-0.31	-0.24	-0.01	0.00	0.00	0.08	-0.01	0.00	0.00	0.21	-0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.16	-0.15	-0.12	-0.05	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.07	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.10	-0.10	-0.10	-0.06	-0.03	-0.03	-0.04	-0.01	-0.02	0.00	-0.17	-0.08
USGS073802516 Barataria Pass at Grand Isle	-0.14	-0.13	-0.11	-0.03	0.00	0.00	-0.02	-0.02	-0.02	0.00	-0.05	0.03
HWQ14 - Lake Washington	-0.28	-0.26	-0.18	-0.01	0.00	0.00	0.05	0.00	0.00	0.00	0.11	0.11
HWQ16 - Bayou Grand Liard	-0.05	-0.04	-0.05	-0.03	-0.03	-0.05	-0.09	-0.06	-0.03	-0.03	-0.20	-0.07
CRMS 3985	-0.48	-0.41	-0.36	-0.03	-0.01	0.02	0.24	0.10	0.03	0.04	0.40	-0.46
CRMS 0258	-0.11	-0.04	-0.04	-0.05	-0.02	0.00	0.00	0.00	0.00	0.00	-0.14	-0.22
CRMS 0224	-0.13	-0.08	-0.07	-0.05	-0.01	0.00	0.00	0.00	0.01	0.00	-0.11	-0.13
CRMS 0163	0.01	0.01	0.01	-0.01	-0.07	-0.08	-0.24	-0.26	-0.03	-0.04	-0.09	0.03
CRMS 0162	0.01	0.00	-0.01	-0.01	-0.02	-0.01	-0.02	0.00	0.01	0.03	-0.02	0.03

Figure WQ NO3 159 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.91	0.87	0.34	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.35
CRMS0276 - Just east of Wilkinson Canal	1.13	1.24	1.28	1.23	1.18	0.42	0.19	0.30	0.74	0.50	0.62	1.25
Barataria Waterway at Lafitte (USACE82875)	1.38	1.48	1.38	1.38	1.28	0.89	0.85	0.53	1.18	0.85	1.05	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.95	0.98	0.40	0.15	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.43
USGS7380251 Barataria Bay North of Grand Isle	0.93	0.75	0.51	0.06	0.01	0.02	0.06	0.08	0.13	0.09	0.29	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.91	0.94	0.40	0.20	0.03	0.04	0.06	0.08	0.10	0.05	0.19	0.55
USGS 07380335 - Little Lake Near Cutoff	0.93	0.99	0.56	0.39	0.21	0.10	0.15	0.25	0.29	0.17	0.21	0.68
USGS073802516 Barataria Pass at Grand Isle	0.88	0.93	0.32	0.20	0.08	0.02	0.04	0.11	0.13	0.03	0.15	0.55
HWQ14 - Lake Washington	0.86	0.81	0.26	0.03	0.01	0.02	0.07	0.08	0.14	0.06	0.17	0.47
HWQ16 - Bayou Grand Liard	0.90	0.98	0.86	0.84	0.81	0.54	0.57	0.52	0.50	0.33	0.24	0.76
CRMS 3985	0.97	0.70	0.76	0.09	0.03	0.06	0.15	0.24	0.32	0.27	0.49	0.94
CRMS 0258	1.08	1.14	0.96	0.53	0.13	0.00	0.00	0.00	0.04	0.00	0.43	0.93
CRMS 0224	0.98	1.06	0.63	0.41	0.12	0.01	0.01	0.01	0.08	0.01	0.28	0.72
CRMS 0163	1.36	1.44	1.25	1.27	1.13	1.28	1.21	0.76	1.43	1.26	1.36	1.26
CRMS 0162	1.28	1.24	1.22	1.20	1.11	1.27	1.44	1.43	1.12	0.83	1.01	1.23

V3PR9 HYST - cy 3 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.89	0.85	0.31	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.36
CRMS0276 - Just east of Wilkinson Canal	1.11	1.18	1.16	1.19	1.15	0.37	0.19	0.32	0.73	0.42	0.35	1.17
Barataria Waterway at Lafitte (USACE82875)	1.39	1.47	1.39	1.36	1.26	0.40	0.25	0.13	0.77	0.68	0.88	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.93	0.96	0.25	0.15	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.41
USGS7380251 Barataria Bay North of Grand Isle	0.91	0.74	0.50	0.05	0.01	0.03	0.06	0.08	0.13	0.10	0.36	0.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.89	0.93	0.33	0.19	0.03	0.04	0.06	0.09	0.11	0.05	0.13	0.53
USGS 07380335 - Little Lake Near Cutoff	0.92	0.98	0.48	0.39	0.20	0.11	0.16	0.27	0.31	0.17	0.10	0.62
USGS073802516 Barataria Pass at Grand Isle	0.87	0.92	0.28	0.20	0.08	0.03	0.04	0.13	0.15	0.03	0.11	0.53
HWQ14 - Lake Washington	0.85	0.79	0.27	0.03	0.01	0.02	0.07	0.09	0.13	0.06	0.22	0.52
HWQ16 - Bayou Grand Liard	0.90	0.96	0.72	0.83	0.79	0.55	0.55	0.48	0.48	0.29	0.15	0.71
CRMS 3985	0.95	0.69	0.76	0.08	0.03	0.07	0.15	0.25	0.32	0.32	0.61	0.93
CRMS 0258	1.07	1.03	0.59	0.54	0.08	0.00	0.00	0.00	0.06	0.00	0.33	0.81
CRMS 0224	0.96	1.01	0.38	0.42	0.10	0.01	0.01	0.01	0.12	0.02	0.18	0.61
CRMS 0163	1.37	1.44	1.26	1.27	1.14	1.27	0.98	0.63	1.38	1.21	1.30	1.27
CRMS 0162	1.29	1.24	1.21	1.19	1.11	1.27	1.44	1.43	1.11	0.82	1.00	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.02	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.06	-0.12	-0.04	-0.03	-0.05	0.00	0.01	-0.01	-0.08	-0.27	-0.07
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.01	0.01	-0.03	-0.02	-0.49	-0.60	-0.40	-0.41	-0.17	-0.17	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.02	-0.14	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.06	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.09	0.00	-0.01	0.01	0.00	0.02	0.01	0.00	-0.11	-0.06
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	-0.04	0.00	0.00	0.00	0.00	0.02	0.01	0.00	-0.04	-0.02
HWQ14 - Lake Washington	-0.01	-0.02	0.02	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.05	0.04
HWQ16 - Bayou Grand Liard	0.01	-0.02	-0.14	-0.01	-0.02	0.01	-0.02	-0.05	-0.02	-0.04	-0.09	-0.04
CRMS 3985	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.01	0.00	0.04	0.13	-0.01
CRMS 0258	-0.01	-0.11	-0.36	0.01	-0.05	0.00	0.00	0.00	0.02	0.00	-0.10	-0.12
CRMS 0224	-0.02	-0.05	-0.25	0.01	-0.02	0.00	0.00	0.00	0.04	0.01	-0.10	-0.11
CRMS 0163	0.01	0.00	0.01	0.00	0.01	-0.01	-0.23	-0.13	-0.05	-0.05	-0.06	0.01
CRMS 0162	0.01	0.00	-0.01	-0.01	0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00

Figure WQ NO3 160 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.12	0.46	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.20	0.45
CRMS0276 - Just east of Wilkinson Canal	1.00	1.29	1.34	1.28	0.93	0.82	0.58	0.40	0.93	0.85	0.78	0.96
Barataria Waterway at Lafitte (USACE82875)	1.27	1.37	1.32	1.22	1.31	1.34	1.32	1.00	1.47	1.27	1.09	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.99	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.51
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.10	0.67	0.14	0.02	0.03	0.06	0.07	0.13	0.08	0.32	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	1.09	0.69	0.36	0.04	0.05	0.10	0.11	0.13	0.07	0.28	0.54
USGS 07380335 - Little Lake Near Cutoff	0.82	1.10	0.89	0.60	0.18	0.18	0.30	0.31	0.36	0.28	0.39	0.61
USGS073802516 Barataria Pass at Grand Isle	0.80	1.05	0.65	0.37	0.07	0.04	0.10	0.17	0.15	0.06	0.23	0.48
HWQ14 - Lake Washington	0.88	1.03	0.50	0.13	0.01	0.03	0.09	0.08	0.13	0.05	0.17	0.43
HWQ16 - Bayou Grand Liard	0.73	1.04	1.04	0.94	0.65	0.59	0.68	0.51	0.54	0.47	0.42	0.53
CRMS 3985	1.08	1.13	0.86	0.16	0.04	0.07	0.14	0.21	0.30	0.26	0.50	0.91
CRMS 0258	1.03	1.26	0.97	0.72	0.13	0.02	0.01	0.00	0.32	0.07	0.48	0.88
CRMS 0224	0.91	1.18	0.80	0.61	0.10	0.03	0.02	0.01	0.26	0.07	0.35	0.74
CRMS 0163	1.29	1.31	1.23	1.13	1.23	1.37	1.36	1.16	1.43	1.33	1.31	1.40
CRMS 0162	1.26	1.23	1.19	1.09	1.16	1.32	1.42	1.38	1.16	1.14	0.84	1.03

V3PR2 HYST - cy 4 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.24	1.18	1.07	1.15	1.24	1.28	1.29	1.27	1.28	1.35	1.33
CRMS0276 - Just east of Wilkinson Canal	1.08	1.30	1.36	1.29	0.75	0.68	0.43	0.37	0.94	0.86	0.82	0.97
Barataria Waterway at Lafitte (USACE82875)	1.28	1.38	1.33	1.23	1.31	1.29	1.26	0.94	1.50	1.30	1.11	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.22	1.15	1.06	1.14	1.22	1.20	0.27	0.11	0.37	0.83	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.24	1.21	0.85	0.42	0.18	0.26	0.10	0.24	0.16	0.47	0.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.26	1.28	0.93	0.43	0.22	0.29	0.15	0.21	0.23	0.49	0.80
USGS 07380335 - Little Lake Near Cutoff	1.00	1.24	1.29	0.91	0.37	0.28	0.43	0.40	0.44	0.44	0.53	0.78
USGS073802516 Barataria Pass at Grand Isle	1.01	1.21	1.16	0.56	0.20	0.08	0.19	0.16	0.24	0.19	0.41	0.66
HWQ14 - Lake Washington	1.07	1.20	1.07	0.43	0.19	0.11	0.27	0.22	0.22	0.15	0.36	0.71
HWQ16 - Bayou Grand Liard	0.83	1.11	1.13	0.94	0.56	0.49	0.59	0.52	0.55	0.49	0.46	0.60
CRMS 3985	1.15	1.20	1.15	0.56	0.23	0.16	0.23	0.21	0.25	0.20	0.50	1.01
CRMS 0258	1.23	1.34	1.35	0.93	0.18	0.07	0.11	0.01	0.32	0.08	0.68	0.96
CRMS 0224	1.15	1.31	1.34	0.98	0.26	0.19	0.26	0.06	0.28	0.21	0.59	0.91
CRMS 0163	1.29	1.31	1.23	1.13	1.23	1.37	1.32	1.10	1.45	1.36	1.31	1.39
CRMS 0162	1.27	1.23	1.19	1.09	1.16	1.32	1.42	1.40	1.16	1.15	0.84	1.01

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.26	0.12	0.72	0.91	1.15	1.24	1.27	1.29	1.24	1.28	1.15	0.88
CRMS0276 - Just east of Wilkinson Canal	0.07	0.01	0.01	0.01	-0.18	-0.14	-0.15	-0.03	0.02	0.02	0.04	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.01	0.01	0.00	-0.05	-0.06	-0.05	0.03	0.03	0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.06	0.72	0.78	1.14	1.22	1.20	0.26	0.08	0.37	0.62	0.57
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.14	0.55	0.70	0.40	0.15	0.20	0.04	0.11	0.08	0.16	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.24	0.18	0.59	0.57	0.38	0.17	0.18	0.04	0.08	0.16	0.21	0.26
USGS 07380335 - Little Lake Near Cutoff	0.18	0.14	0.40	0.31	0.19	0.10	0.13	0.09	0.08	0.16	0.14	0.17
USGS073802516 Barataria Pass at Grand Isle	0.20	0.16	0.51	0.19	0.14	0.04	0.09	-0.01	0.09	0.13	0.18	0.18
HWQ14 - Lake Washington	0.19	0.17	0.57	0.30	0.17	0.08	0.18	0.14	0.09	0.10	0.19	0.28
HWQ16 - Bayou Grand Liard	0.10	0.07	0.09	0.01	-0.08	-0.10	-0.09	0.00	0.02	0.02	0.05	0.07
CRMS 3985	0.08	0.07	0.29	0.39	0.19	0.09	0.09	0.00	-0.06	-0.06	0.00	0.10
CRMS 0258	0.20	0.08	0.38	0.20	0.04	0.05	0.10	0.00	0.01	0.01	0.21	0.08
CRMS 0224	0.24	0.12	0.53	0.37	0.16	0.16	0.24	0.05	0.02	0.14	0.23	0.16
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.07	0.02	0.02	0.00	-0.01
CRMS 0162	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	-0.02

Figure WQ NO3 161 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.14	0.37	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.46
CRMS0276 - Just east of Wilkinson Canal	1.10	1.34	1.35	1.24	1.15	0.52	0.20	0.29	0.68	0.50	0.80	1.17
Barataria Waterway at Lafitte (USACE82875)	1.31	1.33	1.30	1.34	1.35	1.00	1.01	0.79	1.36	0.92	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	1.19	0.37	0.17	0.02	0.00	0.00	0.00	0.02	0.00	0.22	0.53
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.10	0.54	0.10	0.01	0.03	0.08	0.09	0.13	0.06	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.93	1.14	0.62	0.25	0.05	0.05	0.06	0.08	0.12	0.05	0.16	0.63
USGS 07380335 - Little Lake Near Cutoff	0.92	1.17	0.82	0.44	0.22	0.13	0.16	0.17	0.29	0.16	0.19	0.74
USGS073802516 Barataria Pass at Grand Isle	0.89	1.10	0.61	0.25	0.07	0.03	0.04	0.09	0.12	0.04	0.16	0.61
HWQ14 - Lake Washington	0.91	1.06	0.43	0.09	0.01	0.03	0.08	0.09	0.12	0.03	0.17	0.48
HWQ16 - Bayou Grand Liard	0.84	1.12	1.06	0.82	0.75	0.46	0.34	0.13	0.38	0.20	0.28	0.72
CRMS 3985	1.09	1.12	0.69	0.14	0.04	0.07	0.20	0.36	0.32	0.22	0.57	0.94
CRMS 0258	1.10	1.31	0.88	0.60	0.21	0.00	0.01	0.00	0.19	0.01	0.53	1.00
CRMS 0224	1.00	1.24	0.74	0.47	0.18	0.02	0.01	0.02	0.18	0.03	0.30	0.82
CRMS 0163	1.31	1.24	1.20	1.24	1.26	1.27	1.14	0.92	1.38	1.04	1.36	1.34
CRMS 0162	1.26	1.21	1.18	1.17	1.17	1.36	1.51	1.15	0.62	0.43	0.95	1.22

V3PR2 HYST - cy 4 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.18	1.15	1.17	1.17	1.28	1.25	1.27	1.28	1.28	1.29	1.25
CRMS0276 - Just east of Wilkinson Canal	1.18	1.34	1.37	1.13	0.95	0.45	0.18	0.27	0.63	0.45	0.79	1.17
Barataria Waterway at Lafitte (USACE82875)	1.32	1.34	1.31	1.35	1.36	0.93	1.01	0.78	1.31	0.87	1.23	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.16	1.13	1.16	1.17	0.30	0.02	0.00	0.05	0.09	0.77	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.24	1.20	0.84	0.51	0.06	0.09	0.10	0.16	0.07	0.53	1.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.29	1.26	0.81	0.54	0.08	0.08	0.09	0.15	0.05	0.37	1.01
USGS 07380335 - Little Lake Near Cutoff	1.13	1.30	1.28	0.70	0.48	0.19	0.19	0.22	0.31	0.18	0.36	0.95
USGS073802516 Barataria Pass at Grand Isle	1.12	1.27	1.13	0.45	0.29	0.05	0.04	0.10	0.16	0.03	0.28	0.80
HWQ14 - Lake Washington	1.15	1.23	1.03	0.38	0.26	0.07	0.13	0.15	0.18	0.07	0.31	0.81
HWQ16 - Bayou Grand Liard	0.92	1.18	1.11	0.75	0.67	0.44	0.35	0.17	0.39	0.22	0.33	0.77
CRMS 3985	1.16	1.21	1.11	0.52	0.30	0.14	0.20	0.30	0.34	0.24	0.64	1.07
CRMS 0258	1.33	1.34	1.32	0.79	0.30	0.01	0.01	0.00	0.19	0.01	0.63	1.19
CRMS 0224	1.26	1.32	1.32	0.81	0.40	0.02	0.02	0.01	0.17	0.03	0.48	1.12
CRMS 0163	1.31	1.25	1.20	1.25	1.26	1.21	1.15	0.93	1.36	1.00	1.35	1.34
CRMS 0162	1.26	1.21	1.18	1.15	1.17	1.36	1.50	1.15	0.62	0.39	0.95	1.21

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.04	0.78	1.09	1.17	1.28	1.25	1.27	1.25	1.27	1.09	0.79
CRMS0276 - Just east of Wilkinson Canal	0.08	0.00	0.02	-0.11	-0.20	-0.06	-0.01	-0.01	-0.05	-0.04	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.01	0.01	0.01	-0.07	0.00	0.00	-0.06	-0.04	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	-0.03	0.76	0.99	1.14	0.30	0.02	0.00	0.03	0.08	0.54	0.61
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.14	0.66	0.74	0.50	0.03	0.00	0.00	0.04	0.01	0.19	0.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.27	0.15	0.64	0.56	0.49	0.03	0.02	0.01	0.02	0.00	0.20	0.37
USGS 07380335 - Little Lake Near Cutoff	0.21	0.13	0.46	0.27	0.26	0.06	0.03	0.05	0.02	0.01	0.17	0.21
USGS073802516 Barataria Pass at Grand Isle	0.23	0.16	0.52	0.19	0.21	0.02	0.00	0.01	0.05	0.00	0.12	0.19
HWQ14 - Lake Washington	0.23	0.17	0.60	0.29	0.24	0.04	0.04	0.05	0.07	0.04	0.14	0.34
HWQ16 - Bayou Grand Liard	0.08	0.06	0.06	-0.07	-0.08	-0.02	0.01	0.05	0.01	0.01	0.06	0.06
CRMS 3985	0.08	0.09	0.42	0.39	0.26	0.07	0.00	-0.06	0.01	0.02	0.07	0.12
CRMS 0258	0.22	0.03	0.44	0.19	0.09	0.00	0.00	0.00	0.00	0.00	0.10	0.19
CRMS 0224	0.27	0.08	0.58	0.35	0.22	0.00	0.00	0.00	0.00	0.00	0.18	0.29
CRMS 0163	0.00	0.00	0.00	0.01	0.01	-0.06	0.02	0.01	-0.02	-0.04	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00	-0.04	0.00	0.00

Figure WQ NO3 162 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.96	1.07	0.35	0.09	0.00	0.00	0.01	0.00	0.02	0.00	0.29	0.47
CRMS0276 - Just east of Wilkinson Canal	0.96	1.28	1.20	1.23	1.14	0.69	0.14	0.12	0.38	0.54	0.99	1.13
Barataria Waterway at Lafitte (USACE82875)	1.25	1.38	1.43	1.45	1.46	1.40	0.59	0.39	0.80	1.28	1.33	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.96	1.11	0.29	0.23	0.02	0.00	0.00	0.00	0.02	0.01	0.31	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.05	0.69	0.08	0.01	0.02	0.12	0.08	0.09	0.07	0.43	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.06	0.55	0.25	0.03	0.04	0.05	0.05	0.07	0.04	0.32	0.65
USGS 07380335 - Little Lake Near Cutoff	0.81	1.08	0.68	0.45	0.17	0.12	0.13	0.03	0.12	0.09	0.42	0.77
USGS073802516 Barataria Pass at Grand Isle	0.82	1.02	0.53	0.26	0.06	0.05	0.03	0.05	0.07	0.03	0.30	0.65
HWQ14 - Lake Washington	0.90	0.99	0.48	0.06	0.01	0.02	0.08	0.06	0.09	0.02	0.23	0.54
HWQ16 - Bayou Grand Liard	0.73	1.02	0.85	0.78	0.65	0.44	0.19	0.05	0.11	0.08	0.48	0.73
CRMS 3985	1.06	1.08	0.94	0.12	0.03	0.09	0.38	0.37	0.26	0.29	0.66	0.98
CRMS 0258	0.99	1.24	0.65	0.69	0.22	0.04	0.00	0.01	0.11	0.02	0.68	0.88
CRMS 0224	0.90	1.16	0.59	0.54	0.18	0.04	0.01	0.02	0.09	0.11	0.50	0.78
CRMS 0163	1.31	1.32	1.38	1.37	1.42	1.43	0.64	0.69	0.78	1.32	1.37	1.36
CRMS 0162	1.22	1.22	1.16	1.05	1.06	1.13	1.09	0.62	0.23	0.73	1.07	1.25

V3PR2 HYST - cy 4 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.30	1.26	1.31	1.25	1.29	1.32	1.34	1.34	1.30	1.23	1.26	1.27
CRMS0276 - Just east of Wilkinson Canal	0.97	1.27	1.19	1.22	1.03	0.66	0.14	0.14	0.39	0.53	0.99	1.16
Barataria Waterway at Lafitte (USACE82875)	1.27	1.38	1.46	1.45	1.46	1.40	0.63	0.37	0.76	1.27	1.35	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.08	1.22	1.16	0.74	0.81	0.01	0.02	0.01	0.04	0.09	0.72	1.01
USGS7380251 Barataria Bay North of Grand Isle	0.68	1.07	0.88	0.49	0.23	0.03	0.09	0.09	0.11	0.08	0.46	0.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.80	1.14	0.77	0.50	0.22	0.04	0.06	0.06	0.09	0.04	0.42	0.71
USGS 07380335 - Little Lake Near Cutoff	0.79	1.12	0.73	0.57	0.28	0.13	0.15	0.08	0.18	0.14	0.50	0.81
USGS073802516 Barataria Pass at Grand Isle	0.75	1.05	0.60	0.37	0.08	0.03	0.03	0.05	0.09	0.03	0.35	0.62
HWQ14 - Lake Washington	0.65	0.97	0.53	0.25	0.07	0.03	0.10	0.13	0.14	0.05	0.29	0.44
HWQ16 - Bayou Grand Liard	0.72	1.02	0.86	0.78	0.56	0.44	0.20	0.06	0.17	0.14	0.52	0.75
CRMS 3985	0.61	0.99	0.81	0.40	0.11	0.08	0.23	0.37	0.27	0.28	0.42	0.29
CRMS 0258	1.05	1.28	0.75	0.71	0.19	0.02	0.01	0.01	0.11	0.01	0.72	1.03
CRMS 0224	0.90	1.23	0.75	0.63	0.22	0.03	0.01	0.01	0.08	0.05	0.55	0.91
CRMS 0163	1.32	1.32	1.40	1.38	1.42	1.44	0.72	0.69	0.77	1.31	1.39	1.38
CRMS 0162	1.22	1.22	1.17	1.09	1.07	1.17	1.12	0.64	0.22	0.71	1.08	1.27

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.34	0.19	0.96	1.16	1.29	1.32	1.33	1.33	1.28	1.23	0.97	0.80
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.01	-0.01	0.00	-0.11	-0.03	0.00	0.02	0.00	0.00	0.01	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.02	0.00	0.00	0.00	0.04	-0.01	-0.04	-0.01	0.02	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.11	0.87	0.52	0.79	0.01	0.01	0.00	0.02	0.08	0.41	0.49
USGS7380251 Barataria Bay North of Grand Isle	-0.31	0.03	0.19	0.41	0.22	0.01	-0.04	0.01	0.02	0.01	0.03	-0.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.06	0.08	0.23	0.26	0.19	0.01	0.01	0.01	0.02	0.00	0.10	0.06
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.04	0.06	0.12	0.11	0.01	0.02	0.05	0.05	0.05	0.08	0.04
USGS073802516 Barataria Pass at Grand Isle	-0.07	0.03	0.08	0.12	0.03	-0.02	0.00	0.00	0.03	0.00	0.05	-0.03
HWQ14 - Lake Washington	-0.24	-0.02	0.05	0.19	0.06	0.01	0.01	0.07	0.05	0.03	0.06	-0.10
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	-0.08	0.00	0.01	0.00	0.06	0.06	0.04	0.01
CRMS 3985	-0.45	-0.09	-0.13	0.28	0.08	-0.01	-0.15	-0.01	0.01	0.00	-0.23	-0.69
CRMS 0258	0.06	0.04	0.10	0.02	-0.04	-0.02	0.00	-0.01	-0.01	0.00	0.04	0.15
CRMS 0224	0.00	0.07	0.16	0.09	0.04	-0.01	0.00	-0.01	-0.01	-0.05	0.05	0.13
CRMS 0163	0.01	0.00	0.02	0.00	0.00	0.01	0.08	0.00	-0.01	-0.01	0.02	0.03
CRMS 0162	0.00	0.00	0.01	0.03	0.01	0.04	0.03	0.02	-0.01	-0.03	0.01	0.02

Figure WQ NO3 163 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.15	0.34	0.07	0.00	0.00	0.01	0.00	0.04	0.00	0.22	0.45
CRMS0276 - Just east of Wilkinson Canal	1.07	1.34	1.31	1.26	1.14	0.93	0.52	0.44	0.96	0.66	0.84	1.04
Barataria Waterway at Lafitte (USACE82875)	1.29	1.29	1.39	1.37	1.40	1.38	1.38	1.25	1.46	1.26	1.22	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.21	0.32	0.16	0.01	0.00	0.00	0.00	0.04	0.00	0.23	0.52
USGS7380251 Barataria Bay North of Grand Isle	1.01	1.11	0.51	0.08	0.01	0.03	0.13	0.10	0.16	0.08	0.36	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.16	0.55	0.23	0.04	0.06	0.09	0.10	0.14	0.06	0.30	0.59
USGS 07380335 - Little Lake Near Cutoff	0.89	1.19	0.70	0.42	0.18	0.21	0.24	0.30	0.37	0.22	0.40	0.68
USGS073802516 Barataria Pass at Grand Isle	0.87	1.13	0.55	0.22	0.04	0.06	0.09	0.17	0.16	0.04	0.26	0.54
HWQ14 - Lake Washington	0.91	1.07	0.41	0.07	0.01	0.04	0.13	0.13	0.15	0.04	0.20	0.45
HWQ16 - Bayou Grand Liard	0.85	1.15	0.97	0.81	0.65	0.65	0.57	0.55	0.53	0.36	0.43	0.61
CRMS 3985	1.08	1.11	0.65	0.13	0.04	0.10	0.34	0.35	0.34	0.29	0.59	0.95
CRMS 0258	1.05	1.32	0.79	0.62	0.14	0.11	0.01	0.01	0.32	0.02	0.49	0.93
CRMS 0224	0.96	1.26	0.65	0.46	0.11	0.09	0.02	0.01	0.24	0.04	0.38	0.79
CRMS 0163	1.27	1.20	1.29	1.28	1.35	1.40	1.39	1.32	1.45	1.31	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.15	1.11	1.32	1.43	1.38	1.09	0.99	0.88	1.12

V3PR2 HYST - cy 4 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.16	1.22	1.21	1.23	1.27	1.31	1.28	1.26	1.23	1.33	1.29
CRMS0276 - Just east of Wilkinson Canal	1.13	1.36	1.31	1.13	1.03	0.82	0.41	0.42	0.97	0.69	0.85	1.05
Barataria Waterway at Lafitte (USACE82875)	1.29	1.30	1.40	1.38	1.37	1.36	1.35	1.19	1.48	1.27	1.21	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.15	1.13	1.18	1.18	1.18	1.21	1.20	0.42	0.06	0.09	0.80	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.23	1.20	0.77	0.56	0.21	0.27	0.12	0.17	0.10	0.50	0.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.29	1.23	0.72	0.52	0.22	0.28	0.19	0.20	0.08	0.44	0.80
USGS 07380335 - Little Lake Near Cutoff	1.09	1.31	1.16	0.62	0.49	0.31	0.42	0.43	0.45	0.26	0.48	0.80
USGS073802516 Barataria Pass at Grand Isle	1.08	1.28	0.97	0.43	0.22	0.12	0.18	0.22	0.25	0.06	0.34	0.67
HWQ14 - Lake Washington	1.10	1.23	0.93	0.37	0.22	0.13	0.26	0.25	0.20	0.10	0.33	0.70
HWQ16 - Bayou Grand Liard	0.90	1.22	0.99	0.73	0.59	0.57	0.52	0.51	0.55	0.39	0.46	0.67
CRMS 3985	1.14	1.21	1.05	0.51	0.25	0.17	0.23	0.21	0.24	0.26	0.59	1.03
CRMS 0258	1.25	1.34	1.27	0.72	0.16	0.07	0.13	0.00	0.34	0.03	0.64	0.94
CRMS 0224	1.21	1.32	1.26	0.69	0.33	0.18	0.30	0.08	0.29	0.06	0.53	0.89
CRMS 0163	1.27	1.21	1.29	1.27	1.35	1.40	1.38	1.28	1.47	1.32	1.33	1.37
CRMS 0162	1.24	1.20	1.22	1.15	1.12	1.34	1.46	1.40	1.11	0.96	0.87	1.10

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.22	0.00	0.88	1.14	1.23	1.27	1.31	1.28	1.22	1.23	1.11	0.84
CRMS0276 - Just east of Wilkinson Canal	0.06	0.01	0.00	-0.13	-0.11	-0.11	-0.11	-0.02	0.01	0.03	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.01	0.01	-0.03	-0.03	-0.03	-0.06	0.02	0.01	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	-0.07	0.86	1.01	1.18	1.21	1.19	0.41	0.01	0.09	0.57	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.12	0.69	0.68	0.54	0.17	0.14	0.02	0.01	0.01	0.14	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.13	0.68	0.49	0.49	0.16	0.19	0.08	0.07	0.02	0.14	0.21
USGS 07380335 - Little Lake Near Cutoff	0.19	0.12	0.46	0.20	0.31	0.09	0.17	0.13	0.09	0.04	0.08	0.12
USGS073802516 Barataria Pass at Grand Isle	0.21	0.16	0.42	0.21	0.18	0.06	0.10	0.05	0.09	0.01	0.09	0.13
HWQ14 - Lake Washington	0.20	0.16	0.51	0.30	0.21	0.10	0.13	0.12	0.06	0.06	0.13	0.25
HWQ16 - Bayou Grand Liard	0.05	0.08	0.02	-0.08	-0.06	-0.08	-0.05	-0.03	0.02	0.03	0.03	0.06
CRMS 3985	0.06	0.09	0.39	0.38	0.22	0.07	-0.12	-0.14	-0.10	-0.03	0.00	0.08
CRMS 0258	0.20	0.02	0.49	0.11	0.02	-0.04	0.12	0.00	0.02	0.01	0.15	0.01
CRMS 0224	0.25	0.06	0.61	0.22	0.22	0.09	0.28	0.07	0.05	0.03	0.15	0.11
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.04	0.02	0.01	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.03	0.02	-0.03	-0.01	-0.02

Figure WQ NO3 164 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.03	0.49	0.21	0.01	0.00	0.00	0.00	0.03	0.00	0.20	0.46
CRMS0276 - Just east of Wilkinson Canal	1.17	1.25	1.30	1.33	1.27	0.66	0.35	0.36	0.85	0.57	0.75	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.45	1.35	1.36	1.23	1.24	1.24	0.95	1.41	1.10	1.14	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.12	0.54	0.34	0.06	0.00	0.00	0.00	0.02	0.00	0.22	0.54
USGS7380251 Barataria Bay North of Grand Isle	0.99	0.95	0.66	0.17	0.01	0.02	0.06	0.06	0.12	0.07	0.31	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.07	0.62	0.36	0.08	0.06	0.08	0.10	0.12	0.05	0.20	0.63
USGS 07380335 - Little Lake Near Cutoff	0.99	1.09	0.82	0.59	0.35	0.20	0.21	0.29	0.32	0.19	0.24	0.78
USGS073802516 Barataria Pass at Grand Isle	0.95	1.04	0.53	0.37	0.15	0.06	0.06	0.16	0.13	0.04	0.17	0.62
HWQ14 - Lake Washington	0.93	0.97	0.39	0.13	0.01	0.03	0.08	0.07	0.12	0.03	0.16	0.44
HWQ16 - Bayou Grand Liard	0.92	0.99	0.90	0.93	0.87	0.63	0.57	0.44	0.49	0.31	0.28	0.79
CRMS 3985	1.00	0.93	0.88	0.19	0.04	0.06	0.13	0.22	0.30	0.25	0.52	0.92
CRMS 0258	1.16	1.25	1.03	0.74	0.35	0.08	0.01	0.00	0.24	0.01	0.50	1.04
CRMS 0224	1.06	1.18	0.84	0.64	0.31	0.06	0.01	0.01	0.19	0.03	0.33	0.85
CRMS 0163	1.36	1.40	1.26	1.27	1.12	1.28	1.36	1.05	1.42	1.24	1.33	1.26
CRMS 0162	1.26	1.13	1.18	1.16	1.08	1.26	1.45	1.38	1.00	0.75	0.91	1.23

V3PR2 HYST - cy 4 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.20	1.19	1.04	1.17	1.31	1.25	1.26	1.27	1.31	1.20
CRMS0276 - Just east of Wilkinson Canal	1.24	1.24	1.29	1.33	1.20	0.57	0.30	0.34	0.83	0.57	0.75	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.43	1.36	1.37	1.25	1.19	1.13	0.99	1.39	1.10	1.14	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.24	1.31	1.16	1.17	1.05	1.16	1.16	0.00	0.05	0.10	0.80	1.17
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.22	1.19	0.91	0.68	0.12	0.21	0.08	0.17	0.08	0.48	1.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.25	1.22	0.99	0.76	0.18	0.20	0.14	0.17	0.07	0.38	1.20
USGS 07380335 - Little Lake Near Cutoff	1.18	1.21	1.19	0.95	0.73	0.23	0.35	0.37	0.39	0.23	0.38	1.13
USGS073802516 Barataria Pass at Grand Isle	1.17	1.18	1.04	0.60	0.42	0.09	0.13	0.13	0.21	0.04	0.28	1.01
HWQ14 - Lake Washington	1.19	1.19	1.00	0.48	0.34	0.10	0.23	0.19	0.20	0.08	0.29	0.97
HWQ16 - Bayou Grand Liard	0.98	1.04	0.98	0.95	0.84	0.52	0.49	0.49	0.50	0.33	0.33	0.88
CRMS 3985	1.16	1.19	1.16	0.63	0.37	0.15	0.21	0.20	0.29	0.23	0.55	1.09
CRMS 0258	1.41	1.34	1.27	0.98	0.50	0.07	0.08	0.00	0.26	0.02	0.63	1.27
CRMS 0224	1.31	1.30	1.26	1.02	0.67	0.13	0.17	0.02	0.22	0.04	0.49	1.23
CRMS 0163	1.35	1.39	1.26	1.28	1.13	1.29	1.30	1.11	1.42	1.24	1.33	1.27
CRMS 0162	1.25	1.14	1.18	1.17	1.08	1.27	1.46	1.40	0.99	0.74	0.91	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.31	0.70	0.99	1.03	1.17	1.30	1.24	1.23	1.27	1.11	0.74
CRMS0276 - Just east of Wilkinson Canal	0.08	-0.01	-0.01	0.00	-0.07	-0.09	-0.06	-0.02	-0.02	0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	0.01	0.01	0.01	-0.05	-0.11	0.04	-0.01	0.01	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.19	0.62	0.83	0.99	1.16	1.15	0.00	0.02	0.09	0.58	0.62
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.27	0.53	0.74	0.67	0.10	0.15	0.02	0.04	0.01	0.17	0.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.18	0.60	0.62	0.67	0.13	0.13	0.03	0.06	0.02	0.18	0.57
USGS 07380335 - Little Lake Near Cutoff	0.19	0.12	0.37	0.36	0.38	0.04	0.14	0.08	0.07	0.04	0.14	0.35
USGS073802516 Barataria Pass at Grand Isle	0.22	0.14	0.51	0.23	0.27	0.03	0.07	-0.03	0.08	0.01	0.11	0.40
HWQ14 - Lake Washington	0.25	0.23	0.60	0.35	0.33	0.07	0.15	0.12	0.08	0.05	0.13	0.52
HWQ16 - Bayou Grand Liard	0.06	0.05	0.09	0.02	-0.03	-0.11	-0.08	0.05	0.02	0.02	0.05	0.09
CRMS 3985	0.17	0.26	0.28	0.45	0.34	0.09	0.08	-0.01	-0.01	-0.02	0.03	0.16
CRMS 0258	0.25	0.08	0.23	0.24	0.15	0.00	0.07	0.00	0.02	0.00	0.13	0.23
CRMS 0224	0.25	0.13	0.43	0.39	0.36	0.07	0.16	0.01	0.03	0.01	0.16	0.38
CRMS 0163	-0.01	-0.01	0.00	0.01	0.00	0.00	-0.06	0.06	0.00	0.00	-0.01	0.00
CRMS 0162	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.02	-0.01	-0.01	0.00	0.00

Figure WQ NO3 165 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.12	0.46	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.20	0.45
CRMS0276 - Just east of Wilkinson Canal	1.00	1.29	1.34	1.28	0.93	0.82	0.58	0.40	0.93	0.85	0.78	0.96
Barataria Waterway at Lafitte (USACE82875)	1.27	1.37	1.32	1.22	1.31	1.34	1.32	1.00	1.47	1.27	1.09	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.99	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.51
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.10	0.67	0.14	0.02	0.03	0.06	0.07	0.13	0.08	0.32	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	1.09	0.69	0.36	0.04	0.05	0.10	0.11	0.13	0.07	0.28	0.54
USGS 07380335 - Little Lake Near Cutoff	0.82	1.10	0.89	0.60	0.18	0.18	0.30	0.31	0.36	0.28	0.39	0.61
USGS073802516 Barataria Pass at Grand Isle	0.80	1.05	0.65	0.37	0.07	0.04	0.10	0.17	0.15	0.06	0.23	0.48
HWQ14 - Lake Washington	0.88	1.03	0.50	0.13	0.01	0.03	0.09	0.08	0.13	0.05	0.17	0.43
HWQ16 - Bayou Grand Liard	0.73	1.04	1.04	0.94	0.65	0.59	0.68	0.51	0.54	0.47	0.42	0.53
CRMS 3985	1.08	1.13	0.86	0.16	0.04	0.07	0.14	0.21	0.30	0.26	0.50	0.91
CRMS 0258	1.03	1.26	0.97	0.72	0.13	0.02	0.01	0.00	0.32	0.07	0.48	0.88
CRMS 0224	0.91	1.18	0.80	0.61	0.10	0.03	0.02	0.01	0.26	0.07	0.35	0.74
CRMS 0163	1.29	1.31	1.23	1.13	1.23	1.37	1.36	1.16	1.43	1.33	1.31	1.40
CRMS 0162	1.26	1.23	1.19	1.09	1.16	1.32	1.42	1.38	1.16	1.14	0.84	1.03

V3PR3 HYST - cy 4 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.24	1.18	1.07	1.15	1.24	1.28	1.34	1.31	1.32	1.38	1.34
CRMS0276 - Just east of Wilkinson Canal	1.08	1.29	1.35	1.29	0.75	0.68	0.42	0.36	0.95	0.84	0.81	0.98
Barataria Waterway at Lafitte (USACE82875)	1.28	1.38	1.34	1.23	1.31	1.29	1.26	0.91	1.49	1.27	1.08	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.22	1.16	1.06	1.15	1.23	1.23	0.41	0.15	0.37	0.82	1.08
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.22	1.22	0.88	0.46	0.21	0.32	0.11	0.25	0.17	0.48	0.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.25	1.27	0.92	0.40	0.18	0.24	0.15	0.21	0.23	0.48	0.81
USGS 07380335 - Little Lake Near Cutoff	1.00	1.23	1.28	0.90	0.35	0.25	0.39	0.39	0.44	0.44	0.51	0.78
USGS073802516 Barataria Pass at Grand Isle	1.00	1.19	1.15	0.55	0.20	0.08	0.18	0.15	0.24	0.19	0.39	0.66
HWQ14 - Lake Washington	1.07	1.18	1.07	0.43	0.19	0.11	0.27	0.23	0.22	0.16	0.36	0.72
HWQ16 - Bayou Grand Liard	0.81	1.10	1.12	0.93	0.56	0.49	0.58	0.51	0.56	0.48	0.45	0.61
CRMS 3985	1.13	1.18	1.16	0.58	0.24	0.16	0.24	0.22	0.25	0.21	0.51	1.02
CRMS 0258	1.23	1.33	1.34	0.91	0.17	0.07	0.10	0.01	0.33	0.09	0.66	0.97
CRMS 0224	1.15	1.30	1.33	0.96	0.25	0.14	0.19	0.05	0.28	0.20	0.57	0.91
CRMS 0163	1.29	1.31	1.23	1.13	1.23	1.37	1.31	1.09	1.45	1.34	1.30	1.39
CRMS 0162	1.26	1.23	1.19	1.10	1.16	1.33	1.42	1.39	1.16	1.12	0.82	1.02

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.27	0.12	0.72	0.91	1.15	1.24	1.27	1.33	1.29	1.32	1.18	0.89
CRMS0276 - Just east of Wilkinson Canal	0.07	0.00	0.01	0.01	-0.17	-0.15	-0.16	-0.04	0.02	0.00	0.02	0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.01	0.01	0.00	-0.05	-0.07	-0.09	0.02	0.00	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.07	0.72	0.78	1.14	1.23	1.22	0.40	0.12	0.37	0.60	0.57
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.12	0.55	0.74	0.44	0.19	0.26	0.04	0.12	0.09	0.16	0.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.24	0.16	0.59	0.56	0.35	0.13	0.14	0.04	0.08	0.15	0.20	0.26
USGS 07380335 - Little Lake Near Cutoff	0.18	0.13	0.39	0.29	0.17	0.07	0.09	0.08	0.08	0.16	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.20	0.15	0.50	0.18	0.13	0.04	0.08	-0.02	0.10	0.13	0.16	0.18
HWQ14 - Lake Washington	0.19	0.15	0.57	0.30	0.18	0.08	0.19	0.14	0.09	0.11	0.19	0.29
HWQ16 - Bayou Grand Liard	0.08	0.06	0.08	-0.01	-0.09	-0.10	-0.10	0.00	0.02	0.01	0.03	0.08
CRMS 3985	0.05	0.05	0.30	0.41	0.20	0.10	0.10	0.01	-0.05	-0.06	0.01	0.11
CRMS 0258	0.20	0.07	0.37	0.19	0.04	0.05	0.09	0.00	0.01	0.02	0.19	0.09
CRMS 0224	0.23	0.12	0.53	0.35	0.15	0.11	0.16	0.04	0.03	0.13	0.22	0.16
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.04	-0.07	0.02	0.00	-0.01	-0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	-0.02	-0.02	0.00

Figure WQ NO3 166 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.14	0.37	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.46
CRMS0276 - Just east of Wilkinson Canal	1.10	1.34	1.35	1.24	1.15	0.52	0.20	0.29	0.68	0.50	0.80	1.17
Barataria Waterway at Lafitte (USACE82875)	1.31	1.33	1.30	1.34	1.35	1.00	1.01	0.79	1.36	0.92	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	1.19	0.37	0.17	0.02	0.00	0.00	0.00	0.02	0.00	0.22	0.53
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.10	0.54	0.10	0.01	0.03	0.08	0.09	0.13	0.06	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.93	1.14	0.62	0.25	0.05	0.05	0.06	0.08	0.12	0.05	0.16	0.63
USGS 07380335 - Little Lake Near Cutoff	0.92	1.17	0.82	0.44	0.22	0.13	0.16	0.17	0.29	0.16	0.19	0.74
USGS073802516 Barataria Pass at Grand Isle	0.89	1.10	0.61	0.25	0.07	0.03	0.04	0.09	0.12	0.04	0.16	0.61
HWQ14 - Lake Washington	0.91	1.06	0.43	0.09	0.01	0.03	0.08	0.09	0.12	0.03	0.17	0.48
HWQ16 - Bayou Grand Liard	0.84	1.12	1.06	0.82	0.75	0.46	0.34	0.13	0.38	0.20	0.28	0.72
CRMS 3985	1.09	1.12	0.69	0.14	0.04	0.07	0.20	0.36	0.32	0.22	0.57	0.94
CRMS 0258	1.10	1.31	0.88	0.60	0.21	0.00	0.01	0.00	0.19	0.01	0.53	1.00
CRMS 0224	1.00	1.24	0.74	0.47	0.18	0.02	0.01	0.02	0.18	0.03	0.30	0.82
CRMS 0163	1.31	1.24	1.20	1.24	1.26	1.27	1.14	0.92	1.38	1.04	1.36	1.34
CRMS 0162	1.26	1.21	1.18	1.17	1.17	1.36	1.51	1.15	0.62	0.43	0.95	1.22

V3PR3 HYST - cy 4 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.18	1.15	1.17	1.17	1.33	1.34	1.36	1.34	1.36	1.33	1.26
CRMS0276 - Just east of Wilkinson Canal	1.17	1.34	1.36	1.12	0.95	0.45	0.17	0.27	0.64	0.49	0.83	1.17
Barataria Waterway at Lafitte (USACE82875)	1.32	1.34	1.31	1.35	1.36	0.93	0.98	0.78	1.32	0.91	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.16	1.14	1.16	1.17	0.33	0.02	0.01	0.06	0.07	0.75	1.15
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.24	1.20	0.87	0.56	0.06	0.09	0.10	0.16	0.07	0.43	0.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.29	1.26	0.80	0.51	0.07	0.08	0.09	0.15	0.05	0.37	0.96
USGS 07380335 - Little Lake Near Cutoff	1.11	1.29	1.27	0.69	0.46	0.18	0.19	0.22	0.31	0.18	0.39	0.92
USGS073802516 Barataria Pass at Grand Isle	1.10	1.26	1.11	0.45	0.28	0.05	0.04	0.10	0.16	0.03	0.29	0.75
HWQ14 - Lake Washington	1.13	1.22	1.04	0.38	0.26	0.07	0.13	0.16	0.19	0.07	0.28	0.74
HWQ16 - Bayou Grand Liard	0.91	1.18	1.11	0.75	0.66	0.43	0.34	0.18	0.40	0.25	0.38	0.77
CRMS 3985	1.15	1.21	1.11	0.54	0.31	0.15	0.21	0.32	0.34	0.23	0.43	1.01
CRMS 0258	1.32	1.33	1.32	0.78	0.29	0.01	0.01	0.00	0.18	0.01	0.66	1.19
CRMS 0224	1.25	1.32	1.31	0.80	0.38	0.02	0.01	0.02	0.17	0.03	0.49	1.10
CRMS 0163	1.31	1.24	1.20	1.25	1.26	1.22	1.13	0.93	1.36	1.04	1.36	1.34
CRMS 0162	1.26	1.21	1.18	1.17	1.16	1.35	1.50	1.12	0.59	0.40	0.95	1.21

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.04	0.78	1.09	1.17	1.33	1.34	1.35	1.31	1.35	1.12	0.80
CRMS0276 - Just east of Wilkinson Canal	0.07	0.00	0.01	-0.12	-0.21	-0.06	-0.03	-0.02	-0.03	0.00	0.04	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.01	0.01	0.01	-0.07	-0.03	0.00	-0.04	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	-0.03	0.77	0.99	1.15	0.33	0.01	0.00	0.04	0.06	0.53	0.62
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.14	0.66	0.77	0.54	0.03	0.01	0.00	0.04	0.01	0.09	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.25	0.14	0.64	0.55	0.46	0.03	0.02	0.01	0.02	0.00	0.21	0.33
USGS 07380335 - Little Lake Near Cutoff	0.19	0.13	0.45	0.25	0.24	0.05	0.03	0.05	0.03	0.02	0.20	0.18
USGS073802516 Barataria Pass at Grand Isle	0.21	0.15	0.50	0.19	0.21	0.02	0.00	0.00	0.04	0.00	0.13	0.14
HWQ14 - Lake Washington	0.21	0.16	0.60	0.29	0.25	0.04	0.05	0.07	0.07	0.04	0.11	0.27
HWQ16 - Bayou Grand Liard	0.07	0.06	0.05	-0.07	-0.09	-0.02	0.00	0.05	0.02	0.04	0.10	0.05
CRMS 3985	0.07	0.09	0.42	0.40	0.28	0.08	0.00	-0.04	0.02	0.01	-0.14	0.07
CRMS 0258	0.21	0.03	0.44	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.13	0.19
CRMS 0224	0.25	0.08	0.58	0.34	0.20	0.00	0.00	0.00	-0.01	0.00	0.19	0.28
CRMS 0163	0.00	0.00	0.00	0.00	0.01	-0.05	0.00	0.00	-0.02	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.02	-0.03	-0.04	0.00	0.00

Figure WQ NO3 167 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.96	1.07	0.35	0.09	0.00	0.00	0.01	0.00	0.02	0.00	0.29	0.47
CRMS0276 - Just east of Wilkinson Canal	0.96	1.28	1.20	1.23	1.14	0.69	0.14	0.12	0.38	0.54	0.99	1.13
Barataria Waterway at Lafitte (USACE82875)	1.25	1.38	1.43	1.45	1.46	1.40	0.59	0.39	0.80	1.28	1.33	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.96	1.11	0.29	0.23	0.02	0.00	0.00	0.00	0.02	0.01	0.31	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.05	0.69	0.08	0.01	0.02	0.12	0.08	0.09	0.07	0.43	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.06	0.55	0.25	0.03	0.04	0.05	0.05	0.07	0.04	0.32	0.65
USGS 07380335 - Little Lake Near Cutoff	0.81	1.08	0.68	0.45	0.17	0.12	0.13	0.03	0.12	0.09	0.42	0.77
USGS073802516 Barataria Pass at Grand Isle	0.82	1.02	0.53	0.26	0.06	0.05	0.03	0.05	0.07	0.03	0.30	0.65
HWQ14 - Lake Washington	0.90	0.99	0.48	0.06	0.01	0.02	0.08	0.06	0.09	0.02	0.23	0.54
HWQ16 - Bayou Grand Liard	0.73	1.02	0.85	0.78	0.65	0.44	0.19	0.05	0.11	0.08	0.48	0.73
CRMS 3985	1.06	1.08	0.94	0.12	0.03	0.09	0.38	0.37	0.26	0.29	0.66	0.98
CRMS 0258	0.99	1.24	0.65	0.69	0.22	0.04	0.00	0.01	0.11	0.02	0.68	0.88
CRMS 0224	0.90	1.16	0.59	0.54	0.18	0.04	0.01	0.02	0.09	0.11	0.50	0.78
CRMS 0163	1.31	1.32	1.38	1.37	1.42	1.43	0.64	0.69	0.78	1.32	1.37	1.36
CRMS 0162	1.22	1.22	1.16	1.05	1.06	1.13	1.09	0.62	0.23	0.73	1.07	1.25

V3PR3 HYST - cy 4 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.26	1.31	1.26	1.30	1.37	1.42	1.41	1.36	1.29	1.26	1.27
CRMS0276 - Just east of Wilkinson Canal	1.01	1.28	1.18	1.21	1.04	0.64	0.14	0.14	0.38	0.53	0.97	1.14
Barataria Waterway at Lafitte (USACE82875)	1.25	1.38	1.45	1.45	1.46	1.40	0.58	0.32	0.76	1.25	1.32	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.23	1.18	0.75	0.91	0.01	0.02	0.01	0.04	0.07	0.69	1.05
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.21	1.01	0.51	0.25	0.03	0.08	0.09	0.11	0.08	0.58	1.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.02	1.21	0.84	0.51	0.19	0.04	0.06	0.06	0.09	0.04	0.43	0.92
USGS 07380335 - Little Lake Near Cutoff	0.92	1.19	0.77	0.57	0.27	0.12	0.14	0.08	0.17	0.13	0.50	0.90
USGS073802516 Barataria Pass at Grand Isle	0.94	1.15	0.65	0.37	0.08	0.03	0.04	0.05	0.09	0.03	0.36	0.77
HWQ14 - Lake Washington	1.06	1.15	0.64	0.28	0.08	0.03	0.10	0.13	0.14	0.05	0.35	0.80
HWQ16 - Bayou Grand Liard	0.74	1.06	0.86	0.78	0.56	0.43	0.19	0.06	0.16	0.14	0.51	0.75
CRMS 3985	1.15	1.17	0.98	0.44	0.13	0.08	0.23	0.37	0.27	0.30	0.72	1.09
CRMS 0258	1.15	1.29	0.75	0.70	0.19	0.02	0.01	0.01	0.10	0.01	0.72	1.05
CRMS 0224	1.06	1.26	0.78	0.61	0.20	0.03	0.01	0.01	0.08	0.06	0.55	0.98
CRMS 0163	1.31	1.32	1.40	1.38	1.42	1.44	0.67	0.66	0.73	1.31	1.36	1.35
CRMS 0162	1.20	1.21	1.16	1.09	1.08	1.17	1.12	0.62	0.23	0.75	1.07	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.38	0.19	0.96	1.18	1.30	1.37	1.42	1.41	1.35	1.29	0.97	0.80
CRMS0276 - Just east of Wilkinson Canal	0.04	0.00	-0.02	-0.02	-0.09	-0.04	-0.01	0.02	0.00	-0.01	-0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.02	0.00	0.00	0.00	-0.01	-0.06	-0.04	-0.04	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.12	0.89	0.52	0.88	0.01	0.01	0.00	0.02	0.06	0.38	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.32	0.44	0.24	0.01	-0.04	0.01	0.02	0.01	0.15	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.29	0.26	0.16	0.01	0.01	0.01	0.02	0.00	0.11	0.27
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.10	0.12	0.10	0.01	0.02	0.04	0.05	0.04	0.07	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.13	0.13	0.12	0.03	-0.02	0.00	0.00	0.03	0.00	0.06	0.12
HWQ14 - Lake Washington	0.16	0.16	0.16	0.22	0.07	0.01	0.01	0.07	0.05	0.03	0.12	0.25
HWQ16 - Bayou Grand Liard	0.01	0.03	0.01	0.00	-0.08	-0.01	0.00	0.00	0.06	0.05	0.03	0.02
CRMS 3985	0.09	0.09	0.04	0.32	0.10	-0.01	-0.15	-0.01	0.01	0.01	0.06	0.10
CRMS 0258	0.16	0.05	0.09	0.01	-0.04	-0.02	0.00	-0.01	-0.01	0.00	0.04	0.17
CRMS 0224	0.16	0.10	0.19	0.07	0.02	-0.01	0.00	-0.01	-0.01	-0.05	0.05	0.20
CRMS 0163	-0.01	0.00	0.02	0.00	0.00	0.01	0.03	-0.03	-0.05	-0.01	0.00	0.00
CRMS 0162	-0.02	-0.01	0.00	0.04	0.02	0.04	0.03	0.00	0.00	0.01	0.00	-0.01

Figure WQ NO3 168 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.15	0.34	0.07	0.00	0.00	0.01	0.00	0.04	0.00	0.22	0.45
CRMS0276 - Just east of Wilkinson Canal	1.07	1.34	1.31	1.26	1.14	0.93	0.52	0.44	0.96	0.66	0.84	1.04
Barataria Waterway at Lafitte (USACE82875)	1.29	1.29	1.39	1.37	1.40	1.38	1.38	1.25	1.46	1.26	1.22	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.21	0.32	0.16	0.01	0.00	0.00	0.00	0.04	0.00	0.23	0.52
USGS7380251 Barataria Bay North of Grand Isle	1.01	1.11	0.51	0.08	0.01	0.03	0.13	0.10	0.16	0.08	0.36	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.16	0.55	0.23	0.04	0.06	0.09	0.10	0.14	0.06	0.30	0.59
USGS 07380335 - Little Lake Near Cutoff	0.89	1.19	0.70	0.42	0.18	0.21	0.24	0.30	0.37	0.22	0.40	0.68
USGS073802516 Barataria Pass at Grand Isle	0.87	1.13	0.55	0.22	0.04	0.06	0.09	0.17	0.16	0.04	0.26	0.54
HWQ14 - Lake Washington	0.91	1.07	0.41	0.07	0.01	0.04	0.13	0.13	0.15	0.04	0.20	0.45
HWQ16 - Bayou Grand Liard	0.85	1.15	0.97	0.81	0.65	0.65	0.57	0.55	0.53	0.36	0.43	0.61
CRMS 3985	1.08	1.11	0.65	0.13	0.04	0.10	0.34	0.35	0.34	0.29	0.59	0.95
CRMS 0258	1.05	1.32	0.79	0.62	0.14	0.11	0.01	0.01	0.32	0.02	0.49	0.93
CRMS 0224	0.96	1.26	0.65	0.46	0.11	0.09	0.02	0.01	0.24	0.04	0.38	0.79
CRMS 0163	1.27	1.20	1.29	1.28	1.35	1.40	1.39	1.32	1.45	1.31	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.15	1.11	1.32	1.43	1.38	1.09	0.99	0.88	1.12

V3PR3 HYST - cy 4 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.16	1.22	1.21	1.23	1.27	1.32	1.32	1.32	1.32	1.36	1.30
CRMS0276 - Just east of Wilkinson Canal	1.13	1.35	1.30	1.13	1.03	0.81	0.40	0.41	0.98	0.71	0.86	1.05
Barataria Waterway at Lafitte (USACE82875)	1.29	1.30	1.40	1.38	1.37	1.36	1.34	1.15	1.48	1.31	1.24	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.14	1.19	1.19	1.21	1.24	1.25	0.58	0.06	0.07	0.80	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.23	1.21	0.80	0.59	0.24	0.33	0.13	0.17	0.08	0.39	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.29	1.22	0.70	0.49	0.19	0.23	0.17	0.21	0.08	0.43	0.77
USGS 07380335 - Little Lake Near Cutoff	1.07	1.31	1.14	0.61	0.46	0.29	0.38	0.42	0.46	0.27	0.48	0.78
USGS073802516 Barataria Pass at Grand Isle	1.06	1.28	0.95	0.43	0.21	0.12	0.18	0.20	0.25	0.07	0.33	0.64
HWQ14 - Lake Washington	1.08	1.23	0.93	0.37	0.22	0.14	0.27	0.25	0.21	0.08	0.27	0.64
HWQ16 - Bayou Grand Liard	0.90	1.22	0.99	0.73	0.58	0.57	0.51	0.50	0.56	0.39	0.46	0.67
CRMS 3985	1.14	1.22	1.07	0.52	0.27	0.18	0.24	0.22	0.25	0.21	0.39	0.97
CRMS 0258	1.25	1.34	1.25	0.71	0.16	0.06	0.11	0.00	0.34	0.03	0.66	0.97
CRMS 0224	1.20	1.32	1.24	0.66	0.31	0.13	0.19	0.07	0.29	0.07	0.54	0.89
CRMS 0163	1.27	1.21	1.29	1.28	1.35	1.40	1.38	1.26	1.47	1.34	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.16	1.11	1.34	1.46	1.40	1.10	1.04	0.88	1.10

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.22	0.00	0.88	1.14	1.23	1.27	1.31	1.32	1.28	1.31	1.15	0.85
CRMS0276 - Just east of Wilkinson Canal	0.06	0.01	-0.01	-0.13	-0.11	-0.12	-0.12	-0.03	0.02	0.06	0.02	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.01	0.01	-0.02	-0.03	-0.04	-0.09	0.02	0.04	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	-0.07	0.87	1.03	1.20	1.24	1.25	0.57	0.02	0.07	0.56	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.13	0.70	0.72	0.57	0.20	0.19	0.03	0.01	0.00	0.03	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.25	0.13	0.67	0.48	0.46	0.13	0.14	0.06	0.07	0.02	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.18	0.12	0.45	0.18	0.28	0.07	0.14	0.11	0.09	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.19	0.15	0.40	0.20	0.17	0.06	0.09	0.04	0.10	0.03	0.08	0.10
HWQ14 - Lake Washington	0.18	0.16	0.52	0.30	0.21	0.11	0.14	0.13	0.06	0.04	0.07	0.19
HWQ16 - Bayou Grand Liard	0.05	0.07	0.02	-0.09	-0.07	-0.08	-0.06	-0.04	0.04	0.03	0.03	0.05
CRMS 3985	0.06	0.10	0.42	0.39	0.23	0.07	-0.11	-0.13	-0.09	-0.07	-0.19	0.02
CRMS 0258	0.20	0.02	0.47	0.09	0.01	-0.05	0.10	0.00	0.01	0.01	0.16	0.04
CRMS 0224	0.24	0.06	0.59	0.20	0.21	0.04	0.18	0.06	0.05	0.03	0.16	0.11
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.05	0.02	0.03	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.01	0.00	0.01	0.03	0.03	0.01	0.05	0.00	-0.03

Figure WQ NO3 169 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.03	0.49	0.21	0.01	0.00	0.00	0.00	0.03	0.00	0.20	0.46
CRMS0276 - Just east of Wilkinson Canal	1.17	1.25	1.30	1.33	1.27	0.66	0.35	0.36	0.85	0.57	0.75	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.45	1.35	1.36	1.23	1.24	1.24	0.95	1.41	1.10	1.14	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.12	0.54	0.34	0.06	0.00	0.00	0.00	0.02	0.00	0.22	0.54
USGS7380251 Barataria Bay North of Grand Isle	0.99	0.95	0.66	0.17	0.01	0.02	0.06	0.06	0.12	0.07	0.31	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.07	0.62	0.36	0.08	0.06	0.08	0.10	0.12	0.05	0.20	0.63
USGS 07380335 - Little Lake Near Cutoff	0.99	1.09	0.82	0.59	0.35	0.20	0.21	0.29	0.32	0.19	0.24	0.78
USGS073802516 Barataria Pass at Grand Isle	0.95	1.04	0.53	0.37	0.15	0.06	0.06	0.16	0.13	0.04	0.17	0.62
HWQ14 - Lake Washington	0.93	0.97	0.39	0.13	0.01	0.03	0.08	0.07	0.12	0.03	0.16	0.44
HWQ16 - Bayou Grand Liard	0.92	0.99	0.90	0.93	0.87	0.63	0.57	0.44	0.49	0.31	0.28	0.79
CRMS 3985	1.00	0.93	0.88	0.19	0.04	0.06	0.13	0.22	0.30	0.25	0.52	0.92
CRMS 0258	1.16	1.25	1.03	0.74	0.35	0.08	0.01	0.00	0.24	0.01	0.50	1.04
CRMS 0224	1.06	1.18	0.84	0.64	0.31	0.06	0.01	0.01	0.19	0.03	0.33	0.85
CRMS 0163	1.36	1.40	1.26	1.27	1.12	1.28	1.36	1.05	1.42	1.24	1.33	1.26
CRMS 0162	1.26	1.13	1.18	1.16	1.08	1.26	1.45	1.38	1.00	0.75	0.91	1.23

V3PR3 HYST - cy 4 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.20	1.19	1.04	1.17	1.31	1.33	1.32	1.33	1.34	1.20
CRMS0276 - Just east of Wilkinson Canal	1.23	1.24	1.29	1.32	1.20	0.57	0.29	0.32	0.84	0.59	0.75	1.25
Barataria Waterway at Lafitte (USACE82875)	1.35	1.42	1.36	1.37	1.25	1.19	1.11	0.91	1.39	1.09	1.13	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	1.32	1.17	1.18	1.05	1.17	1.21	0.00	0.05	0.07	0.80	1.18
USGS7380251 Barataria Bay North of Grand Isle	1.24	1.22	1.19	0.94	0.72	0.15	0.24	0.08	0.17	0.09	0.50	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.23	1.24	1.22	0.97	0.74	0.16	0.18	0.13	0.17	0.07	0.39	1.20
USGS 07380335 - Little Lake Near Cutoff	1.16	1.20	1.19	0.93	0.71	0.22	0.33	0.36	0.39	0.24	0.39	1.13
USGS073802516 Barataria Pass at Grand Isle	1.16	1.17	1.03	0.59	0.41	0.09	0.13	0.12	0.21	0.05	0.29	1.02
HWQ14 - Lake Washington	1.19	1.19	1.00	0.49	0.35	0.11	0.23	0.19	0.20	0.09	0.31	0.98
HWQ16 - Bayou Grand Liard	0.94	1.04	0.98	0.93	0.83	0.51	0.48	0.45	0.50	0.35	0.34	0.88
CRMS 3985	1.17	1.19	1.16	0.65	0.39	0.15	0.22	0.21	0.29	0.25	0.58	1.11
CRMS 0258	1.41	1.32	1.26	0.97	0.51	0.07	0.07	0.00	0.25	0.02	0.63	1.27
CRMS 0224	1.30	1.29	1.26	0.99	0.66	0.11	0.12	0.02	0.21	0.05	0.49	1.24
CRMS 0163	1.34	1.39	1.26	1.28	1.13	1.29	1.28	1.04	1.42	1.23	1.33	1.27
CRMS 0162	1.24	1.13	1.18	1.17	1.07	1.27	1.45	1.39	0.97	0.73	0.91	1.22

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.31	0.70	0.99	1.03	1.17	1.31	1.32	1.29	1.33	1.15	0.74
CRMS0276 - Just east of Wilkinson Canal	0.06	-0.01	-0.01	-0.01	-0.07	-0.09	-0.07	-0.04	-0.01	0.02	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	0.01	0.01	0.01	-0.05	-0.13	-0.04	-0.01	-0.01	-0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.20	0.63	0.84	1.00	1.17	1.21	0.00	0.03	0.06	0.57	0.63
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.27	0.54	0.77	0.71	0.12	0.18	0.02	0.05	0.02	0.19	0.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.25	0.17	0.60	0.61	0.65	0.10	0.10	0.03	0.05	0.02	0.19	0.57
USGS 07380335 - Little Lake Near Cutoff	0.17	0.11	0.37	0.34	0.37	0.02	0.12	0.07	0.07	0.05	0.15	0.35
USGS073802516 Barataria Pass at Grand Isle	0.21	0.13	0.51	0.22	0.27	0.03	0.06	-0.04	0.07	0.01	0.11	0.40
HWQ14 - Lake Washington	0.26	0.22	0.60	0.36	0.33	0.07	0.15	0.12	0.08	0.05	0.15	0.54
HWQ16 - Bayou Grand Liard	0.01	0.04	0.08	0.00	-0.04	-0.12	-0.09	0.01	0.02	0.03	0.05	0.09
CRMS 3985	0.18	0.26	0.29	0.47	0.36	0.10	0.08	-0.01	-0.01	0.00	0.06	0.19
CRMS 0258	0.24	0.07	0.23	0.23	0.15	-0.01	0.06	0.00	0.01	0.01	0.13	0.23
CRMS 0224	0.24	0.11	0.42	0.36	0.35	0.05	0.10	0.01	0.02	0.02	0.16	0.38
CRMS 0163	-0.02	-0.01	0.00	0.01	0.00	0.00	-0.07	-0.01	0.00	-0.02	-0.01	0.00
CRMS 0162	-0.02	-0.01	0.00	0.01	-0.01	0.00	0.00	0.02	-0.03	-0.03	0.00	-0.01

Figure WQ NO3 170 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.12	0.46	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.20	0.45
CRMS0276 - Just east of Wilkinson Canal	1.00	1.29	1.34	1.28	0.93	0.82	0.58	0.40	0.93	0.85	0.78	0.96
Barataria Waterway at Lafitte (USACE82875)	1.27	1.37	1.32	1.22	1.31	1.34	1.32	1.00	1.47	1.27	1.09	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.99	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.51
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.10	0.67	0.14	0.02	0.03	0.06	0.07	0.13	0.08	0.32	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	1.09	0.69	0.36	0.04	0.05	0.10	0.11	0.13	0.07	0.28	0.54
USGS 07380335 - Little Lake Near Cutoff	0.82	1.10	0.89	0.60	0.18	0.18	0.30	0.31	0.36	0.28	0.39	0.61
USGS073802516 Barataria Pass at Grand Isle	0.80	1.05	0.65	0.37	0.07	0.04	0.10	0.17	0.15	0.06	0.23	0.48
HWQ14 - Lake Washington	0.88	1.03	0.50	0.13	0.01	0.03	0.09	0.08	0.13	0.05	0.17	0.43
HWQ16 - Bayou Grand Liard	0.73	1.04	1.04	0.94	0.65	0.59	0.68	0.51	0.54	0.47	0.42	0.53
CRMS 3985	1.08	1.13	0.86	0.16	0.04	0.07	0.14	0.21	0.30	0.26	0.50	0.91
CRMS 0258	1.03	1.26	0.97	0.72	0.13	0.02	0.01	0.00	0.32	0.07	0.48	0.88
CRMS 0224	0.91	1.18	0.80	0.61	0.10	0.03	0.02	0.01	0.26	0.07	0.35	0.74
CRMS 0163	1.29	1.31	1.23	1.13	1.23	1.37	1.36	1.16	1.43	1.33	1.31	1.40
CRMS 0162	1.26	1.23	1.19	1.09	1.16	1.32	1.42	1.38	1.16	1.14	0.84	1.03

V3PR4 HYST - cy 4 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.24	1.18	1.07	1.15	1.24	1.28	1.33	1.32	1.32	1.38	1.34
CRMS0276 - Just east of Wilkinson Canal	1.11	1.30	1.36	1.30	0.72	0.66	0.46	0.38	1.00	0.86	0.85	1.01
Barataria Waterway at Lafitte (USACE82875)	1.30	1.38	1.33	1.22	1.31	1.29	1.24	0.98	1.51	1.30	1.14	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.20	1.15	1.06	1.15	1.22	1.21	0.34	0.14	0.45	0.87	1.11
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.24	1.22	0.99	0.78	0.38	0.41	0.10	0.23	0.19	0.47	0.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.26	1.26	1.08	0.84	0.65	0.74	0.19	0.23	0.35	0.54	0.89
USGS 07380335 - Little Lake Near Cutoff	1.04	1.26	1.30	1.07	0.68	0.56	0.74	0.44	0.47	0.54	0.56	0.83
USGS073802516 Barataria Pass at Grand Isle	1.05	1.23	1.22	0.73	0.30	0.16	0.32	0.20	0.27	0.27	0.44	0.72
HWQ14 - Lake Washington	1.09	1.21	1.14	0.56	0.29	0.19	0.36	0.26	0.24	0.20	0.39	0.76
HWQ16 - Bayou Grand Liard	0.87	1.13	1.16	1.00	0.58	0.54	0.64	0.53	0.59	0.50	0.49	0.65
CRMS 3985	1.16	1.20	1.18	0.68	0.32	0.19	0.26	0.22	0.22	0.20	0.50	1.02
CRMS 0258	1.25	1.34	1.33	1.09	0.26	0.21	0.27	0.01	0.32	0.09	0.71	0.98
CRMS 0224	1.17	1.30	1.31	1.14	0.54	0.50	0.74	0.08	0.28	0.28	0.62	0.97
CRMS 0163	1.30	1.31	1.23	1.13	1.23	1.37	1.30	1.14	1.47	1.36	1.32	1.40
CRMS 0162	1.27	1.23	1.19	1.10	1.16	1.32	1.42	1.40	1.18	1.15	0.83	1.02

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.26	0.12	0.72	0.91	1.15	1.24	1.27	1.33	1.29	1.32	1.18	0.89
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	0.02	0.03	-0.21	-0.16	-0.12	-0.02	0.07	0.01	0.07	0.05
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.01	0.01	0.00	-0.05	-0.08	-0.01	0.04	0.03	0.05	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.04	0.72	0.78	1.14	1.22	1.21	0.33	0.11	0.45	0.65	0.59
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.14	0.55	0.85	0.76	0.35	0.35	0.03	0.10	0.10	0.16	0.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.28	0.18	0.57	0.72	0.80	0.60	0.63	0.08	0.10	0.28	0.26	0.35
USGS 07380335 - Little Lake Near Cutoff	0.22	0.16	0.41	0.47	0.50	0.38	0.44	0.14	0.11	0.26	0.17	0.22
USGS073802516 Barataria Pass at Grand Isle	0.24	0.18	0.57	0.36	0.23	0.11	0.22	0.02	0.12	0.20	0.21	0.23
HWQ14 - Lake Washington	0.21	0.18	0.63	0.43	0.28	0.15	0.27	0.18	0.11	0.15	0.22	0.33
HWQ16 - Bayou Grand Liard	0.14	0.09	0.12	0.07	-0.07	-0.05	-0.04	0.02	0.05	0.03	0.07	0.12
CRMS 3985	0.08	0.07	0.32	0.52	0.28	0.13	0.12	0.01	-0.08	-0.06	0.00	0.10
CRMS 0258	0.22	0.07	0.36	0.37	0.13	0.19	0.26	0.01	0.00	0.02	0.24	0.10
CRMS 0224	0.26	0.12	0.51	0.53	0.44	0.47	0.71	0.07	0.02	0.21	0.27	0.23
CRMS 0163	0.01	0.00	0.00	0.00	0.01	0.00	-0.05	-0.02	0.04	0.02	0.01	0.00
CRMS 0162	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.02	0.03	0.00	-0.02	0.00

Figure WQ NO3 171 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.14	0.37	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.46
CRMS0276 - Just east of Wilkinson Canal	1.10	1.34	1.35	1.24	1.15	0.52	0.20	0.29	0.68	0.50	0.80	1.17
Barataria Waterway at Lafitte (USACE82875)	1.31	1.33	1.30	1.34	1.35	1.00	1.01	0.79	1.36	0.92	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	1.19	0.37	0.17	0.02	0.00	0.00	0.00	0.02	0.00	0.22	0.53
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.10	0.54	0.10	0.01	0.03	0.08	0.09	0.13	0.06	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.93	1.14	0.62	0.25	0.05	0.05	0.06	0.08	0.12	0.05	0.16	0.63
USGS 07380335 - Little Lake Near Cutoff	0.92	1.17	0.82	0.44	0.22	0.13	0.16	0.17	0.29	0.16	0.19	0.74
USGS073802516 Barataria Pass at Grand Isle	0.89	1.10	0.61	0.25	0.07	0.03	0.04	0.09	0.12	0.04	0.16	0.61
HWQ14 - Lake Washington	0.91	1.06	0.43	0.09	0.01	0.03	0.08	0.09	0.12	0.03	0.17	0.48
HWQ16 - Bayou Grand Liard	0.84	1.12	1.06	0.82	0.75	0.46	0.34	0.13	0.38	0.20	0.28	0.72
CRMS 3985	1.09	1.12	0.69	0.14	0.04	0.07	0.20	0.36	0.32	0.22	0.57	0.94
CRMS 0258	1.10	1.31	0.88	0.60	0.21	0.00	0.01	0.00	0.19	0.01	0.53	1.00
CRMS 0224	1.00	1.24	0.74	0.47	0.18	0.02	0.01	0.02	0.18	0.03	0.30	0.82
CRMS 0163	1.31	1.24	1.20	1.24	1.26	1.27	1.14	0.92	1.38	1.04	1.36	1.34
CRMS 0162	1.26	1.21	1.18	1.17	1.17	1.36	1.51	1.15	0.62	0.43	0.95	1.22

V3PR4 HYST - cy 4 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.33	1.32	1.34	1.34	1.33	1.34	1.26
CRMS0276 - Just east of Wilkinson Canal	1.19	1.35	1.37	1.11	0.90	0.45	0.19	0.30	0.67	0.51	0.87	1.21
Barataria Waterway at Lafitte (USACE82875)	1.34	1.34	1.31	1.35	1.36	0.95	1.05	0.86	1.38	0.96	1.27	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.16	1.14	1.16	1.17	0.37	0.10	0.04	0.05	0.17	0.81	1.13
USGS7380251 Barataria Bay North of Grand Isle	1.10	1.22	1.20	0.99	0.85	0.10	0.09	0.09	0.16	0.07	0.42	0.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	1.24	1.06	0.93	0.13	0.07	0.09	0.14	0.05	0.42	0.93
USGS 07380335 - Little Lake Near Cutoff	1.11	1.29	1.30	0.95	0.82	0.24	0.19	0.23	0.33	0.19	0.44	0.92
USGS073802516 Barataria Pass at Grand Isle	1.07	1.26	1.20	0.58	0.42	0.09	0.04	0.12	0.18	0.04	0.32	0.70
HWQ14 - Lake Washington	1.02	1.20	1.11	0.47	0.37	0.10	0.13	0.14	0.19	0.08	0.28	0.53
HWQ16 - Bayou Grand Liard	0.95	1.20	1.17	0.81	0.72	0.47	0.36	0.18	0.41	0.27	0.42	0.79
CRMS 3985	1.03	1.18	1.13	0.61	0.41	0.16	0.20	0.27	0.33	0.24	0.34	0.51
CRMS 0258	1.32	1.32	1.31	0.88	0.42	0.00	0.01	0.00	0.18	0.01	0.68	1.22
CRMS 0224	1.23	1.30	1.29	1.01	0.65	0.01	0.01	0.02	0.16	0.02	0.53	1.13
CRMS 0163	1.32	1.25	1.20	1.25	1.26	1.23	1.19	0.98	1.39	1.08	1.38	1.35
CRMS 0162	1.27	1.21	1.18	1.16	1.17	1.36	1.52	1.15	0.69	0.42	0.96	1.24

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.05	0.78	1.09	1.17	1.32	1.32	1.34	1.32	1.33	1.14	0.80
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	0.02	-0.13	-0.25	-0.06	-0.01	0.01	-0.01	0.01	0.08	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.01	0.01	0.01	-0.05	0.04	0.08	0.01	0.04	0.03	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	-0.03	0.77	0.99	1.15	0.37	0.09	0.04	0.03	0.17	0.59	0.61
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.12	0.66	0.89	0.83	0.07	0.00	-0.01	0.03	0.02	0.07	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.23	0.12	0.62	0.81	0.88	0.09	0.01	0.01	0.02	0.00	0.25	0.30
USGS 07380335 - Little Lake Near Cutoff	0.19	0.13	0.47	0.51	0.60	0.10	0.03	0.05	0.04	0.03	0.25	0.18
USGS073802516 Barataria Pass at Grand Isle	0.18	0.16	0.59	0.32	0.34	0.06	0.00	0.03	0.06	0.01	0.16	0.09
HWQ14 - Lake Washington	0.10	0.14	0.68	0.38	0.36	0.07	0.05	0.04	0.07	0.05	0.11	0.05
HWQ16 - Bayou Grand Liard	0.11	0.08	0.11	-0.02	-0.03	0.02	0.02	0.05	0.03	0.06	0.14	0.08
CRMS 3985	-0.06	0.06	0.44	0.47	0.37	0.10	0.00	-0.09	0.01	0.02	-0.23	-0.44
CRMS 0258	0.21	0.02	0.43	0.28	0.20	0.00	0.00	0.00	-0.01	0.00	0.15	0.23
CRMS 0224	0.24	0.06	0.56	0.55	0.47	0.00	0.00	0.00	-0.02	-0.01	0.23	0.30
CRMS 0163	0.01	0.01	0.00	0.01	0.01	-0.04	0.05	0.06	0.01	0.04	0.02	0.01
CRMS 0162	0.01	0.00	-0.01	-0.01	0.00	0.00	0.01	0.01	0.07	-0.01	0.01	0.02

Figure WQ NO3 172 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.96	1.07	0.35	0.09	0.00	0.00	0.01	0.00	0.02	0.00	0.29	0.47
CRMS0276 - Just east of Wilkinson Canal	0.96	1.28	1.20	1.23	1.14	0.69	0.14	0.12	0.38	0.54	0.99	1.13
Barataria Waterway at Lafitte (USACE82875)	1.25	1.38	1.43	1.45	1.46	1.40	0.59	0.39	0.80	1.28	1.33	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.96	1.11	0.29	0.23	0.02	0.00	0.00	0.00	0.02	0.01	0.31	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.05	0.69	0.08	0.01	0.02	0.12	0.08	0.09	0.07	0.43	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.06	0.55	0.25	0.03	0.04	0.05	0.05	0.07	0.04	0.32	0.65
USGS 07380335 - Little Lake Near Cutoff	0.81	1.08	0.68	0.45	0.17	0.12	0.13	0.03	0.12	0.09	0.42	0.77
USGS073802516 Barataria Pass at Grand Isle	0.82	1.02	0.53	0.26	0.06	0.05	0.03	0.05	0.07	0.03	0.30	0.65
HWQ14 - Lake Washington	0.90	0.99	0.48	0.06	0.01	0.02	0.08	0.06	0.09	0.02	0.23	0.54
HWQ16 - Bayou Grand Liard	0.73	1.02	0.85	0.78	0.65	0.44	0.19	0.05	0.11	0.08	0.48	0.73
CRMS 3985	1.06	1.08	0.94	0.12	0.03	0.09	0.38	0.37	0.26	0.29	0.66	0.98
CRMS 0258	0.99	1.24	0.65	0.69	0.22	0.04	0.00	0.01	0.11	0.02	0.68	0.88
CRMS 0224	0.90	1.16	0.59	0.54	0.18	0.04	0.01	0.02	0.09	0.11	0.50	0.78
CRMS 0163	1.31	1.32	1.38	1.37	1.42	1.43	0.64	0.69	0.78	1.32	1.37	1.36
CRMS 0162	1.22	1.22	1.16	1.05	1.06	1.13	1.09	0.62	0.23	0.73	1.07	1.25

V3PR4 HYST - cy 4 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.26	1.31	1.27	1.30	1.36	1.40	1.41	1.37	1.28	1.28	1.29
CRMS0276 - Just east of Wilkinson Canal	0.98	1.29	1.20	1.24	1.01	0.68	0.14	0.16	0.42	0.56	1.01	1.18
Barataria Waterway at Lafitte (USACE82875)	1.28	1.39	1.46	1.45	1.46	1.43	0.71	0.46	0.79	1.26	1.36	1.44
USGS2928590900040000 Barataria Waterway South of Lafitte	1.06	1.21	1.14	0.77	0.91	0.06	0.11	0.05	0.05	0.15	0.73	1.02
USGS7380251 Barataria Bay North of Grand Isle	0.67	1.09	0.89	0.52	0.29	0.03	0.09	0.08	0.11	0.08	0.46	0.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	1.17	0.87	0.58	0.41	0.04	0.05	0.06	0.09	0.04	0.45	0.73
USGS 07380335 - Little Lake Near Cutoff	0.80	1.15	0.78	0.64	0.40	0.13	0.14	0.09	0.20	0.17	0.53	0.82
USGS073802516 Barataria Pass at Grand Isle	0.75	1.07	0.64	0.44	0.13	0.03	0.04	0.05	0.10	0.03	0.38	0.63
HWQ14 - Lake Washington	0.65	0.99	0.55	0.30	0.11	0.04	0.10	0.14	0.14	0.06	0.31	0.44
HWQ16 - Bayou Grand Liard	0.74	1.04	0.86	0.83	0.58	0.45	0.21	0.06	0.21	0.23	0.54	0.75
CRMS 3985	0.61	0.99	0.77	0.41	0.13	0.08	0.23	0.32	0.27	0.29	0.42	0.29
CRMS 0258	1.05	1.29	0.77	0.71	0.18	0.01	0.01	0.00	0.10	0.01	0.69	1.04
CRMS 0224	0.90	1.24	0.80	0.66	0.29	0.02	0.01	0.01	0.09	0.03	0.55	0.93
CRMS 0163	1.33	1.33	1.40	1.38	1.42	1.45	0.79	0.74	0.88	1.33	1.39	1.38
CRMS 0162	1.22	1.22	1.15	1.08	1.09	1.07	1.14	0.66	0.23	0.83	1.08	1.28

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.36	0.20	0.96	1.18	1.30	1.36	1.39	1.40	1.35	1.28	0.99	0.82
CRMS0276 - Just east of Wilkinson Canal	0.02	0.01	0.00	0.01	-0.13	-0.01	0.00	0.04	0.03	0.03	0.02	0.04
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.03	0.00	0.00	0.02	0.12	0.07	-0.01	-0.02	0.03	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.85	0.54	0.89	0.06	0.11	0.04	0.03	0.14	0.42	0.49
USGS7380251 Barataria Bay North of Grand Isle	-0.32	0.04	0.21	0.44	0.28	0.01	-0.04	0.01	0.01	0.01	0.04	-0.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	0.11	0.32	0.33	0.38	0.00	0.01	0.01	0.02	0.00	0.13	0.08
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.07	0.11	0.19	0.22	0.01	0.01	0.06	0.07	0.08	0.10	0.05
USGS073802516 Barataria Pass at Grand Isle	-0.07	0.06	0.12	0.18	0.07	-0.02	0.00	0.00	0.03	0.00	0.07	-0.02
HWQ14 - Lake Washington	-0.24	0.00	0.07	0.24	0.09	0.01	0.02	0.08	0.05	0.04	0.08	-0.10
HWQ16 - Bayou Grand Liard	0.01	0.02	0.00	0.04	-0.07	0.01	0.02	0.01	0.10	0.15	0.06	0.02
CRMS 3985	-0.45	-0.09	-0.16	0.30	0.10	-0.01	-0.15	-0.05	0.01	0.00	-0.23	-0.69
CRMS 0258	0.06	0.05	0.12	0.03	-0.04	-0.03	0.00	-0.01	-0.01	0.00	0.00	0.16
CRMS 0224	0.00	0.08	0.21	0.12	0.11	-0.02	0.00	-0.01	0.00	-0.07	0.05	0.15
CRMS 0163	0.02	0.01	0.02	0.01	0.00	0.02	0.15	0.05	0.09	0.01	0.02	0.03
CRMS 0162	0.01	0.00	0.00	0.03	0.04	-0.06	0.05	0.04	0.00	0.10	0.01	0.03

Figure WQ NO3 173 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.15	0.34	0.07	0.00	0.00	0.01	0.00	0.04	0.00	0.22	0.45
CRMS0276 - Just east of Wilkinson Canal	1.07	1.34	1.31	1.26	1.14	0.93	0.52	0.44	0.96	0.66	0.84	1.04
Barataria Waterway at Lafitte (USACE82875)	1.29	1.29	1.39	1.37	1.40	1.38	1.38	1.25	1.46	1.26	1.22	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.21	0.32	0.16	0.01	0.00	0.00	0.00	0.04	0.00	0.23	0.52
USGS7380251 Barataria Bay North of Grand Isle	1.01	1.11	0.51	0.08	0.01	0.03	0.13	0.10	0.16	0.08	0.36	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.16	0.55	0.23	0.04	0.06	0.09	0.10	0.14	0.06	0.30	0.59
USGS 07380335 - Little Lake Near Cutoff	0.89	1.19	0.70	0.42	0.18	0.21	0.24	0.30	0.37	0.22	0.40	0.68
USGS073802516 Barataria Pass at Grand Isle	0.87	1.13	0.55	0.22	0.04	0.06	0.09	0.17	0.16	0.04	0.26	0.54
HWQ14 - Lake Washington	0.91	1.07	0.41	0.07	0.01	0.04	0.13	0.13	0.15	0.04	0.20	0.45
HWQ16 - Bayou Grand Liard	0.85	1.15	0.97	0.81	0.65	0.65	0.57	0.55	0.53	0.36	0.43	0.61
CRMS 3985	1.08	1.11	0.65	0.13	0.04	0.10	0.34	0.35	0.34	0.29	0.59	0.95
CRMS 0258	1.05	1.32	0.79	0.62	0.14	0.11	0.01	0.01	0.32	0.02	0.49	0.93
CRMS 0224	0.96	1.26	0.65	0.46	0.11	0.09	0.02	0.01	0.24	0.04	0.38	0.79
CRMS 0163	1.27	1.20	1.29	1.28	1.35	1.40	1.39	1.32	1.45	1.31	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.15	1.11	1.32	1.43	1.38	1.09	0.99	0.88	1.12

V3PR4 HYST - cy 4 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.32	1.32	1.34	1.30	1.36	1.30
CRMS0276 - Just east of Wilkinson Canal	1.16	1.36	1.33	1.13	0.98	0.80	0.46	0.44	1.04	0.72	0.87	1.07
Barataria Waterway at Lafitte (USACE82875)	1.30	1.30	1.40	1.38	1.38	1.35	1.34	1.20	1.51	1.29	1.25	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.14	1.19	1.19	1.21	1.21	1.22	0.46	0.04	0.17	0.84	1.07
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.23	1.24	0.91	0.78	0.36	0.34	0.12	0.16	0.10	0.45	0.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.25	1.29	1.01	0.81	0.57	0.70	0.34	0.20	0.08	0.48	0.87
USGS 07380335 - Little Lake Near Cutoff	1.14	1.30	1.29	0.89	0.72	0.54	0.68	0.55	0.49	0.28	0.52	0.84
USGS073802516 Barataria Pass at Grand Isle	1.13	1.29	1.13	0.56	0.37	0.22	0.31	0.28	0.27	0.07	0.38	0.71
HWQ14 - Lake Washington	1.12	1.24	1.05	0.45	0.34	0.22	0.34	0.30	0.21	0.10	0.34	0.73
HWQ16 - Bayou Grand Liard	0.94	1.25	1.06	0.79	0.63	0.63	0.57	0.54	0.59	0.41	0.47	0.69
CRMS 3985	1.16	1.22	1.11	0.58	0.35	0.21	0.24	0.21	0.21	0.25	0.50	1.02
CRMS 0258	1.26	1.32	1.34	0.79	0.25	0.16	0.26	0.00	0.34	0.03	0.69	1.04
CRMS 0224	1.23	1.29	1.33	0.88	0.56	0.43	0.73	0.12	0.29	0.07	0.59	0.98
CRMS 0163	1.28	1.21	1.29	1.28	1.35	1.40	1.37	1.28	1.49	1.34	1.35	1.37
CRMS 0162	1.24	1.20	1.21	1.16	1.10	1.33	1.46	1.41	1.13	1.01	0.87	1.11

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.22	0.00	0.88	1.14	1.23	1.27	1.31	1.32	1.30	1.30	1.14	0.85
CRMS0276 - Just east of Wilkinson Canal	0.09	0.02	0.02	-0.13	-0.15	-0.13	-0.06	0.00	0.08	0.06	0.04	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.01	0.01	-0.02	-0.03	-0.04	-0.05	0.05	0.03	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	-0.07	0.87	1.03	1.20	1.21	1.21	0.45	0.00	0.17	0.61	0.56
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.12	0.73	0.83	0.77	0.32	0.21	0.02	0.00	0.02	0.09	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.09	0.74	0.78	0.78	0.52	0.61	0.24	0.06	0.03	0.19	0.29
USGS 07380335 - Little Lake Near Cutoff	0.25	0.11	0.59	0.46	0.54	0.33	0.44	0.24	0.12	0.06	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.26	0.17	0.58	0.34	0.32	0.16	0.22	0.12	0.11	0.03	0.12	0.17
HWQ14 - Lake Washington	0.22	0.17	0.64	0.38	0.33	0.19	0.22	0.18	0.06	0.06	0.14	0.28
HWQ16 - Bayou Grand Liard	0.09	0.10	0.09	-0.03	-0.02	-0.02	-0.01	-0.01	0.07	0.05	0.05	0.07
CRMS 3985	0.08	0.11	0.45	0.45	0.31	0.11	-0.10	-0.14	-0.13	-0.04	-0.09	0.06
CRMS 0258	0.22	0.00	0.55	0.17	0.10	0.05	0.25	0.00	0.01	0.01	0.19	0.11
CRMS 0224	0.28	0.03	0.69	0.42	0.45	0.34	0.71	0.11	0.05	0.04	0.20	0.19
CRMS 0163	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	-0.03	0.05	0.03	0.00	0.00
CRMS 0162	-0.01	0.00	-0.01	0.01	-0.01	0.01	0.03	0.04	0.04	0.02	-0.01	-0.01

Figure WQ NO3 174 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.03	0.49	0.21	0.01	0.00	0.00	0.00	0.03	0.00	0.20	0.46
CRMS0276 - Just east of Wilkinson Canal	1.17	1.25	1.30	1.33	1.27	0.66	0.35	0.36	0.85	0.57	0.75	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.45	1.35	1.36	1.23	1.24	1.24	0.95	1.41	1.10	1.14	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.12	0.54	0.34	0.06	0.00	0.00	0.00	0.02	0.00	0.22	0.54
USGS7380251 Barataria Bay North of Grand Isle	0.99	0.95	0.66	0.17	0.01	0.02	0.06	0.06	0.12	0.07	0.31	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.07	0.62	0.36	0.08	0.06	0.08	0.10	0.12	0.05	0.20	0.63
USGS 07380335 - Little Lake Near Cutoff	0.99	1.09	0.82	0.59	0.35	0.20	0.21	0.29	0.32	0.19	0.24	0.78
USGS073802516 Barataria Pass at Grand Isle	0.95	1.04	0.53	0.37	0.15	0.06	0.06	0.16	0.13	0.04	0.17	0.62
HWQ14 - Lake Washington	0.93	0.97	0.39	0.13	0.01	0.03	0.08	0.07	0.12	0.03	0.16	0.44
HWQ16 - Bayou Grand Liard	0.92	0.99	0.90	0.93	0.87	0.63	0.57	0.44	0.49	0.31	0.28	0.79
CRMS 3985	1.00	0.93	0.88	0.19	0.04	0.06	0.13	0.22	0.30	0.25	0.52	0.92
CRMS 0258	1.16	1.25	1.03	0.74	0.35	0.08	0.01	0.00	0.24	0.01	0.50	1.04
CRMS 0224	1.06	1.18	0.84	0.64	0.31	0.06	0.01	0.01	0.19	0.03	0.33	0.85
CRMS 0163	1.36	1.40	1.26	1.27	1.12	1.28	1.36	1.05	1.42	1.24	1.33	1.26
CRMS 0162	1.26	1.13	1.18	1.16	1.08	1.26	1.45	1.38	1.00	0.75	0.91	1.23

V3PR4 HYST - cy 4 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.20	1.19	1.05	1.18	1.31	1.32	1.32	1.35	1.34	1.20
CRMS0276 - Just east of Wilkinson Canal	1.24	1.24	1.30	1.34	1.19	0.57	0.35	0.36	0.86	0.62	0.83	1.27
Barataria Waterway at Lafitte (USACE82875)	1.36	1.43	1.36	1.37	1.25	1.20	1.12	0.99	1.44	1.17	1.17	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.26	1.17	1.18	1.06	1.16	1.20	0.03	0.04	0.19	0.85	1.17
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.21	1.19	1.03	0.91	0.36	0.25	0.08	0.17	0.09	0.47	1.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.25	1.24	1.23	1.14	1.01	0.60	0.55	0.13	0.17	0.07	0.47	1.22
USGS 07380335 - Little Lake Near Cutoff	1.18	1.21	1.23	1.11	0.97	0.54	0.55	0.40	0.40	0.24	0.49	1.19
USGS073802516 Barataria Pass at Grand Isle	1.18	1.18	1.12	0.76	0.59	0.15	0.21	0.16	0.23	0.06	0.36	1.09
HWQ14 - Lake Washington	1.20	1.19	1.07	0.60	0.48	0.18	0.30	0.22	0.21	0.09	0.32	1.01
HWQ16 - Bayou Grand Liard	0.94	1.04	1.02	1.00	0.89	0.56	0.52	0.49	0.52	0.37	0.44	0.93
CRMS 3985	1.16	1.18	1.17	0.73	0.51	0.20	0.22	0.21	0.29	0.24	0.50	1.09
CRMS 0258	1.42	1.33	1.27	1.09	0.67	0.20	0.17	0.00	0.25	0.02	0.68	1.28
CRMS 0224	1.32	1.30	1.26	1.18	0.89	0.47	0.47	0.02	0.20	0.05	0.57	1.25
CRMS 0163	1.34	1.39	1.26	1.28	1.14	1.29	1.28	1.10	1.44	1.30	1.35	1.27
CRMS 0162	1.23	1.13	1.17	1.15	1.08	1.26	1.45	1.40	1.02	0.80	0.90	1.22

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.31	0.70	0.99	1.04	1.18	1.31	1.31	1.30	1.34	1.14	0.74
CRMS0276 - Just east of Wilkinson Canal	0.07	-0.01	-0.01	0.01	-0.08	-0.09	-0.01	0.00	0.01	0.06	0.08	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	0.01	0.01	0.02	-0.03	-0.12	0.05	0.03	0.07	0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.63	0.84	1.00	1.16	1.20	0.03	0.02	0.19	0.63	0.63
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.27	0.54	0.86	0.90	0.34	0.19	0.02	0.04	0.02	0.16	0.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.27	0.17	0.61	0.78	0.93	0.55	0.47	0.03	0.05	0.02	0.27	0.59
USGS 07380335 - Little Lake Near Cutoff	0.19	0.12	0.41	0.52	0.62	0.34	0.34	0.10	0.08	0.06	0.25	0.41
USGS073802516 Barataria Pass at Grand Isle	0.23	0.14	0.60	0.39	0.44	0.09	0.15	0.00	0.10	0.02	0.19	0.48
HWQ14 - Lake Washington	0.27	0.22	0.67	0.47	0.47	0.15	0.22	0.15	0.09	0.06	0.16	0.57
HWQ16 - Bayou Grand Liard	0.02	0.04	0.13	0.07	0.02	-0.07	-0.05	0.05	0.03	0.06	0.16	0.14
CRMS 3985	0.16	0.25	0.29	0.55	0.48	0.14	0.09	-0.01	-0.01	-0.01	-0.02	0.16
CRMS 0258	0.26	0.08	0.24	0.36	0.31	0.12	0.16	0.00	0.01	0.00	0.18	0.24
CRMS 0224	0.26	0.12	0.43	0.55	0.58	0.41	0.46	0.01	0.02	0.02	0.24	0.40
CRMS 0163	-0.01	-0.01	0.00	0.01	0.01	0.01	-0.08	0.04	0.03	0.06	0.01	0.01
CRMS 0162	-0.03	0.00	-0.01	-0.01	0.00	0.00	0.00	0.03	0.02	0.05	-0.01	-0.01

Figure WQ NO3 175 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.12	0.46	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.20	0.45
CRMS0276 - Just east of Wilkinson Canal	1.00	1.29	1.34	1.28	0.93	0.82	0.58	0.40	0.93	0.85	0.78	0.96
Barataria Waterway at Lafitte (USACE82875)	1.27	1.37	1.32	1.22	1.31	1.34	1.32	1.00	1.47	1.27	1.09	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.99	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.51
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.10	0.67	0.14	0.02	0.03	0.06	0.07	0.13	0.08	0.32	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	1.09	0.69	0.36	0.04	0.05	0.10	0.11	0.13	0.07	0.28	0.54
USGS 07380335 - Little Lake Near Cutoff	0.82	1.10	0.89	0.60	0.18	0.18	0.30	0.31	0.36	0.28	0.39	0.61
USGS073802516 Barataria Pass at Grand Isle	0.80	1.05	0.65	0.37	0.07	0.04	0.10	0.17	0.15	0.06	0.23	0.48
HWQ14 - Lake Washington	0.88	1.03	0.50	0.13	0.01	0.03	0.09	0.08	0.13	0.05	0.17	0.43
HWQ16 - Bayou Grand Liard	0.73	1.04	1.04	0.94	0.65	0.59	0.68	0.51	0.54	0.47	0.42	0.53
CRMS 3985	1.08	1.13	0.86	0.16	0.04	0.07	0.14	0.21	0.30	0.26	0.50	0.91
CRMS 0258	1.03	1.26	0.97	0.72	0.13	0.02	0.01	0.00	0.32	0.07	0.48	0.88
CRMS 0224	0.91	1.18	0.80	0.61	0.10	0.03	0.02	0.01	0.26	0.07	0.35	0.74
CRMS 0163	1.29	1.31	1.23	1.13	1.23	1.37	1.36	1.16	1.43	1.33	1.31	1.40
CRMS 0162	1.26	1.23	1.19	1.09	1.16	1.32	1.42	1.38	1.16	1.14	0.84	1.03

V3PR5 HYST - cy 4 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.24	1.18	1.07	1.15	1.24	1.28	1.33	1.31	1.33	1.37	1.34
CRMS0276 - Just east of Wilkinson Canal	1.09	1.30	1.36	1.30	0.72	0.66	0.46	0.38	0.99	0.86	0.84	1.01
Barataria Waterway at Lafitte (USACE82875)	1.29	1.38	1.33	1.23	1.31	1.30	1.26	1.02	1.51	1.31	1.15	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.21	1.16	1.07	1.15	1.23	1.24	0.37	0.18	0.44	0.90	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.17	1.22	1.21	0.99	0.80	0.44	0.46	0.10	0.23	0.19	0.48	0.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.13	1.25	1.26	1.07	0.83	0.62	0.73	0.20	0.23	0.35	0.53	0.88
USGS 07380335 - Little Lake Near Cutoff	1.02	1.24	1.30	1.07	0.66	0.54	0.72	0.45	0.47	0.54	0.55	0.83
USGS073802516 Barataria Pass at Grand Isle	1.04	1.21	1.22	0.73	0.29	0.16	0.32	0.20	0.27	0.27	0.44	0.71
HWQ14 - Lake Washington	1.09	1.19	1.14	0.57	0.30	0.19	0.37	0.26	0.25	0.21	0.39	0.77
HWQ16 - Bayou Grand Liard	0.81	1.12	1.16	0.99	0.58	0.54	0.65	0.55	0.59	0.51	0.48	0.64
CRMS 3985	1.13	1.18	1.18	0.68	0.33	0.20	0.26	0.22	0.24	0.21	0.52	1.02
CRMS 0258	1.24	1.33	1.33	1.08	0.26	0.20	0.28	0.01	0.32	0.10	0.70	0.97
CRMS 0224	1.17	1.30	1.32	1.14	0.51	0.46	0.70	0.08	0.28	0.27	0.61	0.96
CRMS 0163	1.30	1.31	1.23	1.13	1.23	1.37	1.31	1.16	1.47	1.37	1.33	1.40
CRMS 0162	1.25	1.23	1.18	1.09	1.16	1.32	1.42	1.40	1.18	1.12	0.84	1.02

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.26	0.12	0.72	0.91	1.15	1.24	1.27	1.33	1.28	1.32	1.17	0.89
CRMS0276 - Just east of Wilkinson Canal	0.08	0.01	0.02	0.03	-0.21	-0.16	-0.12	-0.01	0.06	0.01	0.06	0.04
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.01	0.01	0.00	-0.04	-0.07	0.02	0.04	0.04	0.06	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.06	0.73	0.78	1.14	1.23	1.23	0.37	0.15	0.44	0.68	0.62
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.12	0.55	0.85	0.79	0.42	0.39	0.03	0.10	0.11	0.17	0.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.28	0.17	0.57	0.71	0.79	0.57	0.63	0.09	0.10	0.28	0.25	0.34
USGS 07380335 - Little Lake Near Cutoff	0.20	0.15	0.41	0.47	0.48	0.36	0.43	0.14	0.11	0.25	0.17	0.22
USGS073802516 Barataria Pass at Grand Isle	0.23	0.17	0.57	0.35	0.23	0.11	0.22	0.03	0.13	0.20	0.21	0.23
HWQ14 - Lake Washington	0.21	0.16	0.63	0.44	0.28	0.16	0.29	0.18	0.11	0.16	0.22	0.33
HWQ16 - Bayou Grand Liard	0.08	0.08	0.12	0.06	-0.07	-0.05	-0.03	0.03	0.05	0.04	0.06	0.11
CRMS 3985	0.05	0.05	0.32	0.52	0.29	0.14	0.13	0.01	-0.07	-0.06	0.01	0.11
CRMS 0258	0.21	0.07	0.36	0.36	0.12	0.18	0.27	0.01	0.00	0.03	0.23	0.09
CRMS 0224	0.25	0.12	0.51	0.53	0.41	0.43	0.68	0.07	0.02	0.20	0.26	0.22
CRMS 0163	0.01	0.00	0.00	0.00	0.00	0.00	-0.04	0.00	0.04	0.03	0.02	0.00
CRMS 0162	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.02	0.02	-0.02	0.00	-0.01

Figure WQ NO3 176 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.14	0.37	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.46
CRMS0276 - Just east of Wilkinson Canal	1.10	1.34	1.35	1.24	1.15	0.52	0.20	0.29	0.68	0.50	0.80	1.17
Barataria Waterway at Lafitte (USACE82875)	1.31	1.33	1.30	1.34	1.35	1.00	1.01	0.79	1.36	0.92	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	1.19	0.37	0.17	0.02	0.00	0.00	0.00	0.02	0.00	0.22	0.53
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.10	0.54	0.10	0.01	0.03	0.08	0.09	0.13	0.06	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.93	1.14	0.62	0.25	0.05	0.05	0.06	0.08	0.12	0.05	0.16	0.63
USGS 07380335 - Little Lake Near Cutoff	0.92	1.17	0.82	0.44	0.22	0.13	0.16	0.17	0.29	0.16	0.19	0.74
USGS073802516 Barataria Pass at Grand Isle	0.89	1.10	0.61	0.25	0.07	0.03	0.04	0.09	0.12	0.04	0.16	0.61
HWQ14 - Lake Washington	0.91	1.06	0.43	0.09	0.01	0.03	0.08	0.09	0.12	0.03	0.17	0.48
HWQ16 - Bayou Grand Liard	0.84	1.12	1.06	0.82	0.75	0.46	0.34	0.13	0.38	0.20	0.28	0.72
CRMS 3985	1.09	1.12	0.69	0.14	0.04	0.07	0.20	0.36	0.32	0.22	0.57	0.94
CRMS 0258	1.10	1.31	0.88	0.60	0.21	0.00	0.01	0.00	0.19	0.01	0.53	1.00
CRMS 0224	1.00	1.24	0.74	0.47	0.18	0.02	0.01	0.02	0.18	0.03	0.30	0.82
CRMS 0163	1.31	1.24	1.20	1.24	1.26	1.27	1.14	0.92	1.38	1.04	1.36	1.34
CRMS 0162	1.26	1.21	1.18	1.17	1.17	1.36	1.51	1.15	0.62	0.43	0.95	1.22

V3PR5 HYST - cy 4 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.25	1.19	1.15	1.17	1.17	1.31	1.32	1.34	1.34	1.35	1.35	1.27
CRMS0276 - Just east of Wilkinson Canal	1.16	1.34	1.37	1.12	0.91	0.45	0.21	0.32	0.68	0.53	0.89	1.20
Barataria Waterway at Lafitte (USACE82875)	1.33	1.34	1.31	1.35	1.36	0.97	1.06	0.89	1.39	0.97	1.29	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.17	1.14	1.16	1.17	0.38	0.12	0.06	0.05	0.17	0.84	1.17
USGS7380251 Barataria Bay North of Grand Isle	0.91	1.18	1.19	1.00	0.88	0.10	0.08	0.09	0.15	0.07	0.37	0.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.08	1.24	1.24	1.05	0.93	0.13	0.08	0.09	0.14	0.05	0.43	0.92
USGS 07380335 - Little Lake Near Cutoff	1.05	1.27	1.29	0.94	0.81	0.23	0.20	0.25	0.33	0.19	0.47	0.91
USGS073802516 Barataria Pass at Grand Isle	0.98	1.22	1.19	0.58	0.42	0.09	0.05	0.14	0.18	0.04	0.33	0.68
HWQ14 - Lake Washington	0.84	1.13	1.09	0.46	0.37	0.10	0.13	0.14	0.19	0.08	0.26	0.48
HWQ16 - Bayou Grand Liard	0.89	1.18	1.15	0.80	0.72	0.46	0.37	0.22	0.42	0.29	0.45	0.78
CRMS 3985	0.73	1.10	1.10	0.62	0.42	0.17	0.20	0.26	0.33	0.23	0.23	0.33
CRMS 0258	1.31	1.32	1.32	0.87	0.41	0.00	0.01	0.00	0.17	0.01	0.67	1.23
CRMS 0224	1.20	1.29	1.30	1.00	0.64	0.02	0.01	0.02	0.15	0.02	0.53	1.13
CRMS 0163	1.32	1.25	1.20	1.25	1.26	1.25	1.20	1.01	1.41	1.10	1.39	1.36
CRMS 0162	1.27	1.21	1.18	1.16	1.17	1.36	1.52	1.18	0.68	0.41	0.96	1.25

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.05	0.78	1.09	1.17	1.31	1.32	1.33	1.32	1.34	1.14	0.81
CRMS0276 - Just east of Wilkinson Canal	0.06	0.01	0.02	-0.12	-0.24	-0.06	0.01	0.03	0.01	0.04	0.09	0.03
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.01	0.01	0.01	-0.03	0.06	0.11	0.02	0.05	0.05	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	-0.02	0.78	1.00	1.15	0.38	0.12	0.06	0.03	0.17	0.62	0.64
USGS7380251 Barataria Bay North of Grand Isle	-0.11	0.07	0.65	0.90	0.86	0.08	0.00	-0.01	0.03	0.02	0.02	-0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.10	0.62	0.80	0.88	0.08	0.01	0.01	0.02	0.00	0.26	0.29
USGS 07380335 - Little Lake Near Cutoff	0.13	0.10	0.47	0.50	0.59	0.10	0.03	0.08	0.04	0.03	0.28	0.18
USGS073802516 Barataria Pass at Grand Isle	0.09	0.12	0.58	0.32	0.34	0.06	0.00	0.04	0.07	0.01	0.17	0.07
HWQ14 - Lake Washington	-0.07	0.07	0.65	0.38	0.36	0.07	0.05	0.05	0.07	0.05	0.09	0.01
HWQ16 - Bayou Grand Liard	0.05	0.06	0.09	-0.02	-0.03	0.01	0.03	0.09	0.04	0.09	0.17	0.06
CRMS 3985	-0.35	-0.02	0.41	0.48	0.39	0.10	-0.01	-0.09	0.01	0.01	-0.34	-0.61
CRMS 0258	0.20	0.01	0.43	0.27	0.20	0.00	0.00	0.00	-0.02	0.00	0.15	0.23
CRMS 0224	0.20	0.05	0.56	0.54	0.46	0.00	0.00	0.00	-0.03	-0.01	0.23	0.31
CRMS 0163	0.01	0.00	0.00	0.00	0.01	-0.01	0.07	0.09	0.03	0.06	0.02	0.03
CRMS 0162	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	0.03	0.06	-0.03	0.01	0.03

Figure WQ NO3 177 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.96	1.07	0.35	0.09	0.00	0.00	0.01	0.00	0.02	0.00	0.29	0.47
CRMS0276 - Just east of Wilkinson Canal	0.96	1.28	1.20	1.23	1.14	0.69	0.14	0.12	0.38	0.54	0.99	1.13
Barataria Waterway at Lafitte (USACE82875)	1.25	1.38	1.43	1.45	1.46	1.40	0.59	0.39	0.80	1.28	1.33	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.96	1.11	0.29	0.23	0.02	0.00	0.00	0.00	0.02	0.01	0.31	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.05	0.69	0.08	0.01	0.02	0.12	0.08	0.09	0.07	0.43	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.06	0.55	0.25	0.03	0.04	0.05	0.05	0.07	0.04	0.32	0.65
USGS 07380335 - Little Lake Near Cutoff	0.81	1.08	0.68	0.45	0.17	0.12	0.13	0.03	0.12	0.09	0.42	0.77
USGS073802516 Barataria Pass at Grand Isle	0.82	1.02	0.53	0.26	0.06	0.05	0.03	0.05	0.07	0.03	0.30	0.65
HWQ14 - Lake Washington	0.90	0.99	0.48	0.06	0.01	0.02	0.08	0.06	0.09	0.02	0.23	0.54
HWQ16 - Bayou Grand Liard	0.73	1.02	0.85	0.78	0.65	0.44	0.19	0.05	0.11	0.08	0.48	0.73
CRMS 3985	1.06	1.08	0.94	0.12	0.03	0.09	0.38	0.37	0.26	0.29	0.66	0.98
CRMS 0258	0.99	1.24	0.65	0.69	0.22	0.04	0.00	0.01	0.11	0.02	0.68	0.88
CRMS 0224	0.90	1.16	0.59	0.54	0.18	0.04	0.01	0.02	0.09	0.11	0.50	0.78
CRMS 0163	1.31	1.32	1.38	1.37	1.42	1.43	0.64	0.69	0.78	1.32	1.37	1.36
CRMS 0162	1.22	1.22	1.16	1.05	1.06	1.13	1.09	0.62	0.23	0.73	1.07	1.25

V3PR5 HYST - cy 4 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.26	1.31	1.27	1.29	1.35	1.40	1.40	1.37	1.29	1.25	1.27
CRMS0276 - Just east of Wilkinson Canal	1.04	1.30	1.22	1.24	1.04	0.66	0.15	0.16	0.41	0.56	1.01	1.17
Barataria Waterway at Lafitte (USACE82875)	1.28	1.39	1.46	1.46	1.47	1.43	0.70	0.46	0.73	1.26	1.35	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.15	1.23	1.19	0.79	0.92	0.08	0.15	0.07	0.05	0.16	0.75	1.05
USGS7380251 Barataria Bay North of Grand Isle	1.14	1.21	1.01	0.52	0.30	0.03	0.09	0.08	0.10	0.08	0.55	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.03	1.24	0.95	0.59	0.43	0.04	0.05	0.05	0.09	0.04	0.46	0.92
USGS 07380335 - Little Lake Near Cutoff	0.94	1.22	0.84	0.65	0.41	0.13	0.14	0.10	0.19	0.16	0.53	0.90
USGS073802516 Barataria Pass at Grand Isle	0.96	1.18	0.72	0.45	0.15	0.03	0.03	0.05	0.10	0.03	0.39	0.77
HWQ14 - Lake Washington	1.05	1.16	0.67	0.31	0.12	0.04	0.10	0.14	0.14	0.05	0.34	0.78
HWQ16 - Bayou Grand Liard	0.79	1.08	0.89	0.83	0.60	0.44	0.21	0.06	0.21	0.21	0.55	0.78
CRMS 3985	1.14	1.16	0.92	0.41	0.14	0.09	0.23	0.32	0.26	0.28	0.65	1.06
CRMS 0258	1.15	1.31	0.79	0.72	0.17	0.02	0.01	0.00	0.11	0.01	0.69	1.05
CRMS 0224	1.06	1.28	0.83	0.66	0.27	0.02	0.01	0.01	0.09	0.04	0.55	0.98
CRMS 0163	1.33	1.33	1.40	1.39	1.42	1.45	0.79	0.75	0.82	1.34	1.37	1.36
CRMS 0162	1.22	1.22	1.14	1.08	1.07	1.16	1.16	0.68	0.22	0.84	1.07	1.25

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.38	0.20	0.96	1.18	1.29	1.35	1.39	1.39	1.35	1.28	0.96	0.80
CRMS0276 - Just east of Wilkinson Canal	0.08	0.02	0.02	0.02	-0.10	-0.03	0.00	0.04	0.03	0.03	0.02	0.04
Barataria Waterway at Lafitte (USACE82875)	0.03	0.01	0.03	0.01	0.02	0.02	0.12	0.08	-0.07	-0.03	0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.12	0.90	0.57	0.90	0.08	0.15	0.06	0.03	0.15	0.44	0.52
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.32	0.44	0.29	0.01	-0.04	0.00	0.01	0.01	0.12	0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.40	0.34	0.40	0.00	0.00	0.01	0.02	0.00	0.14	0.27
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.16	0.20	0.24	0.01	0.01	0.06	0.07	0.07	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.19	0.20	0.09	-0.02	0.00	0.00	0.04	0.00	0.09	0.12
HWQ14 - Lake Washington	0.15	0.17	0.19	0.25	0.11	0.02	0.02	0.08	0.05	0.04	0.11	0.24
HWQ16 - Bayou Grand Liard	0.06	0.06	0.03	0.05	-0.05	0.00	0.02	0.01	0.10	0.12	0.07	0.05
CRMS 3985	0.08	0.09	-0.01	0.29	0.12	0.00	-0.15	-0.05	0.00	0.00	-0.01	0.08
CRMS 0258	0.16	0.07	0.14	0.03	-0.05	-0.02	0.00	-0.01	-0.01	0.00	0.01	0.17
CRMS 0224	0.16	0.12	0.24	0.12	0.09	-0.02	0.00	-0.01	0.00	-0.07	0.06	0.20
CRMS 0163	0.01	0.01	0.02	0.01	0.01	0.02	0.15	0.06	0.04	0.02	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	0.03	0.01	0.02	0.07	0.06	-0.01	0.11	-0.01	0.00

Figure WQ NO3 178 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.15	0.34	0.07	0.00	0.00	0.01	0.00	0.04	0.00	0.22	0.45
CRMS0276 - Just east of Wilkinson Canal	1.07	1.34	1.31	1.26	1.14	0.93	0.52	0.44	0.96	0.66	0.84	1.04
Barataria Waterway at Lafitte (USACE82875)	1.29	1.29	1.39	1.37	1.40	1.38	1.38	1.25	1.46	1.26	1.22	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.21	0.32	0.16	0.01	0.00	0.00	0.00	0.04	0.00	0.23	0.52
USGS7380251 Barataria Bay North of Grand Isle	1.01	1.11	0.51	0.08	0.01	0.03	0.13	0.10	0.16	0.08	0.36	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.16	0.55	0.23	0.04	0.06	0.09	0.10	0.14	0.06	0.30	0.59
USGS 07380335 - Little Lake Near Cutoff	0.89	1.19	0.70	0.42	0.18	0.21	0.24	0.30	0.37	0.22	0.40	0.68
USGS073802516 Barataria Pass at Grand Isle	0.87	1.13	0.55	0.22	0.04	0.06	0.09	0.17	0.16	0.04	0.26	0.54
HWQ14 - Lake Washington	0.91	1.07	0.41	0.07	0.01	0.04	0.13	0.13	0.15	0.04	0.20	0.45
HWQ16 - Bayou Grand Liard	0.85	1.15	0.97	0.81	0.65	0.65	0.57	0.55	0.53	0.36	0.43	0.61
CRMS 3985	1.08	1.11	0.65	0.13	0.04	0.10	0.34	0.35	0.34	0.29	0.59	0.95
CRMS 0258	1.05	1.32	0.79	0.62	0.14	0.11	0.01	0.01	0.32	0.02	0.49	0.93
CRMS 0224	0.96	1.26	0.65	0.46	0.11	0.09	0.02	0.01	0.24	0.04	0.38	0.79
CRMS 0163	1.27	1.20	1.29	1.28	1.35	1.40	1.39	1.32	1.45	1.31	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.15	1.11	1.32	1.43	1.38	1.09	0.99	0.88	1.12

V3PR5 HYST - cy 4 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.32	1.32	1.33	1.31	1.35	1.30
CRMS0276 - Just east of Wilkinson Canal	1.17	1.36	1.33	1.13	1.00	0.80	0.45	0.45	1.04	0.74	0.89	1.07
Barataria Waterway at Lafitte (USACE82875)	1.30	1.30	1.40	1.38	1.37	1.36	1.34	1.21	1.51	1.35	1.27	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.14	1.20	1.20	1.22	1.23	1.25	0.52	0.05	0.17	0.87	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.22	1.24	0.92	0.81	0.39	0.36	0.11	0.15	0.09	0.39	0.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.19	1.25	1.29	1.00	0.81	0.56	0.69	0.36	0.20	0.08	0.48	0.84
USGS 07380335 - Little Lake Near Cutoff	1.14	1.31	1.28	0.88	0.71	0.53	0.67	0.56	0.48	0.28	0.52	0.83
USGS073802516 Barataria Pass at Grand Isle	1.12	1.29	1.13	0.55	0.36	0.22	0.31	0.29	0.27	0.08	0.37	0.68
HWQ14 - Lake Washington	1.11	1.23	1.05	0.45	0.34	0.23	0.35	0.31	0.21	0.09	0.31	0.69
HWQ16 - Bayou Grand Liard	0.94	1.24	1.06	0.79	0.64	0.62	0.56	0.55	0.59	0.42	0.48	0.69
CRMS 3985	1.14	1.22	1.10	0.58	0.36	0.23	0.24	0.21	0.21	0.21	0.40	0.97
CRMS 0258	1.27	1.32	1.34	0.80	0.25	0.15	0.26	0.00	0.34	0.03	0.69	1.02
CRMS 0224	1.23	1.30	1.34	0.87	0.55	0.41	0.68	0.10	0.29	0.07	0.58	0.96
CRMS 0163	1.28	1.21	1.29	1.28	1.35	1.40	1.37	1.30	1.49	1.37	1.35	1.38
CRMS 0162	1.25	1.20	1.21	1.15	1.10	1.34	1.46	1.41	1.15	1.05	0.87	1.11

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.22	0.00	0.88	1.14	1.23	1.27	1.31	1.31	1.29	1.31	1.13	0.84
CRMS0276 - Just east of Wilkinson Canal	0.10	0.02	0.02	-0.13	-0.14	-0.13	-0.06	0.01	0.09	0.09	0.06	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.01	0.01	-0.02	-0.03	-0.04	-0.04	0.05	0.09	0.05	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	-0.06	0.88	1.03	1.21	1.23	1.25	0.51	0.01	0.17	0.64	0.57
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.11	0.72	0.84	0.79	0.36	0.23	0.02	-0.01	0.00	0.03	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.09	0.74	0.77	0.77	0.50	0.60	0.25	0.06	0.03	0.18	0.26
USGS 07380335 - Little Lake Near Cutoff	0.24	0.11	0.59	0.46	0.54	0.32	0.42	0.25	0.12	0.06	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.25	0.16	0.57	0.33	0.32	0.15	0.22	0.13	0.11	0.03	0.12	0.14
HWQ14 - Lake Washington	0.20	0.17	0.64	0.38	0.33	0.20	0.23	0.18	0.06	0.05	0.11	0.24
HWQ16 - Bayou Grand Liard	0.09	0.10	0.09	-0.03	-0.01	-0.03	-0.01	0.01	0.06	0.06	0.06	0.08
CRMS 3985	0.06	0.10	0.45	0.45	0.32	0.12	-0.11	-0.14	-0.13	-0.08	-0.19	0.02
CRMS 0258	0.22	0.00	0.55	0.18	0.11	0.04	0.25	0.00	0.02	0.01	0.20	0.09
CRMS 0224	0.28	0.03	0.69	0.41	0.44	0.32	0.66	0.09	0.05	0.04	0.20	0.18
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.02	0.05	0.05	0.01	0.01
CRMS 0162	0.00	0.00	-0.01	0.00	-0.01	0.02	0.03	0.03	0.05	0.07	-0.01	-0.02

Figure WQ NO3 179 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.03	0.49	0.21	0.01	0.00	0.00	0.00	0.03	0.00	0.20	0.46
CRMS0276 - Just east of Wilkinson Canal	1.17	1.25	1.30	1.33	1.27	0.66	0.35	0.36	0.85	0.57	0.75	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.45	1.35	1.36	1.23	1.24	1.24	0.95	1.41	1.10	1.14	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.12	0.54	0.34	0.06	0.00	0.00	0.00	0.02	0.00	0.22	0.54
USGS7380251 Barataria Bay North of Grand Isle	0.99	0.95	0.66	0.17	0.01	0.02	0.06	0.06	0.12	0.07	0.31	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.07	0.62	0.36	0.08	0.06	0.08	0.10	0.12	0.05	0.20	0.63
USGS 07380335 - Little Lake Near Cutoff	0.99	1.09	0.82	0.59	0.35	0.20	0.21	0.29	0.32	0.19	0.24	0.78
USGS073802516 Barataria Pass at Grand Isle	0.95	1.04	0.53	0.37	0.15	0.06	0.06	0.16	0.13	0.04	0.17	0.62
HWQ14 - Lake Washington	0.93	0.97	0.39	0.13	0.01	0.03	0.08	0.07	0.12	0.03	0.16	0.44
HWQ16 - Bayou Grand Liard	0.92	0.99	0.90	0.93	0.87	0.63	0.57	0.44	0.49	0.31	0.28	0.79
CRMS 3985	1.00	0.93	0.88	0.19	0.04	0.06	0.13	0.22	0.30	0.25	0.52	0.92
CRMS 0258	1.16	1.25	1.03	0.74	0.35	0.08	0.01	0.00	0.24	0.01	0.50	1.04
CRMS 0224	1.06	1.18	0.84	0.64	0.31	0.06	0.01	0.01	0.19	0.03	0.33	0.85
CRMS 0163	1.36	1.40	1.26	1.27	1.12	1.28	1.36	1.05	1.42	1.24	1.33	1.26
CRMS 0162	1.26	1.13	1.18	1.16	1.08	1.26	1.45	1.38	1.00	0.75	0.91	1.23

V3PR5 HYST - cy 4 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.20	1.19	1.05	1.18	1.31	1.31	1.33	1.36	1.34	1.20
CRMS0276 - Just east of Wilkinson Canal	1.24	1.25	1.30	1.33	1.20	0.58	0.34	0.36	0.87	0.65	0.85	1.28
Barataria Waterway at Lafitte (USACE82875)	1.36	1.43	1.36	1.37	1.25	1.20	1.13	1.01	1.44	1.20	1.19	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.29	1.18	1.18	1.06	1.17	1.23	0.05	0.05	0.18	0.88	1.18
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.20	1.19	1.03	0.93	0.43	0.27	0.08	0.16	0.08	0.40	1.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.24	1.24	1.23	1.14	1.01	0.59	0.54	0.14	0.17	0.07	0.46	1.22
USGS 07380335 - Little Lake Near Cutoff	1.17	1.20	1.23	1.11	0.97	0.52	0.53	0.41	0.41	0.26	0.50	1.19
USGS073802516 Barataria Pass at Grand Isle	1.17	1.17	1.12	0.76	0.58	0.15	0.21	0.16	0.23	0.07	0.36	1.08
HWQ14 - Lake Washington	1.19	1.18	1.06	0.60	0.49	0.19	0.30	0.22	0.21	0.09	0.29	0.98
HWQ16 - Bayou Grand Liard	0.94	1.04	1.03	0.99	0.89	0.56	0.53	0.51	0.53	0.37	0.45	0.94
CRMS 3985	1.14	1.17	1.17	0.74	0.53	0.20	0.23	0.21	0.28	0.21	0.40	1.05
CRMS 0258	1.43	1.33	1.27	1.09	0.67	0.19	0.16	0.00	0.26	0.02	0.69	1.29
CRMS 0224	1.31	1.29	1.27	1.18	0.89	0.44	0.42	0.02	0.21	0.06	0.58	1.25
CRMS 0163	1.34	1.40	1.26	1.28	1.14	1.29	1.29	1.13	1.45	1.32	1.35	1.27
CRMS 0162	1.23	1.13	1.18	1.15	1.09	1.26	1.46	1.40	1.02	0.82	0.90	1.22

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.30	0.70	0.99	1.04	1.18	1.31	1.31	1.30	1.36	1.14	0.74
CRMS0276 - Just east of Wilkinson Canal	0.07	0.00	0.00	0.00	-0.07	-0.08	-0.01	0.01	0.03	0.09	0.10	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	0.01	0.01	0.02	-0.04	-0.11	0.07	0.03	0.11	0.05	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.64	0.85	1.00	1.17	1.23	0.04	0.02	0.18	0.66	0.64
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.26	0.54	0.87	0.92	0.41	0.22	0.01	0.04	0.01	0.09	0.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.17	0.61	0.78	0.92	0.54	0.46	0.04	0.06	0.02	0.26	0.59
USGS 07380335 - Little Lake Near Cutoff	0.18	0.11	0.41	0.52	0.62	0.32	0.32	0.12	0.09	0.07	0.25	0.41
USGS073802516 Barataria Pass at Grand Isle	0.22	0.13	0.59	0.39	0.43	0.09	0.15	0.00	0.10	0.03	0.18	0.46
HWQ14 - Lake Washington	0.25	0.22	0.67	0.47	0.47	0.16	0.22	0.15	0.09	0.05	0.13	0.54
HWQ16 - Bayou Grand Liard	0.02	0.04	0.13	0.07	0.02	-0.07	-0.04	0.07	0.04	0.06	0.17	0.15
CRMS 3985	0.15	0.25	0.29	0.55	0.49	0.15	0.09	-0.01	-0.02	-0.04	-0.12	0.13
CRMS 0258	0.26	0.08	0.24	0.35	0.31	0.11	0.15	0.00	0.02	0.01	0.19	0.25
CRMS 0224	0.25	0.12	0.43	0.54	0.58	0.37	0.41	0.01	0.02	0.03	0.24	0.40
CRMS 0163	-0.01	-0.01	0.00	0.01	0.01	0.01	-0.07	0.08	0.03	0.08	0.01	0.01
CRMS 0162	-0.03	-0.01	0.00	-0.01	0.01	0.00	0.00	0.03	0.02	0.07	-0.01	-0.01

Figure WQ NO3 180 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.12	0.46	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.20	0.45
CRMS0276 - Just east of Wilkinson Canal	1.00	1.29	1.34	1.28	0.93	0.82	0.58	0.40	0.93	0.85	0.78	0.96
Barataria Waterway at Lafitte (USACE82875)	1.27	1.37	1.32	1.22	1.31	1.34	1.32	1.00	1.47	1.27	1.09	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.99	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.51
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.10	0.67	0.14	0.02	0.03	0.06	0.07	0.13	0.08	0.32	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	1.09	0.69	0.36	0.04	0.05	0.10	0.11	0.13	0.07	0.28	0.54
USGS 07380335 - Little Lake Near Cutoff	0.82	1.10	0.89	0.60	0.18	0.18	0.30	0.31	0.36	0.28	0.39	0.61
USGS073802516 Barataria Pass at Grand Isle	0.80	1.05	0.65	0.37	0.07	0.04	0.10	0.17	0.15	0.06	0.23	0.48
HWQ14 - Lake Washington	0.88	1.03	0.50	0.13	0.01	0.03	0.09	0.08	0.13	0.05	0.17	0.43
HWQ16 - Bayou Grand Liard	0.73	1.04	1.04	0.94	0.65	0.59	0.68	0.51	0.54	0.47	0.42	0.53
CRMS 3985	1.08	1.13	0.86	0.16	0.04	0.07	0.14	0.21	0.30	0.26	0.50	0.91
CRMS 0258	1.03	1.26	0.97	0.72	0.13	0.02	0.01	0.00	0.32	0.07	0.48	0.88
CRMS 0224	0.91	1.18	0.80	0.61	0.10	0.03	0.02	0.01	0.26	0.07	0.35	0.74
CRMS 0163	1.29	1.31	1.23	1.13	1.23	1.37	1.36	1.16	1.43	1.33	1.31	1.40
CRMS 0162	1.26	1.23	1.19	1.09	1.16	1.32	1.42	1.38	1.16	1.14	0.84	1.03

V3PR6 HYST - cy 4 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.26	1.18	1.07	1.15	1.24	1.28	1.33	1.31	1.33	1.39	1.35
CRMS0276 - Just east of Wilkinson Canal	1.10	1.30	1.37	1.32	0.71	0.67	0.77	0.44	1.00	0.85	0.85	1.01
Barataria Waterway at Lafitte (USACE82875)	1.29	1.40	1.34	1.23	1.31	1.25	1.17	0.91	1.53	1.30	1.18	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.21	1.17	1.07	1.15	1.24	1.26	0.47	0.31	0.37	0.83	1.11
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.20	1.19	1.10	1.15	1.16	1.07	0.21	0.26	0.29	0.52	1.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.26	1.20	1.11	1.17	1.20	1.23	0.45	0.29	0.51	0.59	0.97
USGS 07380335 - Little Lake Near Cutoff	1.13	1.26	1.26	1.17	1.13	1.06	1.15	0.51	0.44	0.65	0.59	0.89
USGS073802516 Barataria Pass at Grand Isle	1.12	1.25	1.25	1.00	0.62	0.52	0.74	0.29	0.30	0.41	0.50	0.77
HWQ14 - Lake Washington	1.14	1.21	1.17	0.90	0.55	0.53	0.65	0.36	0.28	0.29	0.45	0.84
HWQ16 - Bayou Grand Liard	0.87	1.15	1.22	1.07	0.68	0.67	0.75	0.57	0.57	0.56	0.50	0.66
CRMS 3985	1.17	1.12	1.20	1.04	0.87	0.65	0.60	0.28	0.25	0.24	0.52	1.05
CRMS 0258	1.25	1.30	1.27	1.20	0.98	0.73	0.84	0.04	0.26	0.14	0.70	1.08
CRMS 0224	1.21	1.28	1.24	1.16	1.08	1.11	1.25	0.34	0.22	0.40	0.63	1.01
CRMS 0163	1.30	1.33	1.24	1.14	1.24	1.36	1.23	1.08	1.47	1.36	1.33	1.40
CRMS 0162	1.26	1.24	1.18	1.10	1.15	1.31	1.42	1.39	1.16	1.12	0.85	1.03

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.27	0.14	0.72	0.91	1.15	1.24	1.28	1.32	1.28	1.33	1.19	0.90
CRMS0276 - Just east of Wilkinson Canal	0.10	0.01	0.02	0.04	-0.22	-0.15	0.19	0.04	0.07	0.01	0.07	0.05
Barataria Waterway at Lafitte (USACE82875)	0.02	0.03	0.02	0.02	0.01	-0.09	-0.16	-0.08	0.06	0.04	0.09	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.05	0.74	0.78	1.14	1.24	1.26	0.47	0.28	0.37	0.61	0.60
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.10	0.52	0.95	1.13	1.14	1.01	0.14	0.13	0.21	0.20	0.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.17	0.52	0.75	1.13	1.15	1.13	0.34	0.16	0.43	0.31	0.42
USGS 07380335 - Little Lake Near Cutoff	0.31	0.16	0.37	0.56	0.95	0.88	0.85	0.21	0.08	0.37	0.20	0.28
USGS073802516 Barataria Pass at Grand Isle	0.31	0.20	0.60	0.63	0.55	0.47	0.64	0.12	0.15	0.34	0.27	0.29
HWQ14 - Lake Washington	0.26	0.17	0.67	0.77	0.54	0.50	0.56	0.28	0.15	0.24	0.28	0.40
HWQ16 - Bayou Grand Liard	0.14	0.11	0.18	0.14	0.03	0.08	0.08	0.06	0.03	0.08	0.09	0.13
CRMS 3985	0.10	-0.01	0.35	0.88	0.83	0.59	0.46	0.06	-0.06	-0.02	0.01	0.14
CRMS 0258	0.22	0.04	0.30	0.47	0.85	0.71	0.84	0.04	-0.06	0.07	0.22	0.20
CRMS 0224	0.29	0.09	0.44	0.56	0.98	1.08	1.23	0.33	-0.04	0.33	0.28	0.27
CRMS 0163	0.01	0.02	0.01	0.01	0.01	-0.01	-0.12	-0.09	0.04	0.02	0.02	0.00
CRMS 0162	0.00	0.02	-0.01	0.00	0.00	-0.01	0.00	0.01	0.00	-0.03	0.01	0.00

Figure WQ NO3 181 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.14	0.37	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.46
CRMS0276 - Just east of Wilkinson Canal	1.10	1.34	1.35	1.24	1.15	0.52	0.20	0.29	0.68	0.50	0.80	1.17
Barataria Waterway at Lafitte (USACE82875)	1.31	1.33	1.30	1.34	1.35	1.00	1.01	0.79	1.36	0.92	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	1.19	0.37	0.17	0.02	0.00	0.00	0.00	0.02	0.00	0.22	0.53
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.10	0.54	0.10	0.01	0.03	0.08	0.09	0.13	0.06	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.93	1.14	0.62	0.25	0.05	0.05	0.06	0.08	0.12	0.05	0.16	0.63
USGS 07380335 - Little Lake Near Cutoff	0.92	1.17	0.82	0.44	0.22	0.13	0.16	0.17	0.29	0.16	0.19	0.74
USGS073802516 Barataria Pass at Grand Isle	0.89	1.10	0.61	0.25	0.07	0.03	0.04	0.09	0.12	0.04	0.16	0.61
HWQ14 - Lake Washington	0.91	1.06	0.43	0.09	0.01	0.03	0.08	0.09	0.12	0.03	0.17	0.48
HWQ16 - Bayou Grand Liard	0.84	1.12	1.06	0.82	0.75	0.46	0.34	0.13	0.38	0.20	0.28	0.72
CRMS 3985	1.09	1.12	0.69	0.14	0.04	0.07	0.20	0.36	0.32	0.22	0.57	0.94
CRMS 0258	1.10	1.31	0.88	0.60	0.21	0.00	0.01	0.00	0.19	0.01	0.53	1.00
CRMS 0224	1.00	1.24	0.74	0.47	0.18	0.02	0.01	0.02	0.18	0.03	0.30	0.82
CRMS 0163	1.31	1.24	1.20	1.24	1.26	1.27	1.14	0.92	1.38	1.04	1.36	1.34
CRMS 0162	1.26	1.21	1.18	1.17	1.17	1.36	1.51	1.15	0.62	0.43	0.95	1.22

V3PR6 HYST - cy 4 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.32	1.31	1.33	1.34	1.33	1.35	1.27
CRMS0276 - Just east of Wilkinson Canal	1.19	1.34	1.37	1.13	0.90	0.41	0.20	0.33	0.69	0.52	0.88	1.21
Barataria Waterway at Lafitte (USACE82875)	1.33	1.35	1.32	1.36	1.37	0.98	1.07	0.93	1.42	0.98	1.28	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.18	1.15	1.17	1.17	0.40	0.02	0.01	0.04	0.08	0.78	1.15
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.20	1.18	1.18	1.18	0.22	0.08	0.08	0.14	0.08	0.38	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.21	1.18	1.20	1.20	0.31	0.05	0.06	0.14	0.04	0.44	1.03
USGS 07380335 - Little Lake Near Cutoff	1.19	1.27	1.25	1.23	1.18	0.27	0.10	0.18	0.31	0.14	0.45	1.02
USGS073802516 Barataria Pass at Grand Isle	1.15	1.28	1.27	0.95	0.76	0.17	0.05	0.14	0.22	0.06	0.33	0.79
HWQ14 - Lake Washington	1.08	1.23	1.23	0.83	0.68	0.19	0.15	0.16	0.20	0.09	0.28	0.58
HWQ16 - Bayou Grand Liard	0.95	1.25	1.25	0.98	0.84	0.50	0.36	0.19	0.44	0.28	0.41	0.81
CRMS 3985	1.08	1.24	1.25	1.04	0.95	0.26	0.21	0.23	0.32	0.24	0.28	0.57
CRMS 0258	1.32	1.27	1.25	1.24	1.04	0.01	0.01	0.00	0.15	0.01	0.68	1.23
CRMS 0224	1.27	1.24	1.21	1.24	1.13	0.07	0.01	0.02	0.13	0.02	0.54	1.15
CRMS 0163	1.32	1.26	1.21	1.26	1.27	1.24	1.23	1.06	1.41	1.09	1.38	1.35
CRMS 0162	1.27	1.21	1.17	1.15	1.18	1.37	1.50	1.16	0.68	0.42	0.96	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.25	0.05	0.78	1.09	1.17	1.32	1.30	1.32	1.32	1.33	1.14	0.81
CRMS0276 - Just east of Wilkinson Canal	0.09	0.00	0.02	-0.11	-0.25	-0.11	0.00	0.04	0.01	0.03	0.08	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.02	0.02	0.02	-0.02	0.06	0.14	0.05	0.06	0.04	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	-0.01	0.78	1.00	1.15	0.40	0.01	0.00	0.02	0.08	0.56	0.62
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.10	0.64	1.08	1.16	0.19	0.00	-0.02	0.01	0.03	0.04	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.07	0.56	0.95	1.15	0.26	-0.01	-0.02	0.02	-0.01	0.28	0.40
USGS 07380335 - Little Lake Near Cutoff	0.28	0.10	0.43	0.79	0.96	0.14	-0.06	0.00	0.02	-0.02	0.27	0.28
USGS073802516 Barataria Pass at Grand Isle	0.26	0.17	0.66	0.70	0.69	0.14	0.01	0.05	0.10	0.03	0.17	0.18
HWQ14 - Lake Washington	0.17	0.17	0.80	0.74	0.66	0.16	0.07	0.06	0.08	0.07	0.11	0.11
HWQ16 - Bayou Grand Liard	0.11	0.13	0.19	0.15	0.08	0.05	0.02	0.06	0.06	0.08	0.13	0.09
CRMS 3985	0.00	0.12	0.56	0.90	0.91	0.20	0.00	-0.13	-0.01	0.02	-0.28	-0.38
CRMS 0258	0.21	-0.03	0.37	0.64	0.83	0.00	0.00	0.00	-0.04	0.00	0.15	0.23
CRMS 0224	0.27	0.00	0.48	0.77	0.95	0.06	0.00	0.00	-0.05	-0.01	0.24	0.33
CRMS 0163	0.01	0.01	0.01	0.01	0.01	-0.03	0.09	0.14	0.03	0.05	0.01	0.01
CRMS 0162	0.00	0.00	-0.01	-0.02	0.00	0.01	0.00	0.02	0.06	-0.01	0.01	0.02

Figure WQ NO3 182 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.96	1.07	0.35	0.09	0.00	0.00	0.01	0.00	0.02	0.00	0.29	0.47
CRMS0276 - Just east of Wilkinson Canal	0.96	1.28	1.20	1.23	1.14	0.69	0.14	0.12	0.38	0.54	0.99	1.13
Barataria Waterway at Lafitte (USACE82875)	1.25	1.38	1.43	1.45	1.46	1.40	0.59	0.39	0.80	1.28	1.33	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.96	1.11	0.29	0.23	0.02	0.00	0.00	0.00	0.02	0.01	0.31	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.05	0.69	0.08	0.01	0.02	0.12	0.08	0.09	0.07	0.43	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.06	0.55	0.25	0.03	0.04	0.05	0.05	0.07	0.04	0.32	0.65
USGS 07380335 - Little Lake Near Cutoff	0.81	1.08	0.68	0.45	0.17	0.12	0.13	0.03	0.12	0.09	0.42	0.77
USGS073802516 Barataria Pass at Grand Isle	0.82	1.02	0.53	0.26	0.06	0.05	0.03	0.05	0.07	0.03	0.30	0.65
HWQ14 - Lake Washington	0.90	0.99	0.48	0.06	0.01	0.02	0.08	0.06	0.09	0.02	0.23	0.54
HWQ16 - Bayou Grand Liard	0.73	1.02	0.85	0.78	0.65	0.44	0.19	0.05	0.11	0.08	0.48	0.73
CRMS 3985	1.06	1.08	0.94	0.12	0.03	0.09	0.38	0.37	0.26	0.29	0.66	0.98
CRMS 0258	0.99	1.24	0.65	0.69	0.22	0.04	0.00	0.01	0.11	0.02	0.68	0.88
CRMS 0224	0.90	1.16	0.59	0.54	0.18	0.04	0.01	0.02	0.09	0.11	0.50	0.78
CRMS 0163	1.31	1.32	1.38	1.37	1.42	1.43	0.64	0.69	0.78	1.32	1.37	1.36
CRMS 0162	1.22	1.22	1.16	1.05	1.06	1.13	1.09	0.62	0.23	0.73	1.07	1.25

V3PR6 HYST - cy 4 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.28	1.32	1.29	1.30	1.35	1.39	1.38	1.34	1.29	1.28	1.27
CRMS0276 - Just east of Wilkinson Canal	1.02	1.30	1.19	1.25	0.95	0.66	0.15	0.15	0.42	0.56	1.01	1.20
Barataria Waterway at Lafitte (USACE82875)	1.28	1.40	1.47	1.46	1.47	1.45	0.69	0.46	0.76	1.28	1.36	1.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.06	1.23	1.16	0.74	0.99	0.01	0.02	0.01	0.03	0.06	0.63	0.97
USGS7380251 Barataria Bay North of Grand Isle	0.95	1.16	0.94	0.57	0.62	0.02	0.06	0.06	0.10	0.07	0.38	0.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.94	1.25	1.01	0.66	0.86	0.03	0.03	0.03	0.08	0.03	0.45	0.73
USGS 07380335 - Little Lake Near Cutoff	0.88	1.24	0.90	0.71	0.73	0.06	0.07	0.05	0.14	0.12	0.53	0.83
USGS073802516 Barataria Pass at Grand Isle	0.85	1.18	0.74	0.54	0.32	0.03	0.04	0.05	0.11	0.04	0.38	0.63
HWQ14 - Lake Washington	0.86	1.11	0.59	0.37	0.22	0.04	0.09	0.12	0.15	0.07	0.26	0.41
HWQ16 - Bayou Grand Liard	0.80	1.09	0.87	0.87	0.60	0.45	0.21	0.05	0.21	0.20	0.55	0.78
CRMS 3985	0.95	1.02	0.66	0.45	0.25	0.09	0.16	0.24	0.26	0.25	0.30	0.44
CRMS 0258	1.07	1.30	0.85	0.74	0.13	0.00	0.01	0.01	0.10	0.01	0.66	1.10
CRMS 0224	0.96	1.28	0.93	0.72	0.44	0.01	0.01	0.01	0.09	0.03	0.54	0.95
CRMS 0163	1.33	1.35	1.41	1.38	1.42	1.46	0.84	0.77	0.85	1.34	1.39	1.36
CRMS 0162	1.23	1.24	1.16	1.11	1.10	1.16	1.14	0.65	0.23	0.78	1.10	1.26

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.21	0.97	1.20	1.30	1.34	1.38	1.37	1.33	1.28	0.99	0.80
CRMS0276 - Just east of Wilkinson Canal	0.06	0.02	-0.01	0.03	-0.19	-0.02	0.01	0.03	0.04	0.02	0.02	0.06
Barataria Waterway at Lafitte (USACE82875)	0.03	0.02	0.03	0.01	0.01	0.04	0.11	0.07	-0.04	0.00	0.03	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.12	0.87	0.51	0.97	0.01	0.01	0.00	0.01	0.05	0.33	0.45
USGS7380251 Barataria Bay North of Grand Isle	-0.04	0.12	0.26	0.50	0.60	0.00	-0.07	-0.02	0.00	0.00	-0.05	-0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.20	0.47	0.41	0.82	-0.01	-0.02	-0.01	0.00	-0.01	0.13	0.08
USGS 07380335 - Little Lake Near Cutoff	0.07	0.16	0.22	0.26	0.56	-0.05	-0.06	0.02	0.02	0.03	0.10	0.06
USGS073802516 Barataria Pass at Grand Isle	0.04	0.16	0.21	0.28	0.26	-0.02	0.00	0.01	0.04	0.01	0.07	-0.02
HWQ14 - Lake Washington	-0.04	0.12	0.11	0.30	0.21	0.02	0.01	0.06	0.05	0.05	0.03	-0.13
HWQ16 - Bayou Grand Liard	0.07	0.06	0.01	0.08	-0.04	0.01	0.02	0.00	0.10	0.12	0.07	0.05
CRMS 3985	-0.10	-0.06	-0.27	0.34	0.22	0.00	-0.22	-0.13	0.00	-0.03	-0.36	-0.54
CRMS 0258	0.08	0.05	0.20	0.05	-0.10	-0.04	0.00	-0.01	-0.01	0.00	-0.02	0.22
CRMS 0224	0.06	0.11	0.34	0.18	0.27	-0.03	0.00	-0.02	-0.01	-0.08	0.04	0.17
CRMS 0163	0.01	0.03	0.03	0.01	0.01	0.03	0.20	0.09	0.07	0.02	0.02	0.01
CRMS 0162	0.01	0.02	0.00	0.05	0.04	0.03	0.05	0.03	0.00	0.04	0.02	0.02

Figure WQ NO3 183 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.15	0.34	0.07	0.00	0.00	0.01	0.00	0.04	0.00	0.22	0.45
CRMS0276 - Just east of Wilkinson Canal	1.07	1.34	1.31	1.26	1.14	0.93	0.52	0.44	0.96	0.66	0.84	1.04
Barataria Waterway at Lafitte (USACE82875)	1.29	1.29	1.39	1.37	1.40	1.38	1.38	1.25	1.46	1.26	1.22	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.21	0.32	0.16	0.01	0.00	0.00	0.00	0.04	0.00	0.23	0.52
USGS7380251 Barataria Bay North of Grand Isle	1.01	1.11	0.51	0.08	0.01	0.03	0.13	0.10	0.16	0.08	0.36	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.16	0.55	0.23	0.04	0.06	0.09	0.10	0.14	0.06	0.30	0.59
USGS 07380335 - Little Lake Near Cutoff	0.89	1.19	0.70	0.42	0.18	0.21	0.24	0.30	0.37	0.22	0.40	0.68
USGS073802516 Barataria Pass at Grand Isle	0.87	1.13	0.55	0.22	0.04	0.06	0.09	0.17	0.16	0.04	0.26	0.54
HWQ14 - Lake Washington	0.91	1.07	0.41	0.07	0.01	0.04	0.13	0.13	0.15	0.04	0.20	0.45
HWQ16 - Bayou Grand Liard	0.85	1.15	0.97	0.81	0.65	0.65	0.57	0.55	0.53	0.36	0.43	0.61
CRMS 3985	1.08	1.11	0.65	0.13	0.04	0.10	0.34	0.35	0.34	0.29	0.59	0.95
CRMS 0258	1.05	1.32	0.79	0.62	0.14	0.11	0.01	0.01	0.32	0.02	0.49	0.93
CRMS 0224	0.96	1.26	0.65	0.46	0.11	0.09	0.02	0.01	0.24	0.04	0.38	0.79
CRMS 0163	1.27	1.20	1.29	1.28	1.35	1.40	1.39	1.32	1.45	1.31	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.15	1.11	1.32	1.43	1.38	1.09	0.99	0.88	1.12

V3PR6 HYST - cy 4 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.23	1.28	1.32	1.32	1.32	1.30	1.36	1.31
CRMS0276 - Just east of Wilkinson Canal	1.20	1.35	1.36	1.14	0.89	0.78	0.74	0.59	1.05	0.74	0.89	1.08
Barataria Waterway at Lafitte (USACE82875)	1.30	1.31	1.40	1.38	1.34	1.31	1.26	1.12	1.54	1.33	1.27	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.15	1.21	1.21	1.23	1.26	1.29	0.67	0.03	0.08	0.80	1.07
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.18	1.26	1.15	1.10	1.05	0.99	0.36	0.12	0.08	0.46	0.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.18	1.27	1.19	1.16	1.18	1.24	0.69	0.16	0.06	0.54	0.94
USGS 07380335 - Little Lake Near Cutoff	1.22	1.25	1.34	1.18	1.01	1.02	1.12	0.79	0.43	0.21	0.56	0.89
USGS073802516 Barataria Pass at Grand Isle	1.21	1.28	1.31	0.89	0.69	0.54	0.70	0.50	0.27	0.09	0.43	0.76
HWQ14 - Lake Washington	1.17	1.26	1.25	0.74	0.59	0.54	0.58	0.45	0.21	0.10	0.37	0.79
HWQ16 - Bayou Grand Liard	1.01	1.29	1.19	0.96	0.74	0.74	0.68	0.63	0.60	0.42	0.49	0.70
CRMS 3985	1.22	1.25	1.27	0.94	0.80	0.58	0.48	0.28	0.23	0.21	0.52	1.03
CRMS 0258	1.27	1.25	1.35	1.14	0.74	0.55	0.74	0.05	0.29	0.03	0.68	1.10
CRMS 0224	1.24	1.21	1.32	1.19	0.93	1.00	1.25	0.56	0.21	0.06	0.61	1.01
CRMS 0163	1.28	1.22	1.30	1.28	1.35	1.39	1.32	1.22	1.50	1.35	1.34	1.37
CRMS 0162	1.25	1.20	1.20	1.14	1.11	1.33	1.46	1.40	1.11	1.01	0.88	1.11

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.01	0.89	1.15	1.23	1.27	1.31	1.31	1.29	1.30	1.14	0.86
CRMS0276 - Just east of Wilkinson Canal	0.13	0.01	0.05	-0.13	-0.24	-0.16	0.22	0.14	0.10	0.08	0.05	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.01	0.01	-0.05	-0.08	-0.12	-0.13	0.08	0.06	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	-0.05	0.89	1.04	1.22	1.26	1.29	0.66	-0.02	0.08	0.57	0.55
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.07	0.74	1.07	1.09	1.02	0.85	0.27	-0.04	0.00	0.10	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.02	0.72	0.97	1.12	1.13	1.15	0.58	0.02	0.00	0.24	0.35
USGS 07380335 - Little Lake Near Cutoff	0.33	0.05	0.64	0.76	0.84	0.81	0.87	0.49	0.06	-0.01	0.16	0.21
USGS073802516 Barataria Pass at Grand Isle	0.34	0.16	0.76	0.67	0.64	0.48	0.61	0.33	0.11	0.05	0.18	0.22
HWQ14 - Lake Washington	0.27	0.19	0.83	0.67	0.58	0.50	0.45	0.33	0.07	0.06	0.17	0.34
HWQ16 - Bayou Grand Liard	0.16	0.14	0.22	0.14	0.09	0.09	0.11	0.08	0.08	0.06	0.06	0.09
CRMS 3985	0.14	0.14	0.62	0.81	0.76	0.48	0.13	-0.07	-0.12	-0.08	-0.07	0.08
CRMS 0258	0.22	-0.07	0.56	0.52	0.60	0.44	0.73	0.05	-0.04	0.01	0.19	0.18
CRMS 0224	0.28	-0.05	0.67	0.73	0.83	0.91	1.23	0.55	-0.02	0.03	0.23	0.23
CRMS 0163	0.01	0.01	0.01	0.00	0.00	-0.01	-0.07	-0.10	0.05	0.04	0.00	0.00
CRMS 0162	0.00	0.00	-0.02	0.00	0.00	0.00	0.03	0.03	0.02	0.02	0.00	-0.02

Figure WQ NO3 184 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.03	0.49	0.21	0.01	0.00	0.00	0.00	0.03	0.00	0.20	0.46
CRMS0276 - Just east of Wilkinson Canal	1.17	1.25	1.30	1.33	1.27	0.66	0.35	0.36	0.85	0.57	0.75	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.45	1.35	1.36	1.23	1.24	1.24	0.95	1.41	1.10	1.14	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.12	0.54	0.34	0.06	0.00	0.00	0.00	0.02	0.00	0.22	0.54
USGS7380251 Barataria Bay North of Grand Isle	0.99	0.95	0.66	0.17	0.01	0.02	0.06	0.06	0.12	0.07	0.31	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.07	0.62	0.36	0.08	0.06	0.08	0.10	0.12	0.05	0.20	0.63
USGS 07380335 - Little Lake Near Cutoff	0.99	1.09	0.82	0.59	0.35	0.20	0.21	0.29	0.32	0.19	0.24	0.78
USGS073802516 Barataria Pass at Grand Isle	0.95	1.04	0.53	0.37	0.15	0.06	0.06	0.16	0.13	0.04	0.17	0.62
HWQ14 - Lake Washington	0.93	0.97	0.39	0.13	0.01	0.03	0.08	0.07	0.12	0.03	0.16	0.44
HWQ16 - Bayou Grand Liard	0.92	0.99	0.90	0.93	0.87	0.63	0.57	0.44	0.49	0.31	0.28	0.79
CRMS 3985	1.00	0.93	0.88	0.19	0.04	0.06	0.13	0.22	0.30	0.25	0.52	0.92
CRMS 0258	1.16	1.25	1.03	0.74	0.35	0.08	0.01	0.00	0.24	0.01	0.50	1.04
CRMS 0224	1.06	1.18	0.84	0.64	0.31	0.06	0.01	0.01	0.19	0.03	0.33	0.85
CRMS 0163	1.36	1.40	1.26	1.27	1.12	1.28	1.36	1.05	1.42	1.24	1.33	1.26
CRMS 0162	1.26	1.13	1.18	1.16	1.08	1.26	1.45	1.38	1.00	0.75	0.91	1.23

V3PR6 HYST - cy 4 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.20	1.19	1.05	1.18	1.31	1.30	1.31	1.35	1.34	1.20
CRMS0276 - Just east of Wilkinson Canal	1.26	1.25	1.30	1.34	1.20	0.62	0.63	0.39	0.90	0.63	0.84	1.28
Barataria Waterway at Lafitte (USACE82875)	1.36	1.43	1.37	1.38	1.26	1.16	0.96	1.00	1.47	1.19	1.21	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.29	1.19	1.19	1.06	1.18	1.28	0.04	0.03	0.09	0.83	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.28	1.26	1.20	1.20	1.09	1.10	0.92	0.08	0.13	0.08	0.48	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.32	1.29	1.21	1.22	1.11	1.15	1.19	0.15	0.16	0.07	0.54	1.23
USGS 07380335 - Little Lake Near Cutoff	1.25	1.25	1.25	1.26	1.15	1.01	1.03	0.33	0.37	0.20	0.51	1.24
USGS073802516 Barataria Pass at Grand Isle	1.25	1.23	1.21	1.05	0.93	0.50	0.55	0.23	0.25	0.08	0.40	1.19
HWQ14 - Lake Washington	1.27	1.25	1.17	0.93	0.80	0.53	0.53	0.29	0.21	0.10	0.37	1.09
HWQ16 - Bayou Grand Liard	0.99	1.06	1.11	1.09	0.97	0.65	0.63	0.53	0.55	0.37	0.42	1.02
CRMS 3985	1.21	1.22	1.22	1.08	0.99	0.66	0.44	0.25	0.27	0.22	0.53	1.16
CRMS 0258	1.46	1.36	1.25	1.28	1.09	0.76	0.55	0.00	0.22	0.02	0.71	1.25
CRMS 0224	1.36	1.32	1.23	1.27	1.11	1.06	1.14	0.03	0.17	0.06	0.61	1.22
CRMS 0163	1.34	1.39	1.27	1.29	1.14	1.28	1.17	1.14	1.45	1.30	1.34	1.28
CRMS 0162	1.24	1.13	1.17	1.16	1.08	1.27	1.46	1.39	1.00	0.80	0.90	1.22

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.31	0.70	0.99	1.04	1.18	1.31	1.30	1.29	1.34	1.15	0.75
CRMS0276 - Just east of Wilkinson Canal	0.10	0.00	0.00	0.01	-0.07	-0.04	0.27	0.03	0.05	0.07	0.09	0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	0.02	0.02	0.03	-0.08	-0.28	0.05	0.06	0.10	0.07	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.17	0.65	0.85	1.00	1.18	1.28	0.04	0.01	0.09	0.61	0.65
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.31	0.54	1.03	1.08	1.08	0.86	0.01	0.01	0.01	0.17	0.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.22	0.59	0.86	1.03	1.10	1.11	0.05	0.04	0.02	0.34	0.60
USGS 07380335 - Little Lake Near Cutoff	0.26	0.16	0.43	0.67	0.80	0.82	0.81	0.04	0.05	0.01	0.27	0.46
USGS073802516 Barataria Pass at Grand Isle	0.30	0.19	0.69	0.68	0.78	0.44	0.49	0.06	0.11	0.04	0.22	0.57
HWQ14 - Lake Washington	0.33	0.28	0.78	0.80	0.78	0.49	0.45	0.22	0.09	0.07	0.20	0.65
HWQ16 - Bayou Grand Liard	0.06	0.07	0.22	0.16	0.11	0.02	0.06	0.09	0.07	0.06	0.13	0.23
CRMS 3985	0.21	0.29	0.35	0.89	0.96	0.60	0.31	0.03	-0.03	-0.03	0.01	0.23
CRMS 0258	0.29	0.11	0.22	0.54	0.73	0.68	0.54	0.00	-0.01	0.01	0.21	0.22
CRMS 0224	0.30	0.14	0.40	0.63	0.80	1.00	1.13	0.02	-0.02	0.03	0.28	0.37
CRMS 0163	-0.01	-0.01	0.01	0.01	0.02	0.00	-0.19	0.09	0.03	0.06	0.01	0.01
CRMS 0162	-0.02	0.00	-0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.04	-0.01	-0.01

Figure WQ NO3 185 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.12	0.46	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.20	0.45
CRMS0276 - Just east of Wilkinson Canal	1.00	1.29	1.34	1.28	0.93	0.82	0.58	0.40	0.93	0.85	0.78	0.96
Barataria Waterway at Lafitte (USACE82875)	1.27	1.37	1.32	1.22	1.31	1.34	1.32	1.00	1.47	1.27	1.09	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.99	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.51
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.10	0.67	0.14	0.02	0.03	0.06	0.07	0.13	0.08	0.32	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	1.09	0.69	0.36	0.04	0.05	0.10	0.11	0.13	0.07	0.28	0.54
USGS 07380335 - Little Lake Near Cutoff	0.82	1.10	0.89	0.60	0.18	0.18	0.30	0.31	0.36	0.28	0.39	0.61
USGS073802516 Barataria Pass at Grand Isle	0.80	1.05	0.65	0.37	0.07	0.04	0.10	0.17	0.15	0.06	0.23	0.48
HWQ14 - Lake Washington	0.88	1.03	0.50	0.13	0.01	0.03	0.09	0.08	0.13	0.05	0.17	0.43
HWQ16 - Bayou Grand Liard	0.73	1.04	1.04	0.94	0.65	0.59	0.68	0.51	0.54	0.47	0.42	0.53
CRMS 3985	1.08	1.13	0.86	0.16	0.04	0.07	0.14	0.21	0.30	0.26	0.50	0.91
CRMS 0258	1.03	1.26	0.97	0.72	0.13	0.02	0.01	0.00	0.32	0.07	0.48	0.88
CRMS 0224	0.91	1.18	0.80	0.61	0.10	0.03	0.02	0.01	0.26	0.07	0.35	0.74
CRMS 0163	1.29	1.31	1.23	1.13	1.23	1.37	1.36	1.16	1.43	1.33	1.31	1.40
CRMS 0162	1.26	1.23	1.19	1.09	1.16	1.32	1.42	1.38	1.16	1.14	0.84	1.03

V3PR7 HYST - cy 4 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.25	1.18	1.07	1.15	1.24	1.28	1.33	1.31	1.32	1.39	1.35
CRMS0276 - Just east of Wilkinson Canal	1.09	1.30	1.37	1.32	0.71	0.69	0.77	0.45	1.02	0.86	0.84	1.01
Barataria Waterway at Lafitte (USACE82875)	1.28	1.40	1.34	1.23	1.31	1.24	1.17	0.91	1.53	1.28	1.15	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.21	1.17	1.07	1.15	1.24	1.25	0.38	0.33	0.42	0.91	1.13
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.20	1.19	1.10	1.14	1.15	1.06	0.21	0.26	0.29	0.51	0.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.19	1.26	1.20	1.11	1.17	1.21	1.24	0.43	0.29	0.51	0.59	0.96
USGS 07380335 - Little Lake Near Cutoff	1.12	1.26	1.26	1.17	1.14	1.07	1.16	0.51	0.44	0.66	0.59	0.89
USGS073802516 Barataria Pass at Grand Isle	1.11	1.25	1.24	1.00	0.62	0.53	0.75	0.29	0.30	0.41	0.50	0.77
HWQ14 - Lake Washington	1.13	1.20	1.17	0.89	0.53	0.52	0.63	0.36	0.28	0.29	0.44	0.83
HWQ16 - Bayou Grand Liard	0.85	1.15	1.22	1.07	0.69	0.67	0.76	0.59	0.59	0.56	0.50	0.65
CRMS 3985	1.17	1.11	1.20	1.02	0.81	0.59	0.55	0.27	0.24	0.24	0.52	1.05
CRMS 0258	1.25	1.31	1.27	1.20	1.02	0.76	0.84	0.05	0.26	0.15	0.71	1.04
CRMS 0224	1.20	1.28	1.24	1.16	1.09	1.12	1.26	0.35	0.22	0.41	0.64	1.01
CRMS 0163	1.29	1.33	1.24	1.14	1.24	1.36	1.25	1.07	1.47	1.35	1.33	1.40
CRMS 0162	1.26	1.24	1.18	1.09	1.14	1.33	1.42	1.39	1.17	1.13	0.85	1.03

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.27	0.14	0.72	0.91	1.15	1.24	1.27	1.33	1.28	1.32	1.18	0.90
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	0.02	0.04	-0.21	-0.13	0.19	0.05	0.09	0.02	0.06	0.05
Barataria Waterway at Lafitte (USACE82875)	0.02	0.03	0.02	0.02	0.00	-0.10	-0.15	-0.09	0.06	0.01	0.06	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.05	0.74	0.78	1.15	1.23	1.24	0.37	0.30	0.42	0.69	0.62
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.10	0.52	0.95	1.13	1.13	1.00	0.14	0.13	0.20	0.19	0.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.34	0.17	0.52	0.75	1.13	1.16	1.13	0.33	0.16	0.43	0.31	0.41
USGS 07380335 - Little Lake Near Cutoff	0.30	0.16	0.37	0.56	0.96	0.89	0.86	0.21	0.08	0.37	0.21	0.28
USGS073802516 Barataria Pass at Grand Isle	0.30	0.20	0.60	0.63	0.55	0.48	0.65	0.11	0.15	0.35	0.27	0.28
HWQ14 - Lake Washington	0.25	0.17	0.67	0.76	0.52	0.49	0.55	0.27	0.15	0.24	0.27	0.40
HWQ16 - Bayou Grand Liard	0.12	0.11	0.19	0.13	0.04	0.08	0.08	0.07	0.05	0.09	0.08	0.12
CRMS 3985	0.09	-0.02	0.34	0.86	0.77	0.53	0.41	0.05	-0.06	-0.02	0.01	0.13
CRMS 0258	0.23	0.05	0.30	0.47	0.88	0.74	0.83	0.04	-0.06	0.09	0.23	0.16
CRMS 0224	0.29	0.09	0.43	0.55	1.00	1.08	1.23	0.34	-0.04	0.34	0.29	0.26
CRMS 0163	0.01	0.02	0.01	0.01	0.01	-0.01	-0.11	-0.10	0.04	0.01	0.02	0.00
CRMS 0162	0.00	0.02	-0.01	0.00	-0.01	0.01	0.00	0.01	0.01	-0.01	0.01	0.00

Figure WQ NO3 186 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.14	0.37	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.46
CRMS0276 - Just east of Wilkinson Canal	1.10	1.34	1.35	1.24	1.15	0.52	0.20	0.29	0.68	0.50	0.80	1.17
Barataria Waterway at Lafitte (USACE82875)	1.31	1.33	1.30	1.34	1.35	1.00	1.01	0.79	1.36	0.92	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	1.19	0.37	0.17	0.02	0.00	0.00	0.00	0.02	0.00	0.22	0.53
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.10	0.54	0.10	0.01	0.03	0.08	0.09	0.13	0.06	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.93	1.14	0.62	0.25	0.05	0.05	0.06	0.08	0.12	0.05	0.16	0.63
USGS 07380335 - Little Lake Near Cutoff	0.92	1.17	0.82	0.44	0.22	0.13	0.16	0.17	0.29	0.16	0.19	0.74
USGS073802516 Barataria Pass at Grand Isle	0.89	1.10	0.61	0.25	0.07	0.03	0.04	0.09	0.12	0.04	0.16	0.61
HWQ14 - Lake Washington	0.91	1.06	0.43	0.09	0.01	0.03	0.08	0.09	0.12	0.03	0.17	0.48
HWQ16 - Bayou Grand Liard	0.84	1.12	1.06	0.82	0.75	0.46	0.34	0.13	0.38	0.20	0.28	0.72
CRMS 3985	1.09	1.12	0.69	0.14	0.04	0.07	0.20	0.36	0.32	0.22	0.57	0.94
CRMS 0258	1.10	1.31	0.88	0.60	0.21	0.00	0.01	0.00	0.19	0.01	0.53	1.00
CRMS 0224	1.00	1.24	0.74	0.47	0.18	0.02	0.01	0.02	0.18	0.03	0.30	0.82
CRMS 0163	1.31	1.24	1.20	1.24	1.26	1.27	1.14	0.92	1.38	1.04	1.36	1.34
CRMS 0162	1.26	1.21	1.18	1.17	1.17	1.36	1.51	1.15	0.62	0.43	0.95	1.22

V3PR7 HYST - cy 4 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.32	1.32	1.35	1.33	1.32	1.35	1.27
CRMS0276 - Just east of Wilkinson Canal	1.19	1.34	1.38	1.14	0.91	0.42	0.19	0.32	0.69	0.53	0.89	1.21
Barataria Waterway at Lafitte (USACE82875)	1.33	1.35	1.32	1.36	1.37	0.94	1.05	0.89	1.40	0.99	1.29	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.18	1.15	1.17	1.17	0.38	0.08	0.03	0.07	0.15	0.85	1.16
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.20	1.18	1.18	1.17	0.21	0.08	0.07	0.14	0.08	0.39	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.21	1.18	1.20	1.20	0.31	0.05	0.06	0.13	0.03	0.46	1.03
USGS 07380335 - Little Lake Near Cutoff	1.19	1.27	1.25	1.23	1.19	0.27	0.10	0.17	0.31	0.14	0.49	1.02
USGS073802516 Barataria Pass at Grand Isle	1.14	1.28	1.27	0.95	0.76	0.17	0.05	0.14	0.21	0.06	0.35	0.79
HWQ14 - Lake Washington	1.08	1.23	1.23	0.80	0.65	0.19	0.15	0.15	0.20	0.09	0.28	0.58
HWQ16 - Bayou Grand Liard	0.95	1.25	1.25	0.99	0.84	0.52	0.36	0.17	0.43	0.29	0.44	0.80
CRMS 3985	1.08	1.23	1.24	1.00	0.89	0.25	0.21	0.22	0.32	0.24	0.29	0.57
CRMS 0258	1.32	1.27	1.25	1.25	1.08	0.01	0.01	0.00	0.15	0.01	0.66	1.23
CRMS 0224	1.27	1.24	1.21	1.24	1.14	0.08	0.01	0.02	0.13	0.02	0.56	1.16
CRMS 0163	1.32	1.26	1.21	1.26	1.27	1.21	1.21	1.06	1.41	1.14	1.38	1.35
CRMS 0162	1.27	1.21	1.17	1.16	1.17	1.37	1.51	1.17	0.74	0.48	0.96	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.05	0.78	1.09	1.17	1.32	1.32	1.34	1.31	1.32	1.14	0.81
CRMS0276 - Just east of Wilkinson Canal	0.09	0.01	0.03	-0.10	-0.24	-0.10	-0.01	0.03	0.01	0.03	0.09	0.04
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.02	0.02	0.01	-0.05	0.04	0.10	0.04	0.08	0.05	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	-0.01	0.78	1.00	1.15	0.38	0.08	0.03	0.05	0.14	0.62	0.63
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.10	0.64	1.08	1.16	0.19	0.00	-0.02	0.01	0.02	0.04	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.29	0.07	0.56	0.95	1.15	0.26	-0.01	-0.02	0.01	-0.01	0.29	0.40
USGS 07380335 - Little Lake Near Cutoff	0.28	0.10	0.42	0.79	0.97	0.14	-0.06	0.00	0.02	-0.02	0.30	0.28
USGS073802516 Barataria Pass at Grand Isle	0.26	0.17	0.66	0.69	0.69	0.15	0.01	0.05	0.09	0.02	0.20	0.18
HWQ14 - Lake Washington	0.17	0.17	0.79	0.71	0.64	0.16	0.07	0.06	0.08	0.07	0.11	0.10
HWQ16 - Bayou Grand Liard	0.11	0.13	0.19	0.16	0.09	0.06	0.02	0.04	0.05	0.09	0.16	0.08
CRMS 3985	-0.01	0.11	0.55	0.86	0.85	0.18	0.00	-0.14	0.00	0.03	-0.28	-0.38
CRMS 0258	0.22	-0.03	0.37	0.65	0.87	0.00	0.00	0.00	-0.04	0.00	0.14	0.24
CRMS 0224	0.27	0.00	0.47	0.77	0.96	0.06	0.00	0.00	-0.05	-0.01	0.26	0.33
CRMS 0163	0.01	0.01	0.01	0.01	0.01	-0.05	0.07	0.14	0.03	0.10	0.01	0.01
CRMS 0162	0.00	0.00	-0.01	-0.01	0.00	0.01	0.00	0.02	0.12	0.05	0.01	0.01

Figure WQ NO3 187 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.96	1.07	0.35	0.09	0.00	0.00	0.01	0.00	0.02	0.00	0.29	0.47
CRMS0276 - Just east of Wilkinson Canal	0.96	1.28	1.20	1.23	1.14	0.69	0.14	0.12	0.38	0.54	0.99	1.13
Barataria Waterway at Lafitte (USACE82875)	1.25	1.38	1.43	1.45	1.46	1.40	0.59	0.39	0.80	1.28	1.33	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.96	1.11	0.29	0.23	0.02	0.00	0.00	0.00	0.02	0.01	0.31	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.05	0.69	0.08	0.01	0.02	0.12	0.08	0.09	0.07	0.43	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.06	0.55	0.25	0.03	0.04	0.05	0.05	0.07	0.04	0.32	0.65
USGS 07380335 - Little Lake Near Cutoff	0.81	1.08	0.68	0.45	0.17	0.12	0.13	0.03	0.12	0.09	0.42	0.77
USGS073802516 Barataria Pass at Grand Isle	0.82	1.02	0.53	0.26	0.06	0.05	0.03	0.05	0.07	0.03	0.30	0.65
HWQ14 - Lake Washington	0.90	0.99	0.48	0.06	0.01	0.02	0.08	0.06	0.09	0.02	0.23	0.54
HWQ16 - Bayou Grand Liard	0.73	1.02	0.85	0.78	0.65	0.44	0.19	0.05	0.11	0.08	0.48	0.73
CRMS 3985	1.06	1.08	0.94	0.12	0.03	0.09	0.38	0.37	0.26	0.29	0.66	0.98
CRMS 0258	0.99	1.24	0.65	0.69	0.22	0.04	0.00	0.01	0.11	0.02	0.68	0.88
CRMS 0224	0.90	1.16	0.59	0.54	0.18	0.04	0.01	0.02	0.09	0.11	0.50	0.78
CRMS 0163	1.31	1.32	1.38	1.37	1.42	1.43	0.64	0.69	0.78	1.32	1.37	1.36
CRMS 0162	1.22	1.22	1.16	1.05	1.06	1.13	1.09	0.62	0.23	0.73	1.07	1.25

V3PR7 HYST - cy 4 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.28	1.32	1.28	1.30	1.34	1.40	1.40	1.35	1.27	1.28	1.29
CRMS0276 - Just east of Wilkinson Canal	0.98	1.30	1.19	1.26	0.95	0.67	0.15	0.17	0.43	0.56	1.02	1.19
Barataria Waterway at Lafitte (USACE82875)	1.28	1.40	1.47	1.45	1.46	1.44	0.72	0.50	0.79	1.28	1.37	1.44
USGS2928590900040000 Barataria Waterway South of Lafitte	1.09	1.23	1.17	0.78	0.87	0.05	0.09	0.03	0.05	0.12	0.72	1.02
USGS7380251 Barataria Bay North of Grand Isle	0.64	1.11	0.87	0.57	0.61	0.02	0.06	0.07	0.10	0.07	0.38	0.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.80	1.23	0.97	0.65	0.85	0.02	0.03	0.03	0.08	0.03	0.45	0.72
USGS 07380335 - Little Lake Near Cutoff	0.79	1.21	0.87	0.71	0.73	0.06	0.07	0.06	0.15	0.12	0.54	0.83
USGS073802516 Barataria Pass at Grand Isle	0.74	1.12	0.70	0.53	0.32	0.03	0.04	0.05	0.11	0.05	0.38	0.62
HWQ14 - Lake Washington	0.61	1.01	0.51	0.35	0.21	0.04	0.09	0.12	0.15	0.07	0.26	0.39
HWQ16 - Bayou Grand Liard	0.73	1.06	0.86	0.87	0.60	0.44	0.21	0.06	0.23	0.21	0.56	0.77
CRMS 3985	0.57	0.91	0.56	0.44	0.24	0.09	0.16	0.25	0.27	0.25	0.30	0.22
CRMS 0258	1.05	1.30	0.89	0.75	0.14	0.01	0.01	0.01	0.10	0.01	0.68	1.10
CRMS 0224	0.89	1.26	0.94	0.72	0.48	0.01	0.01	0.01	0.09	0.03	0.55	0.95
CRMS 0163	1.33	1.35	1.41	1.38	1.42	1.46	0.87	0.81	0.88	1.34	1.39	1.39
CRMS 0162	1.22	1.24	1.15	1.11	1.08	1.14	1.15	0.68	0.23	0.79	1.09	1.28

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.36	0.21	0.97	1.19	1.30	1.34	1.40	1.39	1.33	1.27	0.99	0.82
CRMS0276 - Just east of Wilkinson Canal	0.02	0.02	-0.01	0.03	-0.19	-0.02	0.01	0.05	0.05	0.03	0.03	0.05
Barataria Waterway at Lafitte (USACE82875)	0.03	0.03	0.03	0.01	0.00	0.04	0.13	0.11	-0.01	0.00	0.04	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.13	0.11	0.88	0.55	0.85	0.05	0.08	0.03	0.03	0.11	0.41	0.49
USGS7380251 Barataria Bay North of Grand Isle	-0.35	0.06	0.19	0.49	0.60	0.00	-0.07	-0.01	0.01	0.00	-0.04	-0.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.06	0.17	0.42	0.41	0.82	-0.01	-0.02	-0.01	0.00	-0.01	0.13	0.07
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.13	0.19	0.26	0.56	-0.06	-0.06	0.03	0.03	0.03	0.11	0.06
USGS073802516 Barataria Pass at Grand Isle	-0.08	0.10	0.17	0.27	0.26	-0.02	0.00	0.01	0.05	0.02	0.08	-0.03
HWQ14 - Lake Washington	-0.29	0.01	0.04	0.29	0.20	0.02	0.01	0.06	0.06	0.05	0.03	-0.15
HWQ16 - Bayou Grand Liard	0.01	0.04	0.00	0.08	-0.04	0.00	0.02	0.00	0.12	0.13	0.08	0.03
CRMS 3985	-0.49	-0.17	-0.38	0.33	0.21	0.00	-0.22	-0.12	0.01	-0.03	-0.36	-0.76
CRMS 0258	0.06	0.05	0.24	0.07	-0.08	-0.04	0.00	-0.01	-0.01	0.00	0.00	0.22
CRMS 0224	0.00	0.10	0.35	0.18	0.30	-0.03	0.00	-0.02	-0.01	-0.08	0.06	0.17
CRMS 0163	0.02	0.03	0.03	0.01	0.00	0.03	0.23	0.12	0.09	0.03	0.02	0.03
CRMS 0162	0.00	0.02	0.00	0.06	0.02	0.01	0.07	0.06	0.00	0.06	0.01	0.04

Figure WQ NO3 188 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.15	0.34	0.07	0.00	0.00	0.01	0.00	0.04	0.00	0.22	0.45
CRMS0276 - Just east of Wilkinson Canal	1.07	1.34	1.31	1.26	1.14	0.93	0.52	0.44	0.96	0.66	0.84	1.04
Barataria Waterway at Lafitte (USACE82875)	1.29	1.29	1.39	1.37	1.40	1.38	1.38	1.25	1.46	1.26	1.22	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.21	0.32	0.16	0.01	0.00	0.00	0.00	0.04	0.00	0.23	0.52
USGS7380251 Barataria Bay North of Grand Isle	1.01	1.11	0.51	0.08	0.01	0.03	0.13	0.10	0.16	0.08	0.36	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.16	0.55	0.23	0.04	0.06	0.09	0.10	0.14	0.06	0.30	0.59
USGS 07380335 - Little Lake Near Cutoff	0.89	1.19	0.70	0.42	0.18	0.21	0.24	0.30	0.37	0.22	0.40	0.68
USGS073802516 Barataria Pass at Grand Isle	0.87	1.13	0.55	0.22	0.04	0.06	0.09	0.17	0.16	0.04	0.26	0.54
HWQ14 - Lake Washington	0.91	1.07	0.41	0.07	0.01	0.04	0.13	0.13	0.15	0.04	0.20	0.45
HWQ16 - Bayou Grand Liard	0.85	1.15	0.97	0.81	0.65	0.65	0.57	0.55	0.53	0.36	0.43	0.61
CRMS 3985	1.08	1.11	0.65	0.13	0.04	0.10	0.34	0.35	0.34	0.29	0.59	0.95
CRMS 0258	1.05	1.32	0.79	0.62	0.14	0.11	0.01	0.01	0.32	0.02	0.49	0.93
CRMS 0224	0.96	1.26	0.65	0.46	0.11	0.09	0.02	0.01	0.24	0.04	0.38	0.79
CRMS 0163	1.27	1.20	1.29	1.28	1.35	1.40	1.39	1.32	1.45	1.31	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.15	1.11	1.32	1.43	1.38	1.09	0.99	0.88	1.12

V3PR7 HYST - cy 4 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.23	1.28	1.32	1.32	1.32	1.29	1.36	1.33
CRMS0276 - Just east of Wilkinson Canal	1.19	1.35	1.36	1.15	0.90	0.78	0.75	0.59	1.04	0.75	0.90	1.09
Barataria Waterway at Lafitte (USACE82875)	1.31	1.31	1.40	1.39	1.34	1.30	1.26	1.11	1.53	1.33	1.27	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.15	1.21	1.20	1.22	1.25	1.27	0.51	0.05	0.14	0.88	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.17	1.25	1.15	1.10	1.07	0.97	0.37	0.12	0.08	0.46	0.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.18	1.27	1.19	1.16	1.18	1.24	0.68	0.16	0.06	0.54	0.93
USGS 07380335 - Little Lake Near Cutoff	1.19	1.24	1.33	1.18	1.02	1.03	1.12	0.78	0.42	0.21	0.57	0.90
USGS073802516 Barataria Pass at Grand Isle	1.13	1.26	1.30	0.88	0.69	0.54	0.71	0.49	0.27	0.09	0.44	0.76
HWQ14 - Lake Washington	1.00	1.21	1.22	0.72	0.58	0.53	0.58	0.45	0.22	0.10	0.37	0.78
HWQ16 - Bayou Grand Liard	0.97	1.27	1.19	0.96	0.75	0.74	0.68	0.63	0.59	0.43	0.50	0.71
CRMS 3985	0.95	1.21	1.24	0.90	0.75	0.55	0.44	0.29	0.23	0.21	0.52	0.85
CRMS 0258	1.27	1.25	1.35	1.17	0.76	0.56	0.71	0.03	0.28	0.03	0.70	1.06
CRMS 0224	1.23	1.21	1.31	1.20	0.95	1.02	1.25	0.58	0.22	0.07	0.63	1.01
CRMS 0163	1.29	1.22	1.30	1.28	1.35	1.38	1.32	1.23	1.50	1.35	1.34	1.39
CRMS 0162	1.25	1.20	1.20	1.14	1.11	1.34	1.46	1.41	1.12	1.01	0.87	1.13

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.01	0.89	1.15	1.23	1.27	1.31	1.31	1.28	1.29	1.14	0.88
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	0.05	-0.11	-0.23	-0.15	0.23	0.15	0.09	0.09	0.06	0.05
Barataria Waterway at Lafitte (USACE82875)	0.02	0.03	0.01	0.01	-0.05	-0.09	-0.12	-0.13	0.07	0.06	0.05	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	-0.06	0.89	1.04	1.22	1.25	1.27	0.50	0.01	0.14	0.65	0.58
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.06	0.73	1.07	1.08	1.03	0.84	0.28	-0.04	0.00	0.10	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.30	0.02	0.72	0.97	1.12	1.13	1.15	0.57	0.02	0.00	0.24	0.35
USGS 07380335 - Little Lake Near Cutoff	0.29	0.05	0.64	0.76	0.84	0.81	0.88	0.48	0.06	-0.01	0.17	0.22
USGS073802516 Barataria Pass at Grand Isle	0.26	0.13	0.74	0.66	0.64	0.48	0.62	0.33	0.11	0.05	0.19	0.22
HWQ14 - Lake Washington	0.10	0.14	0.80	0.65	0.57	0.49	0.45	0.32	0.07	0.06	0.17	0.33
HWQ16 - Bayou Grand Liard	0.12	0.12	0.21	0.15	0.10	0.09	0.11	0.08	0.06	0.07	0.07	0.10
CRMS 3985	-0.13	0.09	0.58	0.76	0.71	0.45	0.10	-0.07	-0.12	-0.08	-0.06	-0.10
CRMS 0258	0.22	-0.07	0.57	0.55	0.62	0.45	0.70	0.02	-0.04	0.01	0.21	0.13
CRMS 0224	0.28	-0.06	0.67	0.74	0.84	0.93	1.24	0.57	-0.02	0.03	0.24	0.22
CRMS 0163	0.01	0.01	0.01	0.00	0.00	-0.01	-0.07	-0.09	0.05	0.04	0.00	0.02
CRMS 0162	0.00	0.00	-0.02	-0.01	0.00	0.01	0.03	0.03	0.03	0.02	-0.01	0.00

Figure WQ NO3 189 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.03	0.49	0.21	0.01	0.00	0.00	0.00	0.03	0.00	0.20	0.46
CRMS0276 - Just east of Wilkinson Canal	1.17	1.25	1.30	1.33	1.27	0.66	0.35	0.36	0.85	0.57	0.75	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.45	1.35	1.36	1.23	1.24	1.24	0.95	1.41	1.10	1.14	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.12	0.54	0.34	0.06	0.00	0.00	0.00	0.02	0.00	0.22	0.54
USGS7380251 Barataria Bay North of Grand Isle	0.99	0.95	0.66	0.17	0.01	0.02	0.06	0.06	0.12	0.07	0.31	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.07	0.62	0.36	0.08	0.06	0.08	0.10	0.12	0.05	0.20	0.63
USGS 07380335 - Little Lake Near Cutoff	0.99	1.09	0.82	0.59	0.35	0.20	0.21	0.29	0.32	0.19	0.24	0.78
USGS073802516 Barataria Pass at Grand Isle	0.95	1.04	0.53	0.37	0.15	0.06	0.06	0.16	0.13	0.04	0.17	0.62
HWQ14 - Lake Washington	0.93	0.97	0.39	0.13	0.01	0.03	0.08	0.07	0.12	0.03	0.16	0.44
HWQ16 - Bayou Grand Liard	0.92	0.99	0.90	0.93	0.87	0.63	0.57	0.44	0.49	0.31	0.28	0.79
CRMS 3985	1.00	0.93	0.88	0.19	0.04	0.06	0.13	0.22	0.30	0.25	0.52	0.92
CRMS 0258	1.16	1.25	1.03	0.74	0.35	0.08	0.01	0.00	0.24	0.01	0.50	1.04
CRMS 0224	1.06	1.18	0.84	0.64	0.31	0.06	0.01	0.01	0.19	0.03	0.33	0.85
CRMS 0163	1.36	1.40	1.26	1.27	1.12	1.28	1.36	1.05	1.42	1.24	1.33	1.26
CRMS 0162	1.26	1.13	1.18	1.16	1.08	1.26	1.45	1.38	1.00	0.75	0.91	1.23

V3PR7 HYST - cy 4 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.20	1.19	1.05	1.18	1.31	1.31	1.31	1.34	1.34	1.21
CRMS0276 - Just east of Wilkinson Canal	1.28	1.26	1.30	1.35	1.21	0.63	0.63	0.38	0.89	0.64	0.86	1.28
Barataria Waterway at Lafitte (USACE82875)	1.37	1.43	1.37	1.38	1.27	1.14	0.95	0.99	1.45	1.19	1.21	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.29	1.19	1.19	1.06	1.18	1.24	0.02	0.06	0.16	0.90	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.27	1.25	1.20	1.19	1.09	1.10	0.90	0.08	0.13	0.08	0.48	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.32	1.30	1.21	1.22	1.11	1.15	1.19	0.12	0.14	0.05	0.54	1.22
USGS 07380335 - Little Lake Near Cutoff	1.26	1.26	1.25	1.26	1.15	1.02	1.03	0.31	0.36	0.19	0.55	1.24
USGS073802516 Barataria Pass at Grand Isle	1.26	1.24	1.21	1.04	0.93	0.50	0.56	0.22	0.24	0.08	0.42	1.19
HWQ14 - Lake Washington	1.26	1.25	1.17	0.91	0.78	0.51	0.53	0.28	0.21	0.10	0.36	1.09
HWQ16 - Bayou Grand Liard	1.02	1.07	1.11	1.09	0.98	0.65	0.64	0.52	0.54	0.37	0.46	1.03
CRMS 3985	1.20	1.22	1.22	1.05	0.95	0.61	0.41	0.24	0.27	0.22	0.53	1.15
CRMS 0258	1.47	1.38	1.26	1.28	1.10	0.80	0.53	0.00	0.22	0.02	0.70	1.26
CRMS 0224	1.37	1.33	1.24	1.27	1.11	1.08	1.16	0.03	0.17	0.06	0.62	1.23
CRMS 0163	1.35	1.39	1.27	1.29	1.14	1.28	1.15	1.15	1.45	1.31	1.35	1.28
CRMS 0162	1.25	1.14	1.17	1.16	1.09	1.27	1.46	1.39	1.02	0.84	0.90	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.31	0.70	0.99	1.04	1.18	1.31	1.31	1.28	1.34	1.15	0.75
CRMS0276 - Just east of Wilkinson Canal	0.12	0.01	0.00	0.02	-0.06	-0.03	0.28	0.03	0.05	0.08	0.10	0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.02	0.02	0.02	0.03	-0.09	-0.29	0.05	0.05	0.09	0.07	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.17	0.64	0.85	1.00	1.17	1.23	0.02	0.04	0.15	0.68	0.65
USGS7380251 Barataria Bay North of Grand Isle	0.28	0.31	0.54	1.03	1.07	1.07	0.85	0.01	0.01	0.01	0.16	0.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.34	0.23	0.59	0.86	1.03	1.09	1.11	0.02	0.03	0.00	0.34	0.59
USGS 07380335 - Little Lake Near Cutoff	0.27	0.17	0.43	0.67	0.80	0.82	0.82	0.02	0.04	0.00	0.30	0.46
USGS073802516 Barataria Pass at Grand Isle	0.31	0.20	0.68	0.68	0.78	0.44	0.50	0.06	0.11	0.04	0.25	0.57
HWQ14 - Lake Washington	0.33	0.28	0.77	0.78	0.77	0.48	0.45	0.21	0.09	0.07	0.20	0.65
HWQ16 - Bayou Grand Liard	0.10	0.07	0.22	0.17	0.11	0.02	0.07	0.08	0.06	0.06	0.18	0.24
CRMS 3985	0.21	0.29	0.34	0.86	0.92	0.55	0.27	0.03	-0.03	-0.03	0.01	0.23
CRMS 0258	0.30	0.13	0.22	0.54	0.75	0.73	0.52	0.00	-0.02	0.01	0.20	0.22
CRMS 0224	0.31	0.15	0.40	0.63	0.80	1.01	1.14	0.02	-0.02	0.03	0.29	0.37
CRMS 0163	-0.01	-0.01	0.01	0.01	0.02	0.00	-0.21	0.10	0.03	0.06	0.01	0.01
CRMS 0162	-0.01	0.00	-0.01	0.00	0.01	0.00	0.00	0.02	0.02	0.09	-0.01	0.00

Figure WQ NO3 190 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.12	0.46	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.20	0.45
CRMS0276 - Just east of Wilkinson Canal	1.00	1.29	1.34	1.28	0.93	0.82	0.58	0.40	0.93	0.85	0.78	0.96
Barataria Waterway at Lafitte (USACE82875)	1.27	1.37	1.32	1.22	1.31	1.34	1.32	1.00	1.47	1.27	1.09	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.99	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.51
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.10	0.67	0.14	0.02	0.03	0.06	0.07	0.13	0.08	0.32	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	1.09	0.69	0.36	0.04	0.05	0.10	0.11	0.13	0.07	0.28	0.54
USGS 07380335 - Little Lake Near Cutoff	0.82	1.10	0.89	0.60	0.18	0.18	0.30	0.31	0.36	0.28	0.39	0.61
USGS073802516 Barataria Pass at Grand Isle	0.80	1.05	0.65	0.37	0.07	0.04	0.10	0.17	0.15	0.06	0.23	0.48
HWQ14 - Lake Washington	0.88	1.03	0.50	0.13	0.01	0.03	0.09	0.08	0.13	0.05	0.17	0.43
HWQ16 - Bayou Grand Liard	0.73	1.04	1.04	0.94	0.65	0.59	0.68	0.51	0.54	0.47	0.42	0.53
CRMS 3985	1.08	1.13	0.86	0.16	0.04	0.07	0.14	0.21	0.30	0.26	0.50	0.91
CRMS 0258	1.03	1.26	0.97	0.72	0.13	0.02	0.01	0.00	0.32	0.07	0.48	0.88
CRMS 0224	0.91	1.18	0.80	0.61	0.10	0.03	0.02	0.01	0.26	0.07	0.35	0.74
CRMS 0163	1.29	1.31	1.23	1.13	1.23	1.37	1.36	1.16	1.43	1.33	1.31	1.40
CRMS 0162	1.26	1.23	1.19	1.09	1.16	1.32	1.42	1.38	1.16	1.14	0.84	1.03

V3PR8 HYST - cy 4 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.24	1.18	1.07	1.15	1.24	1.28	1.33	1.30	1.32	1.38	1.35
CRMS0276 - Just east of Wilkinson Canal	1.07	1.28	1.36	1.33	0.71	0.65	0.79	0.44	0.95	0.82	0.83	0.96
Barataria Waterway at Lafitte (USACE82875)	1.29	1.40	1.38	1.28	1.21	1.03	0.94	0.66	1.52	1.24	1.17	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.16	1.19	1.17	1.07	1.15	1.24	1.25	0.30	0.30	0.37	0.81	1.11
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.24	1.20	1.10	1.14	1.15	1.04	0.20	0.26	0.29	0.51	1.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.25	1.21	1.11	1.18	1.22	1.25	0.45	0.29	0.51	0.59	0.96
USGS 07380335 - Little Lake Near Cutoff	1.12	1.25	1.27	1.17	1.14	1.07	1.16	0.50	0.42	0.66	0.59	0.87
USGS073802516 Barataria Pass at Grand Isle	1.11	1.25	1.27	1.00	0.60	0.51	0.74	0.29	0.30	0.41	0.50	0.76
HWQ14 - Lake Washington	1.14	1.24	1.22	0.91	0.53	0.51	0.60	0.34	0.27	0.28	0.44	0.84
HWQ16 - Bayou Grand Liard	0.84	1.14	1.23	1.07	0.68	0.65	0.74	0.57	0.56	0.54	0.48	0.59
CRMS 3985	1.19	1.24	1.25	1.05	0.81	0.59	0.54	0.27	0.25	0.24	0.51	1.05
CRMS 0258	1.24	1.28	1.26	1.19	1.08	0.87	0.93	0.05	0.23	0.15	0.69	1.12
CRMS 0224	1.20	1.26	1.23	1.15	1.12	1.15	1.27	0.37	0.20	0.42	0.64	1.01
CRMS 0163	1.29	1.32	1.24	1.14	1.25	1.34	1.19	0.99	1.47	1.35	1.33	1.40
CRMS 0162	1.26	1.23	1.19	1.09	1.15	1.33	1.42	1.39	1.17	1.13	0.86	1.04

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.26	0.12	0.72	0.91	1.15	1.24	1.28	1.32	1.27	1.32	1.18	0.90
CRMS0276 - Just east of Wilkinson Canal	0.07	-0.01	0.01	0.05	-0.22	-0.17	0.21	0.04	0.03	-0.02	0.05	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.02	0.03	0.05	0.06	-0.09	-0.31	-0.39	-0.33	0.05	-0.02	0.08	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.03	0.74	0.78	1.15	1.24	1.24	0.29	0.27	0.37	0.59	0.59
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.14	0.53	0.96	1.13	1.12	0.98	0.13	0.13	0.21	0.19	0.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.16	0.52	0.75	1.13	1.16	1.15	0.34	0.16	0.43	0.32	0.42
USGS 07380335 - Little Lake Near Cutoff	0.30	0.15	0.38	0.57	0.96	0.89	0.86	0.20	0.06	0.37	0.20	0.26
USGS073802516 Barataria Pass at Grand Isle	0.30	0.21	0.62	0.63	0.54	0.47	0.64	0.12	0.15	0.35	0.27	0.28
HWQ14 - Lake Washington	0.25	0.20	0.72	0.78	0.52	0.48	0.51	0.25	0.14	0.23	0.28	0.41
HWQ16 - Bayou Grand Liard	0.11	0.10	0.19	0.13	0.03	0.06	0.06	0.05	0.02	0.07	0.07	0.06
CRMS 3985	0.12	0.10	0.39	0.88	0.77	0.53	0.40	0.06	-0.06	-0.02	0.01	0.14
CRMS 0258	0.21	0.02	0.29	0.46	0.95	0.85	0.93	0.05	-0.08	0.09	0.21	0.24
CRMS 0224	0.29	0.08	0.43	0.55	1.02	1.12	1.24	0.36	-0.05	0.35	0.29	0.26
CRMS 0163	0.00	0.01	0.02	0.01	0.02	-0.03	-0.16	-0.17	0.04	0.01	0.02	0.00
CRMS 0162	0.00	0.01	-0.01	0.00	0.00	0.01	0.01	0.01	0.01	-0.01	0.02	0.01

Figure WQ NO3 191 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.14	0.37	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.46
CRMS0276 - Just east of Wilkinson Canal	1.10	1.34	1.35	1.24	1.15	0.52	0.20	0.29	0.68	0.50	0.80	1.17
Barataria Waterway at Lafitte (USACE82875)	1.31	1.33	1.30	1.34	1.35	1.00	1.01	0.79	1.36	0.92	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	1.19	0.37	0.17	0.02	0.00	0.00	0.00	0.02	0.00	0.22	0.53
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.10	0.54	0.10	0.01	0.03	0.08	0.09	0.13	0.06	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.93	1.14	0.62	0.25	0.05	0.05	0.06	0.08	0.12	0.05	0.16	0.63
USGS 07380335 - Little Lake Near Cutoff	0.92	1.17	0.82	0.44	0.22	0.13	0.16	0.17	0.29	0.16	0.19	0.74
USGS073802516 Barataria Pass at Grand Isle	0.89	1.10	0.61	0.25	0.07	0.03	0.04	0.09	0.12	0.04	0.16	0.61
HWQ14 - Lake Washington	0.91	1.06	0.43	0.09	0.01	0.03	0.08	0.09	0.12	0.03	0.17	0.48
HWQ16 - Bayou Grand Liard	0.84	1.12	1.06	0.82	0.75	0.46	0.34	0.13	0.38	0.20	0.28	0.72
CRMS 3985	1.09	1.12	0.69	0.14	0.04	0.07	0.20	0.36	0.32	0.22	0.57	0.94
CRMS 0258	1.10	1.31	0.88	0.60	0.21	0.00	0.01	0.00	0.19	0.01	0.53	1.00
CRMS 0224	1.00	1.24	0.74	0.47	0.18	0.02	0.01	0.02	0.18	0.03	0.30	0.82
CRMS 0163	1.31	1.24	1.20	1.24	1.26	1.27	1.14	0.92	1.38	1.04	1.36	1.34
CRMS 0162	1.26	1.21	1.18	1.17	1.17	1.36	1.51	1.15	0.62	0.43	0.95	1.22

V3PR8 HYST - cy 4 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.32	1.31	1.35	1.30	1.31	1.31	1.26
CRMS0276 - Just east of Wilkinson Canal	1.19	1.33	1.37	1.10	0.91	0.38	0.20	0.32	0.69	0.52	0.81	1.17
Barataria Waterway at Lafitte (USACE82875)	1.33	1.38	1.36	1.39	1.36	0.81	0.78	0.73	1.28	0.93	1.29	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.18	1.15	1.17	1.17	0.35	0.02	0.01	0.04	0.08	0.72	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.21	1.18	1.18	1.17	0.21	0.08	0.07	0.13	0.08	0.47	1.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.21	1.18	1.20	1.20	0.31	0.05	0.06	0.14	0.03	0.43	1.09
USGS 07380335 - Little Lake Near Cutoff	1.24	1.27	1.25	1.23	1.19	0.27	0.10	0.18	0.31	0.14	0.41	1.05
USGS073802516 Barataria Pass at Grand Isle	1.21	1.29	1.27	0.92	0.74	0.17	0.05	0.14	0.21	0.07	0.32	0.91
HWQ14 - Lake Washington	1.19	1.25	1.23	0.81	0.65	0.19	0.15	0.15	0.19	0.10	0.33	0.89
HWQ16 - Bayou Grand Liard	0.96	1.25	1.25	0.96	0.83	0.50	0.36	0.17	0.42	0.28	0.36	0.80
CRMS 3985	1.19	1.25	1.25	1.00	0.89	0.25	0.21	0.20	0.31	0.25	0.52	1.07
CRMS 0258	1.32	1.26	1.24	1.24	1.13	0.01	0.01	0.00	0.16	0.01	0.61	1.20
CRMS 0224	1.29	1.23	1.20	1.23	1.16	0.09	0.02	0.02	0.14	0.02	0.49	1.14
CRMS 0163	1.31	1.26	1.21	1.27	1.28	1.27	1.17	1.01	1.39	1.19	1.35	1.34
CRMS 0162	1.27	1.21	1.17	1.16	1.17	1.36	1.51	1.19	0.71	0.54	0.95	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.25	0.05	0.78	1.09	1.17	1.32	1.30	1.34	1.28	1.30	1.10	0.81
CRMS0276 - Just east of Wilkinson Canal	0.09	-0.01	0.02	-0.14	-0.24	-0.14	0.00	0.03	0.01	0.03	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.02	0.05	0.07	0.05	0.00	-0.18	-0.23	-0.06	-0.09	0.01	0.05	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	-0.01	0.79	1.00	1.15	0.35	0.01	0.00	0.02	0.07	0.49	0.60
USGS7380251 Barataria Bay North of Grand Isle	0.22	0.11	0.64	1.08	1.16	0.19	0.00	-0.03	0.01	0.03	0.13	0.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.07	0.56	0.95	1.15	0.27	-0.01	-0.02	0.02	-0.02	0.27	0.46
USGS 07380335 - Little Lake Near Cutoff	0.32	0.10	0.42	0.79	0.97	0.14	-0.06	0.01	0.02	-0.02	0.22	0.31
USGS073802516 Barataria Pass at Grand Isle	0.32	0.18	0.66	0.67	0.67	0.14	0.01	0.05	0.10	0.03	0.16	0.30
HWQ14 - Lake Washington	0.28	0.19	0.80	0.72	0.63	0.15	0.07	0.06	0.07	0.07	0.16	0.42
HWQ16 - Bayou Grand Liard	0.11	0.13	0.19	0.14	0.08	0.05	0.02	0.04	0.04	0.08	0.08	0.08
CRMS 3985	0.11	0.13	0.56	0.86	0.85	0.19	0.00	-0.16	-0.01	0.03	-0.05	0.13
CRMS 0258	0.22	-0.04	0.35	0.64	0.91	0.01	0.00	0.00	-0.03	0.00	0.08	0.20
CRMS 0224	0.29	-0.01	0.47	0.77	0.98	0.08	0.00	0.00	-0.03	-0.01	0.19	0.31
CRMS 0163	0.01	0.02	0.02	0.02	0.02	0.01	0.03	0.08	0.01	0.15	-0.01	0.01
CRMS 0162	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.04	0.09	0.11	0.00	0.01

Figure WQ NO3 192 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.96	1.07	0.35	0.09	0.00	0.00	0.01	0.00	0.02	0.00	0.29	0.47
CRMS0276 - Just east of Wilkinson Canal	0.96	1.28	1.20	1.23	1.14	0.69	0.14	0.12	0.38	0.54	0.99	1.13
Barataria Waterway at Lafitte (USACE82875)	1.25	1.38	1.43	1.45	1.46	1.40	0.59	0.39	0.80	1.28	1.33	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.96	1.11	0.29	0.23	0.02	0.00	0.00	0.00	0.02	0.01	0.31	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.05	0.69	0.08	0.01	0.02	0.12	0.08	0.09	0.07	0.43	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.06	0.55	0.25	0.03	0.04	0.05	0.05	0.07	0.04	0.32	0.65
USGS 07380335 - Little Lake Near Cutoff	0.81	1.08	0.68	0.45	0.17	0.12	0.13	0.03	0.12	0.09	0.42	0.77
USGS073802516 Barataria Pass at Grand Isle	0.82	1.02	0.53	0.26	0.06	0.05	0.03	0.05	0.07	0.03	0.30	0.65
HWQ14 - Lake Washington	0.90	0.99	0.48	0.06	0.01	0.02	0.08	0.06	0.09	0.02	0.23	0.54
HWQ16 - Bayou Grand Liard	0.73	1.02	0.85	0.78	0.65	0.44	0.19	0.05	0.11	0.08	0.48	0.73
CRMS 3985	1.06	1.08	0.94	0.12	0.03	0.09	0.38	0.37	0.26	0.29	0.66	0.98
CRMS 0258	0.99	1.24	0.65	0.69	0.22	0.04	0.00	0.01	0.11	0.02	0.68	0.88
CRMS 0224	0.90	1.16	0.59	0.54	0.18	0.04	0.01	0.02	0.09	0.11	0.50	0.78
CRMS 0163	1.31	1.32	1.38	1.37	1.42	1.43	0.64	0.69	0.78	1.32	1.37	1.36
CRMS 0162	1.22	1.22	1.16	1.05	1.06	1.13	1.09	0.62	0.23	0.73	1.07	1.25

V3PR8 HYST - cy 4 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.27	1.32	1.28	1.30	1.34	1.39	1.39	1.32	1.27	1.24	1.27
CRMS0276 - Just east of Wilkinson Canal	1.02	1.28	1.17	1.24	0.90	0.65	0.16	0.14	0.41	0.52	0.99	1.14
Barataria Waterway at Lafitte (USACE82875)	1.28	1.40	1.47	1.46	1.46	1.36	0.47	0.23	0.68	1.20	1.38	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.21	1.12	0.69	0.76	0.01	0.02	0.01	0.03	0.07	0.55	0.97
USGS7380251 Barataria Bay North of Grand Isle	1.11	1.22	1.10	0.60	0.61	0.03	0.06	0.06	0.10	0.07	0.47	0.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.27	1.07	0.68	0.89	0.02	0.03	0.03	0.08	0.03	0.45	0.92
USGS 07380335 - Little Lake Near Cutoff	0.95	1.24	0.93	0.73	0.75	0.06	0.07	0.06	0.13	0.11	0.53	0.91
USGS073802516 Barataria Pass at Grand Isle	0.95	1.21	0.79	0.56	0.35	0.03	0.04	0.05	0.11	0.04	0.37	0.76
HWQ14 - Lake Washington	1.03	1.17	0.79	0.42	0.25	0.05	0.10	0.12	0.15	0.07	0.31	0.76
HWQ16 - Bayou Grand Liard	0.81	1.09	0.86	0.86	0.59	0.43	0.21	0.05	0.19	0.14	0.52	0.76
CRMS 3985	1.12	1.18	0.99	0.49	0.25	0.10	0.17	0.24	0.27	0.26	0.53	1.00
CRMS 0258	1.10	1.29	0.87	0.74	0.14	0.00	0.01	0.01	0.09	0.02	0.70	1.13
CRMS 0224	1.03	1.27	0.97	0.72	0.50	0.01	0.01	0.01	0.09	0.04	0.57	1.01
CRMS 0163	1.33	1.34	1.41	1.38	1.42	1.45	0.83	0.74	0.81	1.33	1.37	1.36
CRMS 0162	1.23	1.23	1.17	1.12	1.09	1.14	1.18	0.69	0.23	0.82	1.09	1.27

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.37	0.20	0.97	1.19	1.30	1.34	1.39	1.39	1.31	1.26	0.95	0.80
CRMS0276 - Just east of Wilkinson Canal	0.06	0.00	-0.03	0.01	-0.24	-0.04	0.01	0.02	0.03	-0.02	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.03	0.03	0.04	0.01	0.01	-0.04	-0.12	-0.15	-0.12	-0.08	0.05	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.09	0.83	0.46	0.74	0.01	0.01	0.00	0.01	0.05	0.24	0.44
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.17	0.41	0.52	0.60	0.00	-0.07	-0.01	0.00	0.00	0.04	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.21	0.52	0.43	0.85	-0.02	-0.02	-0.01	0.00	-0.01	0.13	0.26
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.26	0.28	0.58	-0.06	-0.05	0.02	0.01	0.01	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.19	0.27	0.30	0.29	-0.02	0.00	0.01	0.05	0.01	0.07	0.11
HWQ14 - Lake Washington	0.14	0.18	0.32	0.35	0.23	0.02	0.02	0.06	0.06	0.05	0.08	0.21
HWQ16 - Bayou Grand Liard	0.08	0.06	0.01	0.08	-0.05	-0.01	0.02	0.00	0.08	0.06	0.04	0.03
CRMS 3985	0.06	0.10	0.05	0.37	0.23	0.01	-0.21	-0.13	0.01	-0.03	-0.13	0.02
CRMS 0258	0.11	0.04	0.22	0.05	-0.08	-0.04	0.00	-0.01	-0.02	0.00	0.02	0.25
CRMS 0224	0.13	0.11	0.38	0.18	0.33	-0.03	0.00	-0.02	-0.01	-0.07	0.07	0.23
CRMS 0163	0.01	0.02	0.03	0.01	0.00	0.03	0.19	0.05	0.03	0.01	0.00	0.00
CRMS 0162	0.02	0.01	0.02	0.06	0.03	0.01	0.10	0.07	0.00	0.09	0.01	0.02

Figure WQ NO3 193 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.15	0.34	0.07	0.00	0.00	0.01	0.00	0.04	0.00	0.22	0.45
CRMS0276 - Just east of Wilkinson Canal	1.07	1.34	1.31	1.26	1.14	0.93	0.52	0.44	0.96	0.66	0.84	1.04
Barataria Waterway at Lafitte (USACE82875)	1.29	1.29	1.39	1.37	1.40	1.38	1.38	1.25	1.46	1.26	1.22	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.21	0.32	0.16	0.01	0.00	0.00	0.00	0.04	0.00	0.23	0.52
USGS7380251 Barataria Bay North of Grand Isle	1.01	1.11	0.51	0.08	0.01	0.03	0.13	0.10	0.16	0.08	0.36	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.16	0.55	0.23	0.04	0.06	0.09	0.10	0.14	0.06	0.30	0.59
USGS 07380335 - Little Lake Near Cutoff	0.89	1.19	0.70	0.42	0.18	0.21	0.24	0.30	0.37	0.22	0.40	0.68
USGS073802516 Barataria Pass at Grand Isle	0.87	1.13	0.55	0.22	0.04	0.06	0.09	0.17	0.16	0.04	0.26	0.54
HWQ14 - Lake Washington	0.91	1.07	0.41	0.07	0.01	0.04	0.13	0.13	0.15	0.04	0.20	0.45
HWQ16 - Bayou Grand Liard	0.85	1.15	0.97	0.81	0.65	0.65	0.57	0.55	0.53	0.36	0.43	0.61
CRMS 3985	1.08	1.11	0.65	0.13	0.04	0.10	0.34	0.35	0.34	0.29	0.59	0.95
CRMS 0258	1.05	1.32	0.79	0.62	0.14	0.11	0.01	0.01	0.32	0.02	0.49	0.93
CRMS 0224	0.96	1.26	0.65	0.46	0.11	0.09	0.02	0.01	0.24	0.04	0.38	0.79
CRMS 0163	1.27	1.20	1.29	1.28	1.35	1.40	1.39	1.32	1.45	1.31	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.15	1.11	1.32	1.43	1.38	1.09	0.99	0.88	1.12

V3PR8 HYST - cy 4 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.23	1.28	1.32	1.31	1.30	1.28	1.35	1.31
CRMS0276 - Just east of Wilkinson Canal	1.18	1.34	1.34	1.10	0.86	0.76	0.76	0.59	1.01	0.73	0.88	1.06
Barataria Waterway at Lafitte (USACE82875)	1.30	1.34	1.43	1.40	1.33	1.20	1.01	0.88	1.52	1.28	1.29	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.15	1.21	1.20	1.22	1.25	1.26	0.34	0.03	0.07	0.77	1.06
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.18	1.26	1.16	1.10	1.07	0.96	0.36	0.12	0.08	0.47	0.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.18	1.27	1.20	1.17	1.20	1.26	0.69	0.15	0.06	0.54	0.94
USGS 07380335 - Little Lake Near Cutoff	1.22	1.24	1.34	1.18	1.02	1.03	1.12	0.78	0.40	0.21	0.57	0.90
USGS073802516 Barataria Pass at Grand Isle	1.20	1.28	1.31	0.87	0.68	0.53	0.70	0.49	0.26	0.09	0.44	0.77
HWQ14 - Lake Washington	1.16	1.25	1.24	0.73	0.59	0.52	0.54	0.41	0.21	0.10	0.38	0.80
HWQ16 - Bayou Grand Liard	0.98	1.28	1.18	0.94	0.73	0.72	0.66	0.61	0.58	0.42	0.49	0.70
CRMS 3985	1.20	1.25	1.27	0.91	0.77	0.55	0.43	0.28	0.23	0.21	0.52	1.01
CRMS 0258	1.27	1.24	1.34	1.16	0.82	0.60	0.68	0.01	0.27	0.03	0.69	1.13
CRMS 0224	1.24	1.20	1.30	1.19	0.97	1.05	1.27	0.59	0.20	0.06	0.62	1.02
CRMS 0163	1.28	1.22	1.30	1.28	1.34	1.37	1.27	1.14	1.49	1.35	1.34	1.38
CRMS 0162	1.25	1.20	1.20	1.15	1.11	1.34	1.46	1.41	1.14	1.01	0.86	1.12

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.01	0.89	1.15	1.23	1.27	1.31	1.31	1.26	1.28	1.13	0.85
CRMS0276 - Just east of Wilkinson Canal	0.11	0.00	0.03	-0.16	-0.28	-0.18	0.25	0.15	0.05	0.07	0.05	0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.06	0.04	0.03	-0.07	-0.18	-0.36	-0.37	0.06	0.02	0.07	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	-0.05	0.89	1.04	1.22	1.25	1.26	0.34	-0.01	0.07	0.53	0.55
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.07	0.74	1.07	1.08	1.03	0.83	0.26	-0.04	0.00	0.10	0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.32	0.02	0.72	0.97	1.14	1.14	1.17	0.58	0.01	0.00	0.24	0.35
USGS 07380335 - Little Lake Near Cutoff	0.32	0.05	0.64	0.76	0.84	0.82	0.88	0.47	0.04	-0.01	0.17	0.22
USGS073802516 Barataria Pass at Grand Isle	0.33	0.15	0.75	0.65	0.64	0.47	0.61	0.33	0.10	0.05	0.18	0.23
HWQ14 - Lake Washington	0.25	0.18	0.83	0.66	0.58	0.48	0.41	0.29	0.07	0.06	0.18	0.35
HWQ16 - Bayou Grand Liard	0.13	0.13	0.21	0.13	0.08	0.07	0.09	0.06	0.05	0.06	0.06	0.09
CRMS 3985	0.12	0.14	0.61	0.78	0.73	0.45	0.09	-0.07	-0.11	-0.07	-0.06	0.06
CRMS 0258	0.22	-0.09	0.56	0.54	0.68	0.49	0.67	0.01	-0.06	0.01	0.20	0.20
CRMS 0224	0.28	-0.06	0.66	0.73	0.86	0.96	1.25	0.58	-0.04	0.03	0.24	0.23
CRMS 0163	0.01	0.02	0.01	0.01	-0.01	-0.02	-0.11	-0.18	0.05	0.04	0.00	0.01
CRMS 0162	0.00	0.00	-0.01	0.00	0.00	0.02	0.03	0.03	0.05	0.03	-0.03	0.00

Figure WQ NO3 194 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.03	0.49	0.21	0.01	0.00	0.00	0.00	0.03	0.00	0.20	0.46
CRMS0276 - Just east of Wilkinson Canal	1.17	1.25	1.30	1.33	1.27	0.66	0.35	0.36	0.85	0.57	0.75	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.45	1.35	1.36	1.23	1.24	1.24	0.95	1.41	1.10	1.14	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.12	0.54	0.34	0.06	0.00	0.00	0.00	0.02	0.00	0.22	0.54
USGS7380251 Barataria Bay North of Grand Isle	0.99	0.95	0.66	0.17	0.01	0.02	0.06	0.06	0.12	0.07	0.31	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.07	0.62	0.36	0.08	0.06	0.08	0.10	0.12	0.05	0.20	0.63
USGS 07380335 - Little Lake Near Cutoff	0.99	1.09	0.82	0.59	0.35	0.20	0.21	0.29	0.32	0.19	0.24	0.78
USGS073802516 Barataria Pass at Grand Isle	0.95	1.04	0.53	0.37	0.15	0.06	0.06	0.16	0.13	0.04	0.17	0.62
HWQ14 - Lake Washington	0.93	0.97	0.39	0.13	0.01	0.03	0.08	0.07	0.12	0.03	0.16	0.44
HWQ16 - Bayou Grand Liard	0.92	0.99	0.90	0.93	0.87	0.63	0.57	0.44	0.49	0.31	0.28	0.79
CRMS 3985	1.00	0.93	0.88	0.19	0.04	0.06	0.13	0.22	0.30	0.25	0.52	0.92
CRMS 0258	1.16	1.25	1.03	0.74	0.35	0.08	0.01	0.00	0.24	0.01	0.50	1.04
CRMS 0224	1.06	1.18	0.84	0.64	0.31	0.06	0.01	0.01	0.19	0.03	0.33	0.85
CRMS 0163	1.36	1.40	1.26	1.27	1.12	1.28	1.36	1.05	1.42	1.24	1.33	1.26
CRMS 0162	1.26	1.13	1.18	1.16	1.08	1.26	1.45	1.38	1.00	0.75	0.91	1.23

V3PR8 HYST - cy 4 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.20	1.19	1.05	1.18	1.31	1.31	1.28	1.31	1.33	1.20
CRMS0276 - Just east of Wilkinson Canal	1.26	1.24	1.29	1.34	1.21	0.63	0.65	0.36	0.86	0.61	0.77	1.26
Barataria Waterway at Lafitte (USACE82875)	1.37	1.44	1.40	1.41	1.31	0.97	0.64	0.78	1.41	1.08	1.18	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.29	1.19	1.19	1.06	1.18	1.19	0.01	0.04	0.08	0.78	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.28	1.26	1.20	1.20	1.09	1.09	0.89	0.08	0.13	0.09	0.51	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.33	1.29	1.21	1.22	1.11	1.16	1.20	0.13	0.14	0.05	0.51	1.22
USGS 07380335 - Little Lake Near Cutoff	1.26	1.25	1.25	1.26	1.15	1.02	1.03	0.30	0.35	0.17	0.46	1.23
USGS073802516 Barataria Pass at Grand Isle	1.25	1.23	1.21	1.02	0.91	0.48	0.56	0.22	0.24	0.07	0.37	1.18
HWQ14 - Lake Washington	1.27	1.24	1.17	0.91	0.78	0.49	0.49	0.27	0.21	0.11	0.37	1.10
HWQ16 - Bayou Grand Liard	0.99	1.06	1.10	1.08	0.97	0.63	0.62	0.50	0.53	0.37	0.36	1.01
CRMS 3985	1.21	1.22	1.22	1.05	0.96	0.59	0.40	0.25	0.28	0.26	0.54	1.16
CRMS 0258	1.46	1.36	1.25	1.28	1.12	0.91	0.56	0.00	0.20	0.02	0.64	1.24
CRMS 0224	1.36	1.32	1.23	1.26	1.12	1.11	1.18	0.03	0.15	0.05	0.55	1.21
CRMS 0163	1.35	1.40	1.27	1.29	1.15	1.28	1.06	1.09	1.45	1.28	1.33	1.28
CRMS 0162	1.24	1.14	1.17	1.15	1.09	1.28	1.46	1.39	1.02	0.82	0.90	1.23

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.30	0.31	0.70	0.99	1.04	1.18	1.31	1.30	1.25	1.30	1.14	0.75
CRMS0276 - Just east of Wilkinson Canal	0.10	-0.01	-0.01	0.01	-0.06	-0.03	0.30	0.01	0.02	0.05	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	-0.01	0.04	0.05	0.08	-0.27	-0.60	-0.17	0.00	-0.01	0.04	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.17	0.64	0.85	1.00	1.18	1.19	0.00	0.01	0.08	0.56	0.65
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.31	0.55	1.03	1.08	1.06	0.83	0.01	0.01	0.02	0.20	0.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.34	0.22	0.59	0.86	1.03	1.10	1.13	0.03	0.02	0.00	0.30	0.59
USGS 07380335 - Little Lake Near Cutoff	0.27	0.16	0.43	0.67	0.80	0.82	0.82	0.01	0.03	-0.02	0.22	0.45
USGS073802516 Barataria Pass at Grand Isle	0.30	0.19	0.68	0.65	0.77	0.42	0.49	0.06	0.11	0.04	0.19	0.57
HWQ14 - Lake Washington	0.33	0.28	0.77	0.78	0.77	0.46	0.41	0.20	0.09	0.08	0.21	0.65
HWQ16 - Bayou Grand Liard	0.07	0.06	0.21	0.16	0.10	0.00	0.05	0.06	0.04	0.06	0.08	0.22
CRMS 3985	0.22	0.30	0.35	0.87	0.92	0.53	0.27	0.03	-0.03	0.01	0.02	0.24
CRMS 0258	0.29	0.11	0.22	0.54	0.76	0.83	0.56	0.00	-0.04	0.00	0.14	0.20
CRMS 0224	0.30	0.14	0.39	0.62	0.81	1.04	1.17	0.02	-0.03	0.02	0.22	0.36
CRMS 0163	0.00	-0.01	0.02	0.02	0.02	-0.01	-0.30	0.04	0.03	0.04	0.00	0.02
CRMS 0162	-0.02	0.01	-0.01	-0.01	0.01	0.01	0.01	0.02	0.02	0.07	-0.01	0.00

Figure WQ NO3 195 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.12	0.46	0.16	0.00	0.00	0.00	0.00	0.03	0.00	0.20	0.45
CRMS0276 - Just east of Wilkinson Canal	1.00	1.29	1.34	1.28	0.93	0.82	0.58	0.40	0.93	0.85	0.78	0.96
Barataria Waterway at Lafitte (USACE82875)	1.27	1.37	1.32	1.22	1.31	1.34	1.32	1.00	1.47	1.27	1.09	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	0.99	1.15	0.43	0.28	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.51
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.10	0.67	0.14	0.02	0.03	0.06	0.07	0.13	0.08	0.32	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.85	1.09	0.69	0.36	0.04	0.05	0.10	0.11	0.13	0.07	0.28	0.54
USGS 07380335 - Little Lake Near Cutoff	0.82	1.10	0.89	0.60	0.18	0.18	0.30	0.31	0.36	0.28	0.39	0.61
USGS073802516 Barataria Pass at Grand Isle	0.80	1.05	0.65	0.37	0.07	0.04	0.10	0.17	0.15	0.06	0.23	0.48
HWQ14 - Lake Washington	0.88	1.03	0.50	0.13	0.01	0.03	0.09	0.08	0.13	0.05	0.17	0.43
HWQ16 - Bayou Grand Liard	0.73	1.04	1.04	0.94	0.65	0.59	0.68	0.51	0.54	0.47	0.42	0.53
CRMS 3985	1.08	1.13	0.86	0.16	0.04	0.07	0.14	0.21	0.30	0.26	0.50	0.91
CRMS 0258	1.03	1.26	0.97	0.72	0.13	0.02	0.01	0.00	0.32	0.07	0.48	0.88
CRMS 0224	0.91	1.18	0.80	0.61	0.10	0.03	0.02	0.01	0.26	0.07	0.35	0.74
CRMS 0163	1.29	1.31	1.23	1.13	1.23	1.37	1.36	1.16	1.43	1.33	1.31	1.40
CRMS 0162	1.26	1.23	1.19	1.09	1.16	1.32	1.42	1.38	1.16	1.14	0.84	1.03

V3PR9 HYST - cy 4 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.94	1.08	0.46	0.14	0.00	0.00	0.00	0.00	0.03	0.00	0.21	0.41
CRMS0276 - Just east of Wilkinson Canal	0.96	1.27	1.33	1.28	0.84	0.73	0.51	0.37	0.89	0.77	0.69	0.79
Barataria Waterway at Lafitte (USACE82875)	1.27	1.39	1.37	1.27	1.27	1.17	1.24	0.74	1.42	1.14	1.00	1.32
USGS2928590900040000 Barataria Waterway South of Lafitte	0.93	1.12	0.42	0.27	0.00	0.00	0.00	0.00	0.03	0.00	0.22	0.47
USGS7380251 Barataria Bay North of Grand Isle	0.94	1.06	0.66	0.13	0.01	0.02	0.06	0.06	0.13	0.09	0.35	0.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.79	1.06	0.64	0.34	0.04	0.05	0.10	0.11	0.12	0.07	0.26	0.46
USGS 07380335 - Little Lake Near Cutoff	0.77	1.07	0.85	0.59	0.18	0.17	0.29	0.32	0.35	0.28	0.32	0.46
USGS073802516 Barataria Pass at Grand Isle	0.75	1.02	0.61	0.35	0.06	0.04	0.09	0.18	0.15	0.06	0.21	0.40
HWQ14 - Lake Washington	0.82	0.99	0.50	0.12	0.01	0.03	0.08	0.08	0.13	0.05	0.21	0.40
HWQ16 - Bayou Grand Liard	0.73	1.03	1.01	0.92	0.63	0.54	0.64	0.48	0.51	0.43	0.34	0.38
CRMS 3985	1.02	1.09	0.85	0.15	0.04	0.06	0.14	0.22	0.30	0.27	0.58	0.77
CRMS 0258	0.96	1.23	0.92	0.71	0.11	0.03	0.01	0.00	0.29	0.06	0.41	0.77
CRMS 0224	0.84	1.15	0.76	0.59	0.08	0.03	0.02	0.01	0.23	0.06	0.33	0.58
CRMS 0163	1.28	1.31	1.24	1.13	1.23	1.37	1.33	1.06	1.43	1.31	1.28	1.40
CRMS 0162	1.27	1.23	1.20	1.10	1.16	1.33	1.42	1.38	1.15	1.10	0.86	1.04

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.04	0.00	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.02	-0.02	0.00	-0.09	-0.09	-0.07	-0.03	-0.04	-0.07	-0.09	-0.17
Barataria Waterway at Lafitte (USACE82875)	0.00	0.02	0.04	0.06	-0.04	-0.17	-0.08	-0.25	-0.05	-0.12	-0.10	-0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.04	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.06	-0.04	-0.01	-0.02	0.00	0.00	0.00	0.00	-0.01	0.00	0.03	-0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.06	-0.03	-0.04	-0.02	0.00	0.00	-0.01	0.00	-0.01	-0.01	-0.02	-0.08
USGS 07380335 - Little Lake Near Cutoff	-0.05	-0.03	-0.04	-0.01	0.00	-0.01	-0.01	0.01	-0.01	-0.01	-0.06	-0.15
USGS073802516 Barataria Pass at Grand Isle	-0.05	-0.03	-0.04	-0.02	0.00	0.00	-0.01	0.01	0.00	0.00	-0.02	-0.08
HWQ14 - Lake Washington	-0.06	-0.04	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.04	-0.03
HWQ16 - Bayou Grand Liard	0.00	-0.01	-0.02	-0.02	-0.02	-0.05	-0.03	-0.04	-0.02	-0.04	-0.08	-0.15
CRMS 3985	-0.06	-0.04	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.08	-0.14
CRMS 0258	-0.07	-0.03	-0.05	-0.02	-0.02	0.01	0.00	0.00	-0.03	-0.01	-0.06	-0.11
CRMS 0224	-0.07	-0.03	-0.04	-0.02	-0.01	0.00	0.00	0.00	-0.03	-0.01	-0.02	-0.16
CRMS 0163	-0.01	0.01	0.01	0.01	0.00	0.00	-0.03	-0.10	0.00	-0.02	-0.03	0.00
CRMS 0162	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	-0.01	-0.04	0.02	0.01

Figure WQ NO3 196 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.14	0.37	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.21	0.46
CRMS0276 - Just east of Wilkinson Canal	1.10	1.34	1.35	1.24	1.15	0.52	0.20	0.29	0.68	0.50	0.80	1.17
Barataria Waterway at Lafitte (USACE82875)	1.31	1.33	1.30	1.34	1.35	1.00	1.01	0.79	1.36	0.92	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.03	1.19	0.37	0.17	0.02	0.00	0.00	0.00	0.02	0.00	0.22	0.53
USGS7380251 Barataria Bay North of Grand Isle	1.02	1.10	0.54	0.10	0.01	0.03	0.08	0.09	0.13	0.06	0.34	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.93	1.14	0.62	0.25	0.05	0.05	0.06	0.08	0.12	0.05	0.16	0.63
USGS 07380335 - Little Lake Near Cutoff	0.92	1.17	0.82	0.44	0.22	0.13	0.16	0.17	0.29	0.16	0.19	0.74
USGS073802516 Barataria Pass at Grand Isle	0.89	1.10	0.61	0.25	0.07	0.03	0.04	0.09	0.12	0.04	0.16	0.61
HWQ14 - Lake Washington	0.91	1.06	0.43	0.09	0.01	0.03	0.08	0.09	0.12	0.03	0.17	0.48
HWQ16 - Bayou Grand Liard	0.84	1.12	1.06	0.82	0.75	0.46	0.34	0.13	0.38	0.20	0.28	0.72
CRMS 3985	1.09	1.12	0.69	0.14	0.04	0.07	0.20	0.36	0.32	0.22	0.57	0.94
CRMS 0258	1.10	1.31	0.88	0.60	0.21	0.00	0.01	0.00	0.19	0.01	0.53	1.00
CRMS 0224	1.00	1.24	0.74	0.47	0.18	0.02	0.01	0.02	0.18	0.03	0.30	0.82
CRMS 0163	1.31	1.24	1.20	1.24	1.26	1.27	1.14	0.92	1.38	1.04	1.36	1.34
CRMS 0162	1.26	1.21	1.18	1.17	1.17	1.36	1.51	1.15	0.62	0.43	0.95	1.22

V3PR9 HYST - cy 4 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.10	0.36	0.08	0.00	0.00	0.00	0.00	0.02	0.00	0.18	0.44
CRMS0276 - Just east of Wilkinson Canal	1.08	1.32	1.34	1.19	1.10	0.45	0.20	0.27	0.63	0.40	0.57	1.13
Barataria Waterway at Lafitte (USACE82875)	1.32	1.36	1.35	1.39	1.38	0.77	0.63	0.48	1.06	0.79	1.21	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.01	1.15	0.35	0.16	0.02	0.00	0.00	0.00	0.03	0.00	0.15	0.48
USGS7380251 Barataria Bay North of Grand Isle	0.98	1.06	0.54	0.09	0.01	0.02	0.08	0.09	0.12	0.06	0.34	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.91	1.10	0.57	0.23	0.04	0.05	0.06	0.07	0.11	0.05	0.10	0.57
USGS 07380335 - Little Lake Near Cutoff	0.91	1.14	0.78	0.41	0.21	0.13	0.16	0.16	0.25	0.14	0.09	0.67
USGS073802516 Barataria Pass at Grand Isle	0.88	1.07	0.57	0.22	0.07	0.03	0.04	0.08	0.11	0.03	0.11	0.56
HWQ14 - Lake Washington	0.89	1.01	0.43	0.08	0.01	0.03	0.08	0.10	0.12	0.03	0.17	0.47
HWQ16 - Bayou Grand Liard	0.84	1.09	1.02	0.80	0.72	0.44	0.32	0.10	0.31	0.14	0.19	0.66
CRMS 3985	1.02	1.07	0.72	0.13	0.03	0.06	0.21	0.36	0.33	0.23	0.58	0.92
CRMS 0258	1.10	1.28	0.85	0.57	0.20	0.01	0.01	0.01	0.17	0.03	0.23	0.98
CRMS 0224	0.98	1.21	0.69	0.43	0.16	0.02	0.01	0.02	0.15	0.06	0.12	0.75
CRMS 0163	1.31	1.25	1.21	1.25	1.26	1.23	1.02	0.83	1.34	1.02	1.34	1.34
CRMS 0162	1.27	1.21	1.18	1.17	1.17	1.35	1.50	1.13	0.61	0.42	0.95	1.22

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.04	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.02	-0.01	-0.05	-0.05	-0.06	0.00	-0.02	-0.04	-0.10	-0.23	-0.04
Barataria Waterway at Lafitte (USACE82875)	0.00	0.04	0.05	0.05	0.02	-0.23	-0.38	-0.31	-0.30	-0.13	-0.03	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.04	-0.02	-0.01	0.00	0.00	0.00	0.00	0.01	0.00	-0.07	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.04	-0.05	-0.02	-0.01	0.00	0.00	0.00	-0.01	0.00	-0.06	-0.06
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.03	-0.04	-0.02	-0.01	0.00	-0.01	-0.01	-0.04	-0.02	-0.10	-0.07
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	-0.04	-0.03	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.05	-0.05
HWQ14 - Lake Washington	-0.02	-0.05	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.00	-0.03	-0.04	-0.03	-0.03	-0.02	-0.02	-0.03	-0.07	-0.07	-0.09	-0.05
CRMS 3985	-0.06	-0.04	0.03	-0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.01	-0.02
CRMS 0258	-0.01	-0.03	-0.03	-0.03	-0.02	0.00	0.00	0.00	-0.01	0.02	-0.29	-0.01
CRMS 0224	-0.01	-0.03	-0.04	-0.03	-0.01	0.00	0.00	0.00	-0.03	0.03	-0.18	-0.07
CRMS 0163	0.00	0.01	0.01	0.01	0.01	-0.03	-0.11	-0.09	-0.04	-0.02	-0.03	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	0.01	0.00

Figure WQ NO3 197 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.96	1.07	0.35	0.09	0.00	0.00	0.01	0.00	0.02	0.00	0.29	0.47
CRMS0276 - Just east of Wilkinson Canal	0.96	1.28	1.20	1.23	1.14	0.69	0.14	0.12	0.38	0.54	0.99	1.13
Barataria Waterway at Lafitte (USACE82875)	1.25	1.38	1.43	1.45	1.46	1.40	0.59	0.39	0.80	1.28	1.33	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	0.96	1.11	0.29	0.23	0.02	0.00	0.00	0.00	0.02	0.01	0.31	0.53
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.05	0.69	0.08	0.01	0.02	0.12	0.08	0.09	0.07	0.43	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.06	0.55	0.25	0.03	0.04	0.05	0.05	0.07	0.04	0.32	0.65
USGS 07380335 - Little Lake Near Cutoff	0.81	1.08	0.68	0.45	0.17	0.12	0.13	0.03	0.12	0.09	0.42	0.77
USGS073802516 Barataria Pass at Grand Isle	0.82	1.02	0.53	0.26	0.06	0.05	0.03	0.05	0.07	0.03	0.30	0.65
HWQ14 - Lake Washington	0.90	0.99	0.48	0.06	0.01	0.02	0.08	0.06	0.09	0.02	0.23	0.54
HWQ16 - Bayou Grand Liard	0.73	1.02	0.85	0.78	0.65	0.44	0.19	0.05	0.11	0.08	0.48	0.73
CRMS 3985	1.06	1.08	0.94	0.12	0.03	0.09	0.38	0.37	0.26	0.29	0.66	0.98
CRMS 0258	0.99	1.24	0.65	0.69	0.22	0.04	0.00	0.01	0.11	0.02	0.68	0.88
CRMS 0224	0.90	1.16	0.59	0.54	0.18	0.04	0.01	0.02	0.09	0.11	0.50	0.78
CRMS 0163	1.31	1.32	1.38	1.37	1.42	1.43	0.64	0.69	0.78	1.32	1.37	1.36
CRMS 0162	1.22	1.22	1.16	1.05	1.06	1.13	1.09	0.62	0.23	0.73	1.07	1.25

V3PR9 HYST - cy 4 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.94	1.05	0.37	0.09	0.00	0.00	0.00	0.00	0.02	0.00	0.29	0.46
CRMS0276 - Just east of Wilkinson Canal	0.96	1.25	1.19	1.19	1.08	0.69	0.16	0.09	0.35	0.44	0.93	1.12
Barataria Waterway at Lafitte (USACE82875)	1.26	1.39	1.43	1.45	1.45	1.29	0.31	0.14	0.69	1.13	1.34	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	0.95	1.09	0.32	0.21	0.01	0.00	0.00	0.00	0.02	0.01	0.32	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.03	0.69	0.12	0.03	0.03	0.13	0.08	0.10	0.07	0.40	0.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.04	0.53	0.25	0.03	0.04	0.05	0.05	0.08	0.04	0.30	0.64
USGS 07380335 - Little Lake Near Cutoff	0.83	1.06	0.68	0.45	0.16	0.12	0.13	0.03	0.12	0.07	0.38	0.77
USGS073802516 Barataria Pass at Grand Isle	0.82	1.00	0.51	0.27	0.05	0.05	0.03	0.04	0.07	0.03	0.28	0.65
HWQ14 - Lake Washington	0.88	0.98	0.49	0.09	0.02	0.02	0.10	0.08	0.10	0.02	0.23	0.53
HWQ16 - Bayou Grand Liard	0.76	1.00	0.84	0.77	0.60	0.42	0.17	0.05	0.10	0.06	0.43	0.73
CRMS 3985	1.04	1.06	0.96	0.23	0.11	0.11	0.39	0.39	0.27	0.28	0.61	0.93
CRMS 0258	0.99	1.21	0.66	0.64	0.19	0.03	0.00	0.01	0.13	0.08	0.72	0.90
CRMS 0224	0.90	1.13	0.60	0.50	0.15	0.04	0.01	0.02	0.09	0.11	0.46	0.79
CRMS 0163	1.31	1.32	1.38	1.38	1.41	1.42	0.55	0.58	0.76	1.30	1.36	1.36
CRMS 0162	1.23	1.22	1.15	1.10	1.06	1.09	1.08	0.62	0.22	0.73	1.08	1.26

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.03	-0.02	-0.03	-0.06	0.00	0.01	-0.03	-0.03	-0.10	-0.06	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	0.00	0.00	-0.12	-0.28	-0.24	-0.11	-0.15	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	0.03	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	-0.03	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	-0.02	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.02	-0.05	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.00	-0.02	0.00
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.02	0.00	0.00	0.01	0.02	0.01	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.03	-0.02	-0.01	-0.01	-0.04	-0.01	-0.02	0.00	-0.01	-0.02	-0.05	0.00
CRMS 3985	-0.01	-0.01	0.02	0.11	0.09	0.02	0.01	0.02	0.01	0.00	-0.05	-0.05
CRMS 0258	-0.01	-0.03	0.01	-0.05	-0.04	-0.01	0.00	0.00	0.02	0.06	0.04	0.02
CRMS 0224	0.00	-0.03	0.01	-0.04	-0.03	0.00	0.00	0.00	0.00	0.00	-0.04	0.01
CRMS 0163	0.00	0.00	0.00	0.01	-0.01	-0.01	-0.09	-0.11	-0.02	-0.02	-0.01	0.01
CRMS 0162	0.01	0.00	0.00	0.04	0.00	-0.05	-0.01	0.00	-0.01	0.00	0.01	0.01

Figure WQ NO3 198 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.15	0.34	0.07	0.00	0.00	0.01	0.00	0.04	0.00	0.22	0.45
CRMS0276 - Just east of Wilkinson Canal	1.07	1.34	1.31	1.26	1.14	0.93	0.52	0.44	0.96	0.66	0.84	1.04
Barataria Waterway at Lafitte (USACE82875)	1.29	1.29	1.39	1.37	1.40	1.38	1.38	1.25	1.46	1.26	1.22	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.00	1.21	0.32	0.16	0.01	0.00	0.00	0.00	0.04	0.00	0.23	0.52
USGS7380251 Barataria Bay North of Grand Isle	1.01	1.11	0.51	0.08	0.01	0.03	0.13	0.10	0.16	0.08	0.36	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.90	1.16	0.55	0.23	0.04	0.06	0.09	0.10	0.14	0.06	0.30	0.59
USGS 07380335 - Little Lake Near Cutoff	0.89	1.19	0.70	0.42	0.18	0.21	0.24	0.30	0.37	0.22	0.40	0.68
USGS073802516 Barataria Pass at Grand Isle	0.87	1.13	0.55	0.22	0.04	0.06	0.09	0.17	0.16	0.04	0.26	0.54
HWQ14 - Lake Washington	0.91	1.07	0.41	0.07	0.01	0.04	0.13	0.13	0.15	0.04	0.20	0.45
HWQ16 - Bayou Grand Liard	0.85	1.15	0.97	0.81	0.65	0.65	0.57	0.55	0.53	0.36	0.43	0.61
CRMS 3985	1.08	1.11	0.65	0.13	0.04	0.10	0.34	0.35	0.34	0.29	0.59	0.95
CRMS 0258	1.05	1.32	0.79	0.62	0.14	0.11	0.01	0.01	0.32	0.02	0.49	0.93
CRMS 0224	0.96	1.26	0.65	0.46	0.11	0.09	0.02	0.01	0.24	0.04	0.38	0.79
CRMS 0163	1.27	1.20	1.29	1.28	1.35	1.40	1.39	1.32	1.45	1.31	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.15	1.11	1.32	1.43	1.38	1.09	0.99	0.88	1.12

V3PR9 HYST - cy 4 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.97	1.11	0.31	0.05	0.00	0.00	0.01	0.00	0.04	0.00	0.22	0.43
CRMS0276 - Just east of Wilkinson Canal	1.02	1.33	1.28	1.23	1.08	0.91	0.43	0.41	0.90	0.64	0.75	0.97
Barataria Waterway at Lafitte (USACE82875)	1.29	1.33	1.43	1.41	1.38	1.35	1.31	1.08	1.41	1.16	1.21	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	1.16	0.29	0.14	0.00	0.00	0.00	0.00	0.04	0.00	0.23	0.48
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.06	0.48	0.07	0.01	0.03	0.13	0.09	0.15	0.08	0.36	0.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.87	1.12	0.51	0.20	0.03	0.05	0.08	0.10	0.13	0.05	0.28	0.52
USGS 07380335 - Little Lake Near Cutoff	0.86	1.16	0.67	0.41	0.17	0.21	0.23	0.30	0.35	0.22	0.36	0.59
USGS073802516 Barataria Pass at Grand Isle	0.83	1.09	0.53	0.20	0.04	0.06	0.08	0.17	0.15	0.04	0.24	0.49
HWQ14 - Lake Washington	0.88	1.02	0.38	0.06	0.01	0.03	0.13	0.12	0.15	0.04	0.21	0.45
HWQ16 - Bayou Grand Liard	0.81	1.13	0.97	0.80	0.62	0.62	0.54	0.50	0.49	0.35	0.37	0.51
CRMS 3985	1.02	1.06	0.62	0.12	0.03	0.10	0.35	0.34	0.34	0.29	0.59	0.94
CRMS 0258	1.02	1.29	0.74	0.57	0.11	0.10	0.01	0.01	0.28	0.02	0.45	0.81
CRMS 0224	0.92	1.23	0.61	0.42	0.09	0.08	0.02	0.01	0.21	0.04	0.37	0.63
CRMS 0163	1.27	1.21	1.30	1.28	1.35	1.40	1.37	1.24	1.44	1.31	1.32	1.37
CRMS 0162	1.25	1.20	1.22	1.16	1.11	1.33	1.43	1.38	1.09	0.97	0.88	1.09

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.03	-0.05	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.01	-0.03	-0.03	-0.06	-0.03	-0.08	-0.03	-0.06	-0.02	-0.08	-0.07
Barataria Waterway at Lafitte (USACE82875)	0.00	0.04	0.04	0.04	-0.01	-0.04	-0.07	-0.17	-0.05	-0.10	-0.01	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.04	-0.03	-0.02	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.04	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.04	-0.04	-0.02	0.00	0.00	-0.01	0.00	-0.01	0.00	-0.02	-0.06
USGS 07380335 - Little Lake Near Cutoff	-0.04	-0.04	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	-0.02	0.00	-0.04	-0.09
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.04	-0.03	-0.02	0.00	0.00	-0.01	0.00	-0.01	0.00	-0.01	-0.05
HWQ14 - Lake Washington	-0.03	-0.05	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
HWQ16 - Bayou Grand Liard	-0.04	-0.02	-0.01	-0.02	-0.03	-0.03	-0.04	-0.05	-0.04	-0.01	-0.05	-0.10
CRMS 3985	-0.06	-0.05	-0.04	-0.01	0.00	0.00	0.01	-0.01	0.00	0.00	0.00	-0.02
CRMS 0258	-0.03	-0.03	-0.05	-0.05	-0.04	-0.01	0.00	0.00	-0.04	0.00	-0.04	-0.11
CRMS 0224	-0.03	-0.04	-0.03	-0.04	-0.02	-0.01	0.00	0.00	-0.03	0.00	-0.01	-0.15
CRMS 0163	0.00	0.01	0.01	0.00	0.00	0.00	-0.02	-0.08	-0.01	-0.01	-0.02	0.00
CRMS 0162	0.00	0.00	0.01	0.01	-0.01	0.01	0.00	0.00	0.00	-0.02	0.00	-0.04

Figure WQ NO3 199 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.02	1.03	0.49	0.21	0.01	0.00	0.00	0.00	0.03	0.00	0.20	0.46
CRMS0276 - Just east of Wilkinson Canal	1.17	1.25	1.30	1.33	1.27	0.66	0.35	0.36	0.85	0.57	0.75	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.45	1.35	1.36	1.23	1.24	1.24	0.95	1.41	1.10	1.14	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	1.05	1.12	0.54	0.34	0.06	0.00	0.00	0.00	0.02	0.00	0.22	0.54
USGS7380251 Barataria Bay North of Grand Isle	0.99	0.95	0.66	0.17	0.01	0.02	0.06	0.06	0.12	0.07	0.31	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.98	1.07	0.62	0.36	0.08	0.06	0.08	0.10	0.12	0.05	0.20	0.63
USGS 07380335 - Little Lake Near Cutoff	0.99	1.09	0.82	0.59	0.35	0.20	0.21	0.29	0.32	0.19	0.24	0.78
USGS073802516 Barataria Pass at Grand Isle	0.95	1.04	0.53	0.37	0.15	0.06	0.06	0.16	0.13	0.04	0.17	0.62
HWQ14 - Lake Washington	0.93	0.97	0.39	0.13	0.01	0.03	0.08	0.07	0.12	0.03	0.16	0.44
HWQ16 - Bayou Grand Liard	0.92	0.99	0.90	0.93	0.87	0.63	0.57	0.44	0.49	0.31	0.28	0.79
CRMS 3985	1.00	0.93	0.88	0.19	0.04	0.06	0.13	0.22	0.30	0.25	0.52	0.92
CRMS 0258	1.16	1.25	1.03	0.74	0.35	0.08	0.01	0.00	0.24	0.01	0.50	1.04
CRMS 0224	1.06	1.18	0.84	0.64	0.31	0.06	0.01	0.01	0.19	0.03	0.33	0.85
CRMS 0163	1.36	1.40	1.26	1.27	1.12	1.28	1.36	1.05	1.42	1.24	1.33	1.26
CRMS 0162	1.26	1.13	1.18	1.16	1.08	1.26	1.45	1.38	1.00	0.75	0.91	1.23

V3PR9 HYST - cy 4 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.00	1.07	0.60	0.23	0.01	0.00	0.00	0.00	0.03	0.00	0.17	0.44
CRMS0276 - Just east of Wilkinson Canal	1.12	1.20	1.27	1.31	1.25	0.64	0.32	0.35	0.82	0.48	0.47	1.21
Barataria Waterway at Lafitte (USACE82875)	1.34	1.43	1.39	1.40	1.30	1.07	0.99	0.71	1.26	0.96	1.07	1.38
USGS2928590900040000 Barataria Waterway South of Lafitte	1.04	1.12	0.63	0.34	0.05	0.00	0.00	0.00	0.02	0.00	0.16	0.49
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.06	0.77	0.19	0.02	0.02	0.06	0.06	0.12	0.07	0.31	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.95	1.06	0.68	0.37	0.08	0.06	0.07	0.10	0.12	0.05	0.11	0.56
USGS 07380335 - Little Lake Near Cutoff	0.94	1.06	0.86	0.59	0.35	0.20	0.21	0.29	0.32	0.20	0.08	0.68
USGS073802516 Barataria Pass at Grand Isle	0.91	1.02	0.58	0.38	0.14	0.06	0.06	0.16	0.14	0.04	0.11	0.56
HWQ14 - Lake Washington	0.91	1.01	0.51	0.14	0.01	0.03	0.08	0.08	0.12	0.04	0.17	0.44
HWQ16 - Bayou Grand Liard	0.85	0.97	0.85	0.91	0.84	0.61	0.54	0.41	0.47	0.28	0.15	0.71
CRMS 3985	1.04	1.09	0.97	0.21	0.04	0.06	0.14	0.22	0.30	0.25	0.53	0.91
CRMS 0258	1.14	1.21	1.09	0.71	0.33	0.07	0.01	0.00	0.21	0.02	0.26	0.98
CRMS 0224	1.03	1.14	0.88	0.62	0.29	0.06	0.01	0.01	0.18	0.04	0.15	0.74
CRMS 0163	1.34	1.40	1.27	1.28	1.13	1.29	1.31	1.00	1.40	1.21	1.31	1.27
CRMS 0162	1.24	1.14	1.19	1.16	1.07	1.27	1.45	1.38	0.99	0.73	0.91	1.22

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.04	0.10	0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.04	-0.03	-0.02	-0.02	-0.02	-0.03	-0.01	-0.03	-0.09	-0.28	-0.05
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.02	0.03	0.04	0.07	-0.17	-0.25	-0.24	-0.15	-0.14	-0.07	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.00	0.09	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	-0.07	-0.05
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.11	0.11	0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.01	0.06	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.10	-0.07
USGS 07380335 - Little Lake Near Cutoff	-0.05	-0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.16	-0.10
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.02	0.05	0.01	-0.01	0.00	0.00	0.00	0.00	0.01	-0.07	-0.06
HWQ14 - Lake Washington	-0.02	0.04	0.12	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01
HWQ16 - Bayou Grand Liard	-0.07	-0.03	-0.05	-0.02	-0.03	-0.02	-0.03	-0.03	-0.02	-0.03	-0.14	-0.08
CRMS 3985	0.04	0.17	0.10	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0258	-0.02	-0.04	0.06	-0.02	-0.02	0.00	0.00	0.00	-0.03	0.01	-0.24	-0.06
CRMS 0224	-0.03	-0.04	0.04	-0.02	-0.02	0.00	0.00	0.00	-0.01	0.01	-0.18	-0.11
CRMS 0163	-0.02	-0.01	0.01	0.01	0.01	0.00	-0.05	-0.05	-0.02	-0.04	-0.03	0.01
CRMS 0162	-0.01	0.01	0.01	0.00	-0.01	0.00	0.00	0.01	-0.01	-0.02	0.00	0.00

Figure WQ NO3 200 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.99	1.15	0.58	0.37	0.01	0.00	0.01	0.00	0.04	0.00	0.18	0.47
CRMS0276 - Just east of Wilkinson Canal	0.97	1.27	1.33	1.30	1.15	0.97	0.69	0.41	0.95	0.83	0.81	0.92
Barataria Waterway at Lafitte (USACE82875)	1.23	1.36	1.30	1.19	1.30	1.42	1.41	1.21	1.44	1.27	1.19	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	1.18	0.60	0.51	0.04	0.00	0.00	0.00	0.11	0.02	0.20	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.13	0.73	0.32	0.02	0.03	0.06	0.05	0.11	0.05	0.26	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	1.10	0.80	0.50	0.08	0.07	0.12	0.12	0.19	0.11	0.30	0.56
USGS 07380335 - Little Lake Near Cutoff	0.78	1.10	0.99	0.73	0.28	0.24	0.34	0.33	0.40	0.35	0.40	0.59
USGS073802516 Barataria Pass at Grand Isle	0.77	1.05	0.75	0.48	0.12	0.07	0.13	0.21	0.18	0.12	0.27	0.50
HWQ14 - Lake Washington	0.87	1.07	0.62	0.28	0.03	0.04	0.09	0.07	0.10	0.03	0.18	0.43
HWQ16 - Bayou Grand Liard	0.70	1.01	1.03	0.96	0.70	0.60	0.64	0.43	0.50	0.44	0.40	0.49
CRMS 3985	1.05	1.15	0.86	0.32	0.04	0.06	0.11	0.16	0.26	0.18	0.41	0.78
CRMS 0258	0.98	1.27	1.06	0.92	0.26	0.11	0.01	0.03	0.50	0.24	0.47	0.78
CRMS 0224	0.87	1.20	0.90	0.79	0.22	0.09	0.03	0.02	0.38	0.16	0.37	0.72
CRMS 0163	1.27	1.31	1.23	1.13	1.24	1.38	1.39	1.22	1.40	1.28	1.29	1.35
CRMS 0162	1.24	1.19	1.18	1.09	1.17	1.32	1.42	1.35	1.10	1.03	0.82	0.98

V3PR2 HYST - cy 5 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.23	1.18	1.07	1.15	1.24	1.28	1.30	1.26	1.29	1.35	1.33
CRMS0276 - Just east of Wilkinson Canal	0.99	1.26	1.33	1.31	0.86	0.73	0.39	0.39	0.81	0.61	0.59	0.73
Barataria Waterway at Lafitte (USACE82875)	1.22	1.36	1.31	1.21	1.32	1.38	1.30	1.08	1.27	1.05	1.12	1.15
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.23	1.16	1.07	1.15	1.24	1.21	0.31	0.13	0.36	0.63	0.92
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.28	1.27	0.89	0.44	0.26	0.33	0.11	0.26	0.17	0.30	0.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.00	1.25	1.30	0.95	0.36	0.16	0.23	0.14	0.24	0.24	0.23	0.63
USGS 07380335 - Little Lake Near Cutoff	0.89	1.21	1.30	0.98	0.40	0.27	0.39	0.36	0.42	0.42	0.20	0.59
USGS073802516 Barataria Pass at Grand Isle	0.91	1.19	1.22	0.67	0.23	0.10	0.17	0.16	0.23	0.19	0.17	0.50
HWQ14 - Lake Washington	1.03	1.24	1.19	0.55	0.21	0.14	0.26	0.20	0.20	0.14	0.19	0.53
HWQ16 - Bayou Grand Liard	0.76	1.07	1.09	0.97	0.58	0.47	0.47	0.41	0.45	0.37	0.19	0.43
CRMS 3985	1.14	1.26	1.25	0.66	0.24	0.15	0.22	0.18	0.30	0.21	0.32	0.83
CRMS 0258	1.12	1.32	1.35	1.11	0.31	0.13	0.16	0.03	0.46	0.23	0.45	0.79
CRMS 0224	1.04	1.29	1.34	1.10	0.38	0.20	0.22	0.07	0.36	0.24	0.32	0.73
CRMS 0163	1.25	1.30	1.24	1.14	1.25	1.37	1.30	1.13	1.24	1.04	1.26	1.14
CRMS 0162	1.20	1.15	1.18	1.09	1.14	1.30	1.42	1.24	0.79	0.76	0.84	0.93

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.27	0.09	0.59	0.69	1.14	1.23	1.27	1.29	1.22	1.28	1.17	0.86
CRMS0276 - Just east of Wilkinson Canal	0.02	-0.01	0.00	0.01	-0.28	-0.24	-0.30	-0.02	-0.14	-0.21	-0.22	-0.19
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.01	0.02	0.02	0.02	-0.04	-0.10	-0.13	-0.17	-0.22	-0.07	-0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.05	0.56	0.56	1.11	1.24	1.21	0.31	0.02	0.34	0.43	0.41
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.15	0.54	0.57	0.43	0.23	0.27	0.06	0.15	0.13	0.04	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.15	0.50	0.45	0.28	0.09	0.10	0.02	0.05	0.13	-0.06	0.06
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.31	0.25	0.12	0.03	0.05	0.03	0.02	0.07	-0.20	0.00
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.47	0.19	0.11	0.03	0.04	-0.05	0.05	0.07	-0.10	0.00
HWQ14 - Lake Washington	0.16	0.17	0.57	0.27	0.18	0.10	0.17	0.13	0.10	0.10	0.01	0.10
HWQ16 - Bayou Grand Liard	0.05	0.05	0.06	0.01	-0.12	-0.14	-0.17	-0.02	-0.05	-0.07	-0.21	-0.06
CRMS 3985	0.09	0.11	0.38	0.34	0.20	0.10	0.11	0.01	0.04	0.03	-0.09	0.04
CRMS 0258	0.14	0.05	0.29	0.18	0.05	0.02	0.15	0.00	-0.04	-0.01	-0.02	0.01
CRMS 0224	0.17	0.09	0.43	0.31	0.16	0.11	0.19	0.05	-0.02	0.09	-0.05	0.02
CRMS 0163	-0.02	0.00	0.01	0.01	0.02	-0.01	-0.09	-0.09	-0.16	-0.24	-0.04	-0.21
CRMS 0162	-0.04	-0.05	0.00	0.00	-0.03	-0.02	0.01	-0.11	-0.31	-0.27	0.02	-0.05

Figure WQ NO3 201 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.37	0.71	0.36	0.02	0.01	0.01	0.00	0.07	0.00	0.27	0.70
CRMS0276 - Just east of Wilkinson Canal	1.16	1.36	1.38	1.32	1.34	0.71	0.31	0.41	0.73	0.44	0.75	1.18
Barataria Waterway at Lafitte (USACE82875)	1.31	1.32	1.28	1.32	1.35	1.24	1.25	1.04	1.27	0.99	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.39	0.74	0.46	0.09	0.01	0.01	0.00	0.12	0.03	0.26	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.34	0.83	0.41	0.04	0.06	0.13	0.14	0.20	0.06	0.39	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.31	0.94	0.53	0.14	0.10	0.14	0.14	0.21	0.11	0.18	0.81
USGS 07380335 - Little Lake Near Cutoff	1.03	1.29	1.10	0.68	0.41	0.26	0.29	0.23	0.35	0.18	0.18	0.84
USGS073802516 Barataria Pass at Grand Isle	1.03	1.25	0.91	0.51	0.20	0.12	0.13	0.14	0.24	0.08	0.19	0.75
HWQ14 - Lake Washington	1.15	1.29	0.77	0.38	0.07	0.11	0.17	0.16	0.18	0.05	0.25	0.72
HWQ16 - Bayou Grand Liard	0.85	1.15	1.13	0.91	0.85	0.56	0.37	0.13	0.34	0.16	0.26	0.75
CRMS 3985	1.27	1.33	0.92	0.45	0.10	0.15	0.25	0.32	0.37	0.22	0.56	1.01
CRMS 0258	1.28	1.42	1.11	0.84	0.39	0.07	0.01	0.04	0.33	0.12	0.46	1.11
CRMS 0224	1.18	1.37	1.00	0.71	0.35	0.08	0.03	0.07	0.27	0.13	0.25	0.97
CRMS 0163	1.31	1.25	1.21	1.25	1.27	1.28	1.29	1.10	1.29	0.97	1.35	1.34
CRMS 0162	1.25	1.20	1.18	1.16	1.19	1.34	1.47	1.12	0.60	0.41	0.92	1.19

V3PR2 HYST - cy 5 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.28	1.19	1.15	1.17	1.17	1.26	1.27	1.30	1.26	1.28	1.31	1.27
CRMS0276 - Just east of Wilkinson Canal	1.11	1.33	1.35	1.21	1.08	0.55	0.20	0.25	0.50	0.17	0.51	1.09
Barataria Waterway at Lafitte (USACE82875)	1.27	1.34	1.29	1.32	1.35	1.26	1.19	0.91	0.64	0.56	1.17	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.19	1.15	1.17	1.16	0.52	0.50	0.36	0.26	0.38	0.84	1.17
USGS7380251 Barataria Bay North of Grand Isle	1.27	1.31	1.25	0.81	0.49	0.06	0.08	0.09	0.16	0.05	0.42	1.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.32	1.31	0.78	0.52	0.09	0.09	0.07	0.13	0.05	0.15	0.89
USGS 07380335 - Little Lake Near Cutoff	1.04	1.31	1.31	0.74	0.53	0.23	0.20	0.10	0.20	0.06	0.10	0.82
USGS073802516 Barataria Pass at Grand Isle	1.05	1.29	1.19	0.53	0.30	0.08	0.05	0.07	0.14	0.04	0.13	0.70
HWQ14 - Lake Washington	1.18	1.31	1.14	0.47	0.27	0.11	0.12	0.10	0.14	0.04	0.22	0.74
HWQ16 - Bayou Grand Liard	0.82	1.15	1.10	0.81	0.67	0.45	0.25	0.08	0.18	0.06	0.15	0.63
CRMS 3985	1.26	1.31	1.19	0.58	0.30	0.14	0.17	0.25	0.31	0.19	0.56	1.03
CRMS 0258	1.29	1.36	1.34	0.86	0.46	0.03	0.01	0.04	0.26	0.20	0.26	1.14
CRMS 0224	1.22	1.34	1.34	0.83	0.56	0.04	0.02	0.03	0.19	0.08	0.15	1.03
CRMS 0163	1.27	1.27	1.22	1.24	1.28	1.25	1.25	0.95	0.48	0.49	1.27	1.31
CRMS 0162	1.20	1.18	1.18	1.13	1.16	1.14	1.24	0.89	0.26	0.30	0.83	1.05

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	-0.18	0.44	0.81	1.15	1.25	1.26	1.30	1.19	1.28	1.04	0.57
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.03	-0.03	-0.11	-0.26	-0.17	-0.11	-0.16	-0.23	-0.26	-0.24	-0.09
Barataria Waterway at Lafitte (USACE82875)	-0.04	0.02	0.00	0.00	0.00	0.02	-0.06	-0.13	-0.63	-0.43	-0.07	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	-0.21	0.42	0.71	1.07	0.51	0.50	0.36	0.14	0.35	0.58	0.44
USGS7380251 Barataria Bay North of Grand Isle	0.03	-0.03	0.42	0.40	0.45	0.00	-0.05	-0.05	-0.04	-0.01	0.02	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.06	0.01	0.36	0.25	0.37	0.00	-0.05	-0.07	-0.08	-0.06	-0.03	0.08
USGS 07380335 - Little Lake Near Cutoff	0.01	0.02	0.21	0.05	0.12	-0.03	-0.09	-0.12	-0.15	-0.12	-0.08	-0.03
USGS073802516 Barataria Pass at Grand Isle	0.02	0.03	0.29	0.02	0.10	-0.04	-0.08	-0.07	-0.10	-0.05	-0.05	-0.05
HWQ14 - Lake Washington	0.03	0.01	0.37	0.09	0.19	0.00	-0.05	-0.06	-0.03	-0.01	-0.03	0.03
HWQ16 - Bayou Grand Liard	-0.03	0.00	-0.03	-0.11	-0.18	-0.10	-0.12	-0.06	-0.16	-0.10	-0.11	-0.12
CRMS 3985	-0.01	-0.02	0.27	0.13	0.20	-0.01	-0.08	-0.07	-0.05	-0.02	0.00	0.03
CRMS 0258	0.01	-0.06	0.23	0.02	0.07	-0.04	0.00	0.00	-0.07	0.08	-0.20	0.03
CRMS 0224	0.04	-0.04	0.34	0.11	0.22	-0.04	-0.01	-0.04	-0.08	-0.05	-0.10	0.07
CRMS 0163	-0.04	0.03	0.01	-0.02	0.01	-0.03	-0.04	-0.15	-0.81	-0.48	-0.08	-0.03
CRMS 0162	-0.05	-0.03	0.00	-0.03	-0.03	-0.20	-0.23	-0.24	-0.34	-0.10	-0.09	-0.14

Figure WQ NO3 202 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.23	0.33	0.21	0.02	0.00	0.01	0.00	0.06	0.01	0.45	0.74
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.29	1.29	1.20	0.82	0.25	0.16	0.44	0.52	1.01	1.17
Barataria Waterway at Lafitte (USACE82875)	1.29	1.40	1.46	1.44	1.44	1.53	0.87	0.63	0.67	1.26	1.34	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.31	0.45	0.43	0.08	0.00	0.01	0.01	0.09	0.03	0.48	0.75
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.09	0.31	0.17	0.03	0.05	0.14	0.10	0.15	0.09	0.55	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.22	0.66	0.38	0.10	0.10	0.12	0.08	0.16	0.10	0.43	0.91
USGS 07380335 - Little Lake Near Cutoff	0.95	1.22	0.86	0.60	0.31	0.27	0.24	0.03	0.19	0.10	0.48	0.94
USGS073802516 Barataria Pass at Grand Isle	0.98	1.17	0.65	0.37	0.16	0.16	0.14	0.05	0.17	0.06	0.39	0.86
HWQ14 - Lake Washington	1.13	1.13	0.36	0.13	0.04	0.08	0.16	0.13	0.15	0.04	0.39	0.83
HWQ16 - Bayou Grand Liard	0.76	1.07	0.92	0.84	0.69	0.53	0.22	0.06	0.13	0.08	0.47	0.79
CRMS 3985	1.22	0.97	0.36	0.22	0.07	0.16	0.34	0.31	0.31	0.29	0.71	1.08
CRMS 0258	1.20	1.39	0.93	0.89	0.41	0.17	0.01	0.02	0.19	0.16	0.89	1.06
CRMS 0224	1.10	1.32	0.81	0.71	0.31	0.15	0.02	0.04	0.20	0.19	0.63	0.98
CRMS 0163	1.32	1.35	1.40	1.35	1.41	1.45	0.94	0.79	0.58	1.26	1.37	1.36
CRMS 0162	1.20	1.20	1.13	1.06	1.06	1.07	1.07	0.66	0.24	0.64	1.05	1.18

V3PR2 HYST - cy 5 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.37	1.28	1.32	1.25	1.27	1.29	1.37	1.38	1.30	1.23	1.25	1.30
CRMS0276 - Just east of Wilkinson Canal	0.99	1.28	1.20	1.25	0.97	0.60	0.12	0.06	0.22	0.11	0.84	1.11
Barataria Waterway at Lafitte (USACE82875)	1.21	1.36	1.45	1.41	1.38	1.47	0.43	0.32	0.35	0.58	1.32	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.29	1.29	1.27	0.99	0.96	0.44	0.59	0.39	0.23	0.39	0.87	1.17
USGS7380251 Barataria Bay North of Grand Isle	1.21	1.29	1.14	0.63	0.22	0.04	0.12	0.07	0.12	0.06	0.47	1.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.00	1.26	0.94	0.63	0.26	0.05	0.06	0.05	0.10	0.04	0.28	0.91
USGS 07380335 - Little Lake Near Cutoff	0.89	1.22	0.88	0.73	0.36	0.16	0.14	0.02	0.12	0.03	0.28	0.87
USGS073802516 Barataria Pass at Grand Isle	0.92	1.18	0.79	0.51	0.17	0.04	0.04	0.04	0.10	0.02	0.25	0.76
HWQ14 - Lake Washington	1.08	1.24	0.85	0.42	0.13	0.05	0.11	0.08	0.12	0.04	0.28	0.78
HWQ16 - Bayou Grand Liard	0.74	1.05	0.88	0.83	0.54	0.39	0.14	0.05	0.09	0.04	0.34	0.69
CRMS 3985	1.24	1.28	1.18	0.57	0.16	0.12	0.30	0.28	0.28	0.23	0.60	1.06
CRMS 0258	1.14	1.34	0.88	0.92	0.31	0.11	0.01	0.01	0.21	0.07	0.54	1.11
CRMS 0224	1.05	1.31	0.89	0.77	0.37	0.08	0.01	0.02	0.10	0.04	0.33	1.02
CRMS 0163	1.24	1.30	1.39	1.28	1.33	1.32	0.52	0.29	0.30	0.53	1.36	1.32
CRMS 0162	1.10	1.09	1.04	0.88	0.89	0.81	0.31	0.34	0.22	0.30	0.96	1.03

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.05	1.00	1.04	1.25	1.29	1.36	1.38	1.24	1.23	0.80	0.55
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.05	-0.09	-0.03	-0.23	-0.22	-0.13	-0.11	-0.22	-0.42	-0.17	-0.05
Barataria Waterway at Lafitte (USACE82875)	-0.07	-0.04	-0.01	-0.03	-0.07	-0.06	-0.44	-0.31	-0.33	-0.68	-0.01	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	-0.02	0.82	0.55	0.89	0.43	0.59	0.39	0.14	0.36	0.39	0.42
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.20	0.83	0.46	0.20	-0.01	-0.03	-0.03	-0.03	-0.03	-0.08	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	0.04	0.29	0.25	0.16	-0.04	-0.06	-0.04	-0.06	-0.06	-0.16	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.05	0.00	0.03	0.12	0.04	-0.11	-0.10	-0.01	-0.08	-0.07	-0.20	-0.07
USGS073802516 Barataria Pass at Grand Isle	-0.06	0.01	0.14	0.14	0.01	-0.11	-0.10	-0.01	-0.07	-0.03	-0.13	-0.10
HWQ14 - Lake Washington	-0.05	0.10	0.49	0.29	0.09	-0.03	-0.05	-0.06	-0.04	0.00	-0.11	-0.05
HWQ16 - Bayou Grand Liard	-0.03	-0.02	-0.04	-0.01	-0.14	-0.14	-0.08	0.00	-0.04	-0.04	-0.13	-0.09
CRMS 3985	0.02	0.31	0.82	0.35	0.08	-0.03	-0.04	-0.03	-0.03	-0.06	-0.11	-0.03
CRMS 0258	-0.06	-0.05	-0.05	0.03	-0.10	-0.07	0.00	-0.01	0.02	-0.08	-0.34	0.05
CRMS 0224	-0.06	-0.01	0.08	0.06	0.06	-0.07	-0.01	-0.02	-0.11	-0.15	-0.31	0.04
CRMS 0163	-0.08	-0.05	-0.01	-0.07	-0.08	-0.13	-0.42	-0.50	-0.28	-0.73	-0.02	-0.03
CRMS 0162	-0.10	-0.12	-0.09	-0.17	-0.17	-0.26	-0.76	-0.33	-0.02	-0.35	-0.09	-0.16

Figure WQ NO3 203 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.38	0.67	0.29	0.01	0.01	0.01	0.00	0.08	0.00	0.32	0.71
CRMS0276 - Just east of Wilkinson Canal	1.15	1.36	1.37	1.35	1.21	1.10	0.64	0.58	1.01	0.74	0.89	1.07
Barataria Waterway at Lafitte (USACE82875)	1.30	1.28	1.38	1.36	1.40	1.46	1.44	1.39	1.45	1.27	1.26	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.24	1.41	0.67	0.42	0.04	0.02	0.01	0.00	0.15	0.01	0.32	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.35	0.81	0.34	0.04	0.07	0.19	0.15	0.24	0.09	0.44	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.08	1.33	0.86	0.51	0.10	0.12	0.18	0.19	0.30	0.13	0.40	0.80
USGS 07380335 - Little Lake Near Cutoff	1.03	1.31	0.97	0.69	0.32	0.37	0.38	0.41	0.51	0.34	0.48	0.82
USGS073802516 Barataria Pass at Grand Isle	1.03	1.28	0.84	0.48	0.15	0.16	0.20	0.29	0.31	0.14	0.37	0.74
HWQ14 - Lake Washington	1.14	1.31	0.74	0.33	0.06	0.11	0.20	0.20	0.21	0.07	0.32	0.70
HWQ16 - Bayou Grand Liard	0.89	1.18	1.08	0.91	0.72	0.71	0.60	0.50	0.55	0.37	0.45	0.68
CRMS 3985	1.26	1.34	0.90	0.41	0.10	0.17	0.34	0.33	0.40	0.26	0.59	1.02
CRMS 0258	1.22	1.43	1.02	0.87	0.33	0.28	0.02	0.04	0.57	0.13	0.62	0.96
CRMS 0224	1.15	1.39	0.91	0.71	0.26	0.25	0.07	0.07	0.46	0.13	0.50	0.91
CRMS 0163	1.28	1.21	1.30	1.26	1.36	1.42	1.42	1.38	1.43	1.29	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.14	1.15	1.34	1.44	1.36	1.06	0.90	0.87	1.07

V3PR2 HYST - cy 5 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.16	1.23	1.21	1.23	1.27	1.32	1.26	1.22	1.22	1.36	1.32
CRMS0276 - Just east of Wilkinson Canal	1.05	1.33	1.32	1.21	0.98	0.83	0.43	0.45	0.77	0.41	0.69	0.92
Barataria Waterway at Lafitte (USACE82875)	1.20	1.29	1.37	1.35	1.35	1.45	1.32	1.21	1.15	0.89	1.21	1.29
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.16	1.22	1.20	1.19	1.24	1.30	0.76	0.27	0.36	0.93	1.05
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.29	1.23	0.76	0.50	0.20	0.23	0.12	0.20	0.07	0.44	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.11	1.32	1.24	0.71	0.49	0.24	0.32	0.21	0.19	0.09	0.24	0.71
USGS 07380335 - Little Lake Near Cutoff	0.99	1.32	1.17	0.69	0.48	0.36	0.45	0.41	0.35	0.18	0.20	0.69
USGS073802516 Barataria Pass at Grand Isle	1.00	1.29	1.01	0.48	0.23	0.15	0.18	0.20	0.21	0.07	0.19	0.60
HWQ14 - Lake Washington	1.12	1.30	0.99	0.45	0.21	0.17	0.24	0.21	0.17	0.06	0.25	0.64
HWQ16 - Bayou Grand Liard	0.79	1.17	0.99	0.78	0.55	0.55	0.44	0.39	0.40	0.20	0.21	0.52
CRMS 3985	1.21	1.30	1.10	0.56	0.24	0.16	0.20	0.17	0.31	0.23	0.57	0.99
CRMS 0258	1.21	1.35	1.31	0.86	0.29	0.23	0.35	0.07	0.45	0.13	0.51	0.81
CRMS 0224	1.16	1.33	1.28	0.77	0.43	0.33	0.50	0.12	0.33	0.11	0.34	0.77
CRMS 0163	1.21	1.23	1.30	1.25	1.34	1.41	1.33	1.30	1.04	0.75	1.27	1.18
CRMS 0162	1.20	1.18	1.17	1.10	1.09	1.28	1.41	1.21	0.59	0.49	0.83	0.95

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.22	0.56	0.92	1.23	1.27	1.30	1.26	1.13	1.22	1.04	0.61
CRMS0276 - Just east of Wilkinson Canal	-0.10	-0.03	-0.05	-0.14	-0.23	-0.26	-0.21	-0.13	-0.24	-0.33	-0.21	-0.15
Barataria Waterway at Lafitte (USACE82875)	-0.10	0.02	-0.01	-0.01	-0.05	-0.01	-0.13	-0.17	-0.30	-0.38	-0.05	-0.11
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.25	0.55	0.77	1.14	1.22	1.29	0.76	0.12	0.35	0.62	0.31
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.06	0.42	0.42	0.45	0.13	0.05	-0.04	-0.04	-0.02	0.00	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.03	-0.02	0.38	0.20	0.39	0.12	0.15	0.02	-0.10	-0.04	-0.16	-0.09
USGS 07380335 - Little Lake Near Cutoff	-0.03	0.00	0.20	0.00	0.17	-0.01	0.08	-0.01	-0.16	-0.16	-0.28	-0.13
USGS073802516 Barataria Pass at Grand Isle	-0.03	0.02	0.16	0.01	0.08	-0.02	-0.02	-0.10	-0.10	-0.07	-0.18	-0.14
HWQ14 - Lake Washington	-0.02	0.00	0.25	0.12	0.15	0.06	0.04	0.01	-0.03	-0.01	-0.06	-0.06
HWQ16 - Bayou Grand Liard	-0.10	-0.02	-0.09	-0.13	-0.17	-0.16	-0.16	-0.11	-0.15	-0.17	-0.24	-0.16
CRMS 3985	-0.06	-0.04	0.20	0.15	0.14	-0.01	-0.14	-0.16	-0.09	-0.03	-0.02	-0.02
CRMS 0258	-0.02	-0.08	0.28	-0.01	-0.04	-0.05	0.33	0.03	-0.12	0.00	-0.11	-0.15
CRMS 0224	0.02	-0.07	0.37	0.06	0.17	0.08	0.43	0.06	-0.13	-0.02	-0.16	-0.14
CRMS 0163	-0.07	0.02	0.01	-0.02	-0.01	0.00	-0.09	-0.08	-0.40	-0.54	-0.07	-0.19
CRMS 0162	-0.05	-0.02	-0.04	-0.05	-0.06	-0.06	-0.03	-0.15	-0.47	-0.41	-0.04	-0.12

Figure WQ NO3 204 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.28	0.61	0.33	0.05	0.01	0.01	0.00	0.07	0.00	0.29	0.73
CRMS0276 - Just east of Wilkinson Canal	1.21	1.30	1.35	1.38	1.33	0.89	0.44	0.43	0.91	0.63	0.77	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.47	1.36	1.35	1.22	1.33	1.38	1.18	1.39	1.18	1.23	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.35	0.76	0.54	0.15	0.02	0.01	0.00	0.13	0.00	0.29	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.24	1.16	0.50	0.21	0.02	0.05	0.15	0.14	0.21	0.08	0.39	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	0.87	0.53	0.19	0.12	0.15	0.15	0.27	0.11	0.24	0.84
USGS 07380335 - Little Lake Near Cutoff	1.09	1.22	1.05	0.77	0.51	0.36	0.32	0.35	0.46	0.29	0.25	0.90
USGS073802516 Barataria Pass at Grand Isle	1.09	1.20	0.77	0.52	0.26	0.17	0.14	0.22	0.27	0.12	0.23	0.79
HWQ14 - Lake Washington	1.18	1.20	0.53	0.21	0.05	0.11	0.18	0.17	0.19	0.07	0.26	0.72
HWQ16 - Bayou Grand Liard	0.91	1.04	0.95	0.98	0.91	0.74	0.57	0.41	0.50	0.32	0.28	0.80
CRMS 3985	1.22	1.06	0.43	0.18	0.05	0.13	0.30	0.31	0.37	0.24	0.54	1.01
CRMS 0258	1.33	1.39	1.17	0.98	0.73	0.20	0.01	0.03	0.50	0.10	0.56	1.16
CRMS 0224	1.23	1.33	1.04	0.83	0.57	0.20	0.05	0.05	0.40	0.10	0.37	1.01
CRMS 0163	1.35	1.42	1.28	1.28	1.14	1.30	1.38	1.16	1.40	1.21	1.33	1.26
CRMS 0162	1.24	1.12	1.18	1.17	1.10	1.28	1.44	1.34	0.96	0.73	0.87	1.21

V3PR2 HYST - cy 5 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.35	1.37	1.20	1.19	1.06	1.18	1.31	1.24	1.23	1.28	1.34	1.21
CRMS0276 - Just east of Wilkinson Canal	1.17	1.27	1.19	1.34	1.20	0.71	0.33	0.39	0.70	0.38	0.53	1.20
Barataria Waterway at Lafitte (USACE82875)	1.31	1.30	1.33	1.34	1.21	1.30	1.18	1.13	0.98	0.71	1.15	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.34	1.38	1.20	1.20	1.06	1.15	1.28	0.29	0.26	0.38	0.90	1.20
USGS7380251 Barataria Bay North of Grand Isle	1.31	1.33	1.27	0.92	0.70	0.17	0.17	0.09	0.18	0.06	0.42	1.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.20	1.28	1.26	1.03	0.79	0.18	0.21	0.14	0.17	0.08	0.19	1.15
USGS 07380335 - Little Lake Near Cutoff	1.09	1.23	1.20	1.04	0.80	0.30	0.36	0.33	0.31	0.16	0.13	1.03
USGS073802516 Barataria Pass at Grand Isle	1.11	1.20	1.09	0.73	0.46	0.14	0.13	0.14	0.18	0.06	0.15	0.93
HWQ14 - Lake Washington	1.23	1.27	1.12	0.60	0.37	0.15	0.21	0.16	0.16	0.06	0.23	0.95
HWQ16 - Bayou Grand Liard	0.86	1.04	0.90	0.96	0.83	0.56	0.43	0.32	0.37	0.19	0.14	0.75
CRMS 3985	1.29	1.32	1.27	0.72	0.40	0.15	0.18	0.18	0.31	0.21	0.55	1.09
CRMS 0258	1.36	1.36	1.24	1.11	0.77	0.18	0.20	0.03	0.39	0.12	0.35	1.24
CRMS 0224	1.26	1.33	1.26	1.15	0.88	0.25	0.26	0.05	0.27	0.12	0.21	1.19
CRMS 0163	1.29	1.23	1.26	1.25	1.16	1.30	1.24	1.19	0.85	0.59	1.26	1.28
CRMS 0162	1.18	0.99	1.12	1.11	1.09	1.28	1.42	1.19	0.48	0.40	0.81	1.12

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.09	0.59	0.87	1.01	1.17	1.30	1.23	1.16	1.27	1.05	0.48
CRMS0276 - Just east of Wilkinson Canal	-0.04	-0.03	-0.16	-0.04	-0.13	-0.18	-0.12	-0.04	-0.21	-0.26	-0.24	-0.06
Barataria Waterway at Lafitte (USACE82875)	-0.04	-0.17	-0.03	-0.01	-0.01	-0.03	-0.20	-0.05	-0.41	-0.47	-0.08	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.03	0.45	0.66	0.92	1.12	1.27	0.29	0.13	0.38	0.61	0.43
USGS7380251 Barataria Bay North of Grand Isle	0.07	0.17	0.77	0.71	0.68	0.12	0.02	-0.05	-0.03	-0.02	0.03	0.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.05	0.02	0.38	0.50	0.60	0.06	0.06	-0.02	-0.10	-0.03	-0.05	0.30
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.16	0.27	0.29	-0.06	0.04	-0.02	-0.15	-0.13	-0.13	0.13
USGS073802516 Barataria Pass at Grand Isle	0.02	0.00	0.32	0.21	0.20	-0.03	-0.01	-0.08	-0.08	-0.05	-0.08	0.14
HWQ14 - Lake Washington	0.05	0.08	0.59	0.39	0.32	0.04	0.03	-0.01	-0.03	-0.01	-0.03	0.23
HWQ16 - Bayou Grand Liard	-0.05	0.00	-0.05	-0.01	-0.08	-0.17	-0.14	-0.08	-0.14	-0.13	-0.14	-0.06
CRMS 3985	0.08	0.26	0.83	0.54	0.35	0.02	-0.11	-0.13	-0.07	-0.03	0.00	0.08
CRMS 0258	0.03	-0.02	0.06	0.14	0.04	-0.02	0.18	0.00	-0.11	0.02	-0.21	0.08
CRMS 0224	0.03	0.00	0.22	0.33	0.31	0.05	0.21	0.00	-0.13	0.01	-0.16	0.18
CRMS 0163	-0.06	-0.19	-0.01	-0.03	0.02	0.00	-0.14	0.03	-0.54	-0.62	-0.07	0.02
CRMS 0162	-0.06	-0.13	-0.06	-0.05	-0.01	0.00	-0.02	-0.15	-0.48	-0.32	-0.06	-0.09

Figure WQ NO3 205 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.99	1.15	0.58	0.37	0.01	0.00	0.01	0.00	0.04	0.00	0.18	0.47
CRMS0276 - Just east of Wilkinson Canal	0.97	1.27	1.33	1.30	1.15	0.97	0.69	0.41	0.95	0.83	0.81	0.92
Barataria Waterway at Lafitte (USACE82875)	1.23	1.36	1.30	1.19	1.30	1.42	1.41	1.21	1.44	1.27	1.19	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	1.18	0.60	0.51	0.04	0.00	0.00	0.00	0.11	0.02	0.20	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.13	0.73	0.32	0.02	0.03	0.06	0.05	0.11	0.05	0.26	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	1.10	0.80	0.50	0.08	0.07	0.12	0.12	0.19	0.11	0.30	0.56
USGS 07380335 - Little Lake Near Cutoff	0.78	1.10	0.99	0.73	0.28	0.24	0.34	0.33	0.40	0.35	0.40	0.59
USGS073802516 Barataria Pass at Grand Isle	0.77	1.05	0.75	0.48	0.12	0.07	0.13	0.21	0.18	0.12	0.27	0.50
HWQ14 - Lake Washington	0.87	1.07	0.62	0.28	0.03	0.04	0.09	0.07	0.10	0.03	0.18	0.43
HWQ16 - Bayou Grand Liard	0.70	1.01	1.03	0.96	0.70	0.60	0.64	0.43	0.50	0.44	0.40	0.49
CRMS 3985	1.05	1.15	0.86	0.32	0.04	0.06	0.11	0.16	0.26	0.18	0.41	0.78
CRMS 0258	0.98	1.27	1.06	0.92	0.26	0.11	0.01	0.03	0.50	0.24	0.47	0.78
CRMS 0224	0.87	1.20	0.90	0.79	0.22	0.09	0.03	0.02	0.38	0.16	0.37	0.72
CRMS 0163	1.27	1.31	1.23	1.13	1.24	1.38	1.39	1.22	1.40	1.28	1.29	1.35
CRMS 0162	1.24	1.19	1.18	1.09	1.17	1.32	1.42	1.35	1.10	1.03	0.82	0.98

V3PR3 HYST - cy 5 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.24	1.18	1.07	1.15	1.24	1.27	1.31	1.28	1.32	1.38	1.33
CRMS0276 - Just east of Wilkinson Canal	0.99	1.26	1.32	1.31	0.86	0.72	0.40	0.38	0.81	0.66	0.65	0.96
Barataria Waterway at Lafitte (USACE82875)	1.21	1.36	1.32	1.21	1.32	1.37	1.28	1.06	1.26	1.08	1.13	1.24
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.23	1.16	1.07	1.15	1.23	1.23	0.45	0.25	0.46	0.83	1.01
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.27	1.26	0.84	0.39	0.17	0.23	0.09	0.21	0.14	0.30	0.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.02	1.25	1.30	0.96	0.39	0.17	0.24	0.14	0.25	0.25	0.25	0.65
USGS 07380335 - Little Lake Near Cutoff	0.90	1.21	1.30	0.99	0.41	0.28	0.40	0.36	0.42	0.44	0.25	0.69
USGS073802516 Barataria Pass at Grand Isle	0.92	1.19	1.22	0.67	0.23	0.10	0.18	0.17	0.23	0.20	0.18	0.57
HWQ14 - Lake Washington	1.03	1.23	1.19	0.54	0.20	0.14	0.25	0.19	0.19	0.13	0.19	0.52
HWQ16 - Bayou Grand Liard	0.76	1.06	1.08	0.97	0.59	0.47	0.48	0.40	0.45	0.39	0.22	0.59
CRMS 3985	1.13	1.25	1.23	0.62	0.23	0.14	0.20	0.17	0.30	0.20	0.34	0.82
CRMS 0258	1.15	1.32	1.34	1.10	0.31	0.14	0.18	0.06	0.46	0.25	0.51	0.70
CRMS 0224	1.07	1.29	1.34	1.10	0.39	0.21	0.25	0.08	0.36	0.27	0.36	0.72
CRMS 0163	1.24	1.30	1.24	1.14	1.26	1.36	1.27	1.11	1.23	1.08	1.26	1.19
CRMS 0162	1.18	1.14	1.17	1.08	1.14	1.31	1.42	1.24	0.81	0.81	0.85	1.00

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.27	0.09	0.59	0.69	1.14	1.23	1.27	1.31	1.24	1.32	1.19	0.86
CRMS0276 - Just east of Wilkinson Canal	0.02	-0.02	-0.01	0.01	-0.28	-0.25	-0.28	-0.03	-0.14	-0.16	-0.16	0.04
Barataria Waterway at Lafitte (USACE82875)	-0.02	0.01	0.02	0.02	0.02	-0.05	-0.12	-0.15	-0.18	-0.20	-0.06	-0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.05	0.56	0.56	1.11	1.23	1.23	0.44	0.14	0.44	0.62	0.50
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.54	0.52	0.37	0.15	0.17	0.04	0.11	0.09	0.03	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.15	0.50	0.46	0.31	0.11	0.12	0.02	0.05	0.14	-0.04	0.09
USGS 07380335 - Little Lake Near Cutoff	0.13	0.11	0.31	0.26	0.13	0.04	0.06	0.03	0.02	0.09	-0.15	0.10
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.47	0.19	0.11	0.03	0.05	-0.04	0.06	0.08	-0.09	0.07
HWQ14 - Lake Washington	0.16	0.17	0.57	0.26	0.18	0.10	0.17	0.12	0.09	0.10	0.02	0.10
HWQ16 - Bayou Grand Liard	0.05	0.05	0.05	0.00	-0.11	-0.14	-0.17	-0.03	-0.05	-0.04	-0.18	0.10
CRMS 3985	0.07	0.10	0.36	0.30	0.18	0.09	0.08	0.00	0.03	0.02	-0.07	0.03
CRMS 0258	0.17	0.05	0.29	0.18	0.06	0.03	0.17	0.03	-0.04	0.01	0.04	-0.09
CRMS 0224	0.19	0.10	0.43	0.31	0.17	0.12	0.22	0.06	-0.02	0.12	-0.01	0.00
CRMS 0163	-0.03	0.00	0.01	0.01	0.02	-0.02	-0.12	-0.11	-0.17	-0.21	-0.03	-0.16
CRMS 0162	-0.06	-0.05	-0.01	-0.01	-0.04	-0.01	0.00	-0.11	-0.29	-0.22	0.03	0.02

Figure WQ NO3 206 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.37	0.71	0.36	0.02	0.01	0.01	0.00	0.07	0.00	0.27	0.70
CRMS0276 - Just east of Wilkinson Canal	1.16	1.36	1.38	1.32	1.34	0.71	0.31	0.41	0.73	0.44	0.75	1.18
Barataria Waterway at Lafitte (USACE82875)	1.31	1.32	1.28	1.32	1.35	1.24	1.25	1.04	1.27	0.99	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.39	0.74	0.46	0.09	0.01	0.01	0.00	0.12	0.03	0.26	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.34	0.83	0.41	0.04	0.06	0.13	0.14	0.20	0.06	0.39	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.31	0.94	0.53	0.14	0.10	0.14	0.14	0.21	0.11	0.18	0.81
USGS 07380335 - Little Lake Near Cutoff	1.03	1.29	1.10	0.68	0.41	0.26	0.29	0.23	0.35	0.18	0.18	0.84
USGS073802516 Barataria Pass at Grand Isle	1.03	1.25	0.91	0.51	0.20	0.12	0.13	0.14	0.24	0.08	0.19	0.75
HWQ14 - Lake Washington	1.15	1.29	0.77	0.38	0.07	0.11	0.17	0.16	0.18	0.05	0.25	0.72
HWQ16 - Bayou Grand Liard	0.85	1.15	1.13	0.91	0.85	0.56	0.37	0.13	0.34	0.16	0.26	0.75
CRMS 3985	1.27	1.33	0.92	0.45	0.10	0.15	0.25	0.32	0.37	0.22	0.56	1.01
CRMS 0258	1.28	1.42	1.11	0.84	0.39	0.07	0.01	0.04	0.33	0.12	0.46	1.11
CRMS 0224	1.18	1.37	1.00	0.71	0.35	0.08	0.03	0.07	0.27	0.13	0.25	0.97
CRMS 0163	1.31	1.25	1.21	1.25	1.27	1.28	1.29	1.10	1.29	0.97	1.35	1.34
CRMS 0162	1.25	1.20	1.18	1.16	1.19	1.34	1.47	1.12	0.60	0.41	0.92	1.19

V3PR3 HYST - cy 5 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.18	1.15	1.17	1.17	1.30	1.32	1.33	1.32	1.35	1.31	1.25
CRMS0276 - Just east of Wilkinson Canal	1.10	1.30	1.33	1.18	1.06	0.52	0.19	0.23	0.48	0.20	0.46	1.06
Barataria Waterway at Lafitte (USACE82875)	1.26	1.33	1.29	1.33	1.36	1.20	1.13	0.85	0.65	0.56	1.10	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.16	1.14	1.16	1.17	0.35	0.04	0.01	0.11	0.18	0.74	1.13
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.27	1.23	0.80	0.48	0.06	0.08	0.07	0.13	0.04	0.38	0.95
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.29	1.29	0.77	0.51	0.08	0.08	0.07	0.11	0.04	0.14	0.85
USGS 07380335 - Little Lake Near Cutoff	1.03	1.28	1.29	0.70	0.51	0.22	0.20	0.12	0.20	0.06	0.08	0.77
USGS073802516 Barataria Pass at Grand Isle	1.04	1.25	1.16	0.51	0.29	0.08	0.05	0.07	0.13	0.03	0.12	0.66
HWQ14 - Lake Washington	1.14	1.26	1.12	0.45	0.27	0.11	0.12	0.11	0.14	0.04	0.20	0.71
HWQ16 - Bayou Grand Liard	0.83	1.13	1.07	0.78	0.66	0.44	0.26	0.08	0.18	0.06	0.14	0.60
CRMS 3985	1.19	1.25	1.14	0.56	0.28	0.13	0.17	0.25	0.30	0.17	0.51	0.97
CRMS 0258	1.27	1.33	1.33	0.85	0.46	0.03	0.01	0.03	0.18	0.11	0.20	1.12
CRMS 0224	1.19	1.31	1.33	0.82	0.56	0.04	0.02	0.03	0.13	0.08	0.11	0.99
CRMS 0163	1.27	1.26	1.22	1.25	1.28	1.22	1.18	0.95	0.51	0.51	1.27	1.31
CRMS 0162	1.21	1.18	1.17	1.14	1.15	1.17	1.26	0.89	0.25	0.32	0.84	1.07

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.18	0.44	0.81	1.15	1.29	1.31	1.32	1.26	1.35	1.04	0.55
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.06	-0.05	-0.15	-0.28	-0.20	-0.12	-0.18	-0.25	-0.24	-0.29	-0.12
Barataria Waterway at Lafitte (USACE82875)	-0.06	0.01	0.01	0.01	0.01	-0.04	-0.13	-0.19	-0.62	-0.44	-0.15	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.23	0.40	0.70	1.08	0.34	0.03	0.00	-0.01	0.16	0.47	0.40
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.07	0.40	0.40	0.44	0.00	-0.05	-0.07	-0.07	-0.02	-0.01	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	-0.02	0.34	0.23	0.36	-0.01	-0.06	-0.07	-0.10	-0.07	-0.04	0.04
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.18	0.02	0.10	-0.04	-0.10	-0.11	-0.15	-0.12	-0.10	-0.07
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.26	0.00	0.09	-0.04	-0.08	-0.07	-0.11	-0.05	-0.07	-0.09
HWQ14 - Lake Washington	0.00	-0.03	0.35	0.08	0.19	0.00	-0.05	-0.06	-0.04	-0.01	-0.05	-0.01
HWQ16 - Bayou Grand Liard	-0.02	-0.02	-0.05	-0.14	-0.19	-0.11	-0.12	-0.06	-0.16	-0.10	-0.12	-0.14
CRMS 3985	-0.09	-0.08	0.22	0.11	0.18	-0.02	-0.09	-0.07	-0.07	-0.05	-0.05	-0.04
CRMS 0258	-0.01	-0.08	0.22	0.00	0.07	-0.05	0.00	-0.01	-0.15	-0.01	-0.27	0.01
CRMS 0224	0.01	-0.06	0.33	0.10	0.21	-0.04	-0.02	-0.05	-0.13	-0.05	-0.14	0.03
CRMS 0163	-0.04	0.01	0.01	-0.01	0.01	-0.06	-0.11	-0.15	-0.78	-0.46	-0.08	-0.04
CRMS 0162	-0.04	-0.03	-0.01	-0.02	-0.04	-0.17	-0.21	-0.24	-0.35	-0.09	-0.08	-0.12

Figure WQ NO3 207 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.23	0.33	0.21	0.02	0.00	0.01	0.00	0.06	0.01	0.45	0.74
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.29	1.29	1.20	0.82	0.25	0.16	0.44	0.52	1.01	1.17
Barataria Waterway at Lafitte (USACE82875)	1.29	1.40	1.46	1.44	1.44	1.53	0.87	0.63	0.67	1.26	1.34	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.31	0.45	0.43	0.08	0.00	0.01	0.01	0.09	0.03	0.48	0.75
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.09	0.31	0.17	0.03	0.05	0.14	0.10	0.15	0.09	0.55	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.22	0.66	0.38	0.10	0.10	0.12	0.08	0.16	0.10	0.43	0.91
USGS 07380335 - Little Lake Near Cutoff	0.95	1.22	0.86	0.60	0.31	0.27	0.24	0.03	0.19	0.10	0.48	0.94
USGS073802516 Barataria Pass at Grand Isle	0.98	1.17	0.65	0.37	0.16	0.16	0.14	0.05	0.17	0.06	0.39	0.86
HWQ14 - Lake Washington	1.13	1.13	0.36	0.13	0.04	0.08	0.16	0.13	0.15	0.04	0.39	0.83
HWQ16 - Bayou Grand Liard	0.76	1.07	0.92	0.84	0.69	0.53	0.22	0.06	0.13	0.08	0.47	0.79
CRMS 3985	1.22	0.97	0.36	0.22	0.07	0.16	0.34	0.31	0.31	0.29	0.71	1.08
CRMS 0258	1.20	1.39	0.93	0.89	0.41	0.17	0.01	0.02	0.19	0.16	0.89	1.06
CRMS 0224	1.10	1.32	0.81	0.71	0.31	0.15	0.02	0.04	0.20	0.19	0.63	0.98
CRMS 0163	1.32	1.35	1.40	1.35	1.41	1.45	0.94	0.79	0.58	1.26	1.37	1.36
CRMS 0162	1.20	1.20	1.13	1.06	1.06	1.07	1.07	0.66	0.24	0.64	1.05	1.18

V3PR3 HYST - cy 5 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.26	1.30	1.28	1.28	1.32	1.37	1.38	1.35	1.30	1.26	1.28
CRMS0276 - Just east of Wilkinson Canal	0.98	1.24	1.15	1.21	0.93	0.60	0.12	0.05	0.22	0.12	0.80	1.09
Barataria Waterway at Lafitte (USACE82875)	1.20	1.34	1.42	1.39	1.37	1.47	0.45	0.26	0.32	0.68	1.26	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.25	1.21	0.85	0.97	0.02	0.03	0.01	0.08	0.20	0.78	1.13
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.26	1.07	0.57	0.20	0.04	0.10	0.05	0.09	0.05	0.50	1.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.99	1.22	0.87	0.58	0.23	0.05	0.06	0.05	0.08	0.04	0.28	0.90
USGS 07380335 - Little Lake Near Cutoff	0.89	1.18	0.83	0.66	0.32	0.15	0.14	0.02	0.11	0.03	0.26	0.85
USGS073802516 Barataria Pass at Grand Isle	0.92	1.15	0.74	0.46	0.14	0.04	0.04	0.04	0.09	0.02	0.26	0.75
HWQ14 - Lake Washington	1.06	1.21	0.79	0.38	0.10	0.05	0.11	0.07	0.10	0.03	0.30	0.78
HWQ16 - Bayou Grand Liard	0.75	1.03	0.86	0.79	0.52	0.38	0.15	0.06	0.09	0.04	0.33	0.70
CRMS 3985	1.20	1.24	1.11	0.51	0.13	0.11	0.28	0.25	0.24	0.23	0.61	1.03
CRMS 0258	1.11	1.30	0.83	0.86	0.29	0.10	0.01	0.01	0.13	0.09	0.53	1.10
CRMS 0224	1.03	1.27	0.83	0.70	0.36	0.08	0.01	0.02	0.07	0.04	0.31	1.00
CRMS 0163	1.24	1.28	1.37	1.27	1.34	1.35	0.54	0.29	0.29	0.65	1.34	1.32
CRMS 0162	1.11	1.08	1.09	0.92	0.90	0.81	0.40	0.30	0.23	0.33	0.97	1.05

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.03	0.97	1.06	1.26	1.32	1.36	1.38	1.29	1.30	0.81	0.53
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.09	-0.14	-0.08	-0.26	-0.22	-0.12	-0.11	-0.23	-0.40	-0.21	-0.08
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.07	-0.04	-0.05	-0.07	-0.06	-0.42	-0.37	-0.35	-0.58	-0.08	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.06	0.76	0.42	0.89	0.02	0.03	0.00	-0.01	0.17	0.29	0.38
USGS7380251 Barataria Bay North of Grand Isle	-0.04	0.17	0.76	0.40	0.17	-0.01	-0.05	-0.05	-0.06	-0.03	-0.05	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	0.00	0.22	0.19	0.14	-0.05	-0.06	-0.04	-0.08	-0.06	-0.16	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.05	-0.03	-0.03	0.06	0.01	-0.12	-0.10	-0.01	-0.08	-0.07	-0.22	-0.08
USGS073802516 Barataria Pass at Grand Isle	-0.05	-0.01	0.09	0.09	-0.03	-0.12	-0.10	-0.01	-0.08	-0.04	-0.13	-0.11
HWQ14 - Lake Washington	-0.07	0.07	0.43	0.25	0.06	-0.03	-0.05	-0.06	-0.05	-0.01	-0.08	-0.05
HWQ16 - Bayou Grand Liard	-0.01	-0.05	-0.06	-0.05	-0.16	-0.16	-0.07	0.00	-0.04	-0.04	-0.14	-0.09
CRMS 3985	-0.01	0.27	0.75	0.29	0.05	-0.05	-0.06	-0.06	-0.07	-0.06	-0.10	-0.05
CRMS 0258	-0.08	-0.09	-0.09	-0.03	-0.12	-0.08	0.00	-0.01	-0.06	-0.07	-0.36	0.04
CRMS 0224	-0.07	-0.05	0.02	-0.01	0.04	-0.08	-0.01	-0.02	-0.13	-0.14	-0.33	0.02
CRMS 0163	-0.08	-0.07	-0.03	-0.08	-0.07	-0.10	-0.40	-0.50	-0.29	-0.61	-0.03	-0.03
CRMS 0162	-0.09	-0.12	-0.04	-0.14	-0.16	-0.25	-0.67	-0.36	-0.01	-0.31	-0.08	-0.13

Figure WQ NO3 208 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.38	0.67	0.29	0.01	0.01	0.01	0.00	0.08	0.00	0.32	0.71
CRMS0276 - Just east of Wilkinson Canal	1.15	1.36	1.37	1.35	1.21	1.10	0.64	0.58	1.01	0.74	0.89	1.07
Barataria Waterway at Lafitte (USACE82875)	1.30	1.28	1.38	1.36	1.40	1.46	1.44	1.39	1.45	1.27	1.26	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.24	1.41	0.67	0.42	0.04	0.02	0.01	0.00	0.15	0.01	0.32	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.35	0.81	0.34	0.04	0.07	0.19	0.15	0.24	0.09	0.44	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.08	1.33	0.86	0.51	0.10	0.12	0.18	0.19	0.30	0.13	0.40	0.80
USGS 07380335 - Little Lake Near Cutoff	1.03	1.31	0.97	0.69	0.32	0.37	0.38	0.41	0.51	0.34	0.48	0.82
USGS073802516 Barataria Pass at Grand Isle	1.03	1.28	0.84	0.48	0.15	0.16	0.20	0.29	0.31	0.14	0.37	0.74
HWQ14 - Lake Washington	1.14	1.31	0.74	0.33	0.06	0.11	0.20	0.20	0.21	0.07	0.32	0.70
HWQ16 - Bayou Grand Liard	0.89	1.18	1.08	0.91	0.72	0.71	0.60	0.50	0.55	0.37	0.45	0.68
CRMS 3985	1.26	1.34	0.90	0.41	0.10	0.17	0.34	0.33	0.40	0.26	0.59	1.02
CRMS 0258	1.22	1.43	1.02	0.87	0.33	0.28	0.02	0.04	0.57	0.13	0.62	0.96
CRMS 0224	1.15	1.39	0.91	0.71	0.26	0.25	0.07	0.07	0.46	0.13	0.50	0.91
CRMS 0163	1.28	1.21	1.30	1.26	1.36	1.42	1.42	1.38	1.43	1.29	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.14	1.15	1.34	1.44	1.36	1.06	0.90	0.87	1.07

V3PR3 HYST - cy 5 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.16	1.22	1.21	1.23	1.27	1.31	1.30	1.28	1.30	1.36	1.30
CRMS0276 - Just east of Wilkinson Canal	1.04	1.31	1.29	1.19	0.96	0.82	0.39	0.42	0.79	0.45	0.60	0.91
Barataria Waterway at Lafitte (USACE82875)	1.20	1.29	1.38	1.35	1.34	1.43	1.30	1.16	1.20	0.98	1.15	1.27
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.14	1.20	1.19	1.22	1.24	1.26	0.63	0.12	0.12	0.80	1.07
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.26	1.20	0.75	0.49	0.19	0.22	0.10	0.18	0.06	0.39	0.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.11	1.29	1.21	0.69	0.45	0.20	0.26	0.18	0.18	0.08	0.22	0.69
USGS 07380335 - Little Lake Near Cutoff	1.00	1.29	1.13	0.65	0.45	0.33	0.41	0.39	0.36	0.21	0.16	0.65
USGS073802516 Barataria Pass at Grand Isle	1.00	1.27	0.98	0.47	0.21	0.15	0.17	0.20	0.21	0.08	0.16	0.57
HWQ14 - Lake Washington	1.10	1.27	0.98	0.44	0.22	0.17	0.25	0.22	0.17	0.06	0.23	0.60
HWQ16 - Bayou Grand Liard	0.80	1.15	0.97	0.75	0.54	0.53	0.44	0.39	0.42	0.25	0.17	0.50
CRMS 3985	1.15	1.25	1.06	0.55	0.24	0.16	0.19	0.16	0.30	0.21	0.51	0.94
CRMS 0258	1.21	1.33	1.28	0.84	0.31	0.22	0.28	0.05	0.45	0.10	0.40	0.91
CRMS 0224	1.16	1.31	1.25	0.75	0.41	0.27	0.33	0.08	0.32	0.08	0.27	0.80
CRMS 0163	1.21	1.22	1.30	1.24	1.35	1.40	1.31	1.23	1.14	0.93	1.27	1.19
CRMS 0162	1.21	1.19	1.18	1.09	1.10	1.30	1.42	1.25	0.65	0.54	0.84	0.94

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.22	0.55	0.92	1.22	1.26	1.30	1.30	1.20	1.30	1.04	0.59
CRMS0276 - Just east of Wilkinson Canal	-0.10	-0.05	-0.08	-0.16	-0.25	-0.28	-0.25	-0.16	-0.22	-0.30	-0.30	-0.17
Barataria Waterway at Lafitte (USACE82875)	-0.10	0.01	-0.01	-0.01	-0.05	-0.04	-0.14	-0.23	-0.25	-0.29	-0.11	-0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.27	0.53	0.77	1.17	1.22	1.25	0.63	-0.02	0.11	0.48	0.33
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.08	0.39	0.41	0.45	0.12	0.03	-0.05	-0.06	-0.03	-0.04	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	-0.04	0.35	0.19	0.36	0.08	0.08	0.00	-0.12	-0.05	-0.18	-0.10
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.02	0.16	-0.04	0.14	-0.03	0.03	-0.02	-0.15	-0.13	-0.32	-0.17
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.01	0.14	-0.01	0.07	-0.02	-0.02	-0.09	-0.10	-0.06	-0.21	-0.17
HWQ14 - Lake Washington	-0.04	-0.03	0.24	0.11	0.15	0.06	0.05	0.02	-0.03	-0.01	-0.08	-0.10
HWQ16 - Bayou Grand Liard	-0.09	-0.03	-0.11	-0.16	-0.18	-0.18	-0.16	-0.10	-0.12	-0.12	-0.27	-0.18
CRMS 3985	-0.11	-0.08	0.16	0.14	0.13	-0.01	-0.15	-0.17	-0.10	-0.05	-0.08	-0.08
CRMS 0258	-0.02	-0.10	0.26	-0.03	-0.03	-0.06	0.26	0.01	-0.13	-0.03	-0.22	-0.05
CRMS 0224	0.01	-0.08	0.34	0.04	0.15	0.02	0.26	0.02	-0.14	-0.05	-0.23	-0.11
CRMS 0163	-0.06	0.01	0.00	-0.02	-0.01	-0.02	-0.11	-0.15	-0.30	-0.35	-0.07	-0.17
CRMS 0162	-0.04	-0.01	-0.03	-0.05	-0.05	-0.04	-0.02	-0.11	-0.41	-0.36	-0.03	-0.12

Figure WQ NO3 209 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.28	0.61	0.33	0.05	0.01	0.01	0.00	0.07	0.00	0.29	0.73
CRMS0276 - Just east of Wilkinson Canal	1.21	1.30	1.35	1.38	1.33	0.89	0.44	0.43	0.91	0.63	0.77	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.47	1.36	1.35	1.22	1.33	1.38	1.18	1.39	1.18	1.23	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.35	0.76	0.54	0.15	0.02	0.01	0.00	0.13	0.00	0.29	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.24	1.16	0.50	0.21	0.02	0.05	0.15	0.14	0.21	0.08	0.39	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	0.87	0.53	0.19	0.12	0.15	0.15	0.27	0.11	0.24	0.84
USGS 07380335 - Little Lake Near Cutoff	1.09	1.22	1.05	0.77	0.51	0.36	0.32	0.35	0.46	0.29	0.25	0.90
USGS073802516 Barataria Pass at Grand Isle	1.09	1.20	0.77	0.52	0.26	0.17	0.14	0.22	0.27	0.12	0.23	0.79
HWQ14 - Lake Washington	1.18	1.20	0.53	0.21	0.05	0.11	0.18	0.17	0.19	0.07	0.26	0.72
HWQ16 - Bayou Grand Liard	0.91	1.04	0.95	0.98	0.91	0.74	0.57	0.41	0.50	0.32	0.28	0.80
CRMS 3985	1.22	1.06	0.43	0.18	0.05	0.13	0.30	0.31	0.37	0.24	0.54	1.01
CRMS 0258	1.33	1.39	1.17	0.98	0.73	0.20	0.01	0.03	0.50	0.10	0.56	1.16
CRMS 0224	1.23	1.33	1.04	0.83	0.57	0.20	0.05	0.05	0.40	0.10	0.37	1.01
CRMS 0163	1.35	1.42	1.28	1.28	1.14	1.30	1.38	1.16	1.40	1.21	1.33	1.26
CRMS 0162	1.24	1.12	1.18	1.17	1.10	1.28	1.44	1.34	0.96	0.73	0.87	1.21

V3PR3 HYST - cy 5 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.19	1.19	1.06	1.18	1.30	1.29	1.30	1.34	1.34	1.19
CRMS0276 - Just east of Wilkinson Canal	1.14	1.23	1.16	1.32	1.19	0.69	0.31	0.36	0.66	0.36	0.44	1.15
Barataria Waterway at Lafitte (USACE82875)	1.29	1.28	1.32	1.35	1.22	1.27	1.17	1.05	0.99	0.73	1.07	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.33	1.18	1.18	1.06	1.17	1.24	0.01	0.12	0.14	0.79	1.17
USGS7380251 Barataria Bay North of Grand Isle	1.27	1.30	1.24	0.90	0.68	0.14	0.17	0.07	0.15	0.05	0.35	1.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.24	1.23	1.01	0.77	0.17	0.18	0.13	0.15	0.07	0.15	1.11
USGS 07380335 - Little Lake Near Cutoff	1.07	1.20	1.18	1.01	0.78	0.29	0.34	0.32	0.30	0.16	0.09	0.98
USGS073802516 Barataria Pass at Grand Isle	1.08	1.17	1.07	0.70	0.44	0.14	0.13	0.14	0.17	0.06	0.12	0.88
HWQ14 - Lake Washington	1.20	1.24	1.10	0.59	0.37	0.15	0.22	0.16	0.16	0.05	0.20	0.90
HWQ16 - Bayou Grand Liard	0.84	1.02	0.88	0.95	0.81	0.56	0.43	0.32	0.36	0.19	0.12	0.69
CRMS 3985	1.25	1.28	1.23	0.70	0.38	0.14	0.18	0.17	0.29	0.19	0.47	1.01
CRMS 0258	1.32	1.32	1.22	1.10	0.76	0.20	0.16	0.02	0.34	0.09	0.26	1.20
CRMS 0224	1.23	1.29	1.24	1.13	0.87	0.23	0.18	0.04	0.24	0.08	0.14	1.14
CRMS 0163	1.28	1.23	1.26	1.26	1.16	1.29	1.20	1.12	0.91	0.65	1.26	1.26
CRMS 0162	1.17	0.99	1.11	1.13	1.08	1.27	1.43	1.20	0.44	0.36	0.80	1.12

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.58	0.87	1.01	1.17	1.30	1.29	1.22	1.34	1.05	0.47
CRMS0276 - Just east of Wilkinson Canal	-0.07	-0.07	-0.19	-0.06	-0.14	-0.20	-0.13	-0.07	-0.25	-0.27	-0.33	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.07	-0.19	-0.04	-0.01	0.00	-0.06	-0.22	-0.12	-0.40	-0.45	-0.15	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.02	0.42	0.64	0.92	1.15	1.24	0.01	-0.01	0.13	0.49	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.14	0.73	0.70	0.65	0.09	0.02	-0.06	-0.06	-0.02	-0.04	0.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	-0.01	0.36	0.48	0.58	0.05	0.04	-0.03	-0.12	-0.04	-0.09	0.26
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.13	0.24	0.27	-0.07	0.03	-0.03	-0.16	-0.13	-0.17	0.08
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	0.30	0.18	0.19	-0.03	-0.01	-0.08	-0.09	-0.05	-0.11	0.09
HWQ14 - Lake Washington	0.02	0.05	0.57	0.38	0.32	0.04	0.04	-0.01	-0.03	-0.01	-0.06	0.18
HWQ16 - Bayou Grand Liard	-0.07	-0.02	-0.07	-0.03	-0.10	-0.18	-0.15	-0.09	-0.15	-0.13	-0.16	-0.11
CRMS 3985	0.03	0.22	0.79	0.52	0.33	0.01	-0.12	-0.14	-0.09	-0.05	-0.07	0.00
CRMS 0258	-0.01	-0.07	0.05	0.13	0.04	0.00	0.15	-0.01	-0.16	-0.01	-0.30	0.04
CRMS 0224	0.00	-0.04	0.20	0.30	0.29	0.03	0.13	-0.01	-0.16	-0.02	-0.23	0.14
CRMS 0163	-0.07	-0.19	-0.02	-0.02	0.01	-0.01	-0.18	-0.04	-0.49	-0.57	-0.07	0.00
CRMS 0162	-0.07	-0.13	-0.07	-0.04	-0.03	-0.01	-0.01	-0.14	-0.52	-0.36	-0.06	-0.08

Figure WQ NO3 210 - Monthly Average NO3 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.99	1.15	0.58	0.37	0.01	0.00	0.01	0.00	0.04	0.00	0.18	0.47
CRMS0276 - Just east of Wilkinson Canal	0.97	1.27	1.33	1.30	1.15	0.97	0.69	0.41	0.95	0.83	0.81	0.92
Barataria Waterway at Lafitte (USACE82875)	1.23	1.36	1.30	1.19	1.30	1.42	1.41	1.21	1.44	1.27	1.19	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	1.18	0.60	0.51	0.04	0.00	0.00	0.00	0.11	0.02	0.20	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.13	0.73	0.32	0.02	0.03	0.06	0.05	0.11	0.05	0.26	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	1.10	0.80	0.50	0.08	0.07	0.12	0.12	0.19	0.11	0.30	0.56
USGS 07380335 - Little Lake Near Cutoff	0.78	1.10	0.99	0.73	0.28	0.24	0.34	0.33	0.40	0.35	0.40	0.59
USGS073802516 Barataria Pass at Grand Isle	0.77	1.05	0.75	0.48	0.12	0.07	0.13	0.21	0.18	0.12	0.27	0.50
HWQ14 - Lake Washington	0.87	1.07	0.62	0.28	0.03	0.04	0.09	0.07	0.10	0.03	0.18	0.43
HWQ16 - Bayou Grand Liard	0.70	1.01	1.03	0.96	0.70	0.60	0.64	0.43	0.50	0.44	0.40	0.49
CRMS 3985	1.05	1.15	0.86	0.32	0.04	0.06	0.11	0.16	0.26	0.18	0.41	0.78
CRMS 0258	0.98	1.27	1.06	0.92	0.26	0.11	0.01	0.03	0.50	0.24	0.47	0.78
CRMS 0224	0.87	1.20	0.90	0.79	0.22	0.09	0.03	0.02	0.38	0.16	0.37	0.72
CRMS 0163	1.27	1.31	1.23	1.13	1.24	1.38	1.39	1.22	1.40	1.28	1.29	1.35
CRMS 0162	1.24	1.19	1.18	1.09	1.17	1.32	1.42	1.35	1.10	1.03	0.82	0.98

V3PR4 HYST - cy 5 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.24	1.18	1.07	1.15	1.24	1.27	1.30	1.27	1.30	1.36	1.32
CRMS0276 - Just east of Wilkinson Canal	1.02	1.26	1.33	1.32	0.82	0.72	0.51	0.43	0.84	0.65	0.65	1.00
Barataria Waterway at Lafitte (USACE82875)	1.23	1.36	1.31	1.21	1.32	1.37	1.27	1.04	1.29	1.06	1.14	1.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.22	1.15	1.06	1.15	1.21	1.18	0.24	0.14	0.44	0.80	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.15	1.27	1.26	0.95	0.63	0.27	0.26	0.08	0.20	0.14	0.31	0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.07	1.26	1.29	1.10	0.80	0.61	0.70	0.17	0.26	0.35	0.28	0.71
USGS 07380335 - Little Lake Near Cutoff	0.94	1.23	1.33	1.11	0.67	0.55	0.71	0.42	0.45	0.52	0.25	0.72
USGS073802516 Barataria Pass at Grand Isle	0.97	1.21	1.28	0.84	0.31	0.18	0.32	0.21	0.26	0.26	0.19	0.60
HWQ14 - Lake Washington	1.06	1.25	1.24	0.68	0.31	0.21	0.34	0.23	0.20	0.16	0.21	0.54
HWQ16 - Bayou Grand Liard	0.77	1.08	1.14	1.03	0.61	0.52	0.53	0.44	0.47	0.40	0.22	0.63
CRMS 3985	1.13	1.25	1.24	0.71	0.28	0.16	0.21	0.17	0.26	0.17	0.35	0.82
CRMS 0258	1.18	1.32	1.34	1.21	0.41	0.28	0.40	0.05	0.45	0.28	0.50	0.71
CRMS 0224	1.11	1.29	1.32	1.19	0.66	0.57	0.84	0.11	0.36	0.34	0.38	0.75
CRMS 0163	1.25	1.30	1.25	1.15	1.26	1.36	1.26	1.11	1.24	1.05	1.26	1.20
CRMS 0162	1.17	1.14	1.17	1.09	1.13	1.30	1.42	1.23	0.78	0.77	0.85	1.01

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.27	0.09	0.59	0.69	1.14	1.23	1.27	1.30	1.23	1.29	1.17	0.85
CRMS0276 - Just east of Wilkinson Canal	0.05	-0.01	0.00	0.02	-0.33	-0.25	-0.18	0.02	-0.11	-0.17	-0.16	0.08
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.02	0.02	0.02	-0.05	-0.14	-0.17	-0.15	-0.21	-0.05	-0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.03	0.55	0.56	1.11	1.21	1.17	0.24	0.03	0.42	0.60	0.48
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.54	0.63	0.61	0.25	0.20	0.03	0.09	0.10	0.05	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.16	0.49	0.60	0.72	0.55	0.58	0.05	0.06	0.24	-0.02	0.15
USGS 07380335 - Little Lake Near Cutoff	0.17	0.13	0.34	0.38	0.40	0.32	0.37	0.09	0.04	0.17	-0.15	0.13
USGS073802516 Barataria Pass at Grand Isle	0.20	0.16	0.54	0.35	0.19	0.11	0.19	0.00	0.09	0.14	-0.08	0.10
HWQ14 - Lake Washington	0.19	0.18	0.62	0.40	0.28	0.17	0.25	0.16	0.10	0.13	0.03	0.12
HWQ16 - Bayou Grand Liard	0.06	0.07	0.11	0.07	-0.09	-0.08	-0.11	0.02	-0.03	-0.04	-0.18	0.15
CRMS 3985	0.08	0.10	0.37	0.39	0.24	0.10	0.09	0.00	0.00	-0.01	-0.06	0.04
CRMS 0258	0.20	0.05	0.29	0.28	0.15	0.17	0.39	0.02	-0.04	0.05	0.04	-0.07
CRMS 0224	0.23	0.10	0.42	0.40	0.44	0.48	0.80	0.08	-0.02	0.19	0.01	0.03
CRMS 0163	-0.01	0.00	0.01	0.01	0.02	-0.02	-0.13	-0.11	-0.15	-0.23	-0.03	-0.15
CRMS 0162	-0.07	-0.06	-0.01	-0.01	-0.04	-0.01	0.01	-0.12	-0.31	-0.26	0.03	0.04

Figure WQ NO3 211 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.37	0.71	0.36	0.02	0.01	0.01	0.00	0.07	0.00	0.27	0.70
CRMS0276 - Just east of Wilkinson Canal	1.16	1.36	1.38	1.32	1.34	0.71	0.31	0.41	0.73	0.44	0.75	1.18
Barataria Waterway at Lafitte (USACE82875)	1.31	1.32	1.28	1.32	1.35	1.24	1.25	1.04	1.27	0.99	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.39	0.74	0.46	0.09	0.01	0.01	0.00	0.12	0.03	0.26	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.34	0.83	0.41	0.04	0.06	0.13	0.14	0.20	0.06	0.39	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.31	0.94	0.53	0.14	0.10	0.14	0.14	0.21	0.11	0.18	0.81
USGS 07380335 - Little Lake Near Cutoff	1.03	1.29	1.10	0.68	0.41	0.26	0.29	0.23	0.35	0.18	0.18	0.84
USGS073802516 Barataria Pass at Grand Isle	1.03	1.25	0.91	0.51	0.20	0.12	0.13	0.14	0.24	0.08	0.19	0.75
HWQ14 - Lake Washington	1.15	1.29	0.77	0.38	0.07	0.11	0.17	0.16	0.18	0.05	0.25	0.72
HWQ16 - Bayou Grand Liard	0.85	1.15	1.13	0.91	0.85	0.56	0.37	0.13	0.34	0.16	0.26	0.75
CRMS 3985	1.27	1.33	0.92	0.45	0.10	0.15	0.25	0.32	0.37	0.22	0.56	1.01
CRMS 0258	1.28	1.42	1.11	0.84	0.39	0.07	0.01	0.04	0.33	0.12	0.46	1.11
CRMS 0224	1.18	1.37	1.00	0.71	0.35	0.08	0.03	0.07	0.27	0.13	0.25	0.97
CRMS 0163	1.31	1.25	1.21	1.25	1.27	1.28	1.29	1.10	1.29	0.97	1.35	1.34
CRMS 0162	1.25	1.20	1.18	1.16	1.19	1.34	1.47	1.12	0.60	0.41	0.92	1.19

V3PR4 HYST - cy 5 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.18	1.15	1.17	1.17	1.29	1.30	1.35	1.36	1.37	1.29	1.25
CRMS0276 - Just east of Wilkinson Canal	1.10	1.31	1.35	1.17	1.00	0.53	0.19	0.25	0.50	0.20	0.49	1.09
Barataria Waterway at Lafitte (USACE82875)	1.26	1.33	1.29	1.33	1.35	1.19	1.19	0.93	0.69	0.61	1.15	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.16	1.13	1.16	1.17	0.35	0.06	0.02	0.07	0.21	0.65	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.12	1.24	1.22	0.90	0.71	0.08	0.08	0.04	0.03	0.01	0.21	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.12	1.27	1.27	1.04	0.91	0.12	0.07	0.07	0.08	0.02	0.11	0.82
USGS 07380335 - Little Lake Near Cutoff	1.02	1.29	1.32	0.95	0.82	0.26	0.20	0.13	0.18	0.05	0.06	0.73
USGS073802516 Barataria Pass at Grand Isle	1.02	1.27	1.25	0.65	0.41	0.12	0.05	0.07	0.10	0.02	0.09	0.55
HWQ14 - Lake Washington	1.06	1.24	1.17	0.53	0.37	0.13	0.13	0.10	0.05	0.01	0.12	0.44
HWQ16 - Bayou Grand Liard	0.83	1.15	1.13	0.84	0.71	0.48	0.27	0.08	0.19	0.06	0.14	0.57
CRMS 3985	1.06	1.20	1.13	0.60	0.36	0.14	0.16	0.09	0.04	0.01	0.23	0.73
CRMS 0258	1.27	1.33	1.34	0.96	0.60	0.02	0.01	0.03	0.18	0.10	0.19	1.14
CRMS 0224	1.19	1.30	1.31	1.04	0.79	0.04	0.01	0.03	0.13	0.07	0.08	1.00
CRMS 0163	1.27	1.26	1.22	1.25	1.29	1.19	1.23	1.01	0.53	0.55	1.29	1.31
CRMS 0162	1.21	1.18	1.18	1.15	1.16	1.15	1.26	0.90	0.27	0.34	0.86	1.05

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.18	0.44	0.81	1.15	1.29	1.29	1.35	1.29	1.37	1.02	0.55
CRMS0276 - Just east of Wilkinson Canal	-0.07	-0.04	-0.03	-0.15	-0.33	-0.18	-0.12	-0.16	-0.23	-0.23	-0.26	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.05	0.01	0.01	0.00	0.00	-0.05	-0.06	-0.11	-0.58	-0.39	-0.09	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.23	0.40	0.70	1.08	0.34	0.05	0.02	-0.05	0.18	0.39	0.36
USGS7380251 Barataria Bay North of Grand Isle	-0.13	-0.10	0.39	0.49	0.67	0.02	-0.06	-0.10	-0.17	-0.06	-0.18	-0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	-0.04	0.32	0.51	0.77	0.03	-0.06	-0.07	-0.13	-0.08	-0.07	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.21	0.26	0.41	0.00	-0.09	-0.10	-0.17	-0.13	-0.12	-0.11
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.01	0.34	0.14	0.21	0.00	-0.08	-0.07	-0.14	-0.06	-0.10	-0.20
HWQ14 - Lake Washington	-0.09	-0.05	0.40	0.16	0.29	0.02	-0.04	-0.06	-0.13	-0.04	-0.13	-0.28
HWQ16 - Bayou Grand Liard	-0.01	0.00	0.00	-0.07	-0.14	-0.07	-0.10	-0.06	-0.16	-0.10	-0.12	-0.17
CRMS 3985	-0.21	-0.13	0.21	0.14	0.25	-0.01	-0.09	-0.23	-0.33	-0.21	-0.34	-0.28
CRMS 0258	-0.01	-0.09	0.23	0.11	0.21	-0.05	0.00	-0.01	-0.14	-0.02	-0.28	0.03
CRMS 0224	0.01	-0.07	0.31	0.33	0.44	-0.05	-0.02	-0.05	-0.14	-0.06	-0.17	0.04
CRMS 0163	-0.04	0.02	0.01	0.00	0.02	-0.09	-0.06	-0.09	-0.76	-0.43	-0.06	-0.04
CRMS 0162	-0.04	-0.02	0.00	-0.01	-0.03	-0.19	-0.20	-0.23	-0.33	-0.07	-0.06	-0.15

Figure WQ NO3 212 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.23	0.33	0.21	0.02	0.00	0.01	0.00	0.06	0.01	0.45	0.74
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.29	1.29	1.20	0.82	0.25	0.16	0.44	0.52	1.01	1.17
Barataria Waterway at Lafitte (USACE82875)	1.29	1.40	1.46	1.44	1.44	1.53	0.87	0.63	0.67	1.26	1.34	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.31	0.45	0.43	0.08	0.00	0.01	0.01	0.09	0.03	0.48	0.75
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.09	0.31	0.17	0.03	0.05	0.14	0.10	0.15	0.09	0.55	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.22	0.66	0.38	0.10	0.10	0.12	0.08	0.16	0.10	0.43	0.91
USGS 07380335 - Little Lake Near Cutoff	0.95	1.22	0.86	0.60	0.31	0.27	0.24	0.03	0.19	0.10	0.48	0.94
USGS073802516 Barataria Pass at Grand Isle	0.98	1.17	0.65	0.37	0.16	0.16	0.14	0.05	0.17	0.06	0.39	0.86
HWQ14 - Lake Washington	1.13	1.13	0.36	0.13	0.04	0.08	0.16	0.13	0.15	0.04	0.39	0.83
HWQ16 - Bayou Grand Liard	0.76	1.07	0.92	0.84	0.69	0.53	0.22	0.06	0.13	0.08	0.47	0.79
CRMS 3985	1.22	0.97	0.36	0.22	0.07	0.16	0.34	0.31	0.31	0.29	0.71	1.08
CRMS 0258	1.20	1.39	0.93	0.89	0.41	0.17	0.01	0.02	0.19	0.16	0.89	1.06
CRMS 0224	1.10	1.32	0.81	0.71	0.31	0.15	0.02	0.04	0.20	0.19	0.63	0.98
CRMS 0163	1.32	1.35	1.40	1.35	1.41	1.45	0.94	0.79	0.58	1.26	1.37	1.36
CRMS 0162	1.20	1.20	1.13	1.06	1.06	1.07	1.07	0.66	0.24	0.64	1.05	1.18

V3PR4 HYST - cy 5 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.26	1.31	1.27	1.28	1.31	1.35	1.43	1.41	1.31	1.25	1.25
CRMS0276 - Just east of Wilkinson Canal	0.94	1.25	1.18	1.24	0.93	0.62	0.11	0.05	0.24	0.14	0.84	1.11
Barataria Waterway at Lafitte (USACE82875)	1.21	1.34	1.44	1.40	1.37	1.47	0.50	0.31	0.35	0.79	1.30	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.23	1.18	0.82	0.90	0.03	0.07	0.02	0.05	0.24	0.73	1.06
USGS7380251 Barataria Bay North of Grand Isle	0.95	1.19	0.96	0.56	0.23	0.03	0.09	0.03	0.02	0.01	0.19	0.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.21	0.91	0.63	0.42	0.04	0.05	0.04	0.05	0.02	0.25	0.71
USGS 07380335 - Little Lake Near Cutoff	0.79	1.17	0.83	0.72	0.42	0.15	0.13	0.02	0.10	0.03	0.27	0.76
USGS073802516 Barataria Pass at Grand Isle	0.79	1.12	0.73	0.51	0.17	0.04	0.03	0.04	0.06	0.02	0.22	0.55
HWQ14 - Lake Washington	0.85	1.14	0.71	0.39	0.14	0.05	0.11	0.07	0.03	0.01	0.14	0.30
HWQ16 - Bayou Grand Liard	0.70	1.02	0.86	0.82	0.54	0.39	0.15	0.06	0.09	0.03	0.35	0.67
CRMS 3985	0.97	1.14	0.95	0.48	0.13	0.10	0.27	0.10	0.03	0.01	0.14	0.61
CRMS 0258	1.04	1.30	0.85	0.89	0.29	0.08	0.01	0.01	0.15	0.11	0.56	1.10
CRMS 0224	0.92	1.26	0.87	0.75	0.43	0.06	0.01	0.02	0.07	0.05	0.30	0.94
CRMS 0163	1.25	1.28	1.38	1.29	1.36	1.34	0.59	0.31	0.31	0.70	1.36	1.33
CRMS 0162	1.10	1.08	1.06	0.89	0.91	0.84	0.36	0.29	0.22	0.31	0.98	1.06

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.03	0.98	1.06	1.26	1.30	1.34	1.43	1.35	1.31	0.80	0.51
CRMS0276 - Just east of Wilkinson Canal	-0.12	-0.08	-0.11	-0.05	-0.26	-0.20	-0.13	-0.11	-0.21	-0.38	-0.17	-0.06
Barataria Waterway at Lafitte (USACE82875)	-0.08	-0.06	-0.03	-0.04	-0.07	-0.06	-0.37	-0.32	-0.32	-0.47	-0.03	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.11	-0.08	0.73	0.39	0.82	0.03	0.06	0.02	-0.04	0.21	0.25	0.31
USGS7380251 Barataria Bay North of Grand Isle	-0.27	0.09	0.65	0.39	0.21	-0.02	-0.05	-0.07	-0.13	-0.08	-0.35	-0.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.17	-0.01	0.26	0.24	0.32	-0.06	-0.07	-0.04	-0.11	-0.08	-0.19	-0.20
USGS 07380335 - Little Lake Near Cutoff	-0.15	-0.05	-0.03	0.11	0.11	-0.12	-0.11	0.00	-0.09	-0.07	-0.21	-0.18
USGS073802516 Barataria Pass at Grand Isle	-0.19	-0.04	0.09	0.15	0.01	-0.12	-0.11	-0.01	-0.11	-0.04	-0.17	-0.32
HWQ14 - Lake Washington	-0.28	0.01	0.35	0.26	0.09	-0.03	-0.05	-0.06	-0.12	-0.03	-0.25	-0.53
HWQ16 - Bayou Grand Liard	-0.06	-0.05	-0.06	-0.02	-0.15	-0.14	-0.06	0.00	-0.04	-0.04	-0.12	-0.12
CRMS 3985	-0.25	0.17	0.59	0.26	0.06	-0.05	-0.07	-0.22	-0.28	-0.28	-0.57	-0.47
CRMS 0258	-0.16	-0.09	-0.08	0.00	-0.12	-0.09	0.00	-0.01	-0.05	-0.05	-0.32	0.04
CRMS 0224	-0.18	-0.06	0.05	0.03	0.12	-0.09	-0.02	-0.02	-0.13	-0.14	-0.33	-0.04
CRMS 0163	-0.07	-0.06	-0.02	-0.06	-0.05	-0.11	-0.35	-0.49	-0.27	-0.56	-0.01	-0.02
CRMS 0162	-0.10	-0.12	-0.06	-0.17	-0.15	-0.23	-0.71	-0.37	-0.02	-0.33	-0.06	-0.12

Figure WQ NO3 213 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.38	0.67	0.29	0.01	0.01	0.01	0.00	0.08	0.00	0.32	0.71
CRMS0276 - Just east of Wilkinson Canal	1.15	1.36	1.37	1.35	1.21	1.10	0.64	0.58	1.01	0.74	0.89	1.07
Barataria Waterway at Lafitte (USACE82875)	1.30	1.28	1.38	1.36	1.40	1.46	1.44	1.39	1.45	1.27	1.26	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.24	1.41	0.67	0.42	0.04	0.02	0.01	0.00	0.15	0.01	0.32	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.35	0.81	0.34	0.04	0.07	0.19	0.15	0.24	0.09	0.44	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.08	1.33	0.86	0.51	0.10	0.12	0.18	0.19	0.30	0.13	0.40	0.80
USGS 07380335 - Little Lake Near Cutoff	1.03	1.31	0.97	0.69	0.32	0.37	0.38	0.41	0.51	0.34	0.48	0.82
USGS073802516 Barataria Pass at Grand Isle	1.03	1.28	0.84	0.48	0.15	0.16	0.20	0.29	0.31	0.14	0.37	0.74
HWQ14 - Lake Washington	1.14	1.31	0.74	0.33	0.06	0.11	0.20	0.20	0.21	0.07	0.32	0.70
HWQ16 - Bayou Grand Liard	0.89	1.18	1.08	0.91	0.72	0.71	0.60	0.50	0.55	0.37	0.45	0.68
CRMS 3985	1.26	1.34	0.90	0.41	0.10	0.17	0.34	0.33	0.40	0.26	0.59	1.02
CRMS 0258	1.22	1.43	1.02	0.87	0.33	0.28	0.02	0.04	0.57	0.13	0.62	0.96
CRMS 0224	1.15	1.39	0.91	0.71	0.26	0.25	0.07	0.07	0.46	0.13	0.50	0.91
CRMS 0163	1.28	1.21	1.30	1.26	1.36	1.42	1.42	1.38	1.43	1.29	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.14	1.15	1.34	1.44	1.36	1.06	0.90	0.87	1.07

V3PR4 HYST - cy 5 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.16	1.22	1.21	1.23	1.27	1.31	1.29	1.27	1.25	1.34	1.30
CRMS0276 - Just east of Wilkinson Canal	1.06	1.32	1.31	1.19	0.95	0.82	0.50	0.48	0.82	0.46	0.66	0.91
Barataria Waterway at Lafitte (USACE82875)	1.20	1.29	1.37	1.34	1.34	1.41	1.29	1.17	1.23	0.99	1.17	1.27
USGS2928590900040000 Barataria Waterway South of Lafitte	1.17	1.13	1.20	1.19	1.21	1.19	1.12	0.31	0.09	0.14	0.78	1.05
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.26	1.24	0.84	0.66	0.28	0.20	0.10	0.16	0.06	0.41	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.27	1.30	1.00	0.78	0.56	0.67	0.33	0.18	0.08	0.27	0.75
USGS 07380335 - Little Lake Near Cutoff	1.06	1.31	1.28	0.92	0.70	0.55	0.65	0.51	0.39	0.22	0.21	0.69
USGS073802516 Barataria Pass at Grand Isle	1.06	1.30	1.15	0.62	0.35	0.24	0.31	0.29	0.24	0.09	0.19	0.59
HWQ14 - Lake Washington	1.13	1.29	1.10	0.52	0.34	0.25	0.33	0.27	0.17	0.06	0.25	0.63
HWQ16 - Bayou Grand Liard	0.82	1.19	1.03	0.82	0.60	0.60	0.48	0.44	0.44	0.26	0.22	0.51
CRMS 3985	1.16	1.26	1.11	0.60	0.29	0.18	0.19	0.16	0.27	0.20	0.51	0.93
CRMS 0258	1.23	1.32	1.35	0.94	0.43	0.32	0.43	0.05	0.45	0.11	0.48	0.93
CRMS 0224	1.20	1.29	1.34	1.01	0.66	0.56	0.83	0.17	0.34	0.08	0.33	0.85
CRMS 0163	1.22	1.23	1.30	1.24	1.35	1.39	1.30	1.24	1.14	0.94	1.27	1.19
CRMS 0162	1.20	1.18	1.19	1.10	1.10	1.29	1.42	1.24	0.59	0.53	0.82	0.92

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.22	0.55	0.92	1.22	1.26	1.30	1.29	1.19	1.25	1.02	0.59
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.04	-0.06	-0.15	-0.27	-0.28	-0.14	-0.10	-0.19	-0.28	-0.23	-0.16
Barataria Waterway at Lafitte (USACE82875)	-0.10	0.01	-0.01	-0.02	-0.06	-0.05	-0.15	-0.22	-0.21	-0.28	-0.09	-0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.28	0.53	0.77	1.16	1.17	1.11	0.31	-0.06	0.13	0.46	0.31
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.09	0.43	0.50	0.62	0.21	0.01	-0.05	-0.08	-0.03	-0.03	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	-0.06	0.44	0.49	0.68	0.44	0.49	0.14	-0.11	-0.05	-0.13	-0.05
USGS 07380335 - Little Lake Near Cutoff	0.03	-0.01	0.31	0.23	0.38	0.19	0.28	0.10	-0.12	-0.11	-0.27	-0.13
USGS073802516 Barataria Pass at Grand Isle	0.03	0.02	0.31	0.14	0.20	0.07	0.11	0.00	-0.07	-0.04	-0.18	-0.14
HWQ14 - Lake Washington	0.00	-0.02	0.36	0.20	0.28	0.14	0.13	0.08	-0.03	-0.01	-0.06	-0.07
HWQ16 - Bayou Grand Liard	-0.07	0.01	-0.05	-0.10	-0.12	-0.12	-0.12	-0.06	-0.11	-0.12	-0.23	-0.18
CRMS 3985	-0.11	-0.08	0.20	0.19	0.19	0.01	-0.15	-0.17	-0.13	-0.06	-0.08	-0.08
CRMS 0258	0.00	-0.11	0.32	0.07	0.10	0.04	0.40	0.01	-0.12	-0.02	-0.14	-0.03
CRMS 0224	0.05	-0.10	0.42	0.30	0.39	0.31	0.76	0.10	-0.12	-0.05	-0.17	-0.06
CRMS 0163	-0.06	0.01	0.00	-0.02	-0.01	-0.03	-0.12	-0.13	-0.29	-0.35	-0.07	-0.18
CRMS 0162	-0.05	-0.01	-0.02	-0.05	-0.06	-0.05	-0.03	-0.11	-0.47	-0.37	-0.05	-0.15

Figure WQ NO3 214 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.28	0.61	0.33	0.05	0.01	0.01	0.00	0.07	0.00	0.29	0.73
CRMS0276 - Just east of Wilkinson Canal	1.21	1.30	1.35	1.38	1.33	0.89	0.44	0.43	0.91	0.63	0.77	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.47	1.36	1.35	1.22	1.33	1.38	1.18	1.39	1.18	1.23	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.35	0.76	0.54	0.15	0.02	0.01	0.00	0.13	0.00	0.29	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.24	1.16	0.50	0.21	0.02	0.05	0.15	0.14	0.21	0.08	0.39	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	0.87	0.53	0.19	0.12	0.15	0.15	0.27	0.11	0.24	0.84
USGS 07380335 - Little Lake Near Cutoff	1.09	1.22	1.05	0.77	0.51	0.36	0.32	0.35	0.46	0.29	0.25	0.90
USGS073802516 Barataria Pass at Grand Isle	1.09	1.20	0.77	0.52	0.26	0.17	0.14	0.22	0.27	0.12	0.23	0.79
HWQ14 - Lake Washington	1.18	1.20	0.53	0.21	0.05	0.11	0.18	0.17	0.19	0.07	0.26	0.72
HWQ16 - Bayou Grand Liard	0.91	1.04	0.95	0.98	0.91	0.74	0.57	0.41	0.50	0.32	0.28	0.80
CRMS 3985	1.22	1.06	0.43	0.18	0.05	0.13	0.30	0.31	0.37	0.24	0.54	1.01
CRMS 0258	1.33	1.39	1.17	0.98	0.73	0.20	0.01	0.03	0.50	0.10	0.56	1.16
CRMS 0224	1.23	1.33	1.04	0.83	0.57	0.20	0.05	0.05	0.40	0.10	0.37	1.01
CRMS 0163	1.35	1.42	1.28	1.28	1.14	1.30	1.38	1.16	1.40	1.21	1.33	1.26
CRMS 0162	1.24	1.12	1.18	1.17	1.10	1.28	1.44	1.34	0.96	0.73	0.87	1.21

V3PR4 HYST - cy 5 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.19	1.19	1.06	1.18	1.30	1.28	1.27	1.30	1.32	1.20
CRMS0276 - Just east of Wilkinson Canal	1.16	1.25	1.22	1.33	1.20	0.67	0.41	0.39	0.69	0.38	0.50	1.17
Barataria Waterway at Lafitte (USACE82875)	1.30	1.30	1.33	1.35	1.22	1.25	1.13	1.08	1.01	0.80	1.11	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.25	1.31	1.17	1.18	1.06	1.16	1.11	0.01	0.07	0.15	0.73	1.17
USGS7380251 Barataria Bay North of Grand Isle	1.28	1.31	1.24	0.96	0.86	0.27	0.16	0.07	0.14	0.06	0.37	1.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.26	1.25	1.17	1.01	0.57	0.52	0.14	0.14	0.06	0.19	1.18
USGS 07380335 - Little Lake Near Cutoff	1.11	1.21	1.24	1.15	0.98	0.54	0.54	0.37	0.31	0.17	0.11	1.08
USGS073802516 Barataria Pass at Grand Isle	1.13	1.19	1.17	0.87	0.61	0.19	0.21	0.17	0.18	0.07	0.14	1.00
HWQ14 - Lake Washington	1.23	1.26	1.16	0.72	0.51	0.22	0.29	0.19	0.16	0.06	0.21	0.97
HWQ16 - Bayou Grand Liard	0.85	1.03	0.95	1.01	0.87	0.58	0.46	0.34	0.37	0.21	0.14	0.74
CRMS 3985	1.25	1.29	1.24	0.77	0.48	0.17	0.19	0.16	0.28	0.20	0.47	1.03
CRMS 0258	1.36	1.33	1.25	1.21	0.91	0.32	0.27	0.01	0.33	0.09	0.29	1.22
CRMS 0224	1.26	1.30	1.26	1.24	1.01	0.58	0.59	0.05	0.24	0.07	0.16	1.18
CRMS 0163	1.29	1.25	1.26	1.26	1.16	1.28	1.16	1.13	0.93	0.76	1.27	1.27
CRMS 0162	1.16	1.00	1.12	1.13	1.07	1.27	1.43	1.20	0.46	0.42	0.82	1.11

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.58	0.87	1.01	1.17	1.30	1.27	1.20	1.30	1.03	0.47
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.05	-0.14	-0.05	-0.13	-0.22	-0.03	-0.05	-0.22	-0.25	-0.27	-0.08
Barataria Waterway at Lafitte (USACE82875)	-0.06	-0.17	-0.03	-0.01	-0.01	-0.08	-0.25	-0.10	-0.38	-0.38	-0.11	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.04	0.41	0.64	0.91	1.14	1.11	0.01	-0.06	0.15	0.44	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.04	0.15	0.74	0.76	0.84	0.23	0.01	-0.07	-0.07	-0.02	-0.02	0.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.07	0.00	0.38	0.64	0.82	0.44	0.37	-0.01	-0.13	-0.05	-0.05	0.33
USGS 07380335 - Little Lake Near Cutoff	0.02	-0.01	0.19	0.38	0.47	0.17	0.22	0.01	-0.15	-0.12	-0.14	0.17
USGS073802516 Barataria Pass at Grand Isle	0.04	-0.01	0.40	0.35	0.36	0.02	0.07	-0.06	-0.08	-0.05	-0.09	0.21
HWQ14 - Lake Washington	0.05	0.06	0.63	0.51	0.46	0.11	0.11	0.02	-0.03	-0.01	-0.05	0.25
HWQ16 - Bayou Grand Liard	-0.06	-0.01	0.01	0.03	-0.04	-0.16	-0.11	-0.06	-0.13	-0.11	-0.14	-0.06
CRMS 3985	0.04	0.23	0.80	0.59	0.43	0.04	-0.11	-0.15	-0.09	-0.04	-0.07	0.02
CRMS 0258	0.03	-0.05	0.08	0.24	0.18	0.11	0.25	-0.02	-0.17	-0.01	-0.27	0.06
CRMS 0224	0.03	-0.03	0.22	0.41	0.44	0.37	0.54	0.00	-0.16	-0.04	-0.21	0.17
CRMS 0163	-0.06	-0.17	-0.02	-0.02	0.02	-0.02	-0.22	-0.04	-0.47	-0.46	-0.06	0.00
CRMS 0162	-0.08	-0.12	-0.06	-0.04	-0.03	-0.01	-0.01	-0.14	-0.50	-0.30	-0.04	-0.10

Figure WQ NO3 215 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.99	1.15	0.58	0.37	0.01	0.00	0.01	0.00	0.04	0.00	0.18	0.47
CRMS0276 - Just east of Wilkinson Canal	0.97	1.27	1.33	1.30	1.15	0.97	0.69	0.41	0.95	0.83	0.81	0.92
Barataria Waterway at Lafitte (USACE82875)	1.23	1.36	1.30	1.19	1.30	1.42	1.41	1.21	1.44	1.27	1.19	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	1.18	0.60	0.51	0.04	0.00	0.00	0.00	0.11	0.02	0.20	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.13	0.73	0.32	0.02	0.03	0.06	0.05	0.11	0.05	0.26	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	1.10	0.80	0.50	0.08	0.07	0.12	0.12	0.19	0.11	0.30	0.56
USGS 07380335 - Little Lake Near Cutoff	0.78	1.10	0.99	0.73	0.28	0.24	0.34	0.33	0.40	0.35	0.40	0.59
USGS073802516 Barataria Pass at Grand Isle	0.77	1.05	0.75	0.48	0.12	0.07	0.13	0.21	0.18	0.12	0.27	0.50
HWQ14 - Lake Washington	0.87	1.07	0.62	0.28	0.03	0.04	0.09	0.07	0.10	0.03	0.18	0.43
HWQ16 - Bayou Grand Liard	0.70	1.01	1.03	0.96	0.70	0.60	0.64	0.43	0.50	0.44	0.40	0.49
CRMS 3985	1.05	1.15	0.86	0.32	0.04	0.06	0.11	0.16	0.26	0.18	0.41	0.78
CRMS 0258	0.98	1.27	1.06	0.92	0.26	0.11	0.01	0.03	0.50	0.24	0.47	0.78
CRMS 0224	0.87	1.20	0.90	0.79	0.22	0.09	0.03	0.02	0.38	0.16	0.37	0.72
CRMS 0163	1.27	1.31	1.23	1.13	1.24	1.38	1.39	1.22	1.40	1.28	1.29	1.35
CRMS 0162	1.24	1.19	1.18	1.09	1.17	1.32	1.42	1.35	1.10	1.03	0.82	0.98

V3PR5 HYST - cy 5 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.24	1.18	1.07	1.15	1.24	1.28	1.32	1.29	1.33	1.37	1.33
CRMS0276 - Just east of Wilkinson Canal	1.02	1.26	1.33	1.31	0.81	0.69	0.46	0.41	0.84	0.70	0.70	0.99
Barataria Waterway at Lafitte (USACE82875)	1.22	1.36	1.32	1.21	1.32	1.35	1.26	1.08	1.29	1.11	1.15	1.23
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.22	1.16	1.07	1.15	1.24	1.23	0.30	0.13	0.43	0.80	0.99
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.28	1.27	1.03	0.80	0.57	0.57	0.12	0.25	0.21	0.33	0.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.07	1.26	1.30	1.11	0.73	0.47	0.62	0.17	0.25	0.32	0.31	0.73
USGS 07380335 - Little Lake Near Cutoff	0.94	1.24	1.33	1.11	0.61	0.45	0.62	0.41	0.44	0.49	0.30	0.74
USGS073802516 Barataria Pass at Grand Isle	0.97	1.22	1.29	0.84	0.29	0.17	0.30	0.20	0.26	0.25	0.22	0.62
HWQ14 - Lake Washington	1.08	1.26	1.26	0.74	0.31	0.24	0.38	0.25	0.22	0.18	0.23	0.59
HWQ16 - Bayou Grand Liard	0.78	1.08	1.14	1.02	0.59	0.49	0.51	0.44	0.47	0.40	0.26	0.63
CRMS 3985	1.16	1.28	1.27	0.79	0.32	0.22	0.30	0.19	0.28	0.20	0.37	0.86
CRMS 0258	1.16	1.32	1.34	1.18	0.37	0.24	0.34	0.03	0.46	0.24	0.56	0.71
CRMS 0224	1.09	1.29	1.33	1.18	0.56	0.39	0.62	0.07	0.36	0.28	0.42	0.75
CRMS 0163	1.25	1.31	1.25	1.15	1.26	1.35	1.25	1.15	1.25	1.08	1.27	1.19
CRMS 0162	1.18	1.15	1.18	1.09	1.15	1.30	1.42	1.24	0.80	0.79	0.85	1.00

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.27	0.09	0.59	0.69	1.14	1.23	1.27	1.32	1.26	1.33	1.19	0.86
CRMS0276 - Just east of Wilkinson Canal	0.04	-0.01	0.00	0.02	-0.33	-0.28	-0.23	0.00	-0.11	-0.13	-0.11	0.06
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.02	0.02	0.02	-0.07	-0.15	-0.13	-0.15	-0.16	-0.03	-0.11
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.04	0.56	0.56	1.11	1.23	1.22	0.30	0.02	0.41	0.59	0.48
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.15	0.54	0.71	0.79	0.54	0.51	0.07	0.14	0.17	0.07	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.26	0.16	0.50	0.61	0.65	0.41	0.49	0.05	0.06	0.21	0.01	0.16
USGS 07380335 - Little Lake Near Cutoff	0.17	0.14	0.34	0.38	0.33	0.21	0.29	0.08	0.04	0.14	-0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.21	0.17	0.54	0.36	0.17	0.10	0.17	-0.01	0.08	0.12	-0.05	0.13
HWQ14 - Lake Washington	0.21	0.20	0.64	0.46	0.29	0.20	0.29	0.18	0.12	0.15	0.05	0.16
HWQ16 - Bayou Grand Liard	0.08	0.07	0.11	0.06	-0.11	-0.11	-0.13	0.02	-0.04	-0.03	-0.15	0.14
CRMS 3985	0.11	0.13	0.41	0.47	0.27	0.17	0.18	0.03	0.02	0.03	-0.04	0.07
CRMS 0258	0.18	0.05	0.29	0.26	0.11	0.13	0.33	0.00	-0.04	0.01	0.09	-0.07
CRMS 0224	0.22	0.10	0.43	0.39	0.35	0.30	0.59	0.05	-0.02	0.13	0.04	0.03
CRMS 0163	-0.02	0.00	0.02	0.01	0.02	-0.03	-0.14	-0.08	-0.15	-0.20	-0.03	-0.16
CRMS 0162	-0.06	-0.05	0.00	-0.01	-0.03	-0.02	0.00	-0.11	-0.30	-0.24	0.03	0.02

Figure WQ NO3 216 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.37	0.71	0.36	0.02	0.01	0.01	0.00	0.07	0.00	0.27	0.70
CRMS0276 - Just east of Wilkinson Canal	1.16	1.36	1.38	1.32	1.34	0.71	0.31	0.41	0.73	0.44	0.75	1.18
Barataria Waterway at Lafitte (USACE82875)	1.31	1.32	1.28	1.32	1.35	1.24	1.25	1.04	1.27	0.99	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.39	0.74	0.46	0.09	0.01	0.01	0.00	0.12	0.03	0.26	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.34	0.83	0.41	0.04	0.06	0.13	0.14	0.20	0.06	0.39	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.31	0.94	0.53	0.14	0.10	0.14	0.14	0.21	0.11	0.18	0.81
USGS 07380335 - Little Lake Near Cutoff	1.03	1.29	1.10	0.68	0.41	0.26	0.29	0.23	0.35	0.18	0.18	0.84
USGS073802516 Barataria Pass at Grand Isle	1.03	1.25	0.91	0.51	0.20	0.12	0.13	0.14	0.24	0.08	0.19	0.75
HWQ14 - Lake Washington	1.15	1.29	0.77	0.38	0.07	0.11	0.17	0.16	0.18	0.05	0.25	0.72
HWQ16 - Bayou Grand Liard	0.85	1.15	1.13	0.91	0.85	0.56	0.37	0.13	0.34	0.16	0.26	0.75
CRMS 3985	1.27	1.33	0.92	0.45	0.10	0.15	0.25	0.32	0.37	0.22	0.56	1.01
CRMS 0258	1.28	1.42	1.11	0.84	0.39	0.07	0.01	0.04	0.33	0.12	0.46	1.11
CRMS 0224	1.18	1.37	1.00	0.71	0.35	0.08	0.03	0.07	0.27	0.13	0.25	0.97
CRMS 0163	1.31	1.25	1.21	1.25	1.27	1.28	1.29	1.10	1.29	0.97	1.35	1.34
CRMS 0162	1.25	1.20	1.18	1.16	1.19	1.34	1.47	1.12	0.60	0.41	0.92	1.19

V3PR5 HYST - cy 5 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.18	1.15	1.17	1.17	1.31	1.31	1.37	1.39	1.41	1.31	1.25
CRMS0276 - Just east of Wilkinson Canal	1.11	1.31	1.34	1.15	1.00	0.52	0.19	0.24	0.48	0.19	0.48	1.09
Barataria Waterway at Lafitte (USACE82875)	1.27	1.33	1.29	1.33	1.35	1.19	1.18	0.92	0.67	0.59	1.13	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.17	1.14	1.17	1.17	0.36	0.07	0.02	0.06	0.20	0.64	1.09
USGS7380251 Barataria Bay North of Grand Isle	1.17	1.25	1.23	1.01	0.91	0.12	0.08	0.04	0.04	0.01	0.22	0.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.13	1.28	1.28	1.01	0.86	0.12	0.08	0.07	0.08	0.03	0.11	0.80
USGS 07380335 - Little Lake Near Cutoff	1.04	1.29	1.32	0.90	0.77	0.26	0.20	0.13	0.18	0.05	0.06	0.71
USGS073802516 Barataria Pass at Grand Isle	1.03	1.27	1.26	0.63	0.41	0.12	0.05	0.08	0.10	0.02	0.09	0.55
HWQ14 - Lake Washington	1.09	1.25	1.21	0.56	0.40	0.16	0.13	0.11	0.05	0.01	0.12	0.48
HWQ16 - Bayou Grand Liard	0.86	1.15	1.12	0.81	0.69	0.48	0.27	0.08	0.18	0.06	0.14	0.58
CRMS 3985	1.11	1.23	1.20	0.66	0.46	0.17	0.17	0.10	0.04	0.01	0.23	0.78
CRMS 0258	1.26	1.33	1.33	0.91	0.56	0.02	0.01	0.03	0.17	0.14	0.15	1.12
CRMS 0224	1.18	1.31	1.32	0.98	0.72	0.03	0.01	0.03	0.11	0.07	0.06	0.97
CRMS 0163	1.28	1.26	1.22	1.25	1.28	1.20	1.22	1.00	0.51	0.54	1.30	1.31
CRMS 0162	1.22	1.18	1.17	1.13	1.16	1.17	1.25	0.90	0.27	0.33	0.86	1.07

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.18	0.44	0.81	1.15	1.31	1.30	1.37	1.33	1.40	1.04	0.55
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.05	-0.04	-0.18	-0.34	-0.19	-0.12	-0.16	-0.25	-0.25	-0.27	-0.10
Barataria Waterway at Lafitte (USACE82875)	-0.05	0.01	0.01	0.00	0.01	-0.05	-0.08	-0.12	-0.60	-0.40	-0.11	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.23	0.40	0.70	1.09	0.35	0.06	0.02	-0.06	0.17	0.37	0.35
USGS7380251 Barataria Bay North of Grand Isle	-0.08	-0.09	0.41	0.60	0.87	0.06	-0.05	-0.10	-0.16	-0.05	-0.17	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.03	-0.03	0.34	0.48	0.71	0.02	-0.06	-0.07	-0.13	-0.08	-0.07	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.22	0.22	0.36	0.00	-0.09	-0.10	-0.17	-0.13	-0.12	-0.13
USGS073802516 Barataria Pass at Grand Isle	0.00	0.02	0.35	0.12	0.22	0.00	-0.08	-0.07	-0.14	-0.06	-0.10	-0.20
HWQ14 - Lake Washington	-0.06	-0.04	0.44	0.18	0.33	0.05	-0.03	-0.05	-0.12	-0.04	-0.13	-0.24
HWQ16 - Bayou Grand Liard	0.02	0.00	0.00	-0.10	-0.16	-0.07	-0.10	-0.05	-0.17	-0.11	-0.12	-0.17
CRMS 3985	-0.17	-0.10	0.28	0.21	0.35	0.02	-0.08	-0.22	-0.33	-0.21	-0.33	-0.23
CRMS 0258	-0.02	-0.09	0.22	0.07	0.18	-0.05	0.00	-0.01	-0.16	0.02	-0.32	0.01
CRMS 0224	0.00	-0.07	0.32	0.27	0.37	-0.05	-0.02	-0.05	-0.16	-0.06	-0.18	0.00
CRMS 0163	-0.03	0.02	0.01	-0.01	0.01	-0.08	-0.07	-0.11	-0.78	-0.43	-0.06	-0.03
CRMS 0162	-0.03	-0.02	-0.01	-0.02	-0.03	-0.17	-0.22	-0.22	-0.33	-0.07	-0.07	-0.13

Figure WQ NO3 217 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.23	0.33	0.21	0.02	0.00	0.01	0.00	0.06	0.01	0.45	0.74
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.29	1.29	1.20	0.82	0.25	0.16	0.44	0.52	1.01	1.17
Barataria Waterway at Lafitte (USACE82875)	1.29	1.40	1.46	1.44	1.44	1.53	0.87	0.63	0.67	1.26	1.34	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.31	0.45	0.43	0.08	0.00	0.01	0.01	0.09	0.03	0.48	0.75
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.09	0.31	0.17	0.03	0.05	0.14	0.10	0.15	0.09	0.55	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.22	0.66	0.38	0.10	0.10	0.12	0.08	0.16	0.10	0.43	0.91
USGS 07380335 - Little Lake Near Cutoff	0.95	1.22	0.86	0.60	0.31	0.27	0.24	0.03	0.19	0.10	0.48	0.94
USGS073802516 Barataria Pass at Grand Isle	0.98	1.17	0.65	0.37	0.16	0.16	0.14	0.05	0.17	0.06	0.39	0.86
HWQ14 - Lake Washington	1.13	1.13	0.36	0.13	0.04	0.08	0.16	0.13	0.15	0.04	0.39	0.83
HWQ16 - Bayou Grand Liard	0.76	1.07	0.92	0.84	0.69	0.53	0.22	0.06	0.13	0.08	0.47	0.79
CRMS 3985	1.22	0.97	0.36	0.22	0.07	0.16	0.34	0.31	0.31	0.29	0.71	1.08
CRMS 0258	1.20	1.39	0.93	0.89	0.41	0.17	0.01	0.02	0.19	0.16	0.89	1.06
CRMS 0224	1.10	1.32	0.81	0.71	0.31	0.15	0.02	0.04	0.20	0.19	0.63	0.98
CRMS 0163	1.32	1.35	1.40	1.35	1.41	1.45	0.94	0.79	0.58	1.26	1.37	1.36
CRMS 0162	1.20	1.20	1.13	1.06	1.06	1.07	1.07	0.66	0.24	0.64	1.05	1.18

V3PR5 HYST - cy 5 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.26	1.31	1.28	1.30	1.33	1.36	1.45	1.44	1.35	1.27	1.27
CRMS0276 - Just east of Wilkinson Canal	0.92	1.24	1.17	1.23	0.92	0.56	0.11	0.05	0.23	0.15	0.83	1.08
Barataria Waterway at Lafitte (USACE82875)	1.19	1.34	1.43	1.40	1.37	1.46	0.51	0.33	0.34	0.81	1.29	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.13	1.24	1.18	0.80	0.91	0.05	0.09	0.03	0.05	0.19	0.70	1.04
USGS7380251 Barataria Bay North of Grand Isle	0.97	1.21	1.06	0.61	0.37	0.04	0.09	0.03	0.03	0.01	0.20	0.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.86	1.20	0.89	0.63	0.36	0.04	0.05	0.04	0.05	0.02	0.21	0.70
USGS 07380335 - Little Lake Near Cutoff	0.78	1.16	0.81	0.71	0.37	0.14	0.13	0.02	0.10	0.03	0.24	0.73
USGS073802516 Barataria Pass at Grand Isle	0.78	1.12	0.73	0.51	0.17	0.04	0.04	0.04	0.06	0.02	0.20	0.54
HWQ14 - Lake Washington	0.86	1.15	0.76	0.42	0.16	0.06	0.12	0.08	0.03	0.01	0.13	0.31
HWQ16 - Bayou Grand Liard	0.69	1.01	0.85	0.81	0.53	0.38	0.15	0.05	0.09	0.04	0.33	0.63
CRMS 3985	0.98	1.16	1.03	0.53	0.19	0.12	0.28	0.10	0.03	0.01	0.14	0.62
CRMS 0258	1.01	1.29	0.81	0.87	0.25	0.09	0.01	0.01	0.14	0.09	0.51	1.08
CRMS 0224	0.90	1.25	0.81	0.73	0.33	0.07	0.01	0.02	0.07	0.04	0.23	0.92
CRMS 0163	1.24	1.28	1.38	1.29	1.34	1.33	0.59	0.33	0.30	0.74	1.36	1.32
CRMS 0162	1.10	1.08	1.05	0.93	0.87	0.74	0.40	0.31	0.24	0.33	0.98	1.05

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.03	0.98	1.07	1.28	1.32	1.35	1.45	1.38	1.34	0.82	0.52
CRMS0276 - Just east of Wilkinson Canal	-0.14	-0.09	-0.12	-0.06	-0.27	-0.26	-0.13	-0.11	-0.21	-0.38	-0.18	-0.08
Barataria Waterway at Lafitte (USACE82875)	-0.10	-0.07	-0.03	-0.05	-0.07	-0.06	-0.36	-0.30	-0.34	-0.45	-0.04	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.10	-0.07	0.73	0.37	0.83	0.04	0.09	0.03	-0.04	0.16	0.21	0.29
USGS7380251 Barataria Bay North of Grand Isle	-0.25	0.12	0.75	0.44	0.34	-0.01	-0.05	-0.07	-0.13	-0.08	-0.35	-0.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.18	-0.02	0.23	0.24	0.26	-0.05	-0.07	-0.04	-0.10	-0.07	-0.22	-0.21
USGS 07380335 - Little Lake Near Cutoff	-0.17	-0.06	-0.05	0.10	0.06	-0.12	-0.11	-0.01	-0.09	-0.07	-0.25	-0.21
USGS073802516 Barataria Pass at Grand Isle	-0.19	-0.04	0.09	0.14	0.01	-0.11	-0.10	-0.01	-0.11	-0.04	-0.19	-0.32
HWQ14 - Lake Washington	-0.27	0.01	0.40	0.28	0.12	-0.02	-0.04	-0.06	-0.12	-0.03	-0.26	-0.52
HWQ16 - Bayou Grand Liard	-0.08	-0.06	-0.06	-0.03	-0.16	-0.15	-0.07	0.00	-0.04	-0.04	-0.14	-0.16
CRMS 3985	-0.23	0.19	0.67	0.31	0.11	-0.04	-0.07	-0.21	-0.28	-0.28	-0.57	-0.46
CRMS 0258	-0.19	-0.10	-0.12	-0.02	-0.16	-0.09	0.00	-0.01	-0.05	-0.07	-0.38	0.02
CRMS 0224	-0.20	-0.07	0.00	0.02	0.01	-0.08	-0.02	-0.02	-0.14	-0.15	-0.40	-0.06
CRMS 0163	-0.08	-0.07	-0.02	-0.06	-0.07	-0.12	-0.35	-0.47	-0.27	-0.52	-0.01	-0.03
CRMS 0162	-0.10	-0.12	-0.07	-0.12	-0.19	-0.32	-0.67	-0.35	0.00	-0.31	-0.07	-0.13

Figure WQ NO3 218 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.38	0.67	0.29	0.01	0.01	0.01	0.00	0.08	0.00	0.32	0.71
CRMS0276 - Just east of Wilkinson Canal	1.15	1.36	1.37	1.35	1.21	1.10	0.64	0.58	1.01	0.74	0.89	1.07
Barataria Waterway at Lafitte (USACE82875)	1.30	1.28	1.38	1.36	1.40	1.46	1.44	1.39	1.45	1.27	1.26	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.24	1.41	0.67	0.42	0.04	0.02	0.01	0.00	0.15	0.01	0.32	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.35	0.81	0.34	0.04	0.07	0.19	0.15	0.24	0.09	0.44	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.08	1.33	0.86	0.51	0.10	0.12	0.18	0.19	0.30	0.13	0.40	0.80
USGS 07380335 - Little Lake Near Cutoff	1.03	1.31	0.97	0.69	0.32	0.37	0.38	0.41	0.51	0.34	0.48	0.82
USGS073802516 Barataria Pass at Grand Isle	1.03	1.28	0.84	0.48	0.15	0.16	0.20	0.29	0.31	0.14	0.37	0.74
HWQ14 - Lake Washington	1.14	1.31	0.74	0.33	0.06	0.11	0.20	0.20	0.21	0.07	0.32	0.70
HWQ16 - Bayou Grand Liard	0.89	1.18	1.08	0.91	0.72	0.71	0.60	0.50	0.55	0.37	0.45	0.68
CRMS 3985	1.26	1.34	0.90	0.41	0.10	0.17	0.34	0.33	0.40	0.26	0.59	1.02
CRMS 0258	1.22	1.43	1.02	0.87	0.33	0.28	0.02	0.04	0.57	0.13	0.62	0.96
CRMS 0224	1.15	1.39	0.91	0.71	0.26	0.25	0.07	0.07	0.46	0.13	0.50	0.91
CRMS 0163	1.28	1.21	1.30	1.26	1.36	1.42	1.42	1.38	1.43	1.29	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.14	1.15	1.34	1.44	1.36	1.06	0.90	0.87	1.07

V3PR5 HYST - cy 5 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.21	1.16	1.22	1.21	1.23	1.27	1.31	1.32	1.30	1.30	1.35	1.31
CRMS0276 - Just east of Wilkinson Canal	1.07	1.32	1.30	1.17	0.91	0.78	0.43	0.44	0.82	0.45	0.60	0.94
Barataria Waterway at Lafitte (USACE82875)	1.20	1.29	1.38	1.35	1.34	1.41	1.28	1.18	1.23	0.97	1.16	1.29
USGS2928590900040000 Barataria Waterway South of Lafitte	1.18	1.14	1.20	1.20	1.22	1.24	1.24	0.39	0.08	0.13	0.74	1.05
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.25	1.28	0.95	0.83	0.52	0.51	0.18	0.16	0.06	0.43	0.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.17	1.28	1.30	0.94	0.73	0.45	0.58	0.26	0.18	0.08	0.24	0.75
USGS 07380335 - Little Lake Near Cutoff	1.06	1.31	1.26	0.85	0.65	0.48	0.57	0.45	0.37	0.21	0.16	0.68
USGS073802516 Barataria Pass at Grand Isle	1.08	1.30	1.16	0.60	0.35	0.23	0.28	0.25	0.23	0.09	0.18	0.61
HWQ14 - Lake Washington	1.16	1.30	1.16	0.55	0.38	0.29	0.36	0.29	0.18	0.07	0.26	0.66
HWQ16 - Bayou Grand Liard	0.83	1.19	1.02	0.79	0.57	0.57	0.45	0.42	0.44	0.25	0.18	0.53
CRMS 3985	1.19	1.28	1.19	0.66	0.41	0.26	0.27	0.20	0.28	0.21	0.52	0.96
CRMS 0258	1.23	1.32	1.32	0.90	0.37	0.25	0.33	0.03	0.43	0.12	0.36	0.93
CRMS 0224	1.20	1.30	1.32	0.89	0.56	0.37	0.59	0.08	0.31	0.08	0.24	0.83
CRMS 0163	1.21	1.23	1.30	1.25	1.35	1.39	1.28	1.26	1.15	0.92	1.27	1.21
CRMS 0162	1.20	1.18	1.20	1.10	1.08	1.28	1.41	1.24	0.63	0.53	0.83	0.92

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.22	0.55	0.92	1.23	1.27	1.30	1.31	1.22	1.30	1.03	0.60
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.04	-0.07	-0.17	-0.30	-0.31	-0.21	-0.14	-0.19	-0.30	-0.30	-0.14
Barataria Waterway at Lafitte (USACE82875)	-0.10	0.01	-0.01	-0.01	-0.06	-0.06	-0.17	-0.21	-0.22	-0.30	-0.10	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.27	0.54	0.77	1.18	1.22	1.23	0.38	-0.07	0.12	0.42	0.31
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.10	0.48	0.62	0.79	0.46	0.32	0.03	-0.08	-0.03	0.00	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	-0.05	0.44	0.44	0.63	0.33	0.41	0.08	-0.12	-0.05	-0.16	-0.04
USGS 07380335 - Little Lake Near Cutoff	0.03	0.00	0.28	0.16	0.33	0.11	0.20	0.04	-0.14	-0.13	-0.32	-0.13
USGS073802516 Barataria Pass at Grand Isle	0.05	0.03	0.32	0.12	0.20	0.07	0.08	-0.04	-0.07	-0.05	-0.19	-0.13
HWQ14 - Lake Washington	0.02	-0.01	0.42	0.23	0.32	0.18	0.16	0.09	-0.02	-0.01	-0.05	-0.03
HWQ16 - Bayou Grand Liard	-0.06	0.00	-0.06	-0.12	-0.15	-0.14	-0.15	-0.07	-0.11	-0.13	-0.27	-0.16
CRMS 3985	-0.07	-0.06	0.29	0.25	0.30	0.09	-0.07	-0.14	-0.11	-0.06	-0.07	-0.05
CRMS 0258	0.00	-0.11	0.30	0.02	0.03	-0.04	0.30	-0.01	-0.14	-0.01	-0.26	-0.02
CRMS 0224	0.05	-0.09	0.40	0.18	0.29	0.12	0.52	0.02	-0.15	-0.04	-0.26	-0.07
CRMS 0163	-0.06	0.01	0.00	-0.02	-0.01	-0.03	-0.14	-0.12	-0.29	-0.36	-0.07	-0.16
CRMS 0162	-0.05	-0.01	-0.01	-0.05	-0.07	-0.05	-0.03	-0.11	-0.43	-0.38	-0.04	-0.14

Figure WQ NO3 219 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.28	0.61	0.33	0.05	0.01	0.01	0.00	0.07	0.00	0.29	0.73
CRMS0276 - Just east of Wilkinson Canal	1.21	1.30	1.35	1.38	1.33	0.89	0.44	0.43	0.91	0.63	0.77	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.47	1.36	1.35	1.22	1.33	1.38	1.18	1.39	1.18	1.23	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.35	0.76	0.54	0.15	0.02	0.01	0.00	0.13	0.00	0.29	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.24	1.16	0.50	0.21	0.02	0.05	0.15	0.14	0.21	0.08	0.39	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	0.87	0.53	0.19	0.12	0.15	0.15	0.27	0.11	0.24	0.84
USGS 07380335 - Little Lake Near Cutoff	1.09	1.22	1.05	0.77	0.51	0.36	0.32	0.35	0.46	0.29	0.25	0.90
USGS073802516 Barataria Pass at Grand Isle	1.09	1.20	0.77	0.52	0.26	0.17	0.14	0.22	0.27	0.12	0.23	0.79
HWQ14 - Lake Washington	1.18	1.20	0.53	0.21	0.05	0.11	0.18	0.17	0.19	0.07	0.26	0.72
HWQ16 - Bayou Grand Liard	0.91	1.04	0.95	0.98	0.91	0.74	0.57	0.41	0.50	0.32	0.28	0.80
CRMS 3985	1.22	1.06	0.43	0.18	0.05	0.13	0.30	0.31	0.37	0.24	0.54	1.01
CRMS 0258	1.33	1.39	1.17	0.98	0.73	0.20	0.01	0.03	0.50	0.10	0.56	1.16
CRMS 0224	1.23	1.33	1.04	0.83	0.57	0.20	0.05	0.05	0.40	0.10	0.37	1.01
CRMS 0163	1.35	1.42	1.28	1.28	1.14	1.30	1.38	1.16	1.40	1.21	1.33	1.26
CRMS 0162	1.24	1.12	1.18	1.17	1.10	1.28	1.44	1.34	0.96	0.73	0.87	1.21

V3PR5 HYST - cy 5 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.19	1.19	1.04	1.18	1.31	1.30	1.30	1.33	1.33	1.20
CRMS0276 - Just east of Wilkinson Canal	1.18	1.24	1.20	1.32	1.18	0.65	0.36	0.37	0.67	0.37	0.46	1.17
Barataria Waterway at Lafitte (USACE82875)	1.31	1.28	1.32	1.35	1.20	1.26	1.14	1.08	1.00	0.73	1.09	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.27	1.32	1.18	1.19	1.05	1.17	1.21	0.02	0.07	0.15	0.71	1.18
USGS7380251 Barataria Bay North of Grand Isle	1.32	1.33	1.26	1.09	0.97	0.56	0.37	0.07	0.14	0.06	0.39	1.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.23	1.27	1.26	1.16	0.99	0.46	0.41	0.13	0.14	0.07	0.18	1.17
USGS 07380335 - Little Lake Near Cutoff	1.12	1.22	1.24	1.13	0.95	0.44	0.46	0.36	0.30	0.16	0.10	1.05
USGS073802516 Barataria Pass at Grand Isle	1.15	1.21	1.18	0.86	0.61	0.18	0.20	0.16	0.19	0.07	0.14	0.99
HWQ14 - Lake Washington	1.26	1.28	1.20	0.76	0.55	0.25	0.30	0.20	0.17	0.06	0.22	1.00
HWQ16 - Bayou Grand Liard	0.87	1.04	0.94	1.00	0.85	0.55	0.45	0.34	0.37	0.19	0.13	0.74
CRMS 3985	1.29	1.31	1.26	0.85	0.61	0.22	0.23	0.18	0.29	0.20	0.48	1.09
CRMS 0258	1.36	1.33	1.23	1.18	0.86	0.27	0.20	0.01	0.33	0.10	0.23	1.20
CRMS 0224	1.27	1.31	1.26	1.21	0.97	0.40	0.34	0.04	0.23	0.08	0.13	1.15
CRMS 0163	1.29	1.24	1.26	1.27	1.14	1.28	1.18	1.12	0.92	0.66	1.27	1.27
CRMS 0162	1.17	0.98	1.11	1.13	1.06	1.26	1.42	1.18	0.45	0.40	0.82	1.11

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.58	0.87	1.00	1.17	1.30	1.30	1.23	1.33	1.04	0.47
CRMS0276 - Just east of Wilkinson Canal	-0.03	-0.06	-0.16	-0.05	-0.15	-0.24	-0.08	-0.06	-0.24	-0.27	-0.31	-0.08
Barataria Waterway at Lafitte (USACE82875)	-0.05	-0.18	-0.03	-0.01	-0.02	-0.07	-0.24	-0.10	-0.39	-0.45	-0.13	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.03	0.42	0.65	0.90	1.15	1.20	0.01	-0.06	0.14	0.42	0.41
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.17	0.75	0.88	0.95	0.51	0.22	-0.07	-0.07	-0.02	0.00	0.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.02	0.38	0.63	0.80	0.34	0.27	-0.02	-0.13	-0.05	-0.06	0.32
USGS 07380335 - Little Lake Near Cutoff	0.04	0.00	0.19	0.36	0.44	0.07	0.15	0.00	-0.16	-0.12	-0.16	0.15
USGS073802516 Barataria Pass at Grand Isle	0.06	0.01	0.41	0.35	0.35	0.01	0.06	-0.06	-0.08	-0.05	-0.09	0.20
HWQ14 - Lake Washington	0.08	0.08	0.67	0.55	0.50	0.14	0.13	0.03	-0.02	-0.01	-0.04	0.28
HWQ16 - Bayou Grand Liard	-0.04	0.00	-0.01	0.02	-0.06	-0.19	-0.12	-0.06	-0.13	-0.12	-0.15	-0.06
CRMS 3985	0.07	0.25	0.83	0.67	0.56	0.10	-0.06	-0.13	-0.09	-0.04	-0.06	0.08
CRMS 0258	0.03	-0.06	0.06	0.20	0.13	0.07	0.18	-0.02	-0.17	-0.01	-0.33	0.04
CRMS 0224	0.05	-0.02	0.21	0.39	0.40	0.19	0.30	0.00	-0.17	-0.02	-0.24	0.14
CRMS 0163	-0.06	-0.18	-0.02	-0.02	0.00	-0.02	-0.20	-0.04	-0.47	-0.55	-0.06	0.00
CRMS 0162	-0.07	-0.14	-0.07	-0.04	-0.04	-0.01	-0.02	-0.16	-0.51	-0.33	-0.05	-0.09

Figure WQ NO3 220 - Monthly Average NO3 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.99	1.15	0.58	0.37	0.01	0.00	0.01	0.00	0.04	0.00	0.18	0.47
CRMS0276 - Just east of Wilkinson Canal	0.97	1.27	1.33	1.30	1.15	0.97	0.69	0.41	0.95	0.83	0.81	0.92
Barataria Waterway at Lafitte (USACE82875)	1.23	1.36	1.30	1.19	1.30	1.42	1.41	1.21	1.44	1.27	1.19	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	1.18	0.60	0.51	0.04	0.00	0.00	0.00	0.11	0.02	0.20	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.13	0.73	0.32	0.02	0.03	0.06	0.05	0.11	0.05	0.26	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	1.10	0.80	0.50	0.08	0.07	0.12	0.12	0.19	0.11	0.30	0.56
USGS 07380335 - Little Lake Near Cutoff	0.78	1.10	0.99	0.73	0.28	0.24	0.34	0.33	0.40	0.35	0.40	0.59
USGS073802516 Barataria Pass at Grand Isle	0.77	1.05	0.75	0.48	0.12	0.07	0.13	0.21	0.18	0.12	0.27	0.50
HWQ14 - Lake Washington	0.87	1.07	0.62	0.28	0.03	0.04	0.09	0.07	0.10	0.03	0.18	0.43
HWQ16 - Bayou Grand Liard	0.70	1.01	1.03	0.96	0.70	0.60	0.64	0.43	0.50	0.44	0.40	0.49
CRMS 3985	1.05	1.15	0.86	0.32	0.04	0.06	0.11	0.16	0.26	0.18	0.41	0.78
CRMS 0258	0.98	1.27	1.06	0.92	0.26	0.11	0.01	0.03	0.50	0.24	0.47	0.78
CRMS 0224	0.87	1.20	0.90	0.79	0.22	0.09	0.03	0.02	0.38	0.16	0.37	0.72
CRMS 0163	1.27	1.31	1.23	1.13	1.24	1.38	1.39	1.22	1.40	1.28	1.29	1.35
CRMS 0162	1.24	1.19	1.18	1.09	1.17	1.32	1.42	1.35	1.10	1.03	0.82	0.98

V3PR6 HYST - cy 5 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.25	1.18	1.06	1.15	1.24	1.28	1.33	1.31	1.33	1.37	1.35
CRMS0276 - Just east of Wilkinson Canal	1.04	1.28	1.35	1.33	0.86	0.80	0.92	0.54	0.94	0.86	0.86	1.02
Barataria Waterway at Lafitte (USACE82875)	1.24	1.37	1.32	1.20	1.32	1.33	1.20	1.05	1.37	1.28	1.23	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.21	1.18	1.06	1.15	1.24	1.27	0.51	0.33	0.37	0.77	1.05
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.27	1.21	1.09	1.11	1.09	0.98	0.15	0.21	0.25	0.38	0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.16	1.25	1.21	1.11	1.17	1.21	1.22	0.40	0.27	0.47	0.50	0.87
USGS 07380335 - Little Lake Near Cutoff	1.05	1.26	1.29	1.19	1.11	1.02	1.09	0.46	0.44	0.62	0.51	0.83
USGS073802516 Barataria Pass at Grand Isle	1.04	1.26	1.30	1.07	0.65	0.53	0.70	0.28	0.31	0.39	0.38	0.70
HWQ14 - Lake Washington	1.11	1.28	1.27	0.97	0.56	0.50	0.58	0.32	0.25	0.24	0.29	0.66
HWQ16 - Bayou Grand Liard	0.81	1.13	1.25	1.11	0.71	0.66	0.68	0.54	0.52	0.51	0.44	0.66
CRMS 3985	1.15	1.27	1.27	1.01	0.71	0.49	0.50	0.20	0.23	0.21	0.40	0.81
CRMS 0258	1.19	1.30	1.28	1.21	1.07	0.92	1.07	0.14	0.39	0.32	0.64	0.82
CRMS 0224	1.15	1.28	1.25	1.17	1.10	1.12	1.25	0.34	0.32	0.43	0.56	0.89
CRMS 0163	1.26	1.32	1.25	1.14	1.26	1.33	1.18	1.09	1.34	1.24	1.30	1.30
CRMS 0162	1.20	1.15	1.17	1.08	1.15	1.31	1.42	1.25	0.94	0.91	0.83	0.98

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.27	0.10	0.59	0.68	1.14	1.23	1.27	1.32	1.28	1.32	1.19	0.88
CRMS0276 - Just east of Wilkinson Canal	0.07	0.01	0.03	0.04	-0.28	-0.17	0.23	0.13	-0.01	0.04	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.02	0.02	0.03	0.01	0.02	-0.09	-0.21	-0.16	-0.07	0.01	0.04	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.03	0.58	0.55	1.11	1.24	1.26	0.51	0.22	0.35	0.57	0.54
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.13	0.49	0.77	1.09	1.07	0.92	0.10	0.10	0.20	0.12	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.35	0.16	0.41	0.61	1.09	1.14	1.10	0.27	0.07	0.36	0.20	0.30
USGS 07380335 - Little Lake Near Cutoff	0.27	0.16	0.30	0.45	0.83	0.78	0.76	0.13	0.04	0.27	0.11	0.24
USGS073802516 Barataria Pass at Grand Isle	0.27	0.21	0.56	0.59	0.53	0.46	0.57	0.07	0.13	0.26	0.11	0.20
HWQ14 - Lake Washington	0.24	0.21	0.65	0.69	0.53	0.45	0.50	0.25	0.15	0.20	0.12	0.23
HWQ16 - Bayou Grand Liard	0.11	0.12	0.22	0.15	0.01	0.06	0.04	0.11	0.02	0.07	0.04	0.18
CRMS 3985	0.10	0.12	0.41	0.70	0.67	0.43	0.38	0.04	-0.03	0.03	-0.01	0.03
CRMS 0258	0.21	0.03	0.23	0.29	0.82	0.81	1.06	0.11	-0.11	0.09	0.17	0.04
CRMS 0224	0.28	0.08	0.35	0.38	0.89	1.03	1.22	0.31	-0.06	0.27	0.19	0.17
CRMS 0163	0.00	0.01	0.02	0.00	0.02	-0.05	-0.21	-0.13	-0.06	-0.04	0.00	-0.05
CRMS 0162	-0.04	-0.04	-0.01	-0.01	-0.02	-0.01	0.01	-0.09	-0.16	-0.12	0.02	0.01

Figure WQ NO3 221 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.37	0.71	0.36	0.02	0.01	0.01	0.00	0.07	0.00	0.27	0.70
CRMS0276 - Just east of Wilkinson Canal	1.16	1.36	1.38	1.32	1.34	0.71	0.31	0.41	0.73	0.44	0.75	1.18
Barataria Waterway at Lafitte (USACE82875)	1.31	1.32	1.28	1.32	1.35	1.24	1.25	1.04	1.27	0.99	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.39	0.74	0.46	0.09	0.01	0.01	0.00	0.12	0.03	0.26	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.34	0.83	0.41	0.04	0.06	0.13	0.14	0.20	0.06	0.39	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.31	0.94	0.53	0.14	0.10	0.14	0.14	0.21	0.11	0.18	0.81
USGS 07380335 - Little Lake Near Cutoff	1.03	1.29	1.10	0.68	0.41	0.26	0.29	0.23	0.35	0.18	0.18	0.84
USGS073802516 Barataria Pass at Grand Isle	1.03	1.25	0.91	0.51	0.20	0.12	0.13	0.14	0.24	0.08	0.19	0.75
HWQ14 - Lake Washington	1.15	1.29	0.77	0.38	0.07	0.11	0.17	0.16	0.18	0.05	0.25	0.72
HWQ16 - Bayou Grand Liard	0.85	1.15	1.13	0.91	0.85	0.56	0.37	0.13	0.34	0.16	0.26	0.75
CRMS 3985	1.27	1.33	0.92	0.45	0.10	0.15	0.25	0.32	0.37	0.22	0.56	1.01
CRMS 0258	1.28	1.42	1.11	0.84	0.39	0.07	0.01	0.04	0.33	0.12	0.46	1.11
CRMS 0224	1.18	1.37	1.00	0.71	0.35	0.08	0.03	0.07	0.27	0.13	0.25	0.97
CRMS 0163	1.31	1.25	1.21	1.25	1.27	1.28	1.29	1.10	1.29	0.97	1.35	1.34
CRMS 0162	1.25	1.20	1.18	1.16	1.19	1.34	1.47	1.12	0.60	0.41	0.92	1.19

V3PR6 HYST - cy 5 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.32	1.32	1.32	1.33	1.32	1.32	1.26
CRMS0276 - Just east of Wilkinson Canal	1.14	1.33	1.37	1.21	1.04	0.51	0.21	0.30	0.54	0.27	0.64	1.14
Barataria Waterway at Lafitte (USACE82875)	1.27	1.34	1.30	1.33	1.36	1.18	1.23	1.02	0.82	0.71	1.22	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.18	1.15	1.17	1.17	0.39	0.01	0.01	0.02	0.04	0.66	1.12
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.22	1.19	1.17	1.15	0.21	0.07	0.06	0.12	0.04	0.36	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.25	1.22	1.19	1.21	1.20	0.29	0.03	0.03	0.09	0.02	0.25	1.05
USGS 07380335 - Little Lake Near Cutoff	1.19	1.28	1.28	1.23	1.19	0.28	0.12	0.11	0.18	0.07	0.16	0.98
USGS073802516 Barataria Pass at Grand Isle	1.18	1.31	1.30	1.01	0.80	0.20	0.07	0.08	0.15	0.05	0.17	0.84
HWQ14 - Lake Washington	1.23	1.30	1.28	0.88	0.69	0.23	0.15	0.12	0.16	0.05	0.22	0.81
HWQ16 - Bayou Grand Liard	0.88	1.23	1.27	1.01	0.85	0.53	0.29	0.09	0.26	0.08	0.21	0.71
CRMS 3985	1.23	1.28	1.27	0.95	0.83	0.22	0.17	0.19	0.29	0.17	0.37	0.98
CRMS 0258	1.31	1.28	1.26	1.26	1.15	0.02	0.01	0.01	0.16	0.06	0.30	1.18
CRMS 0224	1.27	1.25	1.23	1.25	1.16	0.08	0.01	0.02	0.13	0.07	0.19	1.10
CRMS 0163	1.27	1.27	1.22	1.25	1.29	1.16	1.27	1.07	0.72	0.61	1.34	1.32
CRMS 0162	1.20	1.18	1.17	1.13	1.16	1.22	1.33	0.97	0.30	0.34	0.87	1.06

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.18	0.44	0.81	1.15	1.32	1.31	1.32	1.26	1.31	1.05	0.56
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.03	-0.01	-0.11	-0.30	-0.21	-0.10	-0.10	-0.19	-0.17	-0.11	-0.04
Barataria Waterway at Lafitte (USACE82875)	-0.04	0.02	0.01	0.01	0.01	-0.06	-0.02	-0.02	-0.44	-0.29	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.21	0.42	0.71	1.09	0.38	0.00	0.00	-0.09	0.02	0.39	0.38
USGS7380251 Barataria Bay North of Grand Isle	0.01	-0.11	0.36	0.76	1.11	0.15	-0.06	-0.08	-0.08	-0.02	-0.03	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	-0.09	0.25	0.68	1.06	0.19	-0.10	-0.11	-0.12	-0.09	0.07	0.24
USGS 07380335 - Little Lake Near Cutoff	0.16	0.00	0.17	0.55	0.77	0.02	-0.18	-0.11	-0.17	-0.11	-0.01	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.06	0.39	0.50	0.60	0.08	-0.07	-0.06	-0.09	-0.04	-0.02	0.09
HWQ14 - Lake Washington	0.08	0.00	0.51	0.51	0.61	0.12	-0.02	-0.04	-0.02	0.00	-0.03	0.09
HWQ16 - Bayou Grand Liard	0.03	0.09	0.14	0.09	0.00	-0.03	-0.08	-0.04	-0.09	-0.08	-0.05	-0.03
CRMS 3985	-0.05	-0.05	0.35	0.50	0.72	0.07	-0.09	-0.13	-0.07	-0.05	-0.20	-0.02
CRMS 0258	0.03	-0.14	0.15	0.42	0.76	-0.06	0.00	-0.02	-0.17	-0.06	-0.16	0.07
CRMS 0224	0.09	-0.12	0.23	0.54	0.82	-0.01	-0.02	-0.05	-0.14	-0.06	-0.06	0.14
CRMS 0163	-0.03	0.02	0.01	0.00	0.02	-0.12	-0.02	-0.03	-0.57	-0.36	-0.01	-0.02
CRMS 0162	-0.04	-0.02	-0.01	-0.02	-0.03	-0.12	-0.14	-0.16	-0.30	-0.06	-0.05	-0.13

Figure WQ NO3 222 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.23	0.33	0.21	0.02	0.00	0.01	0.00	0.06	0.01	0.45	0.74
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.29	1.29	1.20	0.82	0.25	0.16	0.44	0.52	1.01	1.17
Barataria Waterway at Lafitte (USACE82875)	1.29	1.40	1.46	1.44	1.44	1.53	0.87	0.63	0.67	1.26	1.34	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.31	0.45	0.43	0.08	0.00	0.01	0.01	0.09	0.03	0.48	0.75
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.09	0.31	0.17	0.03	0.05	0.14	0.10	0.15	0.09	0.55	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.22	0.66	0.38	0.10	0.10	0.12	0.08	0.16	0.10	0.43	0.91
USGS 07380335 - Little Lake Near Cutoff	0.95	1.22	0.86	0.60	0.31	0.27	0.24	0.03	0.19	0.10	0.48	0.94
USGS073802516 Barataria Pass at Grand Isle	0.98	1.17	0.65	0.37	0.16	0.16	0.14	0.05	0.17	0.06	0.39	0.86
HWQ14 - Lake Washington	1.13	1.13	0.36	0.13	0.04	0.08	0.16	0.13	0.15	0.04	0.39	0.83
HWQ16 - Bayou Grand Liard	0.76	1.07	0.92	0.84	0.69	0.53	0.22	0.06	0.13	0.08	0.47	0.79
CRMS 3985	1.22	0.97	0.36	0.22	0.07	0.16	0.34	0.31	0.31	0.29	0.71	1.08
CRMS 0258	1.20	1.39	0.93	0.89	0.41	0.17	0.01	0.02	0.19	0.16	0.89	1.06
CRMS 0224	1.10	1.32	0.81	0.71	0.31	0.15	0.02	0.04	0.20	0.19	0.63	0.98
CRMS 0163	1.32	1.35	1.40	1.35	1.41	1.45	0.94	0.79	0.58	1.26	1.37	1.36
CRMS 0162	1.20	1.20	1.13	1.06	1.06	1.07	1.07	0.66	0.24	0.64	1.05	1.18

V3PR6 HYST - cy 5 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.27	1.32	1.29	1.30	1.34	1.39	1.38	1.35	1.27	1.27	1.27
CRMS0276 - Just east of Wilkinson Canal	0.94	1.26	1.20	1.27	0.93	0.65	0.15	0.09	0.57	0.60	0.98	1.11
Barataria Waterway at Lafitte (USACE82875)	1.21	1.35	1.45	1.41	1.38	1.50	0.80	0.53	0.94	1.16	1.33	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.07	1.23	1.17	0.80	1.01	0.01	0.01	0.01	0.01	0.03	0.61	0.99
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.24	1.11	0.66	0.55	0.02	0.05	0.04	0.08	0.05	0.37	0.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.92	1.26	1.08	0.73	0.89	0.02	0.02	0.02	0.11	0.02	0.47	0.80
USGS 07380335 - Little Lake Near Cutoff	0.83	1.23	0.94	0.80	0.73	0.09	0.08	0.03	0.22	0.14	0.53	0.84
USGS073802516 Barataria Pass at Grand Isle	0.81	1.19	0.85	0.66	0.40	0.05	0.05	0.04	0.15	0.07	0.39	0.66
HWQ14 - Lake Washington	0.88	1.19	0.83	0.52	0.29	0.07	0.10	0.09	0.12	0.05	0.28	0.49
HWQ16 - Bayou Grand Liard	0.70	1.04	0.88	0.89	0.60	0.43	0.16	0.06	0.22	0.31	0.52	0.70
CRMS 3985	0.99	1.20	1.01	0.57	0.25	0.10	0.17	0.20	0.24	0.19	0.31	0.49
CRMS 0258	1.01	1.31	0.89	0.89	0.33	0.04	0.01	0.01	0.23	0.04	0.71	1.10
CRMS 0224	0.93	1.28	0.97	0.80	0.58	0.04	0.01	0.01	0.19	0.03	0.56	0.97
CRMS 0163	1.26	1.30	1.40	1.30	1.37	1.40	0.85	0.57	1.00	1.21	1.34	1.34
CRMS 0162	1.12	1.11	1.08	0.95	0.94	0.89	0.66	0.33	0.39	0.87	0.95	1.08

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.04	0.99	1.08	1.28	1.34	1.38	1.37	1.29	1.27	0.82	0.53
CRMS0276 - Just east of Wilkinson Canal	-0.12	-0.07	-0.09	-0.02	-0.26	-0.17	-0.09	-0.07	0.13	0.07	-0.03	-0.05
Barataria Waterway at Lafitte (USACE82875)	-0.07	-0.05	-0.01	-0.04	-0.06	-0.03	-0.07	-0.10	0.27	-0.10	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.16	-0.08	0.72	0.37	0.93	0.00	0.01	0.00	-0.07	0.00	0.12	0.24
USGS7380251 Barataria Bay North of Grand Isle	-0.23	0.14	0.80	0.49	0.52	-0.03	-0.09	-0.06	-0.07	-0.04	-0.18	-0.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.11	0.05	0.42	0.34	0.79	-0.08	-0.10	-0.07	-0.05	-0.08	0.04	-0.11
USGS 07380335 - Little Lake Near Cutoff	-0.12	0.02	0.08	0.19	0.42	-0.18	-0.17	0.00	0.03	0.04	0.05	-0.10
USGS073802516 Barataria Pass at Grand Isle	-0.16	0.03	0.21	0.29	0.23	-0.11	-0.09	-0.02	-0.02	0.01	0.01	-0.20
HWQ14 - Lake Washington	-0.25	0.06	0.47	0.39	0.25	-0.01	-0.06	-0.04	-0.04	0.01	-0.11	-0.34
HWQ16 - Bayou Grand Liard	-0.07	-0.03	-0.04	0.05	-0.09	-0.11	-0.06	0.00	0.09	0.23	0.05	-0.09
CRMS 3985	-0.22	0.23	0.65	0.35	0.17	-0.06	-0.18	-0.12	-0.07	-0.10	-0.40	-0.60
CRMS 0258	-0.18	-0.09	-0.03	0.00	-0.08	-0.13	0.00	-0.01	0.04	-0.12	-0.18	0.04
CRMS 0224	-0.18	-0.04	0.16	0.09	0.27	-0.12	-0.02	-0.03	-0.01	-0.15	-0.08	-0.01
CRMS 0163	-0.06	-0.05	0.00	-0.05	-0.05	-0.05	-0.09	-0.22	0.42	-0.05	-0.03	-0.02
CRMS 0162	-0.08	-0.09	-0.04	-0.11	-0.12	-0.18	-0.41	-0.33	0.15	0.22	-0.10	-0.10

Figure WQ NO3 223 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.38	0.67	0.29	0.01	0.01	0.01	0.00	0.08	0.00	0.32	0.71
CRMS0276 - Just east of Wilkinson Canal	1.15	1.36	1.37	1.35	1.21	1.10	0.64	0.58	1.01	0.74	0.89	1.07
Barataria Waterway at Lafitte (USACE82875)	1.30	1.28	1.38	1.36	1.40	1.46	1.44	1.39	1.45	1.27	1.26	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.24	1.41	0.67	0.42	0.04	0.02	0.01	0.00	0.15	0.01	0.32	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.35	0.81	0.34	0.04	0.07	0.19	0.15	0.24	0.09	0.44	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.08	1.33	0.86	0.51	0.10	0.12	0.18	0.19	0.30	0.13	0.40	0.80
USGS 07380335 - Little Lake Near Cutoff	1.03	1.31	0.97	0.69	0.32	0.37	0.38	0.41	0.51	0.34	0.48	0.82
USGS073802516 Barataria Pass at Grand Isle	1.03	1.28	0.84	0.48	0.15	0.16	0.20	0.29	0.31	0.14	0.37	0.74
HWQ14 - Lake Washington	1.14	1.31	0.74	0.33	0.06	0.11	0.20	0.20	0.21	0.07	0.32	0.70
HWQ16 - Bayou Grand Liard	0.89	1.18	1.08	0.91	0.72	0.71	0.60	0.50	0.55	0.37	0.45	0.68
CRMS 3985	1.26	1.34	0.90	0.41	0.10	0.17	0.34	0.33	0.40	0.26	0.59	1.02
CRMS 0258	1.22	1.43	1.02	0.87	0.33	0.28	0.02	0.04	0.57	0.13	0.62	0.96
CRMS 0224	1.15	1.39	0.91	0.71	0.26	0.25	0.07	0.07	0.46	0.13	0.50	0.91
CRMS 0163	1.28	1.21	1.30	1.26	1.36	1.42	1.42	1.38	1.43	1.29	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.14	1.15	1.34	1.44	1.36	1.06	0.90	0.87	1.07

V3PR6 HYST - cy 5 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.32	1.31	1.32	1.29	1.38	1.30
CRMS0276 - Just east of Wilkinson Canal	1.13	1.34	1.36	1.26	0.93	0.87	0.87	0.68	0.91	0.67	0.88	1.00
Barataria Waterway at Lafitte (USACE82875)	1.25	1.30	1.38	1.35	1.33	1.37	1.25	1.15	1.40	1.18	1.28	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.16	1.22	1.21	1.23	1.27	1.30	0.68	0.02	0.04	0.78	1.04
USGS7380251 Barataria Bay North of Grand Isle	1.20	1.20	1.28	1.13	1.05	0.94	0.83	0.26	0.12	0.06	0.30	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.19	1.28	1.21	1.16	1.19	1.24	0.66	0.18	0.03	0.47	0.79
USGS 07380335 - Little Lake Near Cutoff	1.17	1.27	1.36	1.20	1.00	0.99	1.05	0.73	0.40	0.20	0.47	0.78
USGS073802516 Barataria Pass at Grand Isle	1.15	1.31	1.34	0.95	0.68	0.54	0.67	0.50	0.27	0.11	0.32	0.62
HWQ14 - Lake Washington	1.14	1.29	1.29	0.79	0.57	0.51	0.54	0.42	0.19	0.07	0.24	0.51
HWQ16 - Bayou Grand Liard	0.90	1.26	1.18	0.99	0.73	0.72	0.61	0.57	0.51	0.34	0.39	0.62
CRMS 3985	1.17	1.28	1.28	0.85	0.64	0.46	0.37	0.21	0.25	0.19	0.24	0.69
CRMS 0258	1.25	1.26	1.37	1.24	0.91	0.78	1.02	0.19	0.41	0.07	0.76	0.96
CRMS 0224	1.23	1.22	1.33	1.24	0.99	1.06	1.26	0.60	0.33	0.06	0.60	0.90
CRMS 0163	1.24	1.24	1.30	1.25	1.35	1.36	1.25	1.22	1.34	1.14	1.34	1.28
CRMS 0162	1.21	1.19	1.17	1.09	1.09	1.31	1.42	1.27	0.84	0.69	0.84	0.95

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.22	0.56	0.92	1.23	1.27	1.31	1.31	1.23	1.29	1.06	0.59
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.02	-0.01	-0.08	-0.29	-0.22	0.23	0.10	-0.10	-0.08	-0.02	-0.08
Barataria Waterway at Lafitte (USACE82875)	-0.05	0.03	-0.01	-0.01	-0.07	-0.09	-0.20	-0.23	-0.05	-0.09	0.02	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.25	0.55	0.78	1.18	1.25	1.29	0.68	-0.13	0.03	0.47	0.30
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.15	0.47	0.79	1.01	0.88	0.64	0.11	-0.12	-0.03	-0.14	-0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	-0.14	0.42	0.70	1.06	1.07	1.06	0.48	-0.12	-0.10	0.07	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.14	-0.05	0.38	0.51	0.68	0.62	0.68	0.32	-0.11	-0.14	-0.01	-0.04
USGS073802516 Barataria Pass at Grand Isle	0.12	0.03	0.50	0.47	0.53	0.37	0.47	0.21	-0.04	-0.03	-0.05	-0.11
HWQ14 - Lake Washington	0.01	-0.01	0.55	0.47	0.51	0.40	0.34	0.22	-0.01	-0.01	-0.08	-0.18
HWQ16 - Bayou Grand Liard	0.01	0.08	0.10	0.08	0.01	0.01	0.01	0.07	-0.04	-0.03	-0.06	-0.07
CRMS 3985	-0.10	-0.06	0.38	0.45	0.54	0.29	0.03	-0.12	-0.15	-0.07	-0.35	-0.33
CRMS 0258	0.03	-0.17	0.34	0.37	0.58	0.50	1.00	0.15	-0.16	-0.06	0.14	0.01
CRMS 0224	0.08	-0.17	0.42	0.53	0.73	0.81	1.18	0.53	-0.14	-0.07	0.10	0.00
CRMS 0163	-0.04	0.02	0.01	-0.02	-0.01	-0.06	-0.17	-0.16	-0.09	-0.14	0.00	-0.09
CRMS 0162	-0.04	-0.01	-0.04	-0.05	-0.07	-0.03	-0.02	-0.09	-0.22	-0.21	-0.03	-0.12

Figure WQ NO3 224 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.28	0.61	0.33	0.05	0.01	0.01	0.00	0.07	0.00	0.29	0.73
CRMS0276 - Just east of Wilkinson Canal	1.21	1.30	1.35	1.38	1.33	0.89	0.44	0.43	0.91	0.63	0.77	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.47	1.36	1.35	1.22	1.33	1.38	1.18	1.39	1.18	1.23	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.35	0.76	0.54	0.15	0.02	0.01	0.00	0.13	0.00	0.29	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.24	1.16	0.50	0.21	0.02	0.05	0.15	0.14	0.21	0.08	0.39	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	0.87	0.53	0.19	0.12	0.15	0.15	0.27	0.11	0.24	0.84
USGS 07380335 - Little Lake Near Cutoff	1.09	1.22	1.05	0.77	0.51	0.36	0.32	0.35	0.46	0.29	0.25	0.90
USGS073802516 Barataria Pass at Grand Isle	1.09	1.20	0.77	0.52	0.26	0.17	0.14	0.22	0.27	0.12	0.23	0.79
HWQ14 - Lake Washington	1.18	1.20	0.53	0.21	0.05	0.11	0.18	0.17	0.19	0.07	0.26	0.72
HWQ16 - Bayou Grand Liard	0.91	1.04	0.95	0.98	0.91	0.74	0.57	0.41	0.50	0.32	0.28	0.80
CRMS 3985	1.22	1.06	0.43	0.18	0.05	0.13	0.30	0.31	0.37	0.24	0.54	1.01
CRMS 0258	1.33	1.39	1.17	0.98	0.73	0.20	0.01	0.03	0.50	0.10	0.56	1.16
CRMS 0224	1.23	1.33	1.04	0.83	0.57	0.20	0.05	0.05	0.40	0.10	0.37	1.01
CRMS 0163	1.35	1.42	1.28	1.28	1.14	1.30	1.38	1.16	1.40	1.21	1.33	1.26
CRMS 0162	1.24	1.12	1.18	1.17	1.10	1.28	1.44	1.34	0.96	0.73	0.87	1.21

V3PR6 HYST - cy 5 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.32	1.34	1.20	1.19	1.04	1.18	1.31	1.30	1.31	1.32	1.36	1.20
CRMS0276 - Just east of Wilkinson Canal	1.22	1.25	1.27	1.36	1.28	0.77	0.76	0.46	0.80	0.44	0.66	1.23
Barataria Waterway at Lafitte (USACE82875)	1.33	1.36	1.34	1.35	1.21	1.22	1.06	1.12	1.19	0.91	1.21	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.31	1.19	1.19	1.04	1.18	1.29	0.05	0.02	0.05	0.74	1.20
USGS7380251 Barataria Bay North of Grand Isle	1.30	1.34	1.22	1.18	1.07	1.05	0.76	0.07	0.12	0.05	0.30	1.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.30	1.32	1.22	1.23	1.10	1.14	1.17	0.09	0.15	0.03	0.30	1.21
USGS 07380335 - Little Lake Near Cutoff	1.21	1.26	1.26	1.28	1.14	0.96	0.96	0.32	0.33	0.16	0.21	1.20
USGS073802516 Barataria Pass at Grand Isle	1.21	1.24	1.25	1.12	0.92	0.50	0.54	0.23	0.23	0.09	0.18	1.12
HWQ14 - Lake Washington	1.27	1.31	1.24	1.00	0.78	0.49	0.50	0.25	0.18	0.07	0.20	0.96
HWQ16 - Bayou Grand Liard	0.95	1.06	1.09	1.12	0.97	0.65	0.59	0.43	0.45	0.26	0.21	0.90
CRMS 3985	1.26	1.32	1.27	1.02	0.90	0.53	0.33	0.18	0.28	0.19	0.23	0.95
CRMS 0258	1.41	1.35	1.24	1.31	1.14	0.95	0.76	0.01	0.35	0.08	0.39	1.23
CRMS 0224	1.32	1.33	1.24	1.29	1.13	1.09	1.16	0.05	0.27	0.05	0.27	1.20
CRMS 0163	1.31	1.30	1.27	1.27	1.14	1.24	1.08	1.17	1.17	0.90	1.34	1.28
CRMS 0162	1.20	1.01	1.13	1.13	1.06	1.27	1.43	1.23	0.65	0.48	0.84	1.15

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.59	0.87	1.00	1.17	1.30	1.30	1.23	1.32	1.07	0.48
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.05	-0.08	-0.02	-0.05	-0.12	0.31	0.03	-0.11	-0.19	-0.11	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.11	-0.02	0.00	-0.02	-0.11	-0.33	-0.05	-0.20	-0.27	-0.01	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.10	-0.04	0.43	0.65	0.90	1.15	1.28	0.04	-0.11	0.04	0.45	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.06	0.18	0.72	0.98	1.05	1.00	0.61	-0.07	-0.09	-0.03	-0.09	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.06	0.35	0.70	0.91	1.02	1.03	-0.06	-0.12	-0.08	0.06	0.37
USGS 07380335 - Little Lake Near Cutoff	0.13	0.04	0.21	0.51	0.63	0.60	0.64	-0.03	-0.13	-0.12	-0.05	0.30
USGS073802516 Barataria Pass at Grand Isle	0.12	0.04	0.48	0.61	0.67	0.34	0.40	0.01	-0.04	-0.02	-0.05	0.33
HWQ14 - Lake Washington	0.09	0.11	0.71	0.79	0.73	0.38	0.32	0.08	-0.01	0.00	-0.07	0.24
HWQ16 - Bayou Grand Liard	0.04	0.02	0.14	0.14	0.06	-0.09	0.02	0.02	-0.06	-0.05	-0.07	0.10
CRMS 3985	0.04	0.26	0.83	0.84	0.85	0.40	0.03	-0.13	-0.09	-0.06	-0.31	-0.06
CRMS 0258	0.07	-0.03	0.07	0.33	0.41	0.74	0.75	-0.02	-0.15	-0.02	-0.17	0.07
CRMS 0224	0.10	0.00	0.19	0.46	0.55	0.89	1.11	0.00	-0.13	-0.06	-0.10	0.20
CRMS 0163	-0.04	-0.12	-0.01	-0.01	0.00	-0.05	-0.30	0.00	-0.23	-0.31	0.00	0.02
CRMS 0162	-0.04	-0.11	-0.05	-0.03	-0.04	0.00	-0.01	-0.11	-0.31	-0.24	-0.02	-0.06

Figure WQ NO3 225 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.99	1.15	0.58	0.37	0.01	0.00	0.01	0.00	0.04	0.00	0.18	0.47
CRMS0276 - Just east of Wilkinson Canal	0.97	1.27	1.33	1.30	1.15	0.97	0.69	0.41	0.95	0.83	0.81	0.92
Barataria Waterway at Lafitte (USACE82875)	1.23	1.36	1.30	1.19	1.30	1.42	1.41	1.21	1.44	1.27	1.19	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	1.18	0.60	0.51	0.04	0.00	0.00	0.00	0.11	0.02	0.20	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.13	0.73	0.32	0.02	0.03	0.06	0.05	0.11	0.05	0.26	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	1.10	0.80	0.50	0.08	0.07	0.12	0.12	0.19	0.11	0.30	0.56
USGS 07380335 - Little Lake Near Cutoff	0.78	1.10	0.99	0.73	0.28	0.24	0.34	0.33	0.40	0.35	0.40	0.59
USGS073802516 Barataria Pass at Grand Isle	0.77	1.05	0.75	0.48	0.12	0.07	0.13	0.21	0.18	0.12	0.27	0.50
HWQ14 - Lake Washington	0.87	1.07	0.62	0.28	0.03	0.04	0.09	0.07	0.10	0.03	0.18	0.43
HWQ16 - Bayou Grand Liard	0.70	1.01	1.03	0.96	0.70	0.60	0.64	0.43	0.50	0.44	0.40	0.49
CRMS 3985	1.05	1.15	0.86	0.32	0.04	0.06	0.11	0.16	0.26	0.18	0.41	0.78
CRMS 0258	0.98	1.27	1.06	0.92	0.26	0.11	0.01	0.03	0.50	0.24	0.47	0.78
CRMS 0224	0.87	1.20	0.90	0.79	0.22	0.09	0.03	0.02	0.38	0.16	0.37	0.72
CRMS 0163	1.27	1.31	1.23	1.13	1.24	1.38	1.39	1.22	1.40	1.28	1.29	1.35
CRMS 0162	1.24	1.19	1.18	1.09	1.17	1.32	1.42	1.35	1.10	1.03	0.82	0.98

V3PR7 HYST - cy 5 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.24	1.18	1.06	1.15	1.24	1.28	1.30	1.29	1.30	1.35	1.35
CRMS0276 - Just east of Wilkinson Canal	1.01	1.28	1.36	1.34	0.88	0.83	0.94	0.55	0.95	0.87	0.86	0.87
Barataria Waterway at Lafitte (USACE82875)	1.22	1.37	1.32	1.20	1.32	1.34	1.22	1.05	1.39	1.28	1.22	1.28
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.21	1.17	1.06	1.15	1.24	1.27	0.49	0.35	0.38	0.80	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.18	1.26	1.21	1.08	1.09	1.07	0.92	0.14	0.20	0.24	0.37	0.75
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.14	1.25	1.21	1.11	1.17	1.21	1.22	0.37	0.27	0.46	0.50	0.84
USGS 07380335 - Little Lake Near Cutoff	1.02	1.25	1.29	1.18	1.13	1.04	1.10	0.46	0.44	0.63	0.51	0.78
USGS073802516 Barataria Pass at Grand Isle	1.01	1.25	1.30	1.06	0.65	0.53	0.69	0.28	0.31	0.38	0.38	0.65
HWQ14 - Lake Washington	1.09	1.27	1.27	0.95	0.51	0.47	0.56	0.30	0.24	0.23	0.29	0.64
HWQ16 - Bayou Grand Liard	0.76	1.12	1.25	1.11	0.72	0.67	0.69	0.54	0.53	0.52	0.44	0.56
CRMS 3985	1.15	1.27	1.26	0.96	0.59	0.42	0.43	0.20	0.22	0.20	0.39	0.80
CRMS 0258	1.18	1.29	1.28	1.20	1.12	1.01	1.11	0.13	0.38	0.34	0.64	0.93
CRMS 0224	1.14	1.27	1.24	1.16	1.13	1.16	1.26	0.36	0.32	0.45	0.57	0.91
CRMS 0163	1.25	1.32	1.25	1.14	1.25	1.34	1.20	1.10	1.35	1.24	1.31	1.25
CRMS 0162	1.19	1.16	1.17	1.08	1.15	1.29	1.43	1.27	0.94	0.94	0.81	0.90

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.27	0.10	0.59	0.68	1.14	1.23	1.27	1.30	1.25	1.30	1.17	0.88
CRMS0276 - Just east of Wilkinson Canal	0.04	0.01	0.03	0.04	-0.27	-0.14	0.25	0.13	0.00	0.05	0.05	-0.05
Barataria Waterway at Lafitte (USACE82875)	0.00	0.02	0.02	0.01	0.02	-0.08	-0.19	-0.16	-0.05	0.00	0.03	-0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.03	0.58	0.55	1.11	1.24	1.26	0.49	0.24	0.36	0.59	0.59
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.13	0.49	0.76	1.07	1.04	0.86	0.09	0.09	0.19	0.11	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.33	0.15	0.41	0.60	1.09	1.15	1.10	0.25	0.08	0.35	0.20	0.28
USGS 07380335 - Little Lake Near Cutoff	0.25	0.15	0.30	0.45	0.85	0.80	0.76	0.13	0.04	0.27	0.12	0.19
USGS073802516 Barataria Pass at Grand Isle	0.24	0.20	0.55	0.58	0.53	0.46	0.56	0.07	0.13	0.26	0.11	0.16
HWQ14 - Lake Washington	0.22	0.21	0.65	0.67	0.49	0.42	0.47	0.23	0.14	0.20	0.12	0.22
HWQ16 - Bayou Grand Liard	0.06	0.11	0.22	0.15	0.02	0.07	0.05	0.11	0.03	0.08	0.04	0.08
CRMS 3985	0.09	0.12	0.40	0.65	0.55	0.36	0.32	0.03	-0.04	0.02	-0.02	0.02
CRMS 0258	0.20	0.02	0.22	0.28	0.86	0.90	1.10	0.10	-0.12	0.10	0.18	0.15
CRMS 0224	0.27	0.07	0.34	0.37	0.92	1.07	1.23	0.34	-0.06	0.29	0.20	0.19
CRMS 0163	-0.02	0.01	0.02	0.00	0.02	-0.04	-0.19	-0.12	-0.05	-0.04	0.01	-0.10
CRMS 0162	-0.05	-0.04	-0.01	-0.02	-0.03	-0.03	0.01	-0.08	-0.15	-0.09	-0.01	-0.08

Figure WQ NO3 226 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.37	0.71	0.36	0.02	0.01	0.01	0.00	0.07	0.00	0.27	0.70
CRMS0276 - Just east of Wilkinson Canal	1.16	1.36	1.38	1.32	1.34	0.71	0.31	0.41	0.73	0.44	0.75	1.18
Barataria Waterway at Lafitte (USACE82875)	1.31	1.32	1.28	1.32	1.35	1.24	1.25	1.04	1.27	0.99	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.39	0.74	0.46	0.09	0.01	0.01	0.00	0.12	0.03	0.26	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.34	0.83	0.41	0.04	0.06	0.13	0.14	0.20	0.06	0.39	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.31	0.94	0.53	0.14	0.10	0.14	0.14	0.21	0.11	0.18	0.81
USGS 07380335 - Little Lake Near Cutoff	1.03	1.29	1.10	0.68	0.41	0.26	0.29	0.23	0.35	0.18	0.18	0.84
USGS073802516 Barataria Pass at Grand Isle	1.03	1.25	0.91	0.51	0.20	0.12	0.13	0.14	0.24	0.08	0.19	0.75
HWQ14 - Lake Washington	1.15	1.29	0.77	0.38	0.07	0.11	0.17	0.16	0.18	0.05	0.25	0.72
HWQ16 - Bayou Grand Liard	0.85	1.15	1.13	0.91	0.85	0.56	0.37	0.13	0.34	0.16	0.26	0.75
CRMS 3985	1.27	1.33	0.92	0.45	0.10	0.15	0.25	0.32	0.37	0.22	0.56	1.01
CRMS 0258	1.28	1.42	1.11	0.84	0.39	0.07	0.01	0.04	0.33	0.12	0.46	1.11
CRMS 0224	1.18	1.37	1.00	0.71	0.35	0.08	0.03	0.07	0.27	0.13	0.25	0.97
CRMS 0163	1.31	1.25	1.21	1.25	1.27	1.28	1.29	1.10	1.29	0.97	1.35	1.34
CRMS 0162	1.25	1.20	1.18	1.16	1.19	1.34	1.47	1.12	0.60	0.41	0.92	1.19

V3PR7 HYST - cy 5 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.15	1.17	1.17	1.30	1.27	1.28	1.28	1.27	1.29	1.26
CRMS0276 - Just east of Wilkinson Canal	1.15	1.33	1.37	1.23	1.06	0.51	0.21	0.33	0.55	0.27	0.65	1.16
Barataria Waterway at Lafitte (USACE82875)	1.28	1.34	1.30	1.34	1.36	1.18	1.24	1.05	0.83	0.71	1.21	1.39
USGS2928590900040000 Barataria Waterway South of Lafitte	1.22	1.18	1.15	1.17	1.17	0.40	0.01	0.01	0.04	0.06	0.67	1.13
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.23	1.19	1.15	1.13	0.19	0.06	0.05	0.11	0.04	0.36	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.25	1.22	1.19	1.20	1.21	0.28	0.03	0.02	0.08	0.02	0.25	1.05
USGS 07380335 - Little Lake Near Cutoff	1.20	1.28	1.27	1.23	1.20	0.28	0.11	0.12	0.18	0.07	0.17	0.99
USGS073802516 Barataria Pass at Grand Isle	1.18	1.31	1.30	0.99	0.80	0.19	0.07	0.09	0.15	0.05	0.17	0.85
HWQ14 - Lake Washington	1.22	1.30	1.27	0.84	0.64	0.21	0.14	0.12	0.15	0.05	0.22	0.80
HWQ16 - Bayou Grand Liard	0.89	1.23	1.26	1.01	0.87	0.53	0.30	0.10	0.27	0.08	0.22	0.73
CRMS 3985	1.22	1.28	1.26	0.87	0.71	0.20	0.16	0.18	0.29	0.16	0.37	0.98
CRMS 0258	1.31	1.27	1.25	1.27	1.18	0.02	0.01	0.01	0.16	0.06	0.31	1.18
CRMS 0224	1.27	1.24	1.22	1.25	1.18	0.11	0.01	0.02	0.12	0.07	0.20	1.11
CRMS 0163	1.28	1.27	1.22	1.26	1.29	1.16	1.27	1.09	0.73	0.61	1.33	1.33
CRMS 0162	1.20	1.18	1.16	1.13	1.16	1.23	1.35	0.99	0.31	0.33	0.87	1.08

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.18	0.44	0.81	1.15	1.29	1.27	1.28	1.22	1.27	1.02	0.56
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.03	-0.01	-0.10	-0.28	-0.20	-0.09	-0.08	-0.18	-0.17	-0.10	-0.03
Barataria Waterway at Lafitte (USACE82875)	-0.04	0.02	0.02	0.01	0.01	-0.06	-0.02	0.01	-0.44	-0.28	-0.03	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.22	0.41	0.71	1.09	0.39	0.01	0.00	-0.07	0.03	0.40	0.39
USGS7380251 Barataria Bay North of Grand Isle	0.01	-0.11	0.37	0.74	1.09	0.13	-0.07	-0.08	-0.09	-0.02	-0.03	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	-0.10	0.25	0.67	1.06	0.19	-0.11	-0.12	-0.12	-0.09	0.07	0.24
USGS 07380335 - Little Lake Near Cutoff	0.17	-0.01	0.17	0.55	0.79	0.02	-0.18	-0.10	-0.17	-0.11	-0.01	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.06	0.39	0.48	0.60	0.08	-0.07	-0.06	-0.09	-0.04	-0.02	0.09
HWQ14 - Lake Washington	0.07	0.00	0.50	0.46	0.56	0.10	-0.02	-0.04	-0.02	0.00	-0.03	0.08
HWQ16 - Bayou Grand Liard	0.05	0.09	0.14	0.10	0.02	-0.02	-0.08	-0.03	-0.07	-0.08	-0.04	-0.02
CRMS 3985	-0.05	-0.05	0.34	0.42	0.60	0.05	-0.09	-0.14	-0.08	-0.05	-0.20	-0.03
CRMS 0258	0.03	-0.14	0.14	0.42	0.79	-0.05	0.00	-0.03	-0.17	-0.05	-0.15	0.07
CRMS 0224	0.09	-0.13	0.22	0.53	0.83	0.02	-0.02	-0.06	-0.14	-0.06	-0.05	0.14
CRMS 0163	-0.03	0.02	0.01	0.00	0.02	-0.12	-0.02	-0.01	-0.57	-0.36	-0.02	-0.02
CRMS 0162	-0.04	-0.02	-0.02	-0.02	-0.03	-0.11	-0.12	-0.14	-0.29	-0.07	-0.05	-0.12

Figure WQ NO3 227 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.23	0.33	0.21	0.02	0.00	0.01	0.00	0.06	0.01	0.45	0.74
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.29	1.29	1.20	0.82	0.25	0.16	0.44	0.52	1.01	1.17
Barataria Waterway at Lafitte (USACE82875)	1.29	1.40	1.46	1.44	1.44	1.53	0.87	0.63	0.67	1.26	1.34	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.31	0.45	0.43	0.08	0.00	0.01	0.01	0.09	0.03	0.48	0.75
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.09	0.31	0.17	0.03	0.05	0.14	0.10	0.15	0.09	0.55	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.22	0.66	0.38	0.10	0.10	0.12	0.08	0.16	0.10	0.43	0.91
USGS 07380335 - Little Lake Near Cutoff	0.95	1.22	0.86	0.60	0.31	0.27	0.24	0.03	0.19	0.10	0.48	0.94
USGS073802516 Barataria Pass at Grand Isle	0.98	1.17	0.65	0.37	0.16	0.16	0.14	0.05	0.17	0.06	0.39	0.86
HWQ14 - Lake Washington	1.13	1.13	0.36	0.13	0.04	0.08	0.16	0.13	0.15	0.04	0.39	0.83
HWQ16 - Bayou Grand Liard	0.76	1.07	0.92	0.84	0.69	0.53	0.22	0.06	0.13	0.08	0.47	0.79
CRMS 3985	1.22	0.97	0.36	0.22	0.07	0.16	0.34	0.31	0.31	0.29	0.71	1.08
CRMS 0258	1.20	1.39	0.93	0.89	0.41	0.17	0.01	0.02	0.19	0.16	0.89	1.06
CRMS 0224	1.10	1.32	0.81	0.71	0.31	0.15	0.02	0.04	0.20	0.19	0.63	0.98
CRMS 0163	1.32	1.35	1.40	1.35	1.41	1.45	0.94	0.79	0.58	1.26	1.37	1.36
CRMS 0162	1.20	1.20	1.13	1.06	1.06	1.07	1.07	0.66	0.24	0.64	1.05	1.18

V3PR7 HYST - cy 5 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.27	1.32	1.28	1.30	1.32	1.34	1.34	1.31	1.23	1.24	1.27
CRMS0276 - Just east of Wilkinson Canal	0.98	1.27	1.21	1.27	0.94	0.66	0.16	0.09	0.30	0.27	0.91	1.15
Barataria Waterway at Lafitte (USACE82875)	1.23	1.36	1.45	1.41	1.38	1.51	0.88	0.58	0.40	1.03	1.32	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.23	1.18	0.79	0.99	0.01	0.02	0.01	0.04	0.07	0.64	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.27	1.14	0.64	0.52	0.02	0.05	0.04	0.07	0.05	0.51	1.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.28	1.10	0.72	0.88	0.01	0.01	0.01	0.05	0.01	0.45	0.96
USGS 07380335 - Little Lake Near Cutoff	0.92	1.25	0.97	0.80	0.74	0.09	0.07	0.03	0.09	0.04	0.43	0.94
USGS073802516 Barataria Pass at Grand Isle	0.93	1.22	0.88	0.66	0.39	0.05	0.05	0.04	0.08	0.03	0.34	0.80
HWQ14 - Lake Washington	1.08	1.25	0.86	0.51	0.27	0.07	0.09	0.09	0.11	0.04	0.34	0.79
HWQ16 - Bayou Grand Liard	0.73	1.07	0.89	0.89	0.60	0.43	0.17	0.05	0.10	0.05	0.41	0.75
CRMS 3985	1.21	1.26	1.05	0.55	0.23	0.10	0.17	0.20	0.23	0.22	0.58	1.03
CRMS 0258	1.08	1.31	0.94	0.89	0.40	0.04	0.01	0.01	0.12	0.11	0.70	1.15
CRMS 0224	1.02	1.29	1.03	0.80	0.66	0.03	0.01	0.01	0.08	0.06	0.51	1.05
CRMS 0163	1.26	1.31	1.39	1.30	1.38	1.42	0.95	0.55	0.33	0.97	1.36	1.33
CRMS 0162	1.12	1.12	1.09	0.99	0.94	0.89	0.73	0.37	0.23	0.34	0.97	1.09

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.04	0.99	1.07	1.28	1.31	1.34	1.33	1.25	1.23	0.79	0.53
CRMS0276 - Just east of Wilkinson Canal	-0.08	-0.06	-0.08	-0.02	-0.26	-0.16	-0.09	-0.07	-0.14	-0.26	-0.10	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.06	-0.05	-0.01	-0.03	-0.06	-0.02	0.02	-0.05	-0.28	-0.22	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.12	-0.08	0.73	0.35	0.91	0.00	0.01	0.00	-0.05	0.05	0.16	0.28
USGS7380251 Barataria Bay North of Grand Isle	-0.03	0.18	0.83	0.47	0.50	-0.03	-0.09	-0.07	-0.08	-0.04	-0.03	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.06	0.45	0.34	0.78	-0.08	-0.11	-0.07	-0.11	-0.08	0.01	0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.04	0.11	0.19	0.43	-0.18	-0.17	0.01	-0.11	-0.06	-0.05	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.05	0.06	0.23	0.29	0.23	-0.11	-0.09	-0.01	-0.08	-0.03	-0.04	-0.06
HWQ14 - Lake Washington	-0.06	0.11	0.50	0.38	0.22	-0.01	-0.06	-0.05	-0.04	0.00	-0.05	-0.04
HWQ16 - Bayou Grand Liard	-0.04	0.00	-0.02	0.06	-0.08	-0.10	-0.05	0.00	-0.03	-0.03	-0.06	-0.03
CRMS 3985	-0.01	0.29	0.69	0.33	0.16	-0.06	-0.18	-0.12	-0.08	-0.07	-0.12	-0.06
CRMS 0258	-0.12	-0.08	0.01	-0.01	-0.01	-0.13	0.00	-0.01	-0.08	-0.05	-0.19	0.09
CRMS 0224	-0.08	-0.03	0.22	0.09	0.35	-0.12	-0.02	-0.03	-0.12	-0.13	-0.13	0.07
CRMS 0163	-0.06	-0.04	0.00	-0.05	-0.04	-0.03	0.01	-0.25	-0.24	-0.29	-0.02	-0.02
CRMS 0162	-0.08	-0.09	-0.04	-0.07	-0.12	-0.18	-0.34	-0.30	-0.01	-0.31	-0.08	-0.09

Figure WQ NO3 228 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.38	0.67	0.29	0.01	0.01	0.01	0.00	0.08	0.00	0.32	0.71
CRMS0276 - Just east of Wilkinson Canal	1.15	1.36	1.37	1.35	1.21	1.10	0.64	0.58	1.01	0.74	0.89	1.07
Barataria Waterway at Lafitte (USACE82875)	1.30	1.28	1.38	1.36	1.40	1.46	1.44	1.39	1.45	1.27	1.26	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.24	1.41	0.67	0.42	0.04	0.02	0.01	0.00	0.15	0.01	0.32	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.35	0.81	0.34	0.04	0.07	0.19	0.15	0.24	0.09	0.44	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.08	1.33	0.86	0.51	0.10	0.12	0.18	0.19	0.30	0.13	0.40	0.80
USGS 07380335 - Little Lake Near Cutoff	1.03	1.31	0.97	0.69	0.32	0.37	0.38	0.41	0.51	0.34	0.48	0.82
USGS073802516 Barataria Pass at Grand Isle	1.03	1.28	0.84	0.48	0.15	0.16	0.20	0.29	0.31	0.14	0.37	0.74
HWQ14 - Lake Washington	1.14	1.31	0.74	0.33	0.06	0.11	0.20	0.20	0.21	0.07	0.32	0.70
HWQ16 - Bayou Grand Liard	0.89	1.18	1.08	0.91	0.72	0.71	0.60	0.50	0.55	0.37	0.45	0.68
CRMS 3985	1.26	1.34	0.90	0.41	0.10	0.17	0.34	0.33	0.40	0.26	0.59	1.02
CRMS 0258	1.22	1.43	1.02	0.87	0.33	0.28	0.02	0.04	0.57	0.13	0.62	0.96
CRMS 0224	1.15	1.39	0.91	0.71	0.26	0.25	0.07	0.07	0.46	0.13	0.50	0.91
CRMS 0163	1.28	1.21	1.30	1.26	1.36	1.42	1.42	1.38	1.43	1.29	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.14	1.15	1.34	1.44	1.36	1.06	0.90	0.87	1.07

V3PR7 HYST - cy 5 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.27	1.32	1.30	1.27	1.24	1.36	1.29
CRMS0276 - Just east of Wilkinson Canal	1.14	1.34	1.37	1.28	0.93	0.90	0.90	0.69	0.93	0.64	0.85	1.02
Barataria Waterway at Lafitte (USACE82875)	1.25	1.30	1.38	1.36	1.33	1.39	1.25	1.16	1.39	1.14	1.27	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.15	1.22	1.21	1.23	1.27	1.30	0.67	0.03	0.05	0.79	1.05
USGS7380251 Barataria Bay North of Grand Isle	1.19	1.20	1.27	1.11	1.02	0.90	0.76	0.23	0.12	0.06	0.26	0.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.21	1.19	1.28	1.21	1.16	1.18	1.22	0.63	0.18	0.03	0.43	0.77
USGS 07380335 - Little Lake Near Cutoff	1.17	1.26	1.36	1.21	1.00	0.99	1.04	0.72	0.41	0.20	0.43	0.78
USGS073802516 Barataria Pass at Grand Isle	1.14	1.30	1.34	0.94	0.68	0.52	0.64	0.49	0.28	0.11	0.28	0.61
HWQ14 - Lake Washington	1.13	1.29	1.28	0.76	0.54	0.47	0.51	0.38	0.19	0.07	0.21	0.49
HWQ16 - Bayou Grand Liard	0.91	1.27	1.19	1.01	0.73	0.73	0.61	0.56	0.51	0.33	0.35	0.63
CRMS 3985	1.14	1.27	1.25	0.80	0.57	0.40	0.34	0.20	0.24	0.19	0.18	0.65
CRMS 0258	1.25	1.25	1.36	1.26	0.97	0.85	1.10	0.22	0.42	0.07	0.74	0.97
CRMS 0224	1.23	1.21	1.31	1.25	1.05	1.12	1.27	0.63	0.33	0.06	0.56	0.91
CRMS 0163	1.25	1.24	1.30	1.25	1.34	1.37	1.26	1.22	1.35	1.10	1.35	1.30
CRMS 0162	1.21	1.19	1.17	1.10	1.11	1.30	1.43	1.28	0.84	0.66	0.85	0.97

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.22	0.56	0.92	1.23	1.27	1.31	1.29	1.19	1.24	1.04	0.58
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.02	0.00	-0.07	-0.28	-0.20	0.26	0.11	-0.08	-0.10	-0.04	-0.05
Barataria Waterway at Lafitte (USACE82875)	-0.04	0.03	0.00	0.00	-0.07	-0.07	-0.19	-0.23	-0.05	-0.12	0.01	-0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.26	0.55	0.78	1.19	1.25	1.29	0.66	-0.11	0.04	0.48	0.31
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.15	0.47	0.77	0.98	0.83	0.58	0.07	-0.12	-0.04	-0.18	-0.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	-0.15	0.42	0.70	1.06	1.06	1.04	0.45	-0.12	-0.10	0.03	-0.03
USGS 07380335 - Little Lake Near Cutoff	0.14	-0.05	0.38	0.52	0.69	0.62	0.67	0.31	-0.10	-0.13	-0.05	-0.04
USGS073802516 Barataria Pass at Grand Isle	0.11	0.03	0.50	0.46	0.53	0.35	0.45	0.20	-0.03	-0.02	-0.09	-0.13
HWQ14 - Lake Washington	-0.01	-0.01	0.53	0.43	0.48	0.36	0.31	0.19	-0.02	-0.01	-0.11	-0.21
HWQ16 - Bayou Grand Liard	0.02	0.08	0.11	0.10	0.01	0.02	0.01	0.07	-0.04	-0.04	-0.09	-0.05
CRMS 3985	-0.12	-0.06	0.35	0.39	0.47	0.23	0.00	-0.13	-0.15	-0.08	-0.41	-0.37
CRMS 0258	0.03	-0.18	0.33	0.38	0.63	0.57	1.08	0.18	-0.16	-0.05	0.12	0.01
CRMS 0224	0.08	-0.18	0.40	0.54	0.78	0.87	1.20	0.56	-0.13	-0.07	0.06	0.00
CRMS 0163	-0.03	0.02	0.00	-0.02	-0.02	-0.04	-0.16	-0.15	-0.09	-0.18	0.01	-0.07
CRMS 0162	-0.04	-0.01	-0.04	-0.05	-0.05	-0.03	-0.02	-0.08	-0.22	-0.24	-0.02	-0.10

Figure WQ NO3 229 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.28	0.61	0.33	0.05	0.01	0.01	0.00	0.07	0.00	0.29	0.73
CRMS0276 - Just east of Wilkinson Canal	1.21	1.30	1.35	1.38	1.33	0.89	0.44	0.43	0.91	0.63	0.77	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.47	1.36	1.35	1.22	1.33	1.38	1.18	1.39	1.18	1.23	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.35	0.76	0.54	0.15	0.02	0.01	0.00	0.13	0.00	0.29	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.24	1.16	0.50	0.21	0.02	0.05	0.15	0.14	0.21	0.08	0.39	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	0.87	0.53	0.19	0.12	0.15	0.15	0.27	0.11	0.24	0.84
USGS 07380335 - Little Lake Near Cutoff	1.09	1.22	1.05	0.77	0.51	0.36	0.32	0.35	0.46	0.29	0.25	0.90
USGS073802516 Barataria Pass at Grand Isle	1.09	1.20	0.77	0.52	0.26	0.17	0.14	0.22	0.27	0.12	0.23	0.79
HWQ14 - Lake Washington	1.18	1.20	0.53	0.21	0.05	0.11	0.18	0.17	0.19	0.07	0.26	0.72
HWQ16 - Bayou Grand Liard	0.91	1.04	0.95	0.98	0.91	0.74	0.57	0.41	0.50	0.32	0.28	0.80
CRMS 3985	1.22	1.06	0.43	0.18	0.05	0.13	0.30	0.31	0.37	0.24	0.54	1.01
CRMS 0258	1.33	1.39	1.17	0.98	0.73	0.20	0.01	0.03	0.50	0.10	0.56	1.16
CRMS 0224	1.23	1.33	1.04	0.83	0.57	0.20	0.05	0.05	0.40	0.10	0.37	1.01
CRMS 0163	1.35	1.42	1.28	1.28	1.14	1.30	1.38	1.16	1.40	1.21	1.33	1.26
CRMS 0162	1.24	1.12	1.18	1.17	1.10	1.28	1.44	1.34	0.96	0.73	0.87	1.21

V3PR7 HYST - cy 5 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.31	1.34	1.20	1.19	1.04	1.18	1.31	1.27	1.26	1.28	1.34	1.20
CRMS0276 - Just east of Wilkinson Canal	1.23	1.23	1.28	1.36	1.29	0.78	0.78	0.46	0.82	0.44	0.67	1.24
Barataria Waterway at Lafitte (USACE82875)	1.34	1.39	1.34	1.35	1.21	1.23	1.07	1.12	1.22	0.90	1.22	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.32	1.19	1.19	1.05	1.18	1.29	0.03	0.04	0.06	0.76	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.28	1.33	1.22	1.17	1.05	1.01	0.70	0.06	0.12	0.05	0.26	1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.29	1.31	1.22	1.23	1.10	1.15	1.15	0.08	0.16	0.03	0.29	1.21
USGS 07380335 - Little Lake Near Cutoff	1.22	1.25	1.26	1.28	1.15	0.99	0.95	0.31	0.34	0.16	0.21	1.20
USGS073802516 Barataria Pass at Grand Isle	1.21	1.23	1.25	1.12	0.92	0.51	0.52	0.23	0.23	0.09	0.18	1.12
HWQ14 - Lake Washington	1.25	1.30	1.24	0.98	0.75	0.45	0.46	0.24	0.17	0.06	0.17	0.93
HWQ16 - Bayou Grand Liard	0.97	1.04	1.08	1.13	0.98	0.66	0.60	0.43	0.45	0.26	0.22	0.90
CRMS 3985	1.24	1.32	1.28	0.97	0.82	0.43	0.30	0.17	0.27	0.18	0.18	0.90
CRMS 0258	1.41	1.35	1.25	1.31	1.14	1.02	0.84	0.01	0.35	0.07	0.40	1.23
CRMS 0224	1.33	1.32	1.23	1.28	1.13	1.12	1.20	0.05	0.28	0.05	0.28	1.21
CRMS 0163	1.32	1.33	1.27	1.27	1.14	1.25	1.10	1.18	1.21	0.90	1.34	1.28
CRMS 0162	1.19	1.01	1.13	1.12	1.07	1.27	1.43	1.25	0.66	0.48	0.84	1.14

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.06	0.59	0.87	1.00	1.17	1.30	1.26	1.19	1.28	1.05	0.48
CRMS0276 - Just east of Wilkinson Canal	0.02	-0.07	-0.07	-0.02	-0.03	-0.11	0.33	0.02	-0.09	-0.19	-0.10	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.08	-0.02	0.00	-0.02	-0.11	-0.31	-0.05	-0.17	-0.28	0.00	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.09	-0.03	0.43	0.65	0.90	1.15	1.28	0.03	-0.09	0.06	0.46	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.04	0.17	0.72	0.97	1.03	0.97	0.55	-0.07	-0.10	-0.03	-0.13	0.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.05	0.34	0.70	0.91	1.03	1.00	-0.07	-0.11	-0.09	0.05	0.37
USGS 07380335 - Little Lake Near Cutoff	0.13	0.02	0.21	0.51	0.64	0.63	0.63	-0.04	-0.12	-0.12	-0.04	0.30
USGS073802516 Barataria Pass at Grand Isle	0.12	0.03	0.48	0.60	0.66	0.34	0.38	0.00	-0.03	-0.02	-0.05	0.33
HWQ14 - Lake Washington	0.07	0.10	0.71	0.77	0.70	0.35	0.28	0.06	-0.02	0.00	-0.09	0.21
HWQ16 - Bayou Grand Liard	0.05	-0.01	0.13	0.15	0.07	-0.07	0.03	0.02	-0.05	-0.06	-0.06	0.10
CRMS 3985	0.02	0.26	0.84	0.79	0.77	0.30	0.00	-0.13	-0.10	-0.06	-0.36	-0.11
CRMS 0258	0.08	-0.04	0.08	0.33	0.42	0.81	0.82	-0.02	-0.15	-0.03	-0.16	0.07
CRMS 0224	0.10	-0.01	0.19	0.45	0.55	0.92	1.15	0.00	-0.12	-0.06	-0.09	0.20
CRMS 0163	-0.03	-0.10	-0.01	-0.01	0.00	-0.05	-0.28	0.01	-0.19	-0.32	0.01	0.01
CRMS 0162	-0.05	-0.12	-0.04	-0.05	-0.03	-0.01	-0.01	-0.09	-0.29	-0.25	-0.03	-0.07

Figure WQ NO3 230 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.99	1.15	0.58	0.37	0.01	0.00	0.01	0.00	0.04	0.00	0.18	0.47
CRMS0276 - Just east of Wilkinson Canal	0.97	1.27	1.33	1.30	1.15	0.97	0.69	0.41	0.95	0.83	0.81	0.92
Barataria Waterway at Lafitte (USACE82875)	1.23	1.36	1.30	1.19	1.30	1.42	1.41	1.21	1.44	1.27	1.19	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	1.18	0.60	0.51	0.04	0.00	0.00	0.00	0.11	0.02	0.20	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.13	0.73	0.32	0.02	0.03	0.06	0.05	0.11	0.05	0.26	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	1.10	0.80	0.50	0.08	0.07	0.12	0.12	0.19	0.11	0.30	0.56
USGS 07380335 - Little Lake Near Cutoff	0.78	1.10	0.99	0.73	0.28	0.24	0.34	0.33	0.40	0.35	0.40	0.59
USGS073802516 Barataria Pass at Grand Isle	0.77	1.05	0.75	0.48	0.12	0.07	0.13	0.21	0.18	0.12	0.27	0.50
HWQ14 - Lake Washington	0.87	1.07	0.62	0.28	0.03	0.04	0.09	0.07	0.10	0.03	0.18	0.43
HWQ16 - Bayou Grand Liard	0.70	1.01	1.03	0.96	0.70	0.60	0.64	0.43	0.50	0.44	0.40	0.49
CRMS 3985	1.05	1.15	0.86	0.32	0.04	0.06	0.11	0.16	0.26	0.18	0.41	0.78
CRMS 0258	0.98	1.27	1.06	0.92	0.26	0.11	0.01	0.03	0.50	0.24	0.47	0.78
CRMS 0224	0.87	1.20	0.90	0.79	0.22	0.09	0.03	0.02	0.38	0.16	0.37	0.72
CRMS 0163	1.27	1.31	1.23	1.13	1.24	1.38	1.39	1.22	1.40	1.28	1.29	1.35
CRMS 0162	1.24	1.19	1.18	1.09	1.17	1.32	1.42	1.35	1.10	1.03	0.82	0.98

V3PR8 HYST - cy 5 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.24	1.18	1.06	1.15	1.24	1.28	1.32	1.30	1.32	1.36	1.34
CRMS0276 - Just east of Wilkinson Canal	1.04	1.28	1.36	1.34	0.86	0.79	0.87	0.53	0.99	0.88	0.87	0.94
Barataria Waterway at Lafitte (USACE82875)	1.26	1.39	1.34	1.22	1.34	1.37	1.21	1.03	1.48	1.30	1.28	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	1.19	1.21	1.17	1.06	1.15	1.24	1.26	0.44	0.32	0.34	0.77	1.10
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.27	1.21	1.10	1.14	1.16	1.06	0.19	0.26	0.29	0.39	0.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.18	1.25	1.21	1.11	1.17	1.21	1.23	0.38	0.25	0.46	0.51	0.88
USGS 07380335 - Little Lake Near Cutoff	1.06	1.26	1.29	1.19	1.10	1.00	1.08	0.46	0.45	0.62	0.53	0.81
USGS073802516 Barataria Pass at Grand Isle	1.06	1.27	1.31	1.07	0.66	0.53	0.70	0.29	0.31	0.39	0.40	0.68
HWQ14 - Lake Washington	1.15	1.29	1.28	1.00	0.59	0.51	0.57	0.31	0.25	0.25	0.31	0.71
HWQ16 - Bayou Grand Liard	0.81	1.14	1.25	1.11	0.70	0.66	0.69	0.54	0.55	0.52	0.46	0.59
CRMS 3985	1.21	1.29	1.28	1.06	0.84	0.63	0.59	0.22	0.24	0.23	0.41	0.95
CRMS 0258	1.19	1.30	1.29	1.22	1.01	0.73	0.93	0.08	0.38	0.28	0.61	0.94
CRMS 0224	1.16	1.27	1.26	1.18	1.07	1.10	1.24	0.33	0.31	0.41	0.56	0.93
CRMS 0163	1.27	1.32	1.25	1.14	1.25	1.38	1.27	1.13	1.42	1.30	1.30	1.34
CRMS 0162	1.23	1.18	1.17	1.09	1.17	1.30	1.43	1.33	1.07	1.01	0.81	0.96

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.27	0.10	0.60	0.69	1.14	1.24	1.27	1.31	1.26	1.31	1.18	0.87
CRMS0276 - Just east of Wilkinson Canal	0.07	0.01	0.03	0.05	-0.29	-0.18	0.18	0.12	0.05	0.05	0.06	0.02
Barataria Waterway at Lafitte (USACE82875)	0.04	0.03	0.04	0.03	0.04	-0.05	-0.19	-0.18	0.05	0.03	0.10	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.02	0.57	0.55	1.11	1.24	1.26	0.44	0.21	0.32	0.57	0.59
USGS7380251 Barataria Bay North of Grand Isle	0.24	0.14	0.48	0.78	1.12	1.14	1.01	0.14	0.15	0.24	0.13	0.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.36	0.15	0.41	0.61	1.09	1.14	1.10	0.26	0.06	0.36	0.21	0.32
USGS 07380335 - Little Lake Near Cutoff	0.28	0.16	0.30	0.46	0.82	0.77	0.75	0.13	0.05	0.27	0.13	0.22
USGS073802516 Barataria Pass at Grand Isle	0.29	0.22	0.56	0.59	0.54	0.46	0.57	0.08	0.13	0.26	0.13	0.19
HWQ14 - Lake Washington	0.28	0.23	0.66	0.72	0.56	0.47	0.48	0.24	0.15	0.21	0.14	0.28
HWQ16 - Bayou Grand Liard	0.11	0.13	0.22	0.15	0.00	0.05	0.05	0.12	0.05	0.08	0.06	0.11
CRMS 3985	0.16	0.14	0.42	0.75	0.80	0.58	0.48	0.05	-0.02	0.05	0.00	0.17
CRMS 0258	0.21	0.03	0.24	0.30	0.75	0.62	0.92	0.05	-0.12	0.05	0.15	0.16
CRMS 0224	0.29	0.08	0.35	0.39	0.86	1.01	1.21	0.31	-0.07	0.25	0.18	0.21
CRMS 0163	0.01	0.01	0.02	0.01	0.02	-0.01	-0.12	-0.09	0.02	0.02	0.00	-0.01
CRMS 0162	-0.01	-0.01	-0.01	0.00	0.00	-0.02	0.01	-0.02	-0.03	-0.02	-0.01	-0.02

Figure WQ NO3 231 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.37	0.71	0.36	0.02	0.01	0.01	0.00	0.07	0.00	0.27	0.70
CRMS0276 - Just east of Wilkinson Canal	1.16	1.36	1.38	1.32	1.34	0.71	0.31	0.41	0.73	0.44	0.75	1.18
Barataria Waterway at Lafitte (USACE82875)	1.31	1.32	1.28	1.32	1.35	1.24	1.25	1.04	1.27	0.99	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.39	0.74	0.46	0.09	0.01	0.01	0.00	0.12	0.03	0.26	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.34	0.83	0.41	0.04	0.06	0.13	0.14	0.20	0.06	0.39	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.31	0.94	0.53	0.14	0.10	0.14	0.14	0.21	0.11	0.18	0.81
USGS 07380335 - Little Lake Near Cutoff	1.03	1.29	1.10	0.68	0.41	0.26	0.29	0.23	0.35	0.18	0.18	0.84
USGS073802516 Barataria Pass at Grand Isle	1.03	1.25	0.91	0.51	0.20	0.12	0.13	0.14	0.24	0.08	0.19	0.75
HWQ14 - Lake Washington	1.15	1.29	0.77	0.38	0.07	0.11	0.17	0.16	0.18	0.05	0.25	0.72
HWQ16 - Bayou Grand Liard	0.85	1.15	1.13	0.91	0.85	0.56	0.37	0.13	0.34	0.16	0.26	0.75
CRMS 3985	1.27	1.33	0.92	0.45	0.10	0.15	0.25	0.32	0.37	0.22	0.56	1.01
CRMS 0258	1.28	1.42	1.11	0.84	0.39	0.07	0.01	0.04	0.33	0.12	0.46	1.11
CRMS 0224	1.18	1.37	1.00	0.71	0.35	0.08	0.03	0.07	0.27	0.13	0.25	0.97
CRMS 0163	1.31	1.25	1.21	1.25	1.27	1.28	1.29	1.10	1.29	0.97	1.35	1.34
CRMS 0162	1.25	1.20	1.18	1.16	1.19	1.34	1.47	1.12	0.60	0.41	0.92	1.19

V3PR8 HYST - cy 5 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.19	1.16	1.17	1.17	1.32	1.30	1.31	1.30	1.30	1.30	1.26
CRMS0276 - Just east of Wilkinson Canal	1.17	1.33	1.37	1.21	1.05	0.53	0.23	0.34	0.67	0.44	0.76	1.16
Barataria Waterway at Lafitte (USACE82875)	1.31	1.35	1.31	1.36	1.38	1.21	1.22	1.05	1.20	0.96	1.31	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.21	1.18	1.15	1.17	1.17	0.37	0.00	0.00	0.03	0.03	0.69	1.14
USGS7380251 Barataria Bay North of Grand Isle	1.27	1.22	1.19	1.18	1.18	0.26	0.07	0.06	0.12	0.04	0.39	1.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.26	1.22	1.19	1.21	1.20	0.28	0.03	0.03	0.11	0.02	0.34	1.08
USGS 07380335 - Little Lake Near Cutoff	1.21	1.29	1.28	1.24	1.18	0.28	0.12	0.14	0.24	0.14	0.30	1.02
USGS073802516 Barataria Pass at Grand Isle	1.20	1.32	1.30	1.02	0.81	0.20	0.07	0.11	0.17	0.07	0.25	0.88
HWQ14 - Lake Washington	1.24	1.30	1.28	0.93	0.72	0.23	0.15	0.13	0.16	0.06	0.26	0.84
HWQ16 - Bayou Grand Liard	0.93	1.24	1.27	1.00	0.85	0.53	0.33	0.13	0.35	0.20	0.31	0.77
CRMS 3985	1.25	1.29	1.28	1.03	0.94	0.25	0.17	0.18	0.29	0.17	0.38	1.01
CRMS 0258	1.31	1.29	1.27	1.25	1.09	0.01	0.01	0.01	0.22	0.07	0.51	1.19
CRMS 0224	1.28	1.25	1.23	1.25	1.14	0.08	0.01	0.02	0.17	0.04	0.36	1.14
CRMS 0163	1.30	1.27	1.22	1.26	1.28	1.28	1.32	1.17	1.23	1.01	1.34	1.34
CRMS 0162	1.23	1.19	1.17	1.16	1.17	1.31	1.42	1.09	0.58	0.46	0.89	1.16

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.18	0.44	0.81	1.15	1.31	1.29	1.31	1.24	1.30	1.03	0.56
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.02	-0.01	-0.11	-0.29	-0.18	-0.08	-0.06	-0.06	0.01	0.01	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.03	0.03	0.04	0.03	-0.03	-0.03	0.02	-0.06	-0.04	0.07	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.22	0.41	0.71	1.09	0.36	0.00	0.00	-0.09	0.00	0.43	0.40
USGS7380251 Barataria Bay North of Grand Isle	0.02	-0.12	0.36	0.78	1.13	0.20	-0.06	-0.08	-0.08	-0.02	0.00	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	-0.09	0.25	0.68	1.06	0.18	-0.11	-0.11	-0.10	-0.09	0.16	0.27
USGS 07380335 - Little Lake Near Cutoff	0.18	0.00	0.17	0.55	0.77	0.01	-0.17	-0.08	-0.11	-0.04	0.12	0.18
USGS073802516 Barataria Pass at Grand Isle	0.17	0.06	0.40	0.51	0.61	0.08	-0.06	-0.03	-0.07	-0.01	0.06	0.13
HWQ14 - Lake Washington	0.09	0.00	0.52	0.55	0.64	0.12	-0.02	-0.04	-0.02	0.01	0.01	0.12
HWQ16 - Bayou Grand Liard	0.08	0.10	0.14	0.09	0.00	-0.03	-0.04	0.00	0.01	0.04	0.05	0.03
CRMS 3985	-0.03	-0.04	0.36	0.58	0.84	0.10	-0.08	-0.14	-0.07	-0.04	-0.18	0.00
CRMS 0258	0.03	-0.13	0.16	0.41	0.71	-0.06	0.00	-0.03	-0.10	-0.04	0.05	0.08
CRMS 0224	0.10	-0.12	0.23	0.53	0.79	-0.01	-0.02	-0.06	-0.10	-0.09	0.11	0.17
CRMS 0163	-0.01	0.02	0.01	0.01	0.01	0.00	0.03	0.07	-0.06	0.03	-0.02	-0.01
CRMS 0162	-0.02	-0.01	-0.01	0.01	-0.02	-0.03	-0.04	-0.03	-0.02	0.05	-0.04	-0.03

Figure WQ NO3 232 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.23	0.33	0.21	0.02	0.00	0.01	0.00	0.06	0.01	0.45	0.74
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.29	1.29	1.20	0.82	0.25	0.16	0.44	0.52	1.01	1.17
Barataria Waterway at Lafitte (USACE82875)	1.29	1.40	1.46	1.44	1.44	1.53	0.87	0.63	0.67	1.26	1.34	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.31	0.45	0.43	0.08	0.00	0.01	0.01	0.09	0.03	0.48	0.75
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.09	0.31	0.17	0.03	0.05	0.14	0.10	0.15	0.09	0.55	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.22	0.66	0.38	0.10	0.10	0.12	0.08	0.16	0.10	0.43	0.91
USGS 07380335 - Little Lake Near Cutoff	0.95	1.22	0.86	0.60	0.31	0.27	0.24	0.03	0.19	0.10	0.48	0.94
USGS073802516 Barataria Pass at Grand Isle	0.98	1.17	0.65	0.37	0.16	0.16	0.14	0.05	0.17	0.06	0.39	0.86
HWQ14 - Lake Washington	1.13	1.13	0.36	0.13	0.04	0.08	0.16	0.13	0.15	0.04	0.39	0.83
HWQ16 - Bayou Grand Liard	0.76	1.07	0.92	0.84	0.69	0.53	0.22	0.06	0.13	0.08	0.47	0.79
CRMS 3985	1.22	0.97	0.36	0.22	0.07	0.16	0.34	0.31	0.31	0.29	0.71	1.08
CRMS 0258	1.20	1.39	0.93	0.89	0.41	0.17	0.01	0.02	0.19	0.16	0.89	1.06
CRMS 0224	1.10	1.32	0.81	0.71	0.31	0.15	0.02	0.04	0.20	0.19	0.63	0.98
CRMS 0163	1.32	1.35	1.40	1.35	1.41	1.45	0.94	0.79	0.58	1.26	1.37	1.36
CRMS 0162	1.20	1.20	1.13	1.06	1.06	1.07	1.07	0.66	0.24	0.64	1.05	1.18

V3PR8 HYST - cy 5 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.33	1.27	1.32	1.29	1.30	1.33	1.38	1.35	1.32	1.25	1.24	1.27
CRMS0276 - Just east of Wilkinson Canal	1.00	1.27	1.20	1.28	0.95	0.72	0.18	0.15	0.39	0.40	0.98	1.15
Barataria Waterway at Lafitte (USACE82875)	1.26	1.38	1.46	1.44	1.42	1.51	0.91	0.58	0.69	1.21	1.38	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	1.11	1.22	1.16	0.74	0.97	0.01	0.01	0.00	0.02	0.03	0.63	1.03
USGS7380251 Barataria Bay North of Grand Isle	1.16	1.26	1.15	0.67	0.63	0.02	0.04	0.04	0.07	0.05	0.49	0.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.27	1.09	0.73	0.87	0.02	0.02	0.01	0.05	0.02	0.50	0.95
USGS 07380335 - Little Lake Near Cutoff	0.93	1.25	0.94	0.80	0.70	0.11	0.09	0.04	0.11	0.07	0.52	0.93
USGS073802516 Barataria Pass at Grand Isle	0.93	1.22	0.86	0.65	0.39	0.05	0.05	0.04	0.09	0.03	0.37	0.79
HWQ14 - Lake Washington	1.06	1.23	0.88	0.53	0.30	0.07	0.09	0.09	0.12	0.05	0.34	0.77
HWQ16 - Bayou Grand Liard	0.75	1.07	0.89	0.89	0.60	0.46	0.20	0.05	0.13	0.07	0.46	0.75
CRMS 3985	1.16	1.23	1.05	0.58	0.29	0.11	0.13	0.19	0.24	0.20	0.55	0.98
CRMS 0258	1.07	1.30	0.87	0.86	0.24	0.05	0.01	0.01	0.13	0.11	0.85	1.14
CRMS 0224	1.02	1.28	0.97	0.79	0.55	0.04	0.01	0.01	0.10	0.08	0.65	1.04
CRMS 0163	1.29	1.32	1.40	1.33	1.40	1.46	1.14	0.84	0.61	1.22	1.36	1.35
CRMS 0162	1.17	1.16	1.09	1.03	1.03	1.05	1.04	0.62	0.21	0.57	1.00	1.17

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.04	0.99	1.07	1.29	1.33	1.37	1.35	1.27	1.25	0.79	0.53
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.06	-0.09	-0.01	-0.25	-0.10	-0.06	-0.02	-0.05	-0.12	-0.03	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.03	0.00	0.00	-0.02	-0.01	0.04	-0.05	0.02	-0.04	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.13	-0.09	0.71	0.30	0.89	0.00	0.00	0.00	-0.07	0.00	0.14	0.28
USGS7380251 Barataria Bay North of Grand Isle	-0.06	0.17	0.84	0.50	0.60	-0.03	-0.10	-0.07	-0.08	-0.04	-0.06	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.05	0.44	0.34	0.78	-0.08	-0.11	-0.07	-0.11	-0.08	0.07	0.04
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.03	0.09	0.19	0.39	-0.16	-0.15	0.01	-0.08	-0.03	0.04	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.04	0.05	0.22	0.28	0.23	-0.11	-0.09	-0.01	-0.07	-0.03	-0.01	-0.07
HWQ14 - Lake Washington	-0.07	0.09	0.52	0.40	0.26	-0.01	-0.07	-0.05	-0.04	0.01	-0.05	-0.06
HWQ16 - Bayou Grand Liard	-0.01	0.00	-0.03	0.05	-0.09	-0.07	-0.02	0.00	0.00	-0.01	-0.01	-0.04
CRMS 3985	-0.06	0.27	0.69	0.36	0.21	-0.05	-0.22	-0.13	-0.07	-0.09	-0.16	-0.10
CRMS 0258	-0.13	-0.09	-0.05	-0.03	-0.17	-0.12	0.00	-0.01	-0.06	-0.05	-0.03	0.08
CRMS 0224	-0.09	-0.04	0.16	0.07	0.24	-0.11	-0.02	-0.03	-0.10	-0.11	0.02	0.06
CRMS 0163	-0.03	-0.02	0.00	-0.02	-0.02	0.01	0.20	0.05	0.04	-0.04	-0.01	-0.01
CRMS 0162	-0.03	-0.05	-0.03	-0.03	-0.03	-0.02	-0.03	-0.04	-0.03	-0.08	-0.05	-0.02

Figure WQ NO3 233 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.38	0.67	0.29	0.01	0.01	0.01	0.00	0.08	0.00	0.32	0.71
CRMS0276 - Just east of Wilkinson Canal	1.15	1.36	1.37	1.35	1.21	1.10	0.64	0.58	1.01	0.74	0.89	1.07
Barataria Waterway at Lafitte (USACE82875)	1.30	1.28	1.38	1.36	1.40	1.46	1.44	1.39	1.45	1.27	1.26	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.24	1.41	0.67	0.42	0.04	0.02	0.01	0.00	0.15	0.01	0.32	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.35	0.81	0.34	0.04	0.07	0.19	0.15	0.24	0.09	0.44	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.08	1.33	0.86	0.51	0.10	0.12	0.18	0.19	0.30	0.13	0.40	0.80
USGS 07380335 - Little Lake Near Cutoff	1.03	1.31	0.97	0.69	0.32	0.37	0.38	0.41	0.51	0.34	0.48	0.82
USGS073802516 Barataria Pass at Grand Isle	1.03	1.28	0.84	0.48	0.15	0.16	0.20	0.29	0.31	0.14	0.37	0.74
HWQ14 - Lake Washington	1.14	1.31	0.74	0.33	0.06	0.11	0.20	0.20	0.21	0.07	0.32	0.70
HWQ16 - Bayou Grand Liard	0.89	1.18	1.08	0.91	0.72	0.71	0.60	0.50	0.55	0.37	0.45	0.68
CRMS 3985	1.26	1.34	0.90	0.41	0.10	0.17	0.34	0.33	0.40	0.26	0.59	1.02
CRMS 0258	1.22	1.43	1.02	0.87	0.33	0.28	0.02	0.04	0.57	0.13	0.62	0.96
CRMS 0224	1.15	1.39	0.91	0.71	0.26	0.25	0.07	0.07	0.46	0.13	0.50	0.91
CRMS 0163	1.28	1.21	1.30	1.26	1.36	1.42	1.42	1.38	1.43	1.29	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.14	1.15	1.34	1.44	1.36	1.06	0.90	0.87	1.07

V3PR8 HYST - cy 5 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.22	1.16	1.23	1.21	1.23	1.28	1.32	1.31	1.30	1.26	1.34	1.30
CRMS0276 - Just east of Wilkinson Canal	1.16	1.34	1.36	1.25	0.94	0.88	0.82	0.65	1.00	0.72	0.88	1.04
Barataria Waterway at Lafitte (USACE82875)	1.29	1.32	1.40	1.39	1.37	1.41	1.22	1.14	1.47	1.27	1.30	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.20	1.15	1.21	1.21	1.23	1.26	1.29	0.64	0.03	0.03	0.74	1.06
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.19	1.27	1.16	1.10	1.05	0.97	0.33	0.11	0.06	0.38	0.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.22	1.19	1.28	1.21	1.15	1.18	1.24	0.65	0.17	0.03	0.47	0.87
USGS 07380335 - Little Lake Near Cutoff	1.19	1.27	1.36	1.19	0.98	0.96	1.04	0.72	0.44	0.22	0.50	0.84
USGS073802516 Barataria Pass at Grand Isle	1.19	1.31	1.35	0.95	0.69	0.54	0.66	0.49	0.28	0.12	0.36	0.70
HWQ14 - Lake Washington	1.19	1.30	1.31	0.84	0.61	0.52	0.52	0.38	0.19	0.07	0.29	0.68
HWQ16 - Bayou Grand Liard	0.94	1.28	1.19	0.99	0.72	0.73	0.61	0.57	0.54	0.38	0.45	0.67
CRMS 3985	1.22	1.29	1.31	0.94	0.78	0.57	0.47	0.23	0.23	0.18	0.41	0.92
CRMS 0258	1.26	1.27	1.37	1.20	0.82	0.62	0.82	0.08	0.42	0.08	0.62	0.97
CRMS 0224	1.23	1.23	1.33	1.22	0.96	1.02	1.25	0.58	0.33	0.05	0.54	0.94
CRMS 0163	1.27	1.23	1.30	1.26	1.35	1.40	1.30	1.26	1.45	1.29	1.31	1.36
CRMS 0162	1.23	1.19	1.20	1.13	1.12	1.33	1.45	1.33	1.00	0.85	0.82	1.00

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.22	0.56	0.93	1.23	1.27	1.31	1.30	1.22	1.26	1.02	0.59
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.02	0.00	-0.09	-0.28	-0.21	0.19	0.07	-0.01	-0.03	-0.02	-0.03
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.04	0.01	0.03	-0.02	-0.05	-0.22	-0.24	0.03	0.00	0.04	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.26	0.55	0.78	1.18	1.24	1.28	0.64	-0.12	0.02	0.43	0.32
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.16	0.47	0.83	1.06	0.98	0.79	0.17	-0.12	-0.04	-0.06	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	-0.14	0.42	0.70	1.06	1.06	1.06	0.46	-0.13	-0.10	0.08	0.07
USGS 07380335 - Little Lake Near Cutoff	0.17	-0.04	0.39	0.51	0.66	0.59	0.67	0.31	-0.07	-0.12	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.16	0.03	0.51	0.47	0.54	0.38	0.46	0.20	-0.02	-0.02	-0.01	-0.04
HWQ14 - Lake Washington	0.05	0.00	0.57	0.51	0.55	0.41	0.32	0.19	-0.01	0.00	-0.03	-0.02
HWQ16 - Bayou Grand Liard	0.05	0.09	0.11	0.08	0.00	0.01	0.01	0.08	-0.01	0.01	0.00	-0.02
CRMS 3985	-0.04	-0.05	0.41	0.53	0.68	0.40	0.13	-0.10	-0.17	-0.08	-0.18	-0.09
CRMS 0258	0.03	-0.16	0.34	0.33	0.49	0.33	0.80	0.04	-0.15	-0.05	0.01	0.02
CRMS 0224	0.09	-0.17	0.41	0.51	0.70	0.77	1.18	0.51	-0.13	-0.07	0.04	0.03
CRMS 0163	-0.01	0.02	0.01	0.00	0.00	-0.01	-0.11	-0.12	0.02	0.00	-0.03	-0.01
CRMS 0162	-0.02	0.00	-0.01	-0.01	-0.04	-0.01	0.01	-0.03	-0.06	-0.05	-0.05	-0.07

Figure WQ NO3 234 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.28	0.61	0.33	0.05	0.01	0.01	0.00	0.07	0.00	0.29	0.73
CRMS0276 - Just east of Wilkinson Canal	1.21	1.30	1.35	1.38	1.33	0.89	0.44	0.43	0.91	0.63	0.77	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.47	1.36	1.35	1.22	1.33	1.38	1.18	1.39	1.18	1.23	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.35	0.76	0.54	0.15	0.02	0.01	0.00	0.13	0.00	0.29	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.24	1.16	0.50	0.21	0.02	0.05	0.15	0.14	0.21	0.08	0.39	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	0.87	0.53	0.19	0.12	0.15	0.15	0.27	0.11	0.24	0.84
USGS 07380335 - Little Lake Near Cutoff	1.09	1.22	1.05	0.77	0.51	0.36	0.32	0.35	0.46	0.29	0.25	0.90
USGS073802516 Barataria Pass at Grand Isle	1.09	1.20	0.77	0.52	0.26	0.17	0.14	0.22	0.27	0.12	0.23	0.79
HWQ14 - Lake Washington	1.18	1.20	0.53	0.21	0.05	0.11	0.18	0.17	0.19	0.07	0.26	0.72
HWQ16 - Bayou Grand Liard	0.91	1.04	0.95	0.98	0.91	0.74	0.57	0.41	0.50	0.32	0.28	0.80
CRMS 3985	1.22	1.06	0.43	0.18	0.05	0.13	0.30	0.31	0.37	0.24	0.54	1.01
CRMS 0258	1.33	1.39	1.17	0.98	0.73	0.20	0.01	0.03	0.50	0.10	0.56	1.16
CRMS 0224	1.23	1.33	1.04	0.83	0.57	0.20	0.05	0.05	0.40	0.10	0.37	1.01
CRMS 0163	1.35	1.42	1.28	1.28	1.14	1.30	1.38	1.16	1.40	1.21	1.33	1.26
CRMS 0162	1.24	1.12	1.18	1.17	1.10	1.28	1.44	1.34	0.96	0.73	0.87	1.21

V3PR8 HYST - cy 5 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.34	1.34	1.20	1.19	1.04	1.18	1.31	1.29	1.27	1.30	1.32	1.20
CRMS0276 - Just east of Wilkinson Canal	1.23	1.26	1.29	1.36	1.29	0.74	0.72	0.45	0.88	0.54	0.73	1.23
Barataria Waterway at Lafitte (USACE82875)	1.35	1.44	1.36	1.38	1.25	1.25	1.05	1.16	1.41	1.07	1.27	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.30	1.19	1.19	1.05	1.18	1.28	0.02	0.03	0.04	0.77	1.19
USGS7380251 Barataria Bay North of Grand Isle	1.33	1.24	1.20	1.20	1.08	1.10	0.90	0.06	0.11	0.05	0.39	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.34	1.29	1.22	1.23	1.10	1.14	1.17	0.08	0.16	0.02	0.38	1.22
USGS 07380335 - Little Lake Near Cutoff	1.24	1.25	1.25	1.27	1.15	0.95	0.93	0.32	0.37	0.18	0.31	1.22
USGS073802516 Barataria Pass at Grand Isle	1.24	1.23	1.23	1.11	0.94	0.50	0.53	0.25	0.25	0.10	0.25	1.17
HWQ14 - Lake Washington	1.32	1.25	1.19	1.01	0.81	0.50	0.47	0.25	0.18	0.07	0.26	1.08
HWQ16 - Bayou Grand Liard	0.97	1.05	1.07	1.11	0.97	0.64	0.59	0.45	0.49	0.31	0.28	0.93
CRMS 3985	1.26	1.18	1.23	1.07	0.98	0.65	0.41	0.19	0.26	0.19	0.41	1.13
CRMS 0258	1.41	1.35	1.25	1.31	1.12	0.81	0.60	0.01	0.37	0.05	0.54	1.24
CRMS 0224	1.35	1.32	1.24	1.28	1.12	1.07	1.14	0.04	0.29	0.04	0.41	1.21
CRMS 0163	1.34	1.38	1.27	1.29	1.14	1.28	1.19	1.22	1.40	1.14	1.31	1.28
CRMS 0162	1.22	1.06	1.14	1.14	1.08	1.27	1.45	1.32	0.89	0.66	0.84	1.17

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.59	0.87	1.00	1.17	1.31	1.29	1.20	1.30	1.03	0.48
CRMS0276 - Just east of Wilkinson Canal	0.02	-0.04	-0.07	-0.02	-0.04	-0.15	0.28	0.02	-0.03	-0.09	-0.05	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.03	0.00	0.03	0.02	-0.08	-0.34	-0.02	0.02	-0.11	0.05	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.04	0.43	0.65	0.90	1.15	1.27	0.02	-0.10	0.03	0.48	0.42
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.70	0.99	1.06	1.05	0.75	-0.07	-0.10	-0.03	0.00	0.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.04	0.34	0.70	0.91	1.02	1.02	-0.07	-0.11	-0.09	0.14	0.37
USGS 07380335 - Little Lake Near Cutoff	0.15	0.03	0.21	0.50	0.64	0.58	0.61	-0.03	-0.09	-0.11	0.06	0.31
USGS073802516 Barataria Pass at Grand Isle	0.15	0.03	0.45	0.60	0.68	0.34	0.39	0.03	-0.02	-0.02	0.02	0.38
HWQ14 - Lake Washington	0.14	0.05	0.66	0.80	0.76	0.39	0.29	0.08	-0.01	0.00	0.00	0.36
HWQ16 - Bayou Grand Liard	0.06	0.01	0.13	0.13	0.06	-0.10	0.02	0.05	-0.01	-0.01	0.01	0.13
CRMS 3985	0.04	0.12	0.79	0.90	0.93	0.52	0.11	-0.12	-0.12	-0.05	-0.14	0.12
CRMS 0258	0.08	-0.04	0.08	0.33	0.39	0.61	0.59	-0.02	-0.13	-0.05	-0.02	0.08
CRMS 0224	0.12	-0.01	0.20	0.46	0.54	0.87	1.10	0.00	-0.11	-0.06	0.04	0.20
CRMS 0163	-0.01	-0.04	0.00	0.00	0.00	-0.01	-0.19	0.06	0.00	-0.08	-0.02	0.02
CRMS 0162	-0.02	-0.06	-0.04	-0.02	-0.02	0.00	0.01	-0.02	-0.07	-0.07	-0.03	-0.03

Figure WQ NO3 235 - Monthly Average NO3 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.99	1.15	0.58	0.37	0.01	0.00	0.01	0.00	0.04	0.00	0.18	0.47
CRMS0276 - Just east of Wilkinson Canal	0.97	1.27	1.33	1.30	1.15	0.97	0.69	0.41	0.95	0.83	0.81	0.92
Barataria Waterway at Lafitte (USACE82875)	1.23	1.36	1.30	1.19	1.30	1.42	1.41	1.21	1.44	1.27	1.19	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	1.18	0.60	0.51	0.04	0.00	0.00	0.00	0.11	0.02	0.20	0.51
USGS7380251 Barataria Bay North of Grand Isle	0.99	1.13	0.73	0.32	0.02	0.03	0.06	0.05	0.11	0.05	0.26	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.81	1.10	0.80	0.50	0.08	0.07	0.12	0.12	0.19	0.11	0.30	0.56
USGS 07380335 - Little Lake Near Cutoff	0.78	1.10	0.99	0.73	0.28	0.24	0.34	0.33	0.40	0.35	0.40	0.59
USGS073802516 Barataria Pass at Grand Isle	0.77	1.05	0.75	0.48	0.12	0.07	0.13	0.21	0.18	0.12	0.27	0.50
HWQ14 - Lake Washington	0.87	1.07	0.62	0.28	0.03	0.04	0.09	0.07	0.10	0.03	0.18	0.43
HWQ16 - Bayou Grand Liard	0.70	1.01	1.03	0.96	0.70	0.60	0.64	0.43	0.50	0.44	0.40	0.49
CRMS 3985	1.05	1.15	0.86	0.32	0.04	0.06	0.11	0.16	0.26	0.18	0.41	0.78
CRMS 0258	0.98	1.27	1.06	0.92	0.26	0.11	0.01	0.03	0.50	0.24	0.47	0.78
CRMS 0224	0.87	1.20	0.90	0.79	0.22	0.09	0.03	0.02	0.38	0.16	0.37	0.72
CRMS 0163	1.27	1.31	1.23	1.13	1.24	1.38	1.39	1.22	1.40	1.28	1.29	1.35
CRMS 0162	1.24	1.19	1.18	1.09	1.17	1.32	1.42	1.35	1.10	1.03	0.82	0.98

V3PR9 HYST - cy 5 - 2008 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.99	1.12	0.55	0.31	0.01	0.00	0.01	0.00	0.03	0.00	0.15	0.46
CRMS0276 - Just east of Wilkinson Canal	0.93	1.23	1.28	1.28	0.98	0.82	0.40	0.32	0.79	0.56	0.37	0.95
Barataria Waterway at Lafitte (USACE82875)	1.19	1.38	1.33	1.25	1.35	1.39	1.28	0.88	1.23	0.98	1.08	1.23
USGS2928590900040000 Barataria Waterway South of Lafitte	0.98	1.15	0.52	0.44	0.03	0.00	0.00	0.00	0.11	0.01	0.13	0.48
USGS7380251 Barataria Bay North of Grand Isle	1.00	1.12	0.75	0.27	0.02	0.03	0.10	0.04	0.10	0.04	0.25	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.82	1.07	0.72	0.45	0.06	0.05	0.08	0.10	0.18	0.09	0.07	0.50
USGS 07380335 - Little Lake Near Cutoff	0.78	1.07	0.90	0.67	0.24	0.19	0.23	0.26	0.35	0.26	0.05	0.54
USGS073802516 Barataria Pass at Grand Isle	0.78	1.02	0.69	0.42	0.08	0.04	0.07	0.12	0.15	0.09	0.09	0.47
HWQ14 - Lake Washington	0.88	1.05	0.61	0.24	0.02	0.04	0.10	0.08	0.08	0.03	0.14	0.43
HWQ16 - Bayou Grand Liard	0.70	0.98	0.94	0.90	0.62	0.50	0.49	0.26	0.41	0.31	0.11	0.51
CRMS 3985	1.05	1.14	0.95	0.29	0.04	0.07	0.25	0.18	0.27	0.18	0.43	0.79
CRMS 0258	0.97	1.24	0.92	0.86	0.22	0.07	0.01	0.01	0.43	0.16	0.17	0.66
CRMS 0224	0.87	1.16	0.79	0.71	0.17	0.05	0.02	0.02	0.32	0.12	0.06	0.61
CRMS 0163	1.23	1.31	1.24	1.15	1.26	1.38	1.30	1.07	1.25	1.06	1.23	1.21
CRMS 0162	1.19	1.15	1.17	1.09	1.16	1.31	1.41	1.24	0.83	0.77	0.85	1.01

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.02	-0.03	-0.06	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.01
CRMS0276 - Just east of Wilkinson Canal	-0.05	-0.05	-0.05	-0.02	-0.16	-0.15	-0.29	-0.09	-0.16	-0.27	-0.44	0.03
Barataria Waterway at Lafitte (USACE82875)	-0.04	0.02	0.03	0.06	0.05	-0.03	-0.12	-0.33	-0.20	-0.29	-0.10	-0.11
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	-0.03	-0.08	-0.07	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.08	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.02	0.03	-0.05	0.00	0.00	0.04	-0.01	0.00	0.00	-0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	-0.03	-0.08	-0.06	-0.02	-0.01	-0.04	-0.03	-0.02	-0.02	-0.23	-0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.09	-0.06	-0.04	-0.05	-0.11	-0.07	-0.06	-0.09	-0.35	-0.05
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.02	-0.06	-0.06	-0.04	-0.03	-0.06	-0.09	-0.03	-0.03	-0.18	-0.03
HWQ14 - Lake Washington	0.01	-0.02	-0.01	-0.04	-0.01	-0.01	0.01	0.00	-0.01	-0.01	-0.04	0.00
HWQ16 - Bayou Grand Liard	0.00	-0.04	-0.09	-0.07	-0.08	-0.11	-0.15	-0.17	-0.10	-0.12	-0.30	0.03
CRMS 3985	0.00	-0.01	0.08	-0.03	0.00	0.01	0.13	0.02	0.01	0.00	0.02	0.01
CRMS 0258	-0.01	-0.04	-0.14	-0.07	-0.04	-0.05	0.00	-0.01	-0.07	-0.08	-0.30	-0.12
CRMS 0224	0.00	-0.04	-0.12	-0.09	-0.04	-0.03	-0.01	0.00	-0.07	-0.04	-0.31	-0.11
CRMS 0163	-0.03	0.00	0.00	0.02	0.02	-0.01	-0.08	-0.15	-0.15	-0.22	-0.06	-0.14
CRMS 0162	-0.05	-0.05	-0.01	0.00	-0.01	-0.01	-0.01	-0.11	-0.27	-0.26	0.03	0.03

Figure WQ NO3 236 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.26	1.37	0.71	0.36	0.02	0.01	0.01	0.00	0.07	0.00	0.27	0.70
CRMS0276 - Just east of Wilkinson Canal	1.16	1.36	1.38	1.32	1.34	0.71	0.31	0.41	0.73	0.44	0.75	1.18
Barataria Waterway at Lafitte (USACE82875)	1.31	1.32	1.28	1.32	1.35	1.24	1.25	1.04	1.27	0.99	1.24	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	1.28	1.39	0.74	0.46	0.09	0.01	0.01	0.00	0.12	0.03	0.26	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.25	1.34	0.83	0.41	0.04	0.06	0.13	0.14	0.20	0.06	0.39	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.10	1.31	0.94	0.53	0.14	0.10	0.14	0.14	0.21	0.11	0.18	0.81
USGS 07380335 - Little Lake Near Cutoff	1.03	1.29	1.10	0.68	0.41	0.26	0.29	0.23	0.35	0.18	0.18	0.84
USGS073802516 Barataria Pass at Grand Isle	1.03	1.25	0.91	0.51	0.20	0.12	0.13	0.14	0.24	0.08	0.19	0.75
HWQ14 - Lake Washington	1.15	1.29	0.77	0.38	0.07	0.11	0.17	0.16	0.18	0.05	0.25	0.72
HWQ16 - Bayou Grand Liard	0.85	1.15	1.13	0.91	0.85	0.56	0.37	0.13	0.34	0.16	0.26	0.75
CRMS 3985	1.27	1.33	0.92	0.45	0.10	0.15	0.25	0.32	0.37	0.22	0.56	1.01
CRMS 0258	1.28	1.42	1.11	0.84	0.39	0.07	0.01	0.04	0.33	0.12	0.46	1.11
CRMS 0224	1.18	1.37	1.00	0.71	0.35	0.08	0.03	0.07	0.27	0.13	0.25	0.97
CRMS 0163	1.31	1.25	1.21	1.25	1.27	1.28	1.29	1.10	1.29	0.97	1.35	1.34
CRMS 0162	1.25	1.20	1.18	1.16	1.19	1.34	1.47	1.12	0.60	0.41	0.92	1.19

V3PR9 HYST - cy 5 - 1994 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.96	1.09	0.42	0.15	0.01	0.00	0.01	0.00	0.03	0.01	0.13	0.43
CRMS0276 - Just east of Wilkinson Canal	0.97	1.27	1.30	1.21	1.18	0.54	0.16	0.18	0.44	0.15	0.36	1.00
Barataria Waterway at Lafitte (USACE82875)	1.23	1.34	1.32	1.37	1.39	1.10	0.79	0.61	0.68	0.53	1.12	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	0.97	1.14	0.42	0.26	0.06	0.00	0.00	0.00	0.05	0.02	0.08	0.47
USGS7380251 Barataria Bay North of Grand Isle	0.95	1.06	0.58	0.16	0.01	0.03	0.10	0.06	0.11	0.03	0.26	0.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.83	1.08	0.62	0.29	0.06	0.05	0.06	0.06	0.09	0.03	0.03	0.48
USGS 07380335 - Little Lake Near Cutoff	0.80	1.09	0.82	0.47	0.26	0.15	0.16	0.05	0.14	0.03	0.01	0.52
USGS073802516 Barataria Pass at Grand Isle	0.78	1.03	0.61	0.28	0.06	0.03	0.04	0.05	0.10	0.02	0.04	0.44
HWQ14 - Lake Washington	0.85	1.02	0.50	0.15	0.02	0.04	0.09	0.06	0.09	0.02	0.13	0.44
HWQ16 - Bayou Grand Liard	0.73	1.03	0.97	0.77	0.67	0.41	0.23	0.07	0.11	0.04	0.11	0.50
CRMS 3985	0.98	1.07	0.72	0.19	0.03	0.07	0.28	0.27	0.29	0.15	0.46	0.74
CRMS 0258	0.99	1.26	0.85	0.66	0.28	0.04	0.01	0.02	0.19	0.13	0.07	0.91
CRMS 0224	0.89	1.18	0.70	0.51	0.22	0.05	0.01	0.02	0.13	0.04	0.02	0.67
CRMS 0163	1.25	1.25	1.22	1.26	1.29	1.24	1.05	0.92	0.54	0.53	1.27	1.32
CRMS 0162	1.21	1.19	1.19	1.14	1.16	1.18	1.28	0.90	0.28	0.35	0.89	1.08

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.30	-0.27	-0.29	-0.21	-0.01	0.00	0.00	0.00	-0.04	0.00	-0.14	-0.27
CRMS0276 - Just east of Wilkinson Canal	-0.19	-0.08	-0.08	-0.11	-0.16	-0.17	-0.15	-0.23	-0.29	-0.29	-0.39	-0.18
Barataria Waterway at Lafitte (USACE82875)	-0.09	0.03	0.04	0.04	0.05	-0.14	-0.47	-0.43	-0.59	-0.46	-0.12	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.31	-0.25	-0.32	-0.20	-0.03	0.00	0.00	0.00	-0.06	0.00	-0.19	-0.26
USGS7380251 Barataria Bay North of Grand Isle	-0.30	-0.27	-0.25	-0.25	-0.03	-0.03	-0.03	-0.08	-0.09	-0.03	-0.13	-0.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.27	-0.24	-0.32	-0.24	-0.08	-0.05	-0.08	-0.08	-0.12	-0.07	-0.15	-0.33
USGS 07380335 - Little Lake Near Cutoff	-0.23	-0.19	-0.28	-0.22	-0.16	-0.11	-0.14	-0.17	-0.21	-0.15	-0.17	-0.32
USGS073802516 Barataria Pass at Grand Isle	-0.25	-0.22	-0.29	-0.23	-0.14	-0.08	-0.09	-0.09	-0.14	-0.07	-0.15	-0.31
HWQ14 - Lake Washington	-0.30	-0.27	-0.27	-0.23	-0.06	-0.07	-0.08	-0.10	-0.09	-0.03	-0.12	-0.28
HWQ16 - Bayou Grand Liard	-0.12	-0.12	-0.15	-0.14	-0.18	-0.14	-0.14	-0.07	-0.23	-0.12	-0.15	-0.24
CRMS 3985	-0.30	-0.26	-0.21	-0.26	-0.08	-0.07	0.02	-0.05	-0.08	-0.07	-0.11	-0.27
CRMS 0258	-0.29	-0.16	-0.26	-0.18	-0.10	-0.04	0.00	-0.02	-0.14	0.01	-0.39	-0.20
CRMS 0224	-0.29	-0.19	-0.30	-0.21	-0.13	-0.04	-0.02	-0.05	-0.14	-0.10	-0.23	-0.30
CRMS 0163	-0.05	0.01	0.01	0.00	0.02	-0.04	-0.24	-0.18	-0.75	-0.45	-0.08	-0.02
CRMS 0162	-0.04	-0.02	0.00	-0.02	-0.03	-0.16	-0.19	-0.22	-0.33	-0.06	-0.04	-0.11

Figure WQ NO3 237 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.23	1.23	0.33	0.21	0.02	0.00	0.01	0.00	0.06	0.01	0.45	0.74
CRMS0276 - Just east of Wilkinson Canal	1.06	1.33	1.29	1.29	1.20	0.82	0.25	0.16	0.44	0.52	1.01	1.17
Barataria Waterway at Lafitte (USACE82875)	1.29	1.40	1.46	1.44	1.44	1.53	0.87	0.63	0.67	1.26	1.34	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.23	1.31	0.45	0.43	0.08	0.00	0.01	0.01	0.09	0.03	0.48	0.75
USGS7380251 Barataria Bay North of Grand Isle	1.22	1.09	0.31	0.17	0.03	0.05	0.14	0.10	0.15	0.09	0.55	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.04	1.22	0.66	0.38	0.10	0.10	0.12	0.08	0.16	0.10	0.43	0.91
USGS 07380335 - Little Lake Near Cutoff	0.95	1.22	0.86	0.60	0.31	0.27	0.24	0.03	0.19	0.10	0.48	0.94
USGS073802516 Barataria Pass at Grand Isle	0.98	1.17	0.65	0.37	0.16	0.16	0.14	0.05	0.17	0.06	0.39	0.86
HWQ14 - Lake Washington	1.13	1.13	0.36	0.13	0.04	0.08	0.16	0.13	0.15	0.04	0.39	0.83
HWQ16 - Bayou Grand Liard	0.76	1.07	0.92	0.84	0.69	0.53	0.22	0.06	0.13	0.08	0.47	0.79
CRMS 3985	1.22	0.97	0.36	0.22	0.07	0.16	0.34	0.31	0.31	0.29	0.71	1.08
CRMS 0258	1.20	1.39	0.93	0.89	0.41	0.17	0.01	0.02	0.19	0.16	0.89	1.06
CRMS 0224	1.10	1.32	0.81	0.71	0.31	0.15	0.02	0.04	0.20	0.19	0.63	0.98
CRMS 0163	1.32	1.35	1.40	1.35	1.41	1.45	0.94	0.79	0.58	1.26	1.37	1.36
CRMS 0162	1.20	1.20	1.13	1.06	1.06	1.07	1.07	0.66	0.24	0.64	1.05	1.18

V3PR9 HYST - cy 5 - 2006 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.98	1.08	0.44	0.24	0.01	0.00	0.01	0.00	0.02	0.01	0.23	0.57
CRMS0276 - Just east of Wilkinson Canal	0.89	1.20	1.16	1.18	0.97	0.59	0.14	0.03	0.16	0.09	0.72	1.03
Barataria Waterway at Lafitte (USACE82875)	1.16	1.34	1.42	1.40	1.38	1.41	0.40	0.22	0.35	0.61	1.26	1.37
USGS2928590900040000 Barataria Waterway South of Lafitte	0.97	1.11	0.41	0.38	0.04	0.00	0.00	0.01	0.04	0.01	0.20	0.59
USGS7380251 Barataria Bay North of Grand Isle	1.01	1.09	0.69	0.24	0.03	0.03	0.10	0.05	0.08	0.04	0.36	0.75
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.83	1.04	0.67	0.38	0.05	0.05	0.05	0.04	0.08	0.02	0.08	0.67
USGS 07380335 - Little Lake Near Cutoff	0.78	1.04	0.82	0.56	0.19	0.17	0.13	0.01	0.08	0.01	0.10	0.69
USGS073802516 Barataria Pass at Grand Isle	0.79	0.99	0.62	0.38	0.07	0.11	0.06	0.01	0.08	0.02	0.07	0.61
HWQ14 - Lake Washington	0.90	1.03	0.56	0.20	0.03	0.03	0.07	0.05	0.07	0.01	0.18	0.59
HWQ16 - Bayou Grand Liard	0.69	0.95	0.77	0.78	0.52	0.37	0.11	0.06	0.07	0.03	0.24	0.61
CRMS 3985	1.08	1.12	0.94	0.31	0.12	0.11	0.28	0.25	0.22	0.22	0.56	0.89
CRMS 0258	0.95	1.21	0.75	0.75	0.23	0.10	0.01	0.01	0.27	0.03	0.33	0.96
CRMS 0224	0.87	1.13	0.69	0.60	0.16	0.08	0.01	0.01	0.13	0.01	0.14	0.82
CRMS 0163	1.22	1.28	1.37	1.29	1.36	1.35	0.52	0.36	0.31	0.70	1.33	1.32
CRMS 0162	1.12	1.10	1.08	0.96	0.92	0.81	0.38	0.36	0.23	0.38	0.99	1.09

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.25	-0.14	0.11	0.02	-0.01	0.00	0.00	0.00	-0.03	0.00	-0.22	-0.17
CRMS0276 - Just east of Wilkinson Canal	-0.17	-0.13	-0.13	-0.11	-0.23	-0.23	-0.11	-0.13	-0.28	-0.43	-0.29	-0.14
Barataria Waterway at Lafitte (USACE82875)	-0.13	-0.06	-0.04	-0.04	-0.07	-0.12	-0.47	-0.41	-0.32	-0.65	-0.08	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.26	-0.20	-0.04	-0.06	-0.04	0.00	0.00	0.00	-0.05	-0.02	-0.28	-0.16
USGS7380251 Barataria Bay North of Grand Isle	-0.21	0.00	0.38	0.07	0.01	-0.02	-0.05	-0.05	-0.08	-0.04	-0.19	-0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.21	-0.18	0.01	-0.01	-0.05	-0.04	-0.07	-0.05	-0.08	-0.07	-0.35	-0.24
USGS 07380335 - Little Lake Near Cutoff	-0.17	-0.18	-0.04	-0.04	-0.13	-0.10	-0.12	-0.02	-0.11	-0.09	-0.39	-0.25
USGS073802516 Barataria Pass at Grand Isle	-0.19	-0.17	-0.03	0.01	-0.09	-0.05	-0.09	-0.04	-0.09	-0.04	-0.31	-0.26
HWQ14 - Lake Washington	-0.23	-0.11	0.20	0.07	-0.02	-0.05	-0.09	-0.09	-0.09	-0.03	-0.21	-0.24
HWQ16 - Bayou Grand Liard	-0.08	-0.12	-0.15	-0.05	-0.17	-0.16	-0.11	0.00	-0.06	-0.05	-0.23	-0.18
CRMS 3985	-0.14	0.15	0.58	0.09	0.04	-0.05	-0.06	-0.06	-0.08	-0.07	-0.15	-0.19
CRMS 0258	-0.25	-0.18	-0.17	-0.14	-0.18	-0.07	0.00	-0.01	0.07	-0.13	-0.56	-0.10
CRMS 0224	-0.23	-0.19	-0.12	-0.11	-0.15	-0.08	-0.02	-0.02	-0.07	-0.18	-0.50	-0.16
CRMS 0163	-0.10	-0.07	-0.03	-0.06	-0.06	-0.10	-0.42	-0.44	-0.27	-0.56	-0.04	-0.03
CRMS 0162	-0.09	-0.11	-0.05	-0.10	-0.15	-0.26	-0.69	-0.30	-0.01	-0.27	-0.06	-0.09

Figure WQ NO3 238 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.24	1.38	0.67	0.29	0.01	0.01	0.01	0.00	0.08	0.00	0.32	0.71
CRMS0276 - Just east of Wilkinson Canal	1.15	1.36	1.37	1.35	1.21	1.10	0.64	0.58	1.01	0.74	0.89	1.07
Barataria Waterway at Lafitte (USACE82875)	1.30	1.28	1.38	1.36	1.40	1.46	1.44	1.39	1.45	1.27	1.26	1.41
USGS2928590900040000 Barataria Waterway South of Lafitte	1.24	1.41	0.67	0.42	0.04	0.02	0.01	0.00	0.15	0.01	0.32	0.74
USGS7380251 Barataria Bay North of Grand Isle	1.23	1.35	0.81	0.34	0.04	0.07	0.19	0.15	0.24	0.09	0.44	0.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.08	1.33	0.86	0.51	0.10	0.12	0.18	0.19	0.30	0.13	0.40	0.80
USGS 07380335 - Little Lake Near Cutoff	1.03	1.31	0.97	0.69	0.32	0.37	0.38	0.41	0.51	0.34	0.48	0.82
USGS073802516 Barataria Pass at Grand Isle	1.03	1.28	0.84	0.48	0.15	0.16	0.20	0.29	0.31	0.14	0.37	0.74
HWQ14 - Lake Washington	1.14	1.31	0.74	0.33	0.06	0.11	0.20	0.20	0.21	0.07	0.32	0.70
HWQ16 - Bayou Grand Liard	0.89	1.18	1.08	0.91	0.72	0.71	0.60	0.50	0.55	0.37	0.45	0.68
CRMS 3985	1.26	1.34	0.90	0.41	0.10	0.17	0.34	0.33	0.40	0.26	0.59	1.02
CRMS 0258	1.22	1.43	1.02	0.87	0.33	0.28	0.02	0.04	0.57	0.13	0.62	0.96
CRMS 0224	1.15	1.39	0.91	0.71	0.26	0.25	0.07	0.07	0.46	0.13	0.50	0.91
CRMS 0163	1.28	1.21	1.30	1.26	1.36	1.42	1.42	1.38	1.43	1.29	1.34	1.37
CRMS 0162	1.25	1.20	1.21	1.14	1.15	1.34	1.44	1.36	1.06	0.90	0.87	1.07

V3PR9 HYST - cy 5 - 2010 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.92	1.10	0.39	0.11	0.00	0.00	0.01	0.00	0.04	0.00	0.14	0.43
CRMS0276 - Just east of Wilkinson Canal	0.89	1.29	1.25	1.22	1.02	0.91	0.36	0.37	0.75	0.40	0.39	0.74
Barataria Waterway at Lafitte (USACE82875)	1.17	1.31	1.40	1.39	1.38	1.45	1.29	1.03	1.17	0.90	1.14	1.25
USGS2928590900040000 Barataria Waterway South of Lafitte	0.90	1.15	0.38	0.23	0.03	0.00	0.01	0.00	0.07	0.03	0.11	0.45
USGS7380251 Barataria Bay North of Grand Isle	0.94	1.07	0.52	0.12	0.01	0.03	0.11	0.08	0.14	0.05	0.26	0.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.75	1.09	0.58	0.26	0.04	0.06	0.08	0.10	0.13	0.07	0.05	0.36
USGS 07380335 - Little Lake Near Cutoff	0.72	1.11	0.74	0.46	0.17	0.25	0.23	0.23	0.28	0.15	0.02	0.30
USGS073802516 Barataria Pass at Grand Isle	0.72	1.04	0.59	0.25	0.04	0.09	0.09	0.12	0.15	0.05	0.07	0.32
HWQ14 - Lake Washington	0.82	1.02	0.46	0.11	0.02	0.04	0.10	0.08	0.11	0.03	0.14	0.40
HWQ16 - Bayou Grand Liard	0.68	1.05	0.93	0.76	0.55	0.55	0.43	0.20	0.34	0.18	0.11	0.31
CRMS 3985	0.99	1.08	0.64	0.18	0.03	0.09	0.28	0.25	0.31	0.19	0.45	0.81
CRMS 0258	0.88	1.28	0.80	0.67	0.19	0.20	0.01	0.03	0.37	0.10	0.10	0.72
CRMS 0224	0.79	1.20	0.65	0.48	0.12	0.15	0.02	0.03	0.25	0.13	0.03	0.48
CRMS 0163	1.20	1.23	1.30	1.25	1.35	1.40	1.34	1.19	1.16	0.87	1.26	1.22
CRMS 0162	1.22	1.19	1.21	1.10	1.10	1.31	1.41	1.25	0.68	0.52	0.86	0.95

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.31	-0.28	-0.28	-0.18	0.00	0.00	-0.01	0.00	-0.04	0.00	-0.18	-0.28
CRMS0276 - Just east of Wilkinson Canal	-0.26	-0.07	-0.12	-0.13	-0.19	-0.19	-0.28	-0.21	-0.26	-0.35	-0.51	-0.33
Barataria Waterway at Lafitte (USACE82875)	-0.13	0.04	0.02	0.03	-0.02	-0.02	-0.15	-0.36	-0.27	-0.37	-0.12	-0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.34	-0.26	-0.28	-0.20	-0.01	-0.01	-0.01	0.00	-0.07	0.02	-0.21	-0.30
USGS7380251 Barataria Bay North of Grand Isle	-0.30	-0.28	-0.28	-0.21	-0.03	-0.04	-0.08	-0.08	-0.10	-0.05	-0.18	-0.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.33	-0.25	-0.28	-0.24	-0.06	-0.06	-0.09	-0.09	-0.17	-0.06	-0.35	-0.43
USGS 07380335 - Little Lake Near Cutoff	-0.31	-0.20	-0.23	-0.23	-0.14	-0.12	-0.15	-0.18	-0.23	-0.19	-0.46	-0.52
USGS073802516 Barataria Pass at Grand Isle	-0.31	-0.23	-0.25	-0.23	-0.11	-0.08	-0.11	-0.17	-0.16	-0.09	-0.30	-0.42
HWQ14 - Lake Washington	-0.31	-0.28	-0.28	-0.21	-0.05	-0.07	-0.10	-0.12	-0.10	-0.05	-0.18	-0.30
HWQ16 - Bayou Grand Liard	-0.21	-0.13	-0.15	-0.15	-0.17	-0.16	-0.17	-0.30	-0.21	-0.19	-0.34	-0.38
CRMS 3985	-0.28	-0.26	-0.27	-0.23	-0.07	-0.08	-0.06	-0.08	-0.09	-0.08	-0.14	-0.21
CRMS 0258	-0.34	-0.15	-0.22	-0.20	-0.14	-0.09	-0.01	-0.01	-0.20	-0.03	-0.52	-0.24
CRMS 0224	-0.35	-0.19	-0.26	-0.24	-0.14	-0.10	-0.06	-0.04	-0.22	0.00	-0.47	-0.43
CRMS 0163	-0.08	0.02	0.01	-0.02	-0.01	-0.01	-0.08	-0.18	-0.27	-0.42	-0.08	-0.15
CRMS 0162	-0.03	0.00	-0.01	-0.04	-0.05	-0.03	-0.03	-0.11	-0.38	-0.39	-0.01	-0.12

Figure WQ NO3 239 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.29	1.28	0.61	0.33	0.05	0.01	0.01	0.00	0.07	0.00	0.29	0.73
CRMS0276 - Just east of Wilkinson Canal	1.21	1.30	1.35	1.38	1.33	0.89	0.44	0.43	0.91	0.63	0.77	1.26
Barataria Waterway at Lafitte (USACE82875)	1.36	1.47	1.36	1.35	1.22	1.33	1.38	1.18	1.39	1.18	1.23	1.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.32	1.35	0.76	0.54	0.15	0.02	0.01	0.00	0.13	0.00	0.29	0.77
USGS7380251 Barataria Bay North of Grand Isle	1.24	1.16	0.50	0.21	0.02	0.05	0.15	0.14	0.21	0.08	0.39	0.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.15	1.26	0.87	0.53	0.19	0.12	0.15	0.15	0.27	0.11	0.24	0.84
USGS 07380335 - Little Lake Near Cutoff	1.09	1.22	1.05	0.77	0.51	0.36	0.32	0.35	0.46	0.29	0.25	0.90
USGS073802516 Barataria Pass at Grand Isle	1.09	1.20	0.77	0.52	0.26	0.17	0.14	0.22	0.27	0.12	0.23	0.79
HWQ14 - Lake Washington	1.18	1.20	0.53	0.21	0.05	0.11	0.18	0.17	0.19	0.07	0.26	0.72
HWQ16 - Bayou Grand Liard	0.91	1.04	0.95	0.98	0.91	0.74	0.57	0.41	0.50	0.32	0.28	0.80
CRMS 3985	1.22	1.06	0.43	0.18	0.05	0.13	0.30	0.31	0.37	0.24	0.54	1.01
CRMS 0258	1.33	1.39	1.17	0.98	0.73	0.20	0.01	0.03	0.50	0.10	0.56	1.16
CRMS 0224	1.23	1.33	1.04	0.83	0.57	0.20	0.05	0.05	0.40	0.10	0.37	1.01
CRMS 0163	1.35	1.42	1.28	1.28	1.14	1.30	1.38	1.16	1.40	1.21	1.33	1.26
CRMS 0162	1.24	1.12	1.18	1.17	1.10	1.28	1.44	1.34	0.96	0.73	0.87	1.21

V3PR9 HYST - cy 5 - 2011 (FWP)												
	monthly average NO3 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.73	0.99	0.45	0.30	0.02	0.00	0.01	0.00	0.02	0.00	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	0.97	1.24	1.25	1.28	1.23	0.75	0.27	0.31	0.66	0.36	0.29	1.11
Barataria Waterway at Lafitte (USACE82875)	1.25	1.38	1.35	1.38	1.27	1.26	1.10	0.91	1.02	0.74	1.10	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	0.78	1.06	0.45	0.44	0.10	0.01	0.00	0.00	0.05	0.03	0.05	0.26
USGS7380251 Barataria Bay North of Grand Isle	0.68	0.96	0.64	0.26	0.02	0.02	0.09	0.03	0.02	0.01	0.04	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.70	1.00	0.61	0.41	0.11	0.07	0.07	0.09	0.09	0.05	0.01	0.35
USGS 07380335 - Little Lake Near Cutoff	0.74	1.02	0.81	0.62	0.39	0.28	0.19	0.22	0.22	0.10	0.01	0.49
USGS073802516 Barataria Pass at Grand Isle	0.67	0.95	0.56	0.40	0.16	0.09	0.06	0.10	0.09	0.02	0.03	0.34
HWQ14 - Lake Washington	0.62	0.91	0.46	0.21	0.02	0.04	0.09	0.06	0.03	0.01	0.05	0.08
HWQ16 - Bayou Grand Liard	0.71	0.96	0.84	0.85	0.78	0.61	0.43	0.21	0.28	0.12	0.08	0.53
CRMS 3985	0.74	0.99	0.87	0.29	0.04	0.06	0.24	0.10	0.03	0.01	0.03	0.17
CRMS 0258	0.92	1.22	0.84	0.82	0.53	0.18	0.01	0.02	0.31	0.09	0.05	0.92
CRMS 0224	0.80	1.13	0.71	0.67	0.39	0.16	0.01	0.02	0.19	0.12	0.01	0.61
CRMS 0163	1.28	1.34	1.26	1.27	1.16	1.30	1.25	1.11	0.99	0.70	1.29	1.27
CRMS 0162	1.18	1.17	1.16	1.14	1.10	1.27	1.41	1.22	0.49	0.43	0.87	1.14

Difference (FWP-FWOP)												
	monthly average NO3 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.56	-0.29	-0.16	-0.02	-0.02	0.00	0.00	0.00	-0.05	0.00	-0.23	-0.62
CRMS0276 - Just east of Wilkinson Canal	-0.24	-0.06	-0.10	-0.10	-0.10	-0.14	-0.18	-0.12	-0.25	-0.27	-0.48	-0.15
Barataria Waterway at Lafitte (USACE82875)	-0.10	-0.09	-0.01	0.03	0.05	-0.07	-0.28	-0.27	-0.37	-0.44	-0.13	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.53	-0.29	-0.31	-0.09	-0.05	-0.01	0.00	0.00	-0.08	0.03	-0.24	-0.52
USGS7380251 Barataria Bay North of Grand Isle	-0.56	-0.20	0.14	0.05	-0.01	-0.02	-0.06	-0.11	-0.19	-0.07	-0.35	-0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.45	-0.26	-0.26	-0.12	-0.08	-0.05	-0.07	-0.07	-0.18	-0.06	-0.23	-0.50
USGS 07380335 - Little Lake Near Cutoff	-0.35	-0.20	-0.24	-0.15	-0.12	-0.09	-0.12	-0.13	-0.24	-0.18	-0.25	-0.41
USGS073802516 Barataria Pass at Grand Isle	-0.42	-0.25	-0.21	-0.11	-0.09	-0.08	-0.09	-0.12	-0.17	-0.10	-0.20	-0.44
HWQ14 - Lake Washington	-0.56	-0.28	-0.07	0.00	-0.02	-0.06	-0.09	-0.11	-0.16	-0.06	-0.21	-0.64
HWQ16 - Bayou Grand Liard	-0.20	-0.09	-0.10	-0.12	-0.13	-0.12	-0.14	-0.20	-0.22	-0.20	-0.20	-0.27
CRMS 3985	-0.48	-0.07	0.44	0.11	-0.01	-0.07	-0.06	-0.21	-0.35	-0.23	-0.51	-0.84
CRMS 0258	-0.41	-0.17	-0.33	-0.15	-0.20	-0.03	-0.01	-0.01	-0.19	-0.01	-0.51	-0.24
CRMS 0224	-0.43	-0.20	-0.33	-0.16	-0.18	-0.05	-0.03	-0.03	-0.21	0.02	-0.36	-0.39
CRMS 0163	-0.08	-0.08	-0.01	-0.01	0.02	0.00	-0.13	-0.05	-0.41	-0.51	-0.04	0.00
CRMS 0162	-0.05	0.05	-0.02	-0.03	0.00	0.00	-0.03	-0.12	-0.46	-0.29	0.00	-0.07

Figure WQ NO3 240 - Monthly Average NO3 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve

5.0 TOTAL PHOSPHORUS DATA TABLES

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.18	0.12	0.06	0.06	0.07	0.08	0.07	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.14	0.14	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.21	0.18	0.11	0.05	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.09	0.10	0.11	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.08	0.10	0.09	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.13	0.09	0.10	0.12	0.12	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.12	0.12	0.10	0.09	0.08	0.10	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.10	0.11	0.12	0.13	0.13	0.14	0.16	0.18
CRMS 0258	0.19	0.19	0.17	0.12	0.08	0.09	0.06	0.06	0.06	0.06	0.14	0.21
CRMS 0224	0.18	0.18	0.17	0.09	0.06	0.05	0.06	0.06	0.07	0.07	0.13	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.16	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

V3PR2 HYST - cy 0 - 1970 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.21	0.22	0.24	0.25	0.23	0.18	0.17	0.16	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.13	0.13	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.20	0.21	0.23	0.21	0.13	0.12	0.11	0.13	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.16	0.16	0.12	0.10	0.11	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.17	0.17	0.18	0.16	0.10	0.09	0.10	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.16	0.16	0.17	0.16	0.17	0.14	0.10	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.13	0.12	0.10	0.09	0.09	0.10	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.12	0.11	0.11	0.12	0.13	0.14	0.17	0.20
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.12	0.13	0.11	0.09	0.08	0.09	0.09	0.11	0.12
CRMS 3985	0.15	0.17	0.17	0.14	0.12	0.11	0.12	0.15	0.15	0.15	0.17	0.18
CRMS 0258	0.16	0.18	0.16	0.14	0.13	0.10	0.07	0.06	0.06	0.07	0.14	0.19
CRMS 0224	0.16	0.17	0.16	0.13	0.12	0.10	0.07	0.06	0.07	0.08	0.13	0.17
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.15	0.18	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.00	0.04	0.11	0.19	0.17	0.11	0.09	0.09	0.10	0.04	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	0.02	0.10	0.18	0.16	0.08	0.06	0.05	0.06	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.03	0.07	0.02	-0.01	-0.01	0.02	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.05	0.11	0.08	0.00	-0.01	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.04	0.08	0.06	0.00	-0.01	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.02	0.04	0.03	-0.01	-0.01	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.01	0.03	0.01	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.01	0.02	-0.01	0.01	0.03	0.02	0.02	0.02	0.01
CRMS 0258	-0.03	-0.02	-0.01	0.02	0.04	0.02	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	-0.02	-0.01	-0.01	0.04	0.06	0.04	0.01	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 1 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.06	0.06	0.07	0.08	0.08	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.16	0.16	0.11	0.08	0.08	0.10	0.09	0.11	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.17	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.12	0.10	0.10	0.12	0.14	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.11	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.16	0.11	0.09	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.15	0.17	0.16	0.13	0.12	0.12	0.14	0.15	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.09	0.08	0.07	0.06	0.06	0.06	0.14	0.19
CRMS 0224	0.17	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.20	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

V3PR2 HYST - cy 0 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.01
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.13	0.14	0.13	0.10	0.07	0.07	0.09	0.08	0.10	0.14
Barataria Waterway at Lafitte (USACE82875)	0.18	0.19	0.19	0.19	0.20	0.14	0.12	0.11	0.12	0.11	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.03	0.03	0.03	0.05	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.08	0.06	0.05	0.04	0.07	0.09	0.10	0.13	0.13	0.16	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.03	0.03	0.02	0.02	0.05	0.07	0.07	0.07	0.08	0.11	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.05	0.03	0.04	0.03	0.05	0.07	0.07	0.07	0.07	0.10	0.11
USGS073802516 Barataria Pass at Grand Isle	0.14	0.10	0.08	0.06	0.05	0.05	0.06	0.07	0.07	0.08	0.11	0.15
HWQ14 - Lake Washington	0.18	0.15	0.12	0.09	0.07	0.07	0.09	0.10	0.11	0.12	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.11	0.10	0.09	0.08	0.08	0.08	0.09	0.09	0.08	0.09	0.12
CRMS 3985	0.18	0.15	0.13	0.10	0.07	0.07	0.11	0.15	0.15	0.16	0.19	0.18
CRMS 0258	0.09	0.07	0.06	0.06	0.05	0.07	0.07	0.06	0.05	0.05	0.11	0.10
CRMS 0224	0.08	0.04	0.03	0.04	0.03	0.04	0.05	0.05	0.05	0.05	0.08	0.09
CRMS 0163	0.18	0.19	0.19	0.19	0.20	0.15	0.13	0.13	0.15	0.14	0.17	0.18
CRMS 0162	0.21	0.24	0.25	0.25	0.26	0.20	0.20	0.19	0.18	0.17	0.19	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.16	-0.18	-0.17	-0.11	-0.06	-0.05	-0.06	-0.07	-0.06	-0.06	-0.13	-0.19
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.02	-0.03	-0.02	-0.03	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.17	-0.19	-0.16	-0.09	-0.05	-0.03	-0.03	-0.03	-0.03	-0.03	-0.09	-0.18
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.10	-0.11	-0.08	-0.06	-0.04	-0.03	-0.04	-0.01	0.01	0.00	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.06	-0.14	-0.14	-0.09	-0.06	-0.03	-0.03	-0.04	-0.04	-0.02	-0.02	-0.08
USGS 07380335 - Little Lake Near Cutoff	-0.04	-0.11	-0.12	-0.08	-0.06	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02	-0.05
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.06	-0.08	-0.05	-0.03	-0.02	-0.03	-0.04	-0.04	-0.03	-0.02	-0.02
HWQ14 - Lake Washington	0.02	-0.03	-0.04	-0.03	-0.02	-0.03	-0.04	-0.05	-0.02	-0.01	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	-0.03	-0.05	-0.04	-0.05	-0.03	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
CRMS 3985	0.03	-0.01	-0.03	-0.03	-0.04	-0.05	-0.03	0.00	0.02	0.03	0.03	0.01
CRMS 0258	-0.08	-0.10	-0.10	-0.05	-0.04	-0.01	0.01	0.00	-0.01	0.00	-0.03	-0.09
CRMS 0224	-0.09	-0.13	-0.12	-0.05	-0.03	-0.01	0.00	-0.01	-0.02	-0.02	-0.04	-0.09
CRMS 0163	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Figure WQ TOTP 2 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.19	0.13	0.07	0.06	0.08	0.09	0.08	0.09	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.08	0.08	0.09	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.19	0.12	0.06	0.05	0.06	0.07	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.10	0.10	0.10	0.12	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.11	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.07	0.09	0.09	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.07	0.09	0.09	0.11	0.11	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.10	0.11	0.12	0.13	0.13	0.16	0.18
CRMS 0258	0.19	0.18	0.18	0.12	0.08	0.05	0.06	0.06	0.06	0.06	0.15	0.19
CRMS 0224	0.18	0.18	0.16	0.10	0.05	0.05	0.06	0.07	0.08	0.07	0.13	0.18
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.10	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

V3PR2 HYST - cy 0 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.21	0.18	0.17	0.16	0.16	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.07	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.19	0.18	0.16	0.18	0.10	0.12	0.11	0.10	0.12	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.18	0.14	0.12	0.09	0.11	0.12	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.13	0.14	0.08	0.09	0.09	0.10	0.11	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.17	0.16	0.12	0.13	0.07	0.09	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.12	0.10	0.07	0.09	0.09	0.11	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.11	0.10	0.12	0.13	0.14	0.13	0.16	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.12	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.11	0.13
CRMS 3985	0.15	0.17	0.17	0.14	0.11	0.10	0.13	0.16	0.15	0.15	0.17	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.10	0.06	0.06	0.06	0.06	0.06	0.15	0.18
CRMS 0224	0.16	0.16	0.15	0.10	0.09	0.06	0.06	0.06	0.07	0.07	0.13	0.17
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.10	0.11	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.18	0.19	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.01	0.01	0.07	0.14	0.12	0.09	0.07	0.08	0.09	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	0.00	0.04	0.13	0.05	0.06	0.04	0.04	0.06	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.01	0.02	-0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.01	0.06	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	-0.01	0.01	0.04	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	-0.01	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.04	0.02	0.01	0.01	0.00
CRMS 0258	-0.03	-0.01	-0.02	-0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.02	-0.02	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 3 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.17	0.11	0.06	0.06	0.07	0.07	0.06	0.07	0.16	0.21
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.13	0.12	0.09	0.09	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.14	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.11	0.11	0.12	0.13	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.16	0.11	0.08	0.08	0.10	0.09	0.09	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.15	0.11	0.08	0.08	0.10	0.10	0.10	0.09	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.11	0.12	0.11	0.12	0.12	0.16	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.12	0.11	0.11	0.10	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.17	0.16	0.14	0.12	0.12	0.12	0.13	0.13	0.14	0.17	0.18
CRMS 0258	0.19	0.17	0.16	0.11	0.09	0.09	0.09	0.09	0.06	0.06	0.14	0.20
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.19
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

V3PR2 HYST - cy 0 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.26	0.24	0.25	0.24	0.24	0.23	0.21	0.18	0.18	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.12	0.12	0.10	0.10	0.11	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.24	0.22	0.22	0.23	0.22	0.22	0.16	0.11	0.12	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.17	0.16	0.13	0.13	0.12	0.12	0.14	0.18	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.19	0.18	0.18	0.17	0.17	0.17	0.13	0.09	0.10	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.17	0.18	0.17	0.17	0.16	0.16	0.15	0.13	0.09	0.09	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.17	0.17	0.17	0.14	0.12	0.11	0.12	0.11	0.10	0.10	0.14	0.18
HWQ14 - Lake Washington	0.17	0.17	0.17	0.14	0.12	0.12	0.12	0.13	0.11	0.13	0.17	0.20
HWQ16 - Bayou Grand Liard	0.12	0.15	0.15	0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.10	0.12
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.11	0.12	0.13	0.14	0.16	0.18	0.19
CRMS 0258	0.16	0.16	0.16	0.15	0.12	0.12	0.12	0.10	0.07	0.06	0.14	0.20
CRMS 0224	0.16	0.16	0.16	0.14	0.11	0.11	0.11	0.09	0.06	0.07	0.13	0.18
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.07	0.14	0.18	0.18	0.16	0.14	0.12	0.10	0.03	-0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.05	0.05	0.13	0.17	0.17	0.17	0.11	0.06	0.07	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.04	0.06	0.03	0.02	0.01	0.00	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.02	0.02	0.07	0.09	0.09	0.06	0.04	-0.01	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.02	0.05	0.07	0.08	0.05	0.03	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.03	0.04	0.03	0.01	0.02	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.02	0.02	0.01	0.00	0.01	-0.01	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.01	0.01	0.01	0.01	-0.01	0.00	0.01	0.01	0.02	0.02	0.01
CRMS 0258	-0.02	-0.01	0.00	0.03	0.03	0.03	0.03	0.02	0.00	0.01	0.00	0.00
CRMS 0224	-0.02	-0.01	0.01	0.05	0.05	0.06	0.05	0.03	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 4 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.20	0.18	0.11	0.06	0.06	0.07	0.07	0.07	0.08	0.15	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.15	0.16	0.15	0.09	0.09	0.11	0.10	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.19	0.20	0.19	0.16	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.20	0.18	0.10	0.06	0.05	0.05	0.06	0.05	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.12	0.09	0.10	0.11	0.13	0.14	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.11	0.08	0.07	0.09	0.10	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.17	0.11	0.08	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.09	0.10	0.12	0.13	0.14	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.13	0.13	0.13	0.11	0.11	0.10	0.09	0.09	0.13
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.11	0.14	0.16	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.19	0.17	0.12	0.09	0.09	0.09	0.08	0.05	0.06	0.14	0.18
CRMS 0224	0.17	0.17	0.17	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.16	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

V3PR2 HYST - cy 0 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.25	0.25	0.28	0.26	0.23	0.19	0.17	0.17	0.19	0.24
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.15	0.15	0.15	0.14	0.10	0.09	0.11	0.09	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.18	0.20	0.19	0.15	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.23	0.23	0.26	0.25	0.22	0.13	0.11	0.12	0.17	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.18	0.17	0.18	0.15	0.13	0.11	0.13	0.14	0.18	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.19	0.18	0.20	0.20	0.17	0.10	0.09	0.10	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.18	0.17	0.18	0.18	0.15	0.11	0.09	0.10	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.17	0.14	0.13	0.12	0.12	0.10	0.10	0.10	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.12	0.12	0.12	0.12	0.12	0.13	0.17	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.15	0.14	0.14	0.14	0.12	0.11	0.10	0.09	0.10	0.14
CRMS 3985	0.16	0.17	0.17	0.14	0.12	0.12	0.12	0.14	0.15	0.16	0.18	0.18
CRMS 0258	0.15	0.18	0.17	0.15	0.14	0.14	0.12	0.09	0.06	0.06	0.14	0.18
CRMS 0224	0.15	0.17	0.17	0.14	0.13	0.13	0.12	0.07	0.06	0.07	0.13	0.17
CRMS 0163	0.16	0.17	0.18	0.18	0.20	0.19	0.15	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.02	0.07	0.14	0.22	0.21	0.17	0.12	0.10	0.09	0.03	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	-0.01	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.02	0.04	0.13	0.20	0.19	0.17	0.07	0.06	0.06	0.03	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.04	0.09	0.05	0.02	-0.02	-0.01	0.02	0.02	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.02	0.07	0.12	0.12	0.08	0.00	-0.02	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.01	0.01	0.05	0.09	0.10	0.06	0.01	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.02	0.04	0.04	0.03	0.00	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.01	0.03	0.02	0.00	-0.01	-0.02	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.01	0.00	0.00	0.01	0.02	0.00	-0.02	-0.02	0.00	0.03	0.02	0.01
CRMS 0258	-0.03	0.00	0.00	0.03	0.05	0.04	0.03	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	0.00	0.00	0.05	0.07	0.07	0.06	0.01	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 5 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.18	0.12	0.06	0.06	0.07	0.08	0.07	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.14	0.14	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.21	0.18	0.11	0.05	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.09	0.10	0.11	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.08	0.10	0.09	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.13	0.09	0.10	0.12	0.12	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.12	0.12	0.10	0.09	0.08	0.10	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.10	0.11	0.12	0.13	0.13	0.14	0.16	0.18
CRMS 0258	0.19	0.19	0.17	0.12	0.08	0.09	0.06	0.06	0.06	0.06	0.14	0.21
CRMS 0224	0.18	0.18	0.17	0.09	0.06	0.05	0.06	0.06	0.07	0.07	0.13	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.16	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

V3PR3 HYST - cy 0 - 1970 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.21	0.22	0.24	0.25	0.23	0.18	0.17	0.16	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.13	0.13	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.20	0.21	0.23	0.20	0.13	0.11	0.10	0.12	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.16	0.17	0.12	0.10	0.11	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.17	0.17	0.18	0.16	0.10	0.09	0.10	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.16	0.16	0.17	0.16	0.17	0.14	0.10	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.13	0.12	0.10	0.09	0.09	0.11	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.12	0.11	0.11	0.12	0.13	0.13	0.16	0.20
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.12	0.13	0.11	0.09	0.08	0.09	0.09	0.11	0.12
CRMS 3985	0.15	0.17	0.17	0.14	0.12	0.11	0.12	0.15	0.15	0.15	0.17	0.18
CRMS 0258	0.16	0.18	0.16	0.14	0.13	0.10	0.07	0.07	0.06	0.07	0.14	0.19
CRMS 0224	0.16	0.17	0.16	0.13	0.12	0.10	0.07	0.06	0.07	0.08	0.13	0.17
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.13	0.15	0.18	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.00	0.04	0.11	0.19	0.17	0.11	0.09	0.09	0.10	0.04	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	0.01	0.10	0.17	0.16	0.07	0.05	0.04	0.05	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.03	0.07	0.02	-0.01	-0.01	0.02	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.05	0.11	0.08	0.00	-0.01	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.04	0.08	0.06	0.00	-0.01	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.02	0.04	0.03	-0.01	-0.01	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.01	0.03	0.01	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.02	-0.01	0.01	0.03	0.02	0.01	0.02	0.00
CRMS 0258	-0.03	-0.02	-0.01	0.02	0.04	0.02	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	-0.02	-0.01	-0.01	0.03	0.06	0.04	0.01	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 6 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.06	0.06	0.07	0.08	0.08	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.16	0.16	0.11	0.08	0.08	0.10	0.09	0.11	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.17	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.12	0.10	0.10	0.12	0.14	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.11	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.16	0.11	0.09	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.15	0.17	0.16	0.13	0.12	0.12	0.14	0.15	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.09	0.08	0.07	0.06	0.06	0.06	0.14	0.19
CRMS 0224	0.17	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.20	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

V3PR3 HYST - cy 0 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.20	0.19	0.18	0.17	0.17	0.19	0.21
CRMS0276 - Just east of Wilkinson Canal	0.12	0.16	0.15	0.15	0.15	0.11	0.08	0.08	0.10	0.09	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.22	0.23	0.23	0.24	0.14	0.12	0.11	0.10	0.11	0.17	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.18	0.17	0.17	0.10	0.10	0.12	0.14	0.15	0.18	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.19	0.19	0.19	0.19	0.11	0.09	0.09	0.10	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.15	0.18	0.18	0.17	0.18	0.11	0.09	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.17	0.14	0.13	0.09	0.09	0.09	0.11	0.11	0.14	0.18
HWQ14 - Lake Washington	0.15	0.17	0.16	0.14	0.12	0.11	0.11	0.13	0.13	0.14	0.17	0.20
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.14	0.14	0.11	0.09	0.09	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.17	0.16	0.14	0.13	0.11	0.13	0.16	0.15	0.16	0.18	0.18
CRMS 0258	0.15	0.16	0.16	0.15	0.13	0.08	0.07	0.06	0.06	0.06	0.14	0.18
CRMS 0224	0.15	0.16	0.16	0.15	0.13	0.07	0.06	0.07	0.07	0.07	0.13	0.17
CRMS 0163	0.17	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.20	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.06	0.09	0.15	0.20	0.14	0.12	0.10	0.09	0.09	0.03	0.02
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.03	0.07	0.14	0.18	0.08	0.07	0.06	0.05	0.05	0.03	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.05	0.08	0.00	-0.02	-0.02	0.01	0.02	0.02	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.03	0.08	0.11	0.03	-0.01	-0.02	-0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.03	0.06	0.09	0.03	0.00	-0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.03	0.04	0.02	-0.01	-0.01	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.01	0.03	0.00	-0.01	-0.02	0.00	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.01	0.02	0.02	0.02	0.01
CRMS 0258	-0.03	-0.01	0.00	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.02	-0.01	0.01	0.06	0.07	0.02	0.01	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 7 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.19	0.13	0.07	0.06	0.08	0.09	0.08	0.09	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.08	0.08	0.09	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.19	0.12	0.06	0.05	0.06	0.07	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.10	0.10	0.10	0.12	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.11	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.07	0.09	0.09	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.07	0.09	0.09	0.11	0.11	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.10	0.11	0.12	0.13	0.13	0.16	0.18
CRMS 0258	0.19	0.18	0.18	0.12	0.08	0.05	0.06	0.06	0.06	0.06	0.15	0.19
CRMS 0224	0.18	0.18	0.16	0.10	0.05	0.05	0.06	0.07	0.08	0.07	0.13	0.18
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.10	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

V3PR3 HYST - cy 0 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.21	0.18	0.17	0.16	0.16	0.17	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.07	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.19	0.18	0.15	0.18	0.09	0.11	0.10	0.10	0.11	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.18	0.14	0.12	0.09	0.10	0.12	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.13	0.14	0.08	0.09	0.09	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.17	0.16	0.12	0.13	0.08	0.09	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.12	0.10	0.07	0.09	0.09	0.11	0.10	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.11	0.10	0.12	0.13	0.14	0.13	0.16	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.13
CRMS 3985	0.15	0.17	0.17	0.14	0.11	0.10	0.13	0.16	0.14	0.15	0.17	0.18
CRMS 0258	0.17	0.17	0.17	0.11	0.10	0.06	0.06	0.06	0.06	0.06	0.15	0.18
CRMS 0224	0.16	0.16	0.15	0.10	0.09	0.06	0.06	0.06	0.07	0.07	0.13	0.17
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.10	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.01	0.01	0.07	0.14	0.12	0.09	0.07	0.08	0.09	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.02	0.00	0.03	0.12	0.05	0.05	0.04	0.04	0.05	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.01	0.02	-0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.01	0.06	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	-0.01	0.01	0.04	0.00	-0.01	0.00	0.00	0.00	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	-0.01	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.04	0.02	0.01	0.01	0.00
CRMS 0258	-0.02	-0.01	-0.01	-0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.02	-0.02	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 8 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.17	0.11	0.06	0.06	0.07	0.07	0.06	0.07	0.16	0.21
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.13	0.12	0.09	0.09	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.14	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.11	0.11	0.12	0.13	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.16	0.11	0.08	0.08	0.10	0.09	0.09	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.15	0.11	0.08	0.08	0.10	0.10	0.10	0.09	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.11	0.12	0.11	0.12	0.12	0.16	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.12	0.11	0.11	0.10	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.17	0.16	0.14	0.12	0.12	0.12	0.13	0.13	0.14	0.17	0.18
CRMS 0258	0.19	0.17	0.16	0.11	0.09	0.09	0.09	0.09	0.06	0.06	0.14	0.20
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.19
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

V3PR3 HYST - cy 0 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.26	0.24	0.25	0.24	0.24	0.23	0.21	0.18	0.18	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.12	0.12	0.10	0.10	0.11	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.23	0.22	0.22	0.22	0.22	0.21	0.16	0.10	0.11	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.17	0.16	0.14	0.13	0.12	0.12	0.14	0.18	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.19	0.18	0.18	0.17	0.17	0.17	0.13	0.09	0.10	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.17	0.18	0.17	0.17	0.15	0.16	0.15	0.13	0.09	0.09	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.17	0.17	0.17	0.14	0.12	0.11	0.12	0.11	0.10	0.10	0.14	0.18
HWQ14 - Lake Washington	0.17	0.17	0.17	0.14	0.12	0.12	0.12	0.13	0.11	0.13	0.17	0.20
HWQ16 - Bayou Grand Liard	0.12	0.15	0.15	0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.10	0.12
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.11	0.12	0.13	0.14	0.16	0.18	0.19
CRMS 0258	0.16	0.16	0.16	0.14	0.12	0.11	0.12	0.10	0.07	0.06	0.14	0.20
CRMS 0224	0.16	0.16	0.16	0.14	0.11	0.11	0.11	0.09	0.06	0.07	0.13	0.18
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.07	0.14	0.18	0.18	0.16	0.14	0.12	0.10	0.03	-0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.04	0.05	0.13	0.16	0.17	0.16	0.11	0.05	0.06	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.04	0.06	0.03	0.02	0.02	0.00	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.02	0.02	0.07	0.09	0.09	0.07	0.04	-0.01	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.02	0.05	0.07	0.08	0.05	0.03	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.03	0.04	0.03	0.01	0.02	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.02	0.02	0.00	0.00	0.01	-0.01	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.01	0.01	0.01	0.01	-0.01	0.00	0.01	0.01	0.02	0.02	0.01
CRMS 0258	-0.02	-0.01	0.00	0.03	0.03	0.03	0.03	0.01	0.00	0.01	0.00	0.00
CRMS 0224	-0.02	-0.01	0.01	0.05	0.05	0.06	0.05	0.03	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 9 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.20	0.18	0.11	0.06	0.06	0.07	0.07	0.07	0.08	0.15	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.15	0.16	0.15	0.09	0.09	0.11	0.10	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.19	0.20	0.19	0.16	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.20	0.18	0.10	0.06	0.05	0.05	0.06	0.05	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.12	0.09	0.10	0.11	0.13	0.14	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.11	0.08	0.07	0.09	0.10	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.17	0.11	0.08	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.09	0.10	0.12	0.13	0.14	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.13	0.13	0.13	0.11	0.11	0.10	0.09	0.09	0.13
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.11	0.14	0.16	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.19	0.17	0.12	0.09	0.09	0.09	0.08	0.05	0.06	0.14	0.18
CRMS 0224	0.17	0.17	0.17	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.16	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

V3PR3 HYST - cy 0 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.25	0.25	0.28	0.26	0.23	0.19	0.18	0.17	0.19	0.24
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.15	0.15	0.15	0.14	0.10	0.09	0.11	0.09	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.18	0.20	0.19	0.15	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.22	0.22	0.25	0.24	0.22	0.12	0.10	0.11	0.17	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.18	0.17	0.18	0.15	0.13	0.11	0.13	0.14	0.18	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.19	0.18	0.20	0.20	0.17	0.10	0.09	0.10	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.18	0.17	0.18	0.18	0.15	0.11	0.09	0.10	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.17	0.14	0.13	0.12	0.12	0.10	0.10	0.10	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.12	0.12	0.12	0.12	0.12	0.13	0.17	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.15	0.14	0.14	0.14	0.12	0.10	0.10	0.09	0.10	0.14
CRMS 3985	0.16	0.17	0.17	0.14	0.12	0.12	0.12	0.14	0.15	0.16	0.18	0.18
CRMS 0258	0.15	0.18	0.17	0.15	0.14	0.13	0.12	0.09	0.06	0.06	0.14	0.18
CRMS 0224	0.15	0.17	0.17	0.14	0.13	0.13	0.12	0.07	0.06	0.07	0.13	0.17
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.15	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.02	0.07	0.14	0.22	0.21	0.17	0.12	0.10	0.10	0.03	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	-0.01	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.02	0.04	0.13	0.19	0.19	0.16	0.07	0.05	0.05	0.03	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.05	0.09	0.05	0.02	-0.02	-0.01	0.02	0.02	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.02	0.07	0.12	0.12	0.08	0.00	-0.02	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.02	0.05	0.09	0.10	0.06	0.01	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.02	0.04	0.04	0.03	0.00	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.01	0.03	0.02	0.00	-0.01	-0.02	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.01	0.00	0.00	0.01	0.02	0.00	-0.02	-0.02	0.00	0.03	0.02	0.01
CRMS 0258	-0.03	0.00	0.00	0.03	0.05	0.04	0.03	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	0.00	0.00	0.05	0.07	0.07	0.06	0.01	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 10 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.18	0.12	0.06	0.06	0.07	0.08	0.07	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.14	0.14	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.21	0.18	0.11	0.05	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.09	0.10	0.11	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.08	0.10	0.09	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.13	0.09	0.10	0.12	0.12	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.12	0.12	0.10	0.09	0.08	0.10	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.10	0.11	0.12	0.13	0.13	0.14	0.16	0.18
CRMS 0258	0.19	0.19	0.17	0.12	0.08	0.09	0.06	0.06	0.06	0.06	0.14	0.21
CRMS 0224	0.18	0.18	0.17	0.09	0.06	0.05	0.06	0.06	0.07	0.07	0.13	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.16	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

V3PR4 HYST - cy 0 - 1970 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.21	0.22	0.24	0.26	0.23	0.18	0.17	0.16	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.15	0.13	0.13	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.21	0.22	0.24	0.22	0.13	0.12	0.11	0.13	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.17	0.18	0.13	0.10	0.11	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.18	0.18	0.20	0.17	0.10	0.09	0.10	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.16	0.16	0.17	0.17	0.19	0.16	0.10	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.14	0.14	0.11	0.09	0.09	0.10	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.14	0.13	0.11	0.11	0.12	0.13	0.14	0.17	0.20
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.13	0.14	0.12	0.09	0.08	0.09	0.09	0.11	0.12
CRMS 3985	0.15	0.17	0.17	0.14	0.13	0.11	0.12	0.15	0.15	0.15	0.17	0.18
CRMS 0258	0.16	0.17	0.16	0.15	0.15	0.11	0.07	0.07	0.06	0.07	0.14	0.19
CRMS 0224	0.16	0.17	0.16	0.14	0.15	0.11	0.07	0.06	0.07	0.08	0.13	0.17
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.13	0.15	0.18	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.00	0.04	0.12	0.19	0.17	0.11	0.09	0.09	0.10	0.04	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.01	0.02	0.11	0.19	0.17	0.08	0.06	0.05	0.06	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.04	0.09	0.03	-0.01	-0.01	0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.01	0.06	0.13	0.09	0.00	-0.01	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.05	0.10	0.08	0.00	-0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.02	0.05	0.03	-0.01	-0.01	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.01	0.03	0.01	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.02	0.02	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	-0.01	0.03	0.07	0.03	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.02	-0.01	0.05	0.09	0.06	0.01	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 11 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.06	0.06	0.07	0.08	0.08	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.16	0.16	0.11	0.08	0.08	0.10	0.09	0.11	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.17	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.12	0.10	0.10	0.12	0.14	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.11	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.16	0.11	0.09	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.15	0.17	0.16	0.13	0.12	0.12	0.14	0.15	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.09	0.08	0.07	0.06	0.06	0.06	0.14	0.19
CRMS 0224	0.17	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.20	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

V3PR4 HYST - cy 0 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.20	0.19	0.18	0.17	0.17	0.19	0.22
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.15	0.15	0.11	0.08	0.08	0.10	0.09	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.24	0.25	0.25	0.26	0.15	0.13	0.12	0.11	0.12	0.17	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.19	0.19	0.19	0.10	0.10	0.12	0.14	0.15	0.18	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.20	0.21	0.21	0.21	0.11	0.09	0.09	0.10	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.15	0.19	0.20	0.19	0.20	0.11	0.08	0.09	0.10	0.10	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.17	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.17	0.17	0.14	0.13	0.10	0.11	0.13	0.13	0.14	0.17	0.20
HWQ16 - Bayou Grand Liard	0.11	0.15	0.16	0.15	0.15	0.11	0.09	0.09	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.17	0.16	0.14	0.14	0.10	0.12	0.15	0.15	0.16	0.18	0.18
CRMS 0258	0.15	0.17	0.17	0.16	0.16	0.09	0.07	0.07	0.06	0.06	0.15	0.18
CRMS 0224	0.15	0.17	0.17	0.16	0.16	0.08	0.06	0.07	0.07	0.07	0.13	0.18
CRMS 0163	0.17	0.18	0.18	0.18	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.19	0.22	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.06	0.10	0.16	0.21	0.14	0.12	0.10	0.09	0.09	0.03	0.02
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.05	0.08	0.15	0.20	0.10	0.08	0.06	0.06	0.06	0.03	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.02	0.06	0.10	0.00	-0.02	-0.02	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.03	0.05	0.09	0.13	0.04	-0.01	-0.02	-0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.02	0.04	0.08	0.11	0.04	-0.01	-0.01	-0.01	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.04	0.05	0.02	-0.01	-0.01	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.02	0.03	0.00	-0.02	-0.02	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.02	-0.01	-0.02	0.01	0.02	0.02	0.02	0.01
CRMS 0258	-0.03	0.00	0.01	0.05	0.07	0.01	0.01	0.01	0.00	0.01	0.00	0.00
CRMS 0224	-0.02	0.00	0.02	0.07	0.10	0.02	0.01	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 12 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.19	0.13	0.07	0.06	0.08	0.09	0.08	0.09	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.08	0.08	0.09	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.19	0.12	0.06	0.05	0.06	0.07	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.10	0.10	0.10	0.12	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.11	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.07	0.09	0.09	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.07	0.09	0.09	0.11	0.11	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.10	0.11	0.12	0.13	0.13	0.16	0.18
CRMS 0258	0.19	0.18	0.18	0.12	0.08	0.05	0.06	0.06	0.06	0.06	0.15	0.19
CRMS 0224	0.18	0.18	0.16	0.10	0.05	0.05	0.06	0.07	0.08	0.07	0.13	0.18
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.10	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

V3PR4 HYST - cy 0 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.21	0.18	0.17	0.16	0.16	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.07	0.08	0.09	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.19	0.19	0.16	0.19	0.10	0.12	0.11	0.10	0.12	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.18	0.14	0.13	0.09	0.10	0.12	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.13	0.15	0.08	0.09	0.09	0.10	0.11	0.15	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.17	0.16	0.13	0.14	0.08	0.09	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.12	0.10	0.07	0.09	0.09	0.11	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.11	0.10	0.12	0.13	0.14	0.13	0.16	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.11	0.13
CRMS 3985	0.15	0.17	0.17	0.14	0.11	0.11	0.13	0.16	0.15	0.15	0.17	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.11	0.06	0.06	0.06	0.06	0.06	0.15	0.18
CRMS 0224	0.16	0.16	0.15	0.10	0.09	0.06	0.06	0.06	0.07	0.07	0.13	0.17
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.11	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.18	0.19	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.01	0.01	0.07	0.14	0.12	0.09	0.07	0.08	0.09	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	0.00	0.04	0.13	0.05	0.06	0.04	0.04	0.06	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.01	0.03	-0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.01	0.07	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.00	0.01	0.05	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	-0.01	0.01	0.02	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.00	0.00	0.00	0.03	0.04	0.02	0.02	0.01	0.00
CRMS 0258	-0.03	-0.02	-0.02	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.02	-0.02	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 13 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.17	0.11	0.06	0.06	0.07	0.07	0.06	0.07	0.16	0.21
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.13	0.12	0.09	0.09	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.14	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.11	0.11	0.12	0.13	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.16	0.11	0.08	0.08	0.10	0.09	0.09	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.15	0.11	0.08	0.08	0.10	0.10	0.10	0.09	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.11	0.12	0.11	0.12	0.12	0.16	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.12	0.11	0.11	0.10	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.17	0.16	0.14	0.12	0.12	0.12	0.13	0.13	0.14	0.17	0.18
CRMS 0258	0.19	0.17	0.16	0.11	0.09	0.09	0.09	0.09	0.06	0.06	0.14	0.20
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.19
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

V3PR4 HYST - cy 0 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.18	0.18	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.12	0.12	0.11	0.10	0.11	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.23	0.23	0.23	0.23	0.22	0.17	0.11	0.12	0.18	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.18	0.17	0.15	0.14	0.13	0.12	0.14	0.19	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.21	0.19	0.20	0.19	0.19	0.18	0.14	0.09	0.10	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.17	0.19	0.18	0.18	0.17	0.17	0.17	0.14	0.09	0.09	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.17	0.17	0.17	0.15	0.13	0.12	0.12	0.12	0.09	0.10	0.14	0.18
HWQ14 - Lake Washington	0.17	0.17	0.17	0.14	0.12	0.12	0.12	0.12	0.11	0.12	0.17	0.20
HWQ16 - Bayou Grand Liard	0.13	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.10	0.09	0.10	0.12
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.12	0.12	0.13	0.14	0.16	0.19	0.19
CRMS 0258	0.17	0.17	0.17	0.16	0.14	0.13	0.14	0.11	0.07	0.06	0.14	0.20
CRMS 0224	0.17	0.17	0.17	0.16	0.13	0.13	0.13	0.10	0.06	0.07	0.13	0.18
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.23	0.21	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.07	0.14	0.18	0.18	0.17	0.14	0.12	0.10	0.03	-0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.06	0.06	0.14	0.18	0.18	0.17	0.11	0.06	0.07	0.04	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.01	0.01	0.05	0.08	0.05	0.03	0.02	-0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.03	0.03	0.08	0.11	0.11	0.08	0.05	-0.01	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.02	0.03	0.03	0.07	0.09	0.09	0.07	0.04	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.04	0.04	0.04	0.02	0.02	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.02	0.02	0.01	0.00	0.01	-0.01	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.02	0.01
CRMS 0258	-0.02	0.00	0.01	0.05	0.05	0.05	0.05	0.02	0.00	0.01	0.01	0.00
CRMS 0224	-0.01	0.00	0.02	0.07	0.07	0.08	0.07	0.04	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 14 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.20	0.18	0.11	0.06	0.06	0.07	0.07	0.07	0.08	0.15	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.15	0.16	0.15	0.09	0.09	0.11	0.10	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.19	0.20	0.19	0.16	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.20	0.18	0.10	0.06	0.05	0.05	0.06	0.05	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.12	0.09	0.10	0.11	0.13	0.14	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.11	0.08	0.07	0.09	0.10	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.17	0.11	0.08	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.09	0.10	0.12	0.13	0.14	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.13	0.13	0.13	0.11	0.11	0.10	0.09	0.09	0.13
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.11	0.14	0.16	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.19	0.17	0.12	0.09	0.09	0.09	0.08	0.05	0.06	0.14	0.18
CRMS 0224	0.17	0.17	0.17	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.16	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

V3PR4 HYST - cy 0 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.25	0.25	0.28	0.27	0.24	0.19	0.17	0.17	0.19	0.25
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.15	0.15	0.15	0.14	0.11	0.09	0.11	0.10	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.18	0.20	0.19	0.15	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.23	0.24	0.27	0.25	0.22	0.13	0.11	0.12	0.17	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.19	0.18	0.20	0.18	0.14	0.11	0.13	0.14	0.18	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.20	0.20	0.22	0.21	0.18	0.10	0.09	0.10	0.15	0.20
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.19	0.18	0.20	0.20	0.17	0.11	0.09	0.10	0.13	0.19
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.18	0.15	0.14	0.13	0.13	0.10	0.09	0.10	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.14	0.13	0.12	0.12	0.12	0.11	0.13	0.17	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.15	0.15	0.15	0.15	0.12	0.11	0.10	0.09	0.10	0.15
CRMS 3985	0.16	0.17	0.17	0.14	0.14	0.13	0.12	0.14	0.14	0.16	0.18	0.18
CRMS 0258	0.15	0.19	0.17	0.16	0.16	0.16	0.14	0.09	0.06	0.06	0.14	0.18
CRMS 0224	0.15	0.17	0.17	0.16	0.16	0.16	0.13	0.07	0.06	0.07	0.13	0.18
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.15	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.02	0.07	0.14	0.22	0.21	0.17	0.12	0.10	0.10	0.03	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.02	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	0.05	0.14	0.21	0.20	0.17	0.08	0.06	0.06	0.03	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.06	0.11	0.08	0.03	-0.02	-0.02	0.02	0.02	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.03	0.09	0.14	0.14	0.09	0.00	-0.02	0.00	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.02	0.07	0.12	0.12	0.08	0.01	-0.01	0.00	0.01	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.03	0.06	0.05	0.03	0.00	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.02	0.04	0.02	0.00	-0.02	-0.03	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.02
CRMS 3985	0.01	0.00	0.00	0.01	0.03	0.02	-0.02	-0.02	0.00	0.03	0.02	0.01
CRMS 0258	-0.02	0.00	0.00	0.04	0.07	0.07	0.05	0.01	0.00	0.01	0.00	0.00
CRMS 0224	-0.02	0.00	0.01	0.07	0.10	0.10	0.08	0.01	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 15 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.18	0.12	0.06	0.06	0.07	0.08	0.07	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.14	0.14	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.21	0.18	0.11	0.05	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.09	0.10	0.11	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.08	0.10	0.09	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.13	0.09	0.10	0.12	0.12	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.12	0.12	0.10	0.09	0.08	0.10	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.10	0.11	0.12	0.13	0.13	0.14	0.16	0.18
CRMS 0258	0.19	0.19	0.17	0.12	0.08	0.09	0.06	0.06	0.06	0.06	0.14	0.21
CRMS 0224	0.18	0.18	0.17	0.09	0.06	0.05	0.06	0.06	0.07	0.07	0.13	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.16	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

V3PR5 HYST - cy 0 - 1970 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.21	0.22	0.24	0.26	0.23	0.18	0.17	0.16	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.15	0.13	0.13	0.11	0.08	0.08	0.10	0.10	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.20	0.22	0.24	0.21	0.13	0.11	0.10	0.12	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.17	0.18	0.13	0.10	0.11	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.18	0.18	0.20	0.17	0.10	0.09	0.10	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.16	0.16	0.17	0.17	0.19	0.16	0.10	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.14	0.14	0.11	0.09	0.09	0.10	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.14	0.13	0.11	0.11	0.12	0.13	0.14	0.17	0.20
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.13	0.14	0.12	0.09	0.08	0.09	0.09	0.11	0.12
CRMS 3985	0.15	0.17	0.17	0.14	0.13	0.11	0.12	0.15	0.15	0.15	0.17	0.18
CRMS 0258	0.16	0.17	0.16	0.15	0.15	0.11	0.07	0.07	0.06	0.07	0.14	0.19
CRMS 0224	0.16	0.17	0.16	0.14	0.14	0.11	0.07	0.06	0.07	0.08	0.13	0.17
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.15	0.18	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.00	0.04	0.12	0.19	0.17	0.11	0.09	0.09	0.10	0.04	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	0.02	0.11	0.18	0.16	0.08	0.05	0.04	0.06	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.04	0.09	0.03	-0.01	-0.01	0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.01	0.07	0.13	0.09	0.00	-0.01	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.05	0.10	0.08	0.00	-0.01	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.02	0.05	0.03	-0.01	-0.01	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.01	0.04	0.01	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.02	0.02	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	-0.01	0.03	0.06	0.03	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.02	-0.01	0.05	0.09	0.05	0.01	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 16 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.06	0.06	0.07	0.08	0.08	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.16	0.16	0.11	0.08	0.08	0.10	0.09	0.11	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.17	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.12	0.10	0.10	0.12	0.14	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.11	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.16	0.11	0.09	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.15	0.17	0.16	0.13	0.12	0.12	0.14	0.15	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.09	0.08	0.07	0.06	0.06	0.06	0.14	0.19
CRMS 0224	0.17	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.20	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

V3PR5 HYST - cy 0 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.20	0.19	0.18	0.17	0.17	0.19	0.22
CRMS0276 - Just east of Wilkinson Canal	0.12	0.16	0.16	0.15	0.15	0.11	0.08	0.08	0.10	0.09	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.23	0.24	0.24	0.25	0.14	0.12	0.11	0.10	0.11	0.17	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.19	0.19	0.19	0.10	0.10	0.12	0.14	0.15	0.18	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.20	0.21	0.21	0.21	0.11	0.09	0.09	0.10	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.15	0.19	0.20	0.19	0.20	0.11	0.08	0.09	0.10	0.10	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.17	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.14	0.18
HWQ14 - Lake Washington	0.15	0.17	0.17	0.14	0.13	0.10	0.11	0.12	0.13	0.14	0.17	0.20
HWQ16 - Bayou Grand Liard	0.11	0.15	0.16	0.15	0.15	0.11	0.09	0.09	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.17	0.16	0.14	0.14	0.10	0.12	0.15	0.15	0.15	0.18	0.18
CRMS 0258	0.15	0.17	0.17	0.16	0.16	0.09	0.07	0.07	0.06	0.06	0.14	0.18
CRMS 0224	0.15	0.17	0.17	0.16	0.16	0.08	0.06	0.07	0.07	0.07	0.13	0.17
CRMS 0163	0.17	0.18	0.18	0.18	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.19	0.22	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.06	0.10	0.16	0.21	0.14	0.12	0.10	0.09	0.09	0.03	0.02
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.04	0.08	0.15	0.19	0.09	0.07	0.06	0.05	0.05	0.03	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.02	0.06	0.10	0.00	-0.02	-0.02	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.03	0.05	0.10	0.13	0.04	-0.01	-0.02	-0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.02	0.04	0.08	0.11	0.03	-0.01	-0.01	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.04	0.05	0.02	-0.01	-0.01	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.02	0.03	0.00	-0.02	-0.02	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.02	-0.02	-0.02	0.01	0.02	0.02	0.02	0.01
CRMS 0258	-0.03	0.00	0.01	0.05	0.07	0.01	0.01	0.01	0.00	0.00	0.00	0.00
CRMS 0224	-0.02	0.00	0.02	0.07	0.09	0.02	0.01	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 17 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.19	0.13	0.07	0.06	0.08	0.09	0.08	0.09	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.08	0.08	0.09	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.19	0.12	0.06	0.05	0.06	0.07	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.10	0.10	0.10	0.12	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.11	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.07	0.09	0.09	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.07	0.09	0.09	0.11	0.11	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.10	0.11	0.12	0.13	0.13	0.16	0.18
CRMS 0258	0.19	0.18	0.18	0.12	0.08	0.05	0.06	0.06	0.06	0.06	0.15	0.19
CRMS 0224	0.18	0.18	0.16	0.10	0.05	0.05	0.06	0.07	0.08	0.07	0.13	0.18
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.10	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

V3PR5 HYST - cy 0 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.21	0.18	0.17	0.16	0.16	0.17	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.07	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.19	0.19	0.15	0.18	0.09	0.11	0.10	0.10	0.11	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.18	0.14	0.13	0.09	0.10	0.12	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.13	0.15	0.08	0.09	0.09	0.10	0.11	0.15	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.17	0.16	0.13	0.14	0.08	0.09	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.12	0.10	0.07	0.09	0.09	0.11	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.11	0.10	0.12	0.13	0.14	0.14	0.16	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.11	0.13
CRMS 3985	0.15	0.17	0.17	0.14	0.12	0.10	0.13	0.16	0.15	0.15	0.17	0.18
CRMS 0258	0.17	0.17	0.17	0.11	0.11	0.06	0.06	0.06	0.06	0.06	0.15	0.18
CRMS 0224	0.16	0.16	0.15	0.10	0.09	0.06	0.06	0.06	0.07	0.08	0.13	0.17
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.11	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.01	0.01	0.07	0.14	0.12	0.09	0.07	0.08	0.09	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	0.00	0.04	0.13	0.05	0.05	0.04	0.04	0.05	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.01	0.03	-0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.01	0.07	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.00	0.01	0.05	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	-0.01	0.01	0.02	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.01	0.00	0.00	0.02	0.04	0.02	0.02	0.02	0.00
CRMS 0258	-0.02	-0.02	-0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.02	-0.02	0.01	0.04	0.01	0.00	0.00	-0.01	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 18 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.17	0.11	0.06	0.06	0.07	0.07	0.06	0.07	0.16	0.21
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.13	0.12	0.09	0.09	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.14	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.11	0.11	0.12	0.13	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.16	0.11	0.08	0.08	0.10	0.09	0.09	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.15	0.11	0.08	0.08	0.10	0.10	0.10	0.09	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.11	0.12	0.11	0.12	0.12	0.16	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.12	0.11	0.11	0.10	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.17	0.16	0.14	0.12	0.12	0.12	0.13	0.13	0.14	0.17	0.18
CRMS 0258	0.19	0.17	0.16	0.11	0.09	0.09	0.09	0.09	0.06	0.06	0.14	0.20
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.19
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

V3PR5 HYST - cy 0 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.18	0.18	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.12	0.12	0.11	0.10	0.11	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.24	0.22	0.23	0.23	0.23	0.22	0.16	0.10	0.12	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.19	0.18	0.18	0.18	0.15	0.14	0.13	0.12	0.14	0.18	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.21	0.19	0.20	0.19	0.19	0.18	0.14	0.09	0.10	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.17	0.19	0.18	0.18	0.17	0.17	0.17	0.14	0.09	0.09	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.17	0.17	0.17	0.15	0.13	0.12	0.12	0.12	0.09	0.10	0.14	0.18
HWQ14 - Lake Washington	0.17	0.17	0.17	0.14	0.12	0.12	0.12	0.13	0.11	0.12	0.17	0.20
HWQ16 - Bayou Grand Liard	0.13	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.10	0.09	0.10	0.12
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.12	0.12	0.13	0.14	0.16	0.18	0.19
CRMS 0258	0.17	0.17	0.17	0.16	0.13	0.13	0.14	0.11	0.07	0.06	0.14	0.20
CRMS 0224	0.17	0.17	0.17	0.16	0.13	0.13	0.13	0.10	0.06	0.07	0.13	0.18
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.23	0.21	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.07	0.14	0.18	0.18	0.17	0.14	0.12	0.10	0.03	-0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.05	0.06	0.13	0.17	0.18	0.17	0.11	0.05	0.06	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.01	0.01	0.05	0.08	0.05	0.04	0.02	-0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.03	0.03	0.08	0.11	0.11	0.08	0.05	-0.01	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.02	0.03	0.03	0.07	0.09	0.09	0.07	0.04	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.04	0.04	0.04	0.02	0.02	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.02	0.02	0.01	0.00	0.01	-0.01	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.02	0.01
CRMS 0258	-0.02	0.00	0.01	0.04	0.05	0.04	0.05	0.02	0.00	0.01	0.00	0.00
CRMS 0224	-0.01	0.00	0.02	0.07	0.07	0.07	0.07	0.04	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 19 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.20	0.18	0.11	0.06	0.06	0.07	0.07	0.07	0.08	0.15	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.15	0.16	0.15	0.09	0.09	0.11	0.10	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.19	0.20	0.19	0.16	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.20	0.18	0.10	0.06	0.05	0.05	0.06	0.05	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.12	0.09	0.10	0.11	0.13	0.14	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.11	0.08	0.07	0.09	0.10	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.17	0.11	0.08	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.09	0.10	0.12	0.13	0.14	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.13	0.13	0.13	0.11	0.11	0.10	0.09	0.09	0.13
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.11	0.14	0.16	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.19	0.17	0.12	0.09	0.09	0.09	0.08	0.05	0.06	0.14	0.18
CRMS 0224	0.17	0.17	0.17	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.16	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

V3PR5 HYST - cy 0 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.25	0.25	0.28	0.27	0.24	0.19	0.18	0.17	0.19	0.25
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.15	0.15	0.15	0.14	0.11	0.09	0.11	0.09	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.18	0.20	0.19	0.15	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.23	0.23	0.26	0.25	0.22	0.12	0.10	0.11	0.17	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.19	0.18	0.20	0.18	0.15	0.11	0.13	0.14	0.18	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.20	0.20	0.22	0.21	0.19	0.10	0.09	0.10	0.15	0.20
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.19	0.18	0.20	0.20	0.17	0.11	0.09	0.10	0.13	0.19
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.18	0.15	0.14	0.13	0.13	0.10	0.09	0.10	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.14	0.13	0.12	0.12	0.12	0.11	0.13	0.17	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.15	0.15	0.15	0.15	0.12	0.10	0.10	0.09	0.10	0.15
CRMS 3985	0.15	0.17	0.17	0.14	0.14	0.13	0.12	0.13	0.14	0.16	0.18	0.18
CRMS 0258	0.15	0.19	0.17	0.16	0.16	0.16	0.14	0.09	0.06	0.06	0.14	0.18
CRMS 0224	0.15	0.17	0.17	0.16	0.16	0.16	0.13	0.07	0.06	0.07	0.13	0.18
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.15	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.22	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.02	0.07	0.14	0.22	0.21	0.17	0.12	0.10	0.10	0.04	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.01	0.00	-0.01	-0.01	0.02	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.02	0.05	0.14	0.21	0.20	0.17	0.07	0.05	0.05	0.03	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.06	0.11	0.08	0.03	-0.02	-0.02	0.02	0.02	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.03	0.09	0.14	0.14	0.09	0.00	-0.02	0.00	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.02	0.07	0.12	0.12	0.08	0.01	-0.01	0.00	0.01	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.03	0.06	0.05	0.03	0.00	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.02	0.04	0.02	0.00	-0.02	-0.03	0.00	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.02
CRMS 3985	0.00	0.00	0.00	0.01	0.03	0.02	-0.02	-0.03	0.00	0.03	0.02	0.01
CRMS 0258	-0.03	0.00	0.00	0.04	0.07	0.06	0.05	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	0.00	0.01	0.07	0.10	0.10	0.07	0.01	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 20 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.18	0.12	0.06	0.06	0.07	0.08	0.07	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.14	0.14	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.21	0.18	0.11	0.05	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.09	0.10	0.11	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.08	0.10	0.09	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.13	0.09	0.10	0.12	0.12	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.12	0.12	0.10	0.09	0.08	0.10	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.10	0.11	0.12	0.13	0.13	0.14	0.16	0.18
CRMS 0258	0.19	0.19	0.17	0.12	0.08	0.09	0.06	0.06	0.06	0.06	0.14	0.21
CRMS 0224	0.18	0.18	0.17	0.09	0.06	0.05	0.06	0.06	0.07	0.07	0.13	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.16	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

V3PR6 HYST - cy 0 - 1970 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.21	0.23	0.24	0.26	0.23	0.18	0.17	0.16	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.14	0.15	0.15	0.14	0.15	0.12	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.17	0.17	0.18	0.15	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.22	0.23	0.25	0.22	0.14	0.12	0.11	0.13	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.19	0.21	0.16	0.10	0.11	0.14	0.14	0.18	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.19	0.20	0.22	0.19	0.11	0.08	0.10	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.17	0.17	0.18	0.19	0.21	0.18	0.11	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.15	0.15	0.12	0.10	0.08	0.10	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.15	0.14	0.12	0.11	0.11	0.13	0.14	0.17	0.20
HWQ16 - Bayou Grand Liard	0.12	0.13	0.15	0.15	0.17	0.13	0.09	0.08	0.09	0.09	0.11	0.12
CRMS 3985	0.16	0.17	0.17	0.15	0.17	0.12	0.11	0.14	0.15	0.15	0.17	0.18
CRMS 0258	0.17	0.17	0.17	0.17	0.19	0.15	0.07	0.07	0.06	0.07	0.14	0.19
CRMS 0224	0.17	0.17	0.17	0.17	0.19	0.14	0.07	0.06	0.07	0.08	0.14	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.13	0.16	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.00	0.04	0.12	0.20	0.17	0.11	0.09	0.09	0.10	0.04	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	-0.01	0.03	0.12	0.20	0.17	0.08	0.06	0.05	0.06	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.01	0.06	0.12	0.06	-0.01	-0.01	0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.00	0.02	0.09	0.15	0.11	0.00	-0.01	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.00	0.02	0.07	0.13	0.10	0.01	-0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.04	0.07	0.05	0.00	-0.01	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.02	0.05	0.01	-0.01	-0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.02	0.03	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.02	0.06	0.01	0.00	0.02	0.02	0.02	0.02	0.01
CRMS 0258	-0.03	-0.02	-0.01	0.05	0.10	0.06	0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.02	0.00	0.08	0.13	0.09	0.01	0.00	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 21 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.06	0.06	0.07	0.08	0.08	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.16	0.16	0.11	0.08	0.08	0.10	0.09	0.11	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.17	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.12	0.10	0.10	0.12	0.14	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.11	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.16	0.11	0.09	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.15	0.17	0.16	0.13	0.12	0.12	0.14	0.15	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.09	0.08	0.07	0.06	0.06	0.06	0.14	0.19
CRMS 0224	0.17	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.20	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

V3PR6 HYST - cy 0 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.20	0.19	0.18	0.17	0.17	0.19	0.22
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.16	0.17	0.11	0.08	0.08	0.10	0.09	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.24	0.26	0.26	0.26	0.15	0.13	0.12	0.11	0.12	0.18	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.20	0.22	0.21	0.22	0.11	0.10	0.12	0.14	0.15	0.18	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.22	0.23	0.23	0.24	0.12	0.08	0.09	0.10	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.16	0.21	0.22	0.22	0.23	0.12	0.08	0.09	0.10	0.10	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.15	0.18	0.18	0.16	0.16	0.11	0.08	0.09	0.10	0.11	0.14	0.19
HWQ14 - Lake Washington	0.15	0.17	0.17	0.15	0.15	0.11	0.10	0.12	0.13	0.14	0.17	0.20
HWQ16 - Bayou Grand Liard	0.12	0.17	0.18	0.17	0.18	0.12	0.09	0.09	0.10	0.09	0.10	0.14
CRMS 3985	0.15	0.17	0.18	0.17	0.18	0.11	0.11	0.15	0.15	0.16	0.18	0.19
CRMS 0258	0.15	0.18	0.19	0.19	0.20	0.10	0.07	0.07	0.06	0.06	0.15	0.19
CRMS 0224	0.15	0.19	0.20	0.20	0.21	0.10	0.06	0.07	0.07	0.08	0.14	0.18
CRMS 0163	0.17	0.18	0.18	0.18	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.19	0.22	0.23	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.10	0.16	0.21	0.14	0.12	0.10	0.09	0.09	0.03	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.06	0.09	0.16	0.21	0.10	0.08	0.07	0.06	0.06	0.03	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.03	0.05	0.09	0.13	0.01	-0.02	-0.02	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.05	0.07	0.12	0.16	0.04	-0.01	-0.02	-0.01	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.04	0.06	0.10	0.14	0.04	-0.01	-0.01	-0.01	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.02	0.05	0.08	0.03	-0.01	-0.01	-0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.05	0.00	-0.03	-0.03	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.03	0.03	0.04	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.02
CRMS 3985	0.00	0.01	0.02	0.04	0.06	-0.01	-0.03	0.00	0.02	0.03	0.02	0.01
CRMS 0258	-0.02	0.01	0.04	0.08	0.11	0.02	0.01	0.01	0.01	0.01	0.00	0.00
CRMS 0224	-0.02	0.02	0.05	0.11	0.14	0.04	0.01	0.01	0.00	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 22 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.19	0.13	0.07	0.06	0.08	0.09	0.08	0.09	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.08	0.08	0.09	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.19	0.12	0.06	0.05	0.06	0.07	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.10	0.10	0.10	0.12	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.11	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.07	0.09	0.09	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.07	0.09	0.09	0.11	0.11	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.10	0.11	0.12	0.13	0.13	0.16	0.18
CRMS 0258	0.19	0.18	0.18	0.12	0.08	0.05	0.06	0.06	0.06	0.06	0.15	0.19
CRMS 0224	0.18	0.18	0.16	0.10	0.05	0.05	0.06	0.07	0.08	0.07	0.13	0.18
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.10	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

V3PR6 HYST - cy 0 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.21	0.20	0.22	0.18	0.17	0.16	0.16	0.17	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.07	0.08	0.09	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.15	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.20	0.19	0.17	0.20	0.10	0.12	0.11	0.11	0.12	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.18	0.14	0.15	0.08	0.10	0.12	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.18	0.14	0.17	0.08	0.09	0.09	0.10	0.11	0.15	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.18	0.16	0.13	0.16	0.08	0.08	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.13	0.12	0.08	0.08	0.09	0.11	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.17	0.17	0.13	0.12	0.09	0.11	0.13	0.14	0.14	0.16	0.19
HWQ16 - Bayou Grand Liard	0.10	0.14	0.13	0.12	0.11	0.09	0.08	0.08	0.09	0.09	0.11	0.13
CRMS 3985	0.15	0.17	0.17	0.14	0.12	0.10	0.13	0.16	0.15	0.15	0.17	0.18
CRMS 0258	0.17	0.17	0.17	0.12	0.12	0.06	0.06	0.06	0.06	0.06	0.15	0.18
CRMS 0224	0.16	0.17	0.15	0.11	0.12	0.06	0.06	0.06	0.07	0.07	0.13	0.17
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.18	0.19	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.02	0.02	0.07	0.15	0.12	0.09	0.07	0.08	0.09	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	0.00	0.05	0.14	0.05	0.06	0.04	0.04	0.06	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.01	0.05	-0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.01	0.02	0.09	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.00	0.02	0.08	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	-0.01	0.01	0.03	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.00	0.02	-0.01	0.00	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.03	0.02	0.02	0.01	0.00
CRMS 0258	-0.03	-0.02	-0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.01	-0.01	0.02	0.06	0.01	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 23 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.17	0.11	0.06	0.06	0.07	0.07	0.06	0.07	0.16	0.21
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.13	0.12	0.09	0.09	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.14	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.11	0.11	0.12	0.13	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.16	0.11	0.08	0.08	0.10	0.09	0.09	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.15	0.11	0.08	0.08	0.10	0.10	0.10	0.09	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.11	0.12	0.11	0.12	0.12	0.16	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.12	0.11	0.11	0.10	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.17	0.16	0.14	0.12	0.12	0.12	0.13	0.13	0.14	0.17	0.18
CRMS 0258	0.19	0.17	0.16	0.11	0.09	0.09	0.09	0.09	0.06	0.06	0.14	0.20
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.19
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

V3PR6 HYST - cy 0 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.16	0.15	0.14	0.14	0.14	0.12	0.11	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.17	0.18	0.17	0.17	0.14	0.14	0.14	0.13	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.25	0.24	0.24	0.24	0.24	0.23	0.17	0.11	0.13	0.18	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.21	0.20	0.20	0.20	0.19	0.18	0.14	0.11	0.14	0.19	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.09	0.10	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.19	0.22	0.20	0.21	0.20	0.20	0.19	0.15	0.09	0.09	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.17	0.16	0.14	0.14	0.14	0.13	0.09	0.10	0.14	0.18
HWQ14 - Lake Washington	0.17	0.17	0.16	0.15	0.13	0.13	0.13	0.12	0.11	0.12	0.17	0.20
HWQ16 - Bayou Grand Liard	0.15	0.18	0.17	0.17	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.12
CRMS 3985	0.16	0.18	0.17	0.16	0.15	0.15	0.13	0.13	0.13	0.15	0.18	0.19
CRMS 0258	0.18	0.19	0.18	0.18	0.17	0.17	0.17	0.12	0.07	0.06	0.14	0.20
CRMS 0224	0.18	0.20	0.18	0.19	0.17	0.17	0.16	0.11	0.07	0.07	0.13	0.18
CRMS 0163	0.17	0.19	0.18	0.18	0.17	0.16	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.23	0.21	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.08	0.07	0.14	0.19	0.19	0.17	0.14	0.12	0.10	0.03	-0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	0.01	0.01	0.05	0.03	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.07	0.07	0.15	0.19	0.19	0.18	0.12	0.06	0.07	0.04	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.03	0.07	0.10	0.08	0.07	0.04	-0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.03	0.05	0.05	0.10	0.13	0.13	0.10	0.06	-0.01	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.04	0.05	0.05	0.09	0.12	0.12	0.09	0.06	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.01	0.05	0.06	0.06	0.03	0.03	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.03	0.03	0.02	0.00	0.01	-0.01	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.01	0.01	0.00	0.03	0.04	0.03	0.01	0.01	0.00	0.02	0.02	0.01
CRMS 0258	-0.01	0.02	0.02	0.07	0.08	0.09	0.09	0.04	0.01	0.01	0.01	0.00
CRMS 0224	0.00	0.03	0.03	0.10	0.12	0.12	0.10	0.05	0.00	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 24 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.20	0.18	0.11	0.06	0.06	0.07	0.07	0.07	0.08	0.15	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.15	0.16	0.15	0.09	0.09	0.11	0.10	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.19	0.20	0.19	0.16	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.20	0.18	0.10	0.06	0.05	0.05	0.06	0.05	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.12	0.09	0.10	0.11	0.13	0.14	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.11	0.08	0.07	0.09	0.10	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.17	0.11	0.08	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.09	0.10	0.12	0.13	0.14	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.13	0.13	0.13	0.11	0.11	0.10	0.09	0.09	0.13
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.11	0.14	0.16	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.19	0.17	0.12	0.09	0.09	0.09	0.08	0.05	0.06	0.14	0.18
CRMS 0224	0.17	0.17	0.17	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.16	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

V3PR6 HYST - cy 0 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.25	0.26	0.28	0.27	0.24	0.19	0.18	0.17	0.19	0.25
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.16	0.16	0.17	0.16	0.14	0.09	0.11	0.10	0.11	0.16
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.18	0.20	0.19	0.15	0.13	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.24	0.25	0.27	0.26	0.23	0.13	0.11	0.12	0.18	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.18	0.20	0.21	0.23	0.22	0.18	0.11	0.12	0.14	0.18	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.22	0.22	0.24	0.24	0.21	0.10	0.09	0.10	0.15	0.22
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.21	0.21	0.23	0.22	0.19	0.11	0.09	0.10	0.13	0.20
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.18	0.16	0.16	0.16	0.14	0.10	0.09	0.10	0.14	0.19
HWQ14 - Lake Washington	0.15	0.18	0.17	0.15	0.15	0.15	0.13	0.11	0.11	0.13	0.17	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.17	0.17	0.18	0.17	0.14	0.11	0.10	0.09	0.10	0.17
CRMS 3985	0.15	0.17	0.18	0.17	0.18	0.18	0.14	0.13	0.14	0.16	0.18	0.19
CRMS 0258	0.15	0.19	0.19	0.19	0.20	0.20	0.17	0.09	0.06	0.06	0.14	0.19
CRMS 0224	0.15	0.17	0.19	0.19	0.21	0.21	0.17	0.08	0.06	0.07	0.13	0.19
CRMS 0163	0.16	0.17	0.18	0.18	0.19	0.19	0.15	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.22	0.25	0.24	0.22	0.20	0.19	0.18	0.18	0.22

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.02	0.07	0.15	0.22	0.21	0.17	0.12	0.10	0.10	0.04	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.01	0.00	0.00	0.02	0.05	0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	0.06	0.15	0.22	0.21	0.18	0.08	0.06	0.07	0.04	0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	0.03	0.08	0.14	0.12	0.07	-0.02	-0.02	0.02	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.05	0.11	0.17	0.16	0.11	0.01	-0.02	0.00	0.02	0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.04	0.09	0.15	0.14	0.10	0.02	-0.02	0.00	0.02	0.04
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.05	0.08	0.08	0.05	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.01	0.00	0.00	0.03	0.06	0.05	0.01	-0.02	-0.03	0.00	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.03	0.04	0.05	0.04	0.03	0.00	0.00	0.00	0.00	0.04
CRMS 3985	0.00	0.00	0.01	0.04	0.08	0.06	0.01	-0.03	-0.01	0.02	0.03	0.01
CRMS 0258	-0.02	0.00	0.02	0.07	0.11	0.10	0.09	0.01	0.00	0.01	0.01	0.00
CRMS 0224	-0.02	0.00	0.02	0.10	0.15	0.15	0.11	0.02	0.00	0.00	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 25 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.18	0.12	0.06	0.06	0.07	0.08	0.07	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.14	0.14	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.21	0.18	0.11	0.05	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.09	0.10	0.11	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.08	0.10	0.09	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.13	0.09	0.10	0.12	0.12	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.12	0.12	0.10	0.09	0.08	0.10	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.10	0.11	0.12	0.13	0.13	0.14	0.16	0.18
CRMS 0258	0.19	0.19	0.17	0.12	0.08	0.09	0.06	0.06	0.06	0.06	0.14	0.21
CRMS 0224	0.18	0.18	0.17	0.09	0.06	0.05	0.06	0.06	0.07	0.07	0.13	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.16	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

V3PR7 HYST - cy 0 - 1970 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.21	0.23	0.24	0.26	0.23	0.18	0.17	0.16	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.14	0.15	0.15	0.14	0.15	0.12	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.17	0.17	0.18	0.15	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.21	0.23	0.25	0.22	0.13	0.11	0.10	0.12	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.19	0.21	0.17	0.10	0.11	0.14	0.14	0.18	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.19	0.20	0.23	0.19	0.11	0.08	0.09	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.17	0.17	0.18	0.19	0.21	0.18	0.11	0.08	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.15	0.15	0.12	0.10	0.08	0.10	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.18	0.17	0.15	0.15	0.12	0.11	0.11	0.13	0.14	0.17	0.20
HWQ16 - Bayou Grand Liard	0.12	0.13	0.15	0.15	0.17	0.13	0.09	0.08	0.09	0.09	0.11	0.12
CRMS 3985	0.16	0.17	0.17	0.15	0.17	0.12	0.11	0.14	0.15	0.15	0.18	0.18
CRMS 0258	0.17	0.17	0.17	0.17	0.18	0.14	0.07	0.07	0.06	0.07	0.14	0.19
CRMS 0224	0.17	0.17	0.17	0.17	0.19	0.14	0.07	0.06	0.07	0.08	0.14	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.15	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.00	0.04	0.12	0.20	0.17	0.11	0.09	0.09	0.10	0.04	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	-0.01	0.03	0.12	0.19	0.17	0.08	0.05	0.04	0.06	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.01	0.06	0.12	0.06	-0.01	-0.01	0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.00	0.02	0.09	0.15	0.11	0.00	-0.01	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.00	0.02	0.07	0.13	0.10	0.01	-0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.04	0.07	0.05	0.00	-0.01	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.02	0.05	0.01	-0.01	-0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.02	0.03	0.05	0.03	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.02	0.06	0.01	0.00	0.02	0.02	0.02	0.02	0.01
CRMS 0258	-0.03	-0.02	-0.01	0.05	0.10	0.06	0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.02	0.00	0.07	0.13	0.09	0.01	0.00	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 26 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.06	0.06	0.07	0.08	0.08	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.16	0.16	0.11	0.08	0.08	0.10	0.09	0.11	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.17	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.12	0.10	0.10	0.12	0.14	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.11	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.16	0.11	0.09	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.15	0.17	0.16	0.13	0.12	0.12	0.14	0.15	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.09	0.08	0.07	0.06	0.06	0.06	0.14	0.19
CRMS 0224	0.17	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.20	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

V3PR7 HYST - cy 0 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.20	0.19	0.18	0.17	0.17	0.19	0.22
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.16	0.17	0.11	0.08	0.08	0.10	0.09	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.24	0.25	0.25	0.26	0.15	0.12	0.12	0.11	0.12	0.17	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.20	0.22	0.22	0.22	0.11	0.10	0.12	0.14	0.15	0.18	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.22	0.23	0.23	0.24	0.12	0.08	0.09	0.10	0.11	0.15	0.19
USGS 07380335 - Little Lake Near Cutoff	0.16	0.21	0.22	0.22	0.23	0.12	0.08	0.09	0.10	0.10	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.15	0.18	0.18	0.16	0.16	0.11	0.08	0.09	0.11	0.11	0.14	0.19
HWQ14 - Lake Washington	0.15	0.17	0.17	0.15	0.15	0.11	0.10	0.12	0.13	0.14	0.17	0.20
HWQ16 - Bayou Grand Liard	0.12	0.17	0.18	0.17	0.18	0.12	0.09	0.09	0.10	0.09	0.10	0.14
CRMS 3985	0.15	0.17	0.18	0.17	0.18	0.11	0.11	0.15	0.15	0.16	0.18	0.19
CRMS 0258	0.15	0.18	0.19	0.19	0.20	0.10	0.07	0.07	0.06	0.06	0.15	0.19
CRMS 0224	0.15	0.19	0.20	0.20	0.21	0.10	0.06	0.07	0.07	0.08	0.14	0.18
CRMS 0163	0.17	0.18	0.18	0.18	0.19	0.14	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.19	0.22	0.23	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.10	0.16	0.21	0.14	0.12	0.10	0.09	0.09	0.03	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.05	0.09	0.16	0.20	0.10	0.07	0.06	0.05	0.06	0.03	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.03	0.05	0.09	0.13	0.01	-0.02	-0.02	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.05	0.07	0.12	0.16	0.04	-0.01	-0.02	-0.01	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.04	0.06	0.10	0.14	0.04	-0.01	-0.01	-0.01	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.02	0.05	0.08	0.03	-0.01	-0.01	-0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.05	0.00	-0.03	-0.03	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.03	0.03	0.05	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.02
CRMS 3985	0.00	0.01	0.02	0.04	0.06	-0.01	-0.03	0.00	0.02	0.03	0.02	0.01
CRMS 0258	-0.02	0.01	0.03	0.07	0.10	0.02	0.01	0.01	0.01	0.01	0.01	0.00
CRMS 0224	-0.02	0.02	0.05	0.11	0.14	0.04	0.01	0.01	0.00	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 27 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.19	0.13	0.07	0.06	0.08	0.09	0.08	0.09	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.08	0.08	0.09	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.19	0.12	0.06	0.05	0.06	0.07	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.10	0.10	0.10	0.12	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.11	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.07	0.09	0.09	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.07	0.09	0.09	0.11	0.11	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.10	0.11	0.12	0.13	0.13	0.16	0.18
CRMS 0258	0.19	0.18	0.18	0.12	0.08	0.05	0.06	0.06	0.06	0.06	0.15	0.19
CRMS 0224	0.18	0.18	0.16	0.10	0.05	0.05	0.06	0.07	0.08	0.07	0.13	0.18
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.10	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

V3PR7 HYST - cy 0 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.21	0.20	0.22	0.18	0.17	0.16	0.16	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.07	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.15	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.20	0.19	0.16	0.19	0.10	0.11	0.10	0.10	0.11	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.18	0.14	0.15	0.09	0.10	0.12	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.18	0.14	0.17	0.08	0.09	0.09	0.10	0.11	0.15	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.18	0.16	0.13	0.16	0.08	0.08	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.13	0.12	0.08	0.08	0.09	0.11	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.17	0.17	0.13	0.12	0.09	0.11	0.13	0.14	0.14	0.17	0.19
HWQ16 - Bayou Grand Liard	0.10	0.14	0.13	0.12	0.11	0.09	0.08	0.08	0.09	0.09	0.11	0.13
CRMS 3985	0.15	0.17	0.17	0.14	0.12	0.10	0.13	0.16	0.15	0.15	0.17	0.18
CRMS 0258	0.17	0.17	0.17	0.12	0.12	0.06	0.06	0.06	0.06	0.07	0.15	0.18
CRMS 0224	0.16	0.17	0.15	0.11	0.11	0.06	0.06	0.06	0.07	0.08	0.13	0.17
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.11	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.02	0.02	0.07	0.15	0.12	0.09	0.07	0.08	0.09	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	0.00	0.04	0.14	0.05	0.05	0.04	0.04	0.05	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.01	0.05	-0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.01	0.02	0.09	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.00	0.02	0.08	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	-0.01	0.01	0.03	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.00	0.02	-0.01	0.00	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.00	0.01	0.00	0.02	0.03	0.02	0.02	0.01	0.00
CRMS 0258	-0.03	-0.02	-0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.01	-0.01	0.02	0.06	0.01	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 28 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.17	0.11	0.06	0.06	0.07	0.07	0.06	0.07	0.16	0.21
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.13	0.12	0.09	0.09	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.14	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.11	0.11	0.12	0.13	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.16	0.11	0.08	0.08	0.10	0.09	0.09	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.15	0.11	0.08	0.08	0.10	0.10	0.10	0.09	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.11	0.12	0.11	0.12	0.12	0.16	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.12	0.11	0.11	0.10	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.17	0.16	0.14	0.12	0.12	0.12	0.13	0.13	0.14	0.17	0.18
CRMS 0258	0.19	0.17	0.16	0.11	0.09	0.09	0.09	0.09	0.06	0.06	0.14	0.20
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.19
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

V3PR7 HYST - cy 0 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.15	0.16	0.16	0.15	0.14	0.14	0.14	0.12	0.11	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.17	0.18	0.17	0.17	0.14	0.14	0.14	0.13	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.25	0.23	0.24	0.24	0.23	0.23	0.17	0.10	0.12	0.18	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.21	0.20	0.20	0.20	0.19	0.18	0.14	0.11	0.14	0.19	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.09	0.10	0.15	0.20
USGS 07380335 - Little Lake Near Cutoff	0.19	0.22	0.20	0.21	0.20	0.20	0.19	0.15	0.09	0.09	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.17	0.16	0.14	0.14	0.14	0.13	0.09	0.10	0.14	0.18
HWQ14 - Lake Washington	0.17	0.17	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.12	0.17	0.21
HWQ16 - Bayou Grand Liard	0.15	0.18	0.17	0.17	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.12
CRMS 3985	0.16	0.18	0.17	0.16	0.16	0.15	0.14	0.13	0.13	0.15	0.18	0.19
CRMS 0258	0.18	0.19	0.18	0.18	0.17	0.17	0.17	0.12	0.07	0.06	0.14	0.20
CRMS 0224	0.18	0.20	0.18	0.19	0.17	0.17	0.16	0.11	0.06	0.07	0.13	0.18
CRMS 0163	0.17	0.19	0.18	0.18	0.17	0.16	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.23	0.21	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.08	0.07	0.14	0.19	0.19	0.17	0.14	0.12	0.10	0.03	-0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	0.01	0.01	0.05	0.03	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.06	0.07	0.15	0.18	0.18	0.18	0.11	0.05	0.06	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.03	0.07	0.10	0.08	0.07	0.04	-0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.03	0.05	0.05	0.10	0.13	0.13	0.10	0.06	-0.01	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.04	0.05	0.05	0.09	0.12	0.12	0.09	0.06	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.01	0.05	0.06	0.06	0.03	0.03	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.03	0.03	0.02	0.00	0.01	-0.01	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.01	0.01	0.00	0.03	0.04	0.03	0.02	0.01	0.00	0.02	0.02	0.01
CRMS 0258	-0.01	0.02	0.02	0.07	0.08	0.08	0.08	0.03	0.01	0.01	0.01	0.00
CRMS 0224	0.00	0.03	0.03	0.10	0.11	0.11	0.10	0.05	0.00	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 29 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.20	0.18	0.11	0.06	0.06	0.07	0.07	0.07	0.08	0.15	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.15	0.16	0.15	0.09	0.09	0.11	0.10	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.19	0.20	0.19	0.16	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.20	0.18	0.10	0.06	0.05	0.05	0.06	0.05	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.12	0.09	0.10	0.11	0.13	0.14	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.11	0.08	0.07	0.09	0.10	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.17	0.11	0.08	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.09	0.10	0.12	0.13	0.14	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.13	0.13	0.13	0.11	0.11	0.10	0.09	0.09	0.13
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.11	0.14	0.16	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.19	0.17	0.12	0.09	0.09	0.09	0.08	0.05	0.06	0.14	0.18
CRMS 0224	0.17	0.17	0.17	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.16	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

V3PR7 HYST - cy 0 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.25	0.26	0.28	0.27	0.24	0.19	0.18	0.17	0.19	0.25
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.16	0.16	0.17	0.17	0.14	0.09	0.11	0.09	0.11	0.16
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.18	0.20	0.19	0.15	0.13	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.24	0.25	0.27	0.26	0.23	0.13	0.10	0.11	0.17	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.18	0.20	0.21	0.23	0.22	0.18	0.11	0.12	0.14	0.18	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.22	0.22	0.25	0.24	0.21	0.10	0.09	0.10	0.15	0.22
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.21	0.21	0.23	0.22	0.19	0.11	0.09	0.10	0.13	0.21
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.18	0.16	0.16	0.16	0.14	0.10	0.09	0.10	0.14	0.19
HWQ14 - Lake Washington	0.14	0.18	0.17	0.15	0.15	0.15	0.13	0.11	0.11	0.13	0.17	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.17	0.17	0.18	0.17	0.14	0.11	0.10	0.09	0.10	0.17
CRMS 3985	0.15	0.17	0.18	0.17	0.18	0.18	0.14	0.13	0.14	0.16	0.18	0.19
CRMS 0258	0.15	0.19	0.19	0.18	0.20	0.20	0.17	0.09	0.06	0.06	0.14	0.19
CRMS 0224	0.15	0.17	0.18	0.19	0.21	0.21	0.16	0.08	0.06	0.07	0.13	0.19
CRMS 0163	0.16	0.17	0.18	0.18	0.19	0.19	0.15	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.22	0.25	0.24	0.22	0.20	0.19	0.18	0.18	0.22

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.02	0.07	0.15	0.22	0.21	0.17	0.12	0.10	0.10	0.04	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.01	0.00	0.00	0.02	0.05	0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	0.06	0.15	0.22	0.21	0.17	0.07	0.05	0.06	0.04	0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	0.03	0.08	0.14	0.12	0.07	-0.02	-0.02	0.02	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.05	0.11	0.17	0.16	0.11	0.01	-0.02	0.00	0.02	0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.04	0.09	0.15	0.14	0.10	0.02	-0.02	0.00	0.02	0.04
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.00	0.01	0.05	0.08	0.08	0.05	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.01	0.00	0.00	0.03	0.06	0.05	0.01	-0.02	-0.03	0.00	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.03	0.04	0.05	0.04	0.03	0.00	0.00	0.00	0.00	0.04
CRMS 3985	0.00	0.00	0.01	0.04	0.08	0.07	0.01	-0.03	-0.01	0.02	0.03	0.01
CRMS 0258	-0.02	0.00	0.02	0.07	0.11	0.10	0.08	0.01	0.00	0.01	0.01	0.00
CRMS 0224	-0.02	0.00	0.02	0.10	0.15	0.14	0.10	0.01	0.00	0.00	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 30 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.18	0.12	0.06	0.06	0.07	0.08	0.07	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.14	0.14	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.21	0.18	0.11	0.05	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.09	0.10	0.11	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.08	0.10	0.09	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.13	0.09	0.10	0.12	0.12	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.12	0.12	0.10	0.09	0.08	0.10	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.10	0.11	0.12	0.13	0.13	0.14	0.16	0.18
CRMS 0258	0.19	0.19	0.17	0.12	0.08	0.09	0.06	0.06	0.06	0.06	0.14	0.21
CRMS 0224	0.18	0.18	0.17	0.09	0.06	0.05	0.06	0.06	0.07	0.07	0.13	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.16	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

V3PR8 HYST - cy 0 - 1970 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.02	0.02
CRMS0276 - Just east of Wilkinson Canal	0.09	0.13	0.10	0.09	0.08	0.06	0.05	0.07	0.10	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.15	0.11	0.11	0.10	0.07	0.07	0.08	0.09	0.12	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.03	0.00	0.00	0.00	0.00	0.03	0.04	0.04	0.04	0.06	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.11	0.05	0.03	0.01	0.02	0.07	0.09	0.12	0.13	0.16	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.06	0.07	0.02	0.01	0.01	0.01	0.05	0.06	0.07	0.07	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.07	0.08	0.03	0.02	0.01	0.02	0.05	0.07	0.07	0.07	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.06	0.04	0.04	0.05	0.06	0.07	0.07	0.11	0.16
HWQ14 - Lake Washington	0.14	0.15	0.13	0.08	0.05	0.05	0.07	0.08	0.11	0.12	0.15	0.19
HWQ16 - Bayou Grand Liard	0.10	0.11	0.08	0.06	0.04	0.05	0.07	0.07	0.08	0.08	0.10	0.11
CRMS 3985	0.14	0.16	0.12	0.07	0.03	0.04	0.08	0.12	0.14	0.15	0.18	0.18
CRMS 0258	0.08	0.10	0.05	0.04	0.03	0.04	0.07	0.06	0.05	0.05	0.11	0.16
CRMS 0224	0.06	0.08	0.03	0.03	0.02	0.03	0.05	0.06	0.05	0.05	0.08	0.12
CRMS 0163	0.18	0.18	0.18	0.19	0.20	0.17	0.12	0.12	0.13	0.15	0.17	0.17
CRMS 0162	0.21	0.21	0.23	0.25	0.28	0.24	0.20	0.18	0.17	0.20	0.20	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.17	-0.20	-0.18	-0.12	-0.06	-0.06	-0.06	-0.07	-0.06	-0.07	-0.13	-0.18
CRMS0276 - Just east of Wilkinson Canal	-0.04	-0.01	-0.05	-0.04	-0.07	-0.05	-0.03	-0.02	0.00	-0.01	-0.02	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.02	-0.06	-0.07	-0.06	-0.04	-0.04	-0.03	-0.05	-0.05	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.17	-0.18	-0.18	-0.11	-0.05	-0.05	-0.02	-0.02	-0.02	-0.02	-0.08	-0.15
USGS7380251 Barataria Bay North of Grand Isle	-0.07	-0.07	-0.13	-0.10	-0.08	-0.08	-0.04	-0.03	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.10	-0.11	-0.15	-0.11	-0.07	-0.07	-0.05	-0.03	-0.03	-0.03	-0.03	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.08	-0.08	-0.14	-0.10	-0.07	-0.06	-0.05	-0.03	-0.03	-0.03	-0.03	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.05	-0.04	-0.08	-0.06	-0.04	-0.03	-0.05	-0.03	-0.04	-0.03	-0.02	-0.01
HWQ14 - Lake Washington	-0.03	-0.03	-0.05	-0.05	-0.04	-0.05	-0.05	-0.04	-0.01	-0.01	0.00	0.00
HWQ16 - Bayou Grand Liard	-0.01	-0.02	-0.05	-0.06	-0.08	-0.06	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 3985	-0.02	-0.01	-0.05	-0.06	-0.07	-0.07	-0.04	0.00	0.02	0.02	0.02	0.01
CRMS 0258	-0.11	-0.09	-0.13	-0.08	-0.05	-0.04	0.01	0.00	-0.01	-0.01	-0.04	-0.05
CRMS 0224	-0.12	-0.10	-0.13	-0.07	-0.04	-0.03	-0.01	0.00	-0.02	-0.02	-0.04	-0.06
CRMS 0163	0.01	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.02	0.02	0.03	0.03	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 31 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.06	0.06	0.07	0.08	0.08	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.16	0.16	0.11	0.08	0.08	0.10	0.09	0.11	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.17	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.12	0.10	0.10	0.12	0.14	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.11	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.16	0.11	0.09	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.15	0.17	0.16	0.13	0.12	0.12	0.14	0.15	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.09	0.08	0.07	0.06	0.06	0.06	0.14	0.19
CRMS 0224	0.17	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.20	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

V3PR8 HYST - cy 0 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02	0.01
CRMS0276 - Just east of Wilkinson Canal	0.11	0.09	0.07	0.09	0.08	0.08	0.06	0.07	0.10	0.08	0.10	0.11
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.14	0.13	0.13	0.10	0.07	0.07	0.09	0.08	0.13	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.05	0.00	0.00	0.00	0.00	0.03	0.03	0.04	0.04	0.04	0.07	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.02	0.01	0.01	0.01	0.05	0.08	0.09	0.12	0.13	0.16	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.01	0.01	0.01	0.01	0.04	0.06	0.06	0.06	0.07	0.11	0.08
USGS 07380335 - Little Lake Near Cutoff	0.09	0.02	0.01	0.01	0.01	0.04	0.06	0.07	0.07	0.07	0.10	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.06	0.05	0.04	0.03	0.05	0.06	0.06	0.07	0.07	0.11	0.14
HWQ14 - Lake Washington	0.14	0.09	0.07	0.05	0.04	0.05	0.08	0.09	0.10	0.12	0.16	0.18
HWQ16 - Bayou Grand Liard	0.10	0.06	0.05	0.04	0.03	0.06	0.08	0.08	0.09	0.07	0.09	0.11
CRMS 3985	0.14	0.07	0.04	0.04	0.03	0.05	0.08	0.13	0.15	0.16	0.18	0.17
CRMS 0258	0.09	0.03	0.02	0.03	0.03	0.06	0.08	0.06	0.05	0.05	0.12	0.09
CRMS 0224	0.08	0.02	0.01	0.01	0.01	0.05	0.06	0.05	0.05	0.05	0.09	0.08
CRMS 0163	0.18	0.21	0.21	0.21	0.22	0.15	0.13	0.13	0.14	0.14	0.17	0.19
CRMS 0162	0.21	0.27	0.28	0.28	0.29	0.21	0.20	0.19	0.18	0.17	0.19	0.22

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.15	-0.19	-0.17	-0.11	-0.06	-0.05	-0.06	-0.07	-0.06	-0.06	-0.13	-0.19
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.07	-0.09	-0.07	-0.08	-0.03	-0.01	-0.01	0.00	-0.01	-0.01	-0.03
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.01	-0.04	-0.06	-0.06	-0.05	-0.05	-0.05	-0.04	-0.03	-0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.14	-0.19	-0.17	-0.09	-0.06	-0.02	-0.02	-0.02	-0.02	-0.02	-0.08	-0.17
USGS7380251 Barataria Bay North of Grand Isle	-0.06	-0.15	-0.15	-0.11	-0.08	-0.05	-0.04	-0.05	-0.02	0.00	0.00	-0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.08	-0.17	-0.16	-0.11	-0.08	-0.04	-0.03	-0.05	-0.04	-0.03	-0.02	-0.10
USGS 07380335 - Little Lake Near Cutoff	-0.06	-0.15	-0.15	-0.10	-0.08	-0.04	-0.03	-0.03	-0.04	-0.03	-0.02	-0.07
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.10	-0.11	-0.07	-0.05	-0.03	-0.03	-0.04	-0.05	-0.03	-0.02	-0.03
HWQ14 - Lake Washington	-0.02	-0.08	-0.10	-0.07	-0.06	-0.05	-0.05	-0.06	-0.03	-0.01	0.00	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.07	-0.10	-0.09	-0.10	-0.04	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 3985	-0.01	-0.10	-0.12	-0.10	-0.09	-0.07	-0.06	-0.02	0.01	0.03	0.03	-0.01
CRMS 0258	-0.08	-0.14	-0.13	-0.09	-0.06	-0.01	0.01	0.00	-0.01	0.00	-0.03	-0.10
CRMS 0224	-0.09	-0.15	-0.14	-0.08	-0.05	-0.01	0.00	-0.01	-0.02	-0.02	-0.03	-0.10
CRMS 0163	0.01	0.02	0.03	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 0162	0.01	0.04	0.04	0.04	0.05	0.01	0.00	0.00	0.00	0.00	0.00	0.02

Figure WQ TOTP 32 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.19	0.13	0.07	0.06	0.08	0.09	0.08	0.09	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.08	0.08	0.09	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.19	0.12	0.06	0.05	0.06	0.07	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.10	0.10	0.10	0.12	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.11	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.07	0.09	0.09	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.07	0.09	0.09	0.11	0.11	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.10	0.11	0.12	0.13	0.13	0.16	0.18
CRMS 0258	0.19	0.18	0.18	0.12	0.08	0.05	0.06	0.06	0.06	0.06	0.15	0.19
CRMS 0224	0.18	0.18	0.16	0.10	0.05	0.05	0.06	0.07	0.08	0.07	0.13	0.18
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.10	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

V3PR8 HYST - cy 0 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.21	0.20	0.22	0.18	0.17	0.16	0.16	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.12	0.11	0.08	0.07	0.08	0.09	0.10	0.11	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.15	0.11	0.10	0.09	0.07	0.08	0.09	0.09	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.20	0.19	0.16	0.19	0.10	0.11	0.10	0.10	0.11	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.18	0.14	0.15	0.08	0.10	0.12	0.14	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.18	0.14	0.17	0.07	0.08	0.09	0.10	0.10	0.15	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.18	0.16	0.13	0.16	0.07	0.08	0.09	0.10	0.10	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.13	0.12	0.07	0.08	0.09	0.11	0.11	0.14	0.18
HWQ14 - Lake Washington	0.16	0.17	0.17	0.13	0.12	0.09	0.12	0.13	0.14	0.14	0.17	0.19
HWQ16 - Bayou Grand Liard	0.10	0.14	0.13	0.12	0.11	0.09	0.08	0.08	0.09	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.12	0.09	0.13	0.16	0.15	0.15	0.17	0.18
CRMS 0258	0.17	0.17	0.17	0.12	0.12	0.06	0.06	0.06	0.06	0.07	0.15	0.18
CRMS 0224	0.16	0.17	0.15	0.12	0.12	0.06	0.06	0.06	0.07	0.08	0.13	0.17
CRMS 0163	0.15	0.18	0.17	0.15	0.14	0.12	0.10	0.10	0.12	0.14	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.18	0.19	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.02	0.02	0.07	0.15	0.12	0.09	0.07	0.08	0.09	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.02	-0.05	-0.06	-0.04	-0.02	-0.02	-0.02	-0.04	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	0.00	0.05	0.14	0.05	0.05	0.04	0.04	0.05	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.01	0.05	-0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.01	0.02	0.09	0.00	-0.02	-0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.00	0.02	0.08	0.00	-0.01	-0.01	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	-0.01	0.01	0.03	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.00	0.02	0.00	0.00	0.01	0.02	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.00	0.01	-0.01	0.02	0.03	0.02	0.02	0.01	0.00
CRMS 0258	-0.03	-0.02	-0.01	0.00	0.04	0.01	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.01	-0.01	0.02	0.06	0.01	0.00	0.00	-0.01	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 33 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.17	0.11	0.06	0.06	0.07	0.07	0.06	0.07	0.16	0.21
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.13	0.12	0.09	0.09	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.14	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.11	0.11	0.12	0.13	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.16	0.11	0.08	0.08	0.10	0.09	0.09	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.15	0.11	0.08	0.08	0.10	0.10	0.10	0.09	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.11	0.12	0.11	0.12	0.12	0.16	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.12	0.11	0.11	0.10	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.17	0.16	0.14	0.12	0.12	0.12	0.13	0.13	0.14	0.17	0.18
CRMS 0258	0.19	0.17	0.16	0.11	0.09	0.09	0.09	0.09	0.06	0.06	0.14	0.20
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.19
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

V3PR8 HYST - cy 0 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.18	0.19	0.19
CRMS0276 - Just east of Wilkinson Canal	0.15	0.16	0.16	0.15	0.14	0.14	0.13	0.12	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.14	0.12	0.11	0.11	0.09	0.09	0.11	0.09	0.11	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.25	0.23	0.24	0.24	0.23	0.23	0.17	0.10	0.12	0.18	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.21	0.20	0.20	0.20	0.19	0.18	0.14	0.12	0.14	0.19	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.21	0.15	0.09	0.10	0.15	0.20
USGS 07380335 - Little Lake Near Cutoff	0.19	0.22	0.20	0.21	0.20	0.20	0.19	0.15	0.09	0.09	0.13	0.17
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.17	0.16	0.14	0.14	0.14	0.13	0.09	0.10	0.14	0.18
HWQ14 - Lake Washington	0.16	0.17	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.13	0.18	0.20
HWQ16 - Bayou Grand Liard	0.15	0.18	0.16	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.12
CRMS 3985	0.16	0.18	0.17	0.16	0.16	0.15	0.14	0.13	0.13	0.16	0.18	0.19
CRMS 0258	0.18	0.19	0.18	0.18	0.17	0.17	0.17	0.12	0.07	0.06	0.15	0.20
CRMS 0224	0.18	0.20	0.18	0.19	0.17	0.17	0.16	0.11	0.07	0.07	0.14	0.18
CRMS 0163	0.18	0.19	0.17	0.17	0.16	0.16	0.14	0.14	0.15	0.15	0.16	0.18
CRMS 0162	0.21	0.23	0.21	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.08	0.07	0.14	0.19	0.19	0.17	0.14	0.12	0.10	0.03	-0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	0.00	0.01	0.05	0.03	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.04	-0.07	-0.07	-0.06	-0.06	-0.06	-0.03	-0.03	-0.04	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.06	0.07	0.15	0.18	0.18	0.18	0.11	0.05	0.06	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.03	0.07	0.10	0.08	0.07	0.04	-0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.03	0.05	0.05	0.11	0.13	0.13	0.10	0.06	-0.01	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.04	0.05	0.05	0.09	0.12	0.12	0.09	0.06	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.01	0.05	0.06	0.06	0.03	0.03	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.03	0.04	0.02	0.00	0.01	-0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.01	0.00	0.00	0.00	0.00
CRMS 3985	0.01	0.01	0.00	0.03	0.04	0.03	0.02	0.01	0.00	0.02	0.02	0.01
CRMS 0258	-0.01	0.02	0.02	0.07	0.08	0.08	0.08	0.03	0.00	0.01	0.01	0.00
CRMS 0224	0.00	0.03	0.03	0.10	0.12	0.11	0.10	0.05	0.00	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 34 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.20	0.18	0.11	0.06	0.06	0.07	0.07	0.07	0.08	0.15	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.15	0.16	0.15	0.09	0.09	0.11	0.10	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.19	0.20	0.19	0.16	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.20	0.18	0.10	0.06	0.05	0.05	0.06	0.05	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.12	0.09	0.10	0.11	0.13	0.14	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.11	0.08	0.07	0.09	0.10	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.17	0.11	0.08	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.09	0.10	0.12	0.13	0.14	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.13	0.13	0.13	0.11	0.11	0.10	0.09	0.09	0.13
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.11	0.14	0.16	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.19	0.17	0.12	0.09	0.09	0.09	0.08	0.05	0.06	0.14	0.18
CRMS 0224	0.17	0.17	0.17	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.16	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

V3PR8 HYST - cy 0 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.25	0.26	0.28	0.27	0.24	0.19	0.18	0.17	0.19	0.25
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.15	0.15	0.17	0.16	0.14	0.10	0.11	0.10	0.11	0.16
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.12	0.13	0.13	0.09	0.09	0.10	0.09	0.13	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.24	0.25	0.27	0.26	0.23	0.13	0.10	0.12	0.17	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.18	0.20	0.21	0.23	0.22	0.18	0.11	0.12	0.14	0.18	0.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.22	0.22	0.25	0.24	0.21	0.10	0.08	0.10	0.15	0.22
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.21	0.21	0.23	0.22	0.19	0.11	0.09	0.10	0.13	0.20
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.18	0.16	0.16	0.16	0.14	0.10	0.09	0.10	0.14	0.19
HWQ14 - Lake Washington	0.15	0.18	0.17	0.15	0.15	0.15	0.13	0.11	0.11	0.14	0.17	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.17	0.17	0.18	0.17	0.14	0.11	0.10	0.09	0.10	0.16
CRMS 3985	0.15	0.17	0.18	0.17	0.18	0.18	0.14	0.13	0.14	0.16	0.18	0.19
CRMS 0258	0.15	0.19	0.19	0.18	0.20	0.20	0.17	0.09	0.06	0.06	0.15	0.19
CRMS 0224	0.15	0.17	0.19	0.19	0.21	0.21	0.16	0.08	0.07	0.07	0.13	0.19
CRMS 0163	0.17	0.18	0.18	0.18	0.20	0.19	0.14	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.22	0.25	0.24	0.22	0.20	0.19	0.18	0.18	0.22

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.02	0.07	0.15	0.22	0.21	0.17	0.12	0.10	0.10	0.04	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	0.01	0.05	0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.01	-0.06	-0.07	-0.06	-0.06	-0.05	-0.03	-0.03	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	0.06	0.15	0.22	0.21	0.17	0.07	0.05	0.06	0.04	0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	0.03	0.08	0.14	0.12	0.07	-0.02	-0.02	0.02	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.05	0.11	0.17	0.16	0.11	0.00	-0.02	0.00	0.02	0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.04	0.09	0.15	0.14	0.10	0.01	-0.02	0.00	0.01	0.04
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.00	0.01	0.05	0.08	0.08	0.05	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.01	0.00	0.00	0.03	0.06	0.05	0.01	-0.02	-0.03	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.03	0.04	0.05	0.04	0.03	0.00	0.00	0.00	0.00	0.03
CRMS 3985	0.00	0.00	0.01	0.04	0.08	0.06	0.01	-0.03	-0.01	0.02	0.02	0.01
CRMS 0258	-0.02	0.00	0.02	0.07	0.11	0.10	0.08	0.01	0.00	0.01	0.01	0.00
CRMS 0224	-0.02	0.00	0.02	0.10	0.15	0.15	0.11	0.01	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 35 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.18	0.12	0.06	0.06	0.07	0.08	0.07	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.14	0.14	0.11	0.08	0.08	0.10	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.17	0.17	0.17	0.18	0.16	0.11	0.10	0.12	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.21	0.18	0.11	0.05	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.09	0.10	0.11	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.08	0.10	0.09	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.13	0.09	0.10	0.12	0.12	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.12	0.12	0.10	0.09	0.08	0.10	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.10	0.11	0.12	0.13	0.13	0.14	0.16	0.18
CRMS 0258	0.19	0.19	0.17	0.12	0.08	0.09	0.06	0.06	0.06	0.06	0.14	0.21
CRMS 0224	0.18	0.18	0.17	0.09	0.06	0.05	0.06	0.06	0.07	0.07	0.13	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.12	0.11	0.14	0.16	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

V3PR9 HYST - cy 0 - 1970 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.21	0.18	0.12	0.07	0.06	0.07	0.09	0.08	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.14	0.13	0.13	0.11	0.08	0.08	0.10	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.16	0.12	0.12	0.11	0.08	0.08	0.09	0.09	0.13	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.21	0.19	0.11	0.05	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.10	0.09	0.12	0.14	0.13	0.13	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.17	0.12	0.08	0.07	0.09	0.11	0.11	0.11	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.07	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.07	0.09	0.10	0.12	0.11	0.13	0.16
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.10	0.10	0.12	0.15	0.14	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.11	0.11	0.10	0.09	0.08	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.10	0.13	0.14	0.13	0.13	0.15	0.18
CRMS 0258	0.19	0.19	0.17	0.12	0.08	0.08	0.06	0.06	0.06	0.07	0.15	0.20
CRMS 0224	0.18	0.18	0.17	0.10	0.06	0.05	0.06	0.06	0.08	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.17	0.17	0.18	0.15	0.11	0.11	0.13	0.15	0.17	0.17
CRMS 0162	0.19	0.19	0.20	0.21	0.23	0.21	0.19	0.18	0.16	0.19	0.19	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.01	-0.06	-0.06	-0.05	-0.03	-0.03	-0.02	-0.04	-0.04	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.02	0.01	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.01	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	0.02	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.01	0.02	0.02	0.01	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 36 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.06	0.06	0.07	0.08	0.08	0.08	0.15	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.16	0.16	0.11	0.08	0.08	0.10	0.09	0.11	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.12	0.11	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.17	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.12	0.10	0.10	0.12	0.14	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.11	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.16	0.11	0.09	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.15	0.17	0.16	0.13	0.12	0.12	0.14	0.15	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.09	0.08	0.07	0.06	0.06	0.06	0.14	0.19
CRMS 0224	0.17	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.18	0.19	0.19	0.15	0.13	0.12	0.14	0.14	0.17	0.18
CRMS 0162	0.20	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

V3PR9 HYST - cy 0 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.06	0.06	0.07	0.09	0.07	0.08	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.15	0.15	0.15	0.11	0.08	0.09	0.11	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.14	0.13	0.14	0.11	0.08	0.08	0.10	0.09	0.14	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.17	0.10	0.06	0.05	0.05	0.06	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.17	0.13	0.10	0.11	0.13	0.13	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.09	0.12	0.10	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.11	0.08	0.08	0.09	0.11	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.17	0.16	0.11	0.09	0.08	0.09	0.11	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.10	0.11	0.13	0.15	0.13	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.13	0.10	0.09	0.10	0.10	0.08	0.09	0.12
CRMS 3985	0.15	0.17	0.16	0.14	0.12	0.12	0.14	0.13	0.13	0.13	0.16	0.18
CRMS 0258	0.17	0.17	0.16	0.11	0.09	0.08	0.06	0.06	0.06	0.06	0.14	0.18
CRMS 0224	0.17	0.17	0.15	0.09	0.06	0.06	0.06	0.07	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.18	0.19	0.19	0.14	0.13	0.12	0.14	0.13	0.17	0.18
CRMS 0162	0.20	0.23	0.24	0.23	0.24	0.20	0.20	0.19	0.18	0.17	0.18	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.00	0.00	-0.02
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.02	-0.04	-0.06	-0.06	-0.04	-0.04	-0.04	-0.03	-0.03	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 37 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.19	0.13	0.07	0.06	0.08	0.09	0.08	0.09	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.14	0.13	0.11	0.09	0.08	0.08	0.09	0.10	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.19	0.12	0.06	0.05	0.06	0.07	0.06	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.10	0.10	0.10	0.12	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.12	0.08	0.08	0.10	0.10	0.10	0.11	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.07	0.09	0.09	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.07	0.09	0.09	0.11	0.11	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.10	0.11	0.12	0.13	0.13	0.16	0.18
CRMS 0258	0.19	0.18	0.18	0.12	0.08	0.05	0.06	0.06	0.06	0.06	0.15	0.19
CRMS 0224	0.18	0.18	0.16	0.10	0.05	0.05	0.06	0.07	0.08	0.07	0.13	0.18
CRMS 0163	0.15	0.17	0.17	0.16	0.15	0.13	0.11	0.10	0.13	0.15	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

V3PR9 HYST - cy 0 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.20	0.19	0.13	0.07	0.06	0.08	0.10	0.08	0.09	0.16	0.20
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.13	0.12	0.11	0.09	0.08	0.08	0.09	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.15	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.20	0.19	0.12	0.06	0.05	0.06	0.07	0.06	0.06	0.15	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.13	0.10	0.09	0.10	0.12	0.13	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.17	0.12	0.08	0.07	0.09	0.10	0.10	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.07	0.09	0.09	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.12	0.08	0.07	0.09	0.09	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.13	0.13	0.16	0.19
HWQ16 - Bayou Grand Liard	0.10	0.13	0.13	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.12
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.10	0.11	0.13	0.13	0.13	0.16	0.18
CRMS 0258	0.19	0.18	0.18	0.12	0.08	0.05	0.05	0.06	0.06	0.07	0.15	0.18
CRMS 0224	0.18	0.18	0.17	0.10	0.05	0.05	0.06	0.06	0.08	0.08	0.13	0.18
CRMS 0163	0.15	0.18	0.17	0.15	0.14	0.12	0.10	0.10	0.12	0.14	0.18	0.18
CRMS 0162	0.17	0.20	0.19	0.19	0.20	0.18	0.18	0.17	0.15	0.19	0.19	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.02	-0.05	-0.06	-0.04	-0.02	-0.02	-0.02	-0.04	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 38 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.17	0.11	0.06	0.06	0.07	0.07	0.06	0.07	0.16	0.21
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.15	0.13	0.12	0.09	0.09	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.14	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.11	0.11	0.12	0.13	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.16	0.11	0.08	0.08	0.10	0.09	0.09	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.15	0.11	0.08	0.08	0.10	0.10	0.10	0.09	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.09	0.10	0.10	0.13	0.17
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.11	0.12	0.11	0.12	0.12	0.16	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.12	0.11	0.11	0.10	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.17	0.16	0.14	0.12	0.12	0.12	0.13	0.13	0.14	0.17	0.18
CRMS 0258	0.19	0.17	0.16	0.11	0.09	0.09	0.09	0.09	0.06	0.06	0.14	0.20
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.06	0.06	0.12	0.19
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.17	0.15	0.14	0.16	0.15	0.17	0.17
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

V3PR9 HYST - cy 0 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.19	0.17	0.11	0.06	0.06	0.07	0.07	0.06	0.08	0.15	0.21
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.15	0.14	0.12	0.12	0.09	0.09	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.14	0.12	0.11	0.12	0.09	0.09	0.11	0.09	0.11	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.10	0.05	0.05	0.05	0.05	0.05	0.06	0.14	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.11	0.11	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.16	0.11	0.08	0.08	0.10	0.09	0.09	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.17	0.16	0.11	0.08	0.08	0.10	0.10	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.10	0.09	0.11	0.10	0.13	0.16
HWQ14 - Lake Washington	0.17	0.18	0.17	0.13	0.10	0.11	0.12	0.12	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.12	0.11	0.11	0.10	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.15	0.16	0.16	0.14	0.12	0.12	0.12	0.13	0.13	0.14	0.16	0.18
CRMS 0258	0.19	0.17	0.16	0.11	0.08	0.09	0.09	0.09	0.06	0.06	0.14	0.19
CRMS 0224	0.18	0.17	0.15	0.09	0.05	0.05	0.06	0.06	0.06	0.07	0.12	0.18
CRMS 0163	0.18	0.19	0.18	0.18	0.17	0.16	0.15	0.14	0.15	0.15	0.17	0.18
CRMS 0162	0.21	0.24	0.22	0.22	0.22	0.22	0.22	0.21	0.19	0.19	0.18	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.04	-0.06	-0.06	-0.05	-0.06	-0.05	-0.03	-0.03	-0.04	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 39 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.20	0.18	0.11	0.06	0.06	0.07	0.07	0.07	0.08	0.15	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.15	0.16	0.15	0.09	0.09	0.11	0.10	0.11	0.15
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.19	0.20	0.19	0.16	0.14	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.20	0.18	0.10	0.06	0.05	0.05	0.06	0.05	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.12	0.09	0.10	0.11	0.13	0.14	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.11	0.08	0.07	0.09	0.10	0.11	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.17	0.11	0.08	0.08	0.09	0.10	0.12	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.09	0.10	0.12	0.13	0.14	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.13	0.13	0.13	0.11	0.11	0.10	0.09	0.09	0.13
CRMS 3985	0.15	0.17	0.17	0.13	0.11	0.11	0.14	0.16	0.14	0.13	0.16	0.18
CRMS 0258	0.17	0.19	0.17	0.12	0.09	0.09	0.09	0.08	0.05	0.06	0.14	0.18
CRMS 0224	0.17	0.17	0.17	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.12	0.18
CRMS 0163	0.17	0.17	0.18	0.18	0.20	0.19	0.16	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

V3PR9 HYST - cy 0 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.20	0.18	0.11	0.06	0.06	0.07	0.07	0.07	0.08	0.15	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.13	0.14	0.15	0.14	0.09	0.09	0.11	0.10	0.11	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.13	0.14	0.14	0.10	0.09	0.10	0.09	0.13	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.20	0.18	0.10	0.06	0.05	0.05	0.05	0.05	0.06	0.14	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.18	0.17	0.12	0.09	0.10	0.11	0.11	0.13	0.13	0.16	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.17	0.11	0.07	0.07	0.10	0.09	0.09	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.08	0.08	0.10	0.10	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.17	0.12	0.08	0.08	0.10	0.09	0.11	0.10	0.13	0.17
HWQ14 - Lake Washington	0.16	0.18	0.17	0.12	0.09	0.10	0.12	0.12	0.12	0.13	0.15	0.19
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.13	0.13	0.13	0.11	0.11	0.10	0.09	0.09	0.13
CRMS 3985	0.15	0.17	0.17	0.13	0.10	0.11	0.12	0.13	0.13	0.13	0.16	0.18
CRMS 0258	0.17	0.19	0.17	0.12	0.09	0.09	0.09	0.08	0.05	0.06	0.14	0.18
CRMS 0224	0.17	0.17	0.17	0.09	0.06	0.06	0.06	0.06	0.06	0.07	0.12	0.18
CRMS 0163	0.17	0.18	0.18	0.18	0.20	0.19	0.15	0.14	0.15	0.14	0.17	0.18
CRMS 0162	0.18	0.18	0.22	0.23	0.25	0.25	0.22	0.20	0.19	0.18	0.18	0.22

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.01	-0.06	-0.06	-0.05	-0.06	-0.05	-0.03	-0.03	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.02	-0.02	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.01	0.00	0.00	0.00
CRMS 0258	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 40 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.15	0.09	0.06	0.06	0.07	0.10	0.08	0.08	0.13	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.09	0.09	0.10	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.21	0.21	0.19	0.16	0.14	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.08	0.06	0.05	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.09	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.15	0.14	0.11	0.09	0.10	0.11	0.13	0.12	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.12	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.14	0.12	0.11	0.12	0.14	0.16	0.13	0.12	0.13	0.14
CRMS 0258	0.16	0.14	0.14	0.11	0.08	0.08	0.07	0.06	0.05	0.06	0.12	0.16
CRMS 0224	0.16	0.15	0.13	0.09	0.07	0.06	0.06	0.06	0.07	0.07	0.11	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.22	0.19	0.15	0.13	0.15	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.17	0.17	0.17	0.16	0.17

V3PR2 HYST - cy 1 - 1975 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.24	0.25	0.27	0.26	0.23	0.20	0.18	0.17	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.14	0.17	0.16	0.13	0.09	0.09	0.11	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.21	0.21	0.19	0.16	0.14	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.21	0.23	0.25	0.24	0.22	0.16	0.12	0.10	0.11	0.14	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.17	0.18	0.18	0.15	0.12	0.12	0.14	0.14	0.15	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.18	0.19	0.20	0.17	0.12	0.09	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.16	0.17	0.18	0.15	0.12	0.09	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.15	0.14	0.14	0.11	0.10	0.09	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.14	0.15	0.13	0.13	0.12	0.12	0.11	0.12	0.13	0.15	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.14	0.14	0.12	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.14	0.15	0.14	0.14	0.12	0.13	0.15	0.15	0.14	0.15	0.14
CRMS 0258	0.14	0.13	0.14	0.14	0.13	0.10	0.08	0.06	0.06	0.06	0.13	0.16
CRMS 0224	0.14	0.14	0.15	0.15	0.14	0.11	0.08	0.07	0.07	0.08	0.12	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.21	0.19	0.15	0.13	0.16	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.18	0.17	0.17	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.11	0.17	0.20	0.17	0.13	0.08	0.08	0.09	0.04	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.05	0.09	0.17	0.19	0.16	0.11	0.06	0.04	0.05	0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.03	0.07	0.09	0.04	0.00	-0.03	0.01	0.02	0.02	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.04	0.09	0.11	0.09	0.03	-0.02	-0.01	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.03	0.06	0.09	0.07	0.02	0.00	-0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.01	0.03	0.05	0.03	0.01	-0.01	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.02	0.04	0.02	0.00	-0.02	0.00	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.01	0.01	0.02	0.03	0.00	-0.01	0.00	0.02	0.02	0.02	0.00
CRMS 0258	-0.02	-0.01	0.01	0.04	0.05	0.02	0.01	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.03	-0.01	0.02	0.06	0.07	0.05	0.02	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 41 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.08	0.11	0.08	0.08	0.14	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.16	0.17	0.18	0.13	0.08	0.09	0.10	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.21	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.09	0.06	0.05	0.05	0.07	0.06	0.06	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.10	0.11	0.13	0.15	0.13	0.12	0.14	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.14	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.11	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.15	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.14	0.11	0.09	0.10	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.14	0.15	0.13	0.12	0.13	0.15	0.14	0.13	0.12	0.12	0.12
CRMS 0258	0.16	0.15	0.15	0.11	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.15
CRMS 0224	0.16	0.15	0.14	0.10	0.07	0.06	0.06	0.08	0.08	0.07	0.11	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.17	0.16	0.15	0.16	0.18

V3PR2 HYST - cy 1 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.25	0.26	0.26	0.27	0.20	0.19	0.18	0.16	0.16	0.17	0.20
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.16	0.17	0.17	0.13	0.08	0.09	0.10	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.20	0.21	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.22	0.24	0.24	0.25	0.15	0.13	0.12	0.10	0.11	0.14	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.18	0.18	0.19	0.12	0.11	0.13	0.14	0.14	0.16	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.19	0.19	0.20	0.12	0.09	0.09	0.10	0.11	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.18	0.18	0.18	0.12	0.09	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.16	0.14	0.14	0.10	0.09	0.10	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.15	0.15	0.14	0.13	0.11	0.11	0.12	0.13	0.13	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.15	0.12	0.09	0.09	0.09	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.16	0.15	0.14	0.12	0.14	0.16	0.15	0.15	0.15	0.14
CRMS 0258	0.13	0.14	0.16	0.15	0.14	0.08	0.07	0.06	0.06	0.06	0.13	0.15
CRMS 0224	0.14	0.15	0.16	0.15	0.14	0.08	0.07	0.07	0.08	0.08	0.12	0.14
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.15
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.18	0.16	0.15	0.16	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.16	0.20	0.14	0.11	0.07	0.08	0.08	0.03	0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.05	0.09	0.15	0.19	0.10	0.08	0.05	0.04	0.05	0.01	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.03	0.06	0.09	0.01	-0.02	-0.01	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.02	0.05	0.08	0.12	0.04	0.00	-0.03	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.04	0.06	0.09	0.03	0.00	-0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.03	0.05	0.02	0.00	-0.02	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.02	0.03	0.01	-0.01	-0.03	0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.01	0.01	0.02	0.00	-0.01	0.02	0.02	0.02	0.03	0.02
CRMS 0258	-0.03	-0.01	0.01	0.04	0.05	0.00	0.01	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.02	-0.01	0.03	0.06	0.07	0.02	0.01	-0.01	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 42 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.09	0.06	0.06	0.08	0.10	0.08	0.09	0.13	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.12	0.12	0.09	0.07	0.08	0.09	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.11	0.11	0.13	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.08	0.05	0.05	0.06	0.08	0.06	0.07	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.10	0.08	0.10	0.11	0.12	0.12	0.12	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.09	0.08	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.10	0.08	0.10	0.11	0.12	0.13	0.12	0.11	0.12
CRMS 0258	0.17	0.14	0.13	0.09	0.07	0.05	0.05	0.06	0.05	0.05	0.12	0.14
CRMS 0224	0.16	0.15	0.13	0.08	0.06	0.05	0.07	0.07	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.16	0.17	0.17

V3PR2 HYST - cy 1 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.20	0.19	0.18	0.21	0.17	0.16	0.16	0.15	0.16	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.12	0.11	0.09	0.07	0.08	0.09	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.12	0.12	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.17	0.15	0.13	0.17	0.10	0.11	0.11	0.10	0.10	0.12	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.14	0.11	0.12	0.09	0.11	0.13	0.14	0.13	0.14	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.13	0.11	0.12	0.08	0.09	0.09	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.12	0.10	0.11	0.08	0.09	0.09	0.10	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.13	0.12	0.10	0.09	0.07	0.09	0.09	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.14	0.13	0.10	0.09	0.09	0.11	0.12	0.13	0.13	0.14	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.10	0.10	0.09	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.14	0.11	0.10	0.11	0.14	0.16	0.15	0.14	0.14	0.14
CRMS 0258	0.16	0.13	0.12	0.09	0.08	0.05	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.12	0.11	0.09	0.08	0.06	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.12	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.17	0.17	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.04	0.04	0.09	0.15	0.11	0.08	0.06	0.07	0.08	0.05	0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	0.01	0.05	0.12	0.05	0.05	0.03	0.04	0.04	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.01	0.04	-0.01	0.00	0.01	0.02	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.02	0.00	0.01	0.05	0.00	-0.01	0.00	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.01	0.01	0.04	0.00	-0.01	0.00	0.00	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.01	0.00	0.02	0.00	-0.01	0.00	0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.02	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.01	0.02	0.00	0.02	0.04	0.02	0.02	0.03	0.01
CRMS 0258	-0.02	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.02	0.01	0.03	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 43 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.17	0.10	0.06	0.06	0.07	0.07	0.08	0.08	0.14	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.15	0.14	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.17	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.16	0.09	0.05	0.05	0.05	0.05	0.06	0.06	0.12	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.13	0.14	0.14	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.08	0.08	0.10	0.10	0.11	0.10	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.10	0.12	0.13	0.13	0.12	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.13	0.15	0.17	0.14	0.13	0.14	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.08	0.08	0.08	0.06	0.06	0.12	0.17
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.11	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.16	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.22	0.20	0.18	0.17	0.15	0.17

V3PR2 HYST - cy 1 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.24	0.24	0.23	0.20	0.17	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.14	0.13	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.17	0.16	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.24	0.22	0.23	0.22	0.22	0.22	0.16	0.10	0.11	0.15	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.17	0.17	0.15	0.14	0.13	0.12	0.13	0.17	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.19	0.19	0.18	0.17	0.17	0.16	0.13	0.09	0.10	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.18	0.18	0.17	0.15	0.16	0.15	0.13	0.10	0.09	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.14	0.12	0.11	0.12	0.11	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.16	0.16	0.17	0.14	0.12	0.12	0.12	0.12	0.11	0.12	0.15	0.17
HWQ16 - Bayou Grand Liard	0.12	0.15	0.15	0.13	0.12	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.18	0.15	0.13	0.12	0.12	0.14	0.14	0.15	0.17	0.15
CRMS 0258	0.17	0.16	0.17	0.14	0.11	0.11	0.11	0.10	0.06	0.06	0.13	0.17
CRMS 0224	0.17	0.17	0.17	0.14	0.11	0.12	0.12	0.09	0.07	0.07	0.12	0.15
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.17	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.22	0.20	0.18	0.18	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.07	0.14	0.18	0.18	0.16	0.13	0.10	0.09	0.03	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.05	0.06	0.14	0.17	0.17	0.17	0.10	0.05	0.05	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.01	0.04	0.06	0.04	0.01	-0.01	-0.02	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.02	0.03	0.07	0.08	0.09	0.07	0.03	-0.01	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	0.02	0.02	0.05	0.06	0.07	0.05	0.03	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.03	0.03	0.03	0.02	0.01	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.01	0.02	0.01	0.00	-0.01	-0.03	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.03	-0.01	0.02	0.02	0.01
CRMS 0258	-0.02	0.00	0.01	0.03	0.03	0.03	0.03	0.02	0.00	0.00	0.01	0.00
CRMS 0224	-0.01	0.00	0.02	0.05	0.05	0.06	0.06	0.03	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 44 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.09	0.06	0.06	0.07	0.07	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.17	0.11	0.10	0.12	0.10	0.10	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.16	0.19	0.21	0.23	0.19	0.16	0.15	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.08	0.06	0.06	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.14	0.10	0.09	0.10	0.13	0.14	0.14	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.10	0.09	0.08	0.10	0.10	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.13	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.14	0.12	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.10	0.12	0.15	0.17	0.14	0.13	0.12	0.13
CRMS 0258	0.16	0.17	0.14	0.10	0.09	0.09	0.08	0.08	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.16	0.14	0.09	0.07	0.07	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.16	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.16	0.21

V3PR2 HYST - cy 1 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.24	0.25	0.28	0.27	0.23	0.19	0.17	0.16	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.15	0.16	0.16	0.11	0.10	0.12	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.16	0.19	0.21	0.23	0.19	0.16	0.16	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.22	0.23	0.25	0.26	0.22	0.13	0.10	0.11	0.14	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.15	0.16	0.18	0.18	0.15	0.12	0.13	0.14	0.16	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.16	0.17	0.19	0.21	0.17	0.10	0.09	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.16	0.17	0.19	0.16	0.11	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.14	0.12	0.12	0.13	0.13	0.11	0.10	0.10	0.13	0.14
HWQ14 - Lake Washington	0.15	0.16	0.14	0.12	0.11	0.12	0.13	0.12	0.11	0.13	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.13	0.11	0.10	0.09	0.09	0.12
CRMS 3985	0.14	0.14	0.13	0.12	0.12	0.14	0.13	0.15	0.15	0.15	0.16	0.14
CRMS 0258	0.14	0.16	0.13	0.13	0.13	0.14	0.12	0.09	0.06	0.06	0.13	0.14
CRMS 0224	0.14	0.15	0.13	0.14	0.13	0.16	0.13	0.08	0.07	0.08	0.12	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.17	0.15	0.15	0.17
CRMS 0162	0.17	0.15	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.16	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.02	0.10	0.16	0.22	0.21	0.16	0.12	0.09	0.08	0.04	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.04	0.06	0.15	0.20	0.20	0.17	0.08	0.05	0.05	0.02	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.06	0.09	0.07	0.02	-0.02	-0.01	0.02	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.02	0.08	0.12	0.13	0.08	0.00	-0.01	0.00	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.01	0.05	0.08	0.11	0.06	0.01	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.03	0.04	0.05	0.03	0.01	-0.02	0.00	0.02	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.02	0.03	0.03	0.02	-0.01	-0.02	0.00	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.01	0.00	0.00	0.02	0.03	0.02	-0.01	-0.02	0.00	0.03	0.05	0.01
CRMS 0258	-0.03	-0.01	0.00	0.03	0.04	0.05	0.04	0.01	0.00	0.00	0.00	0.00
CRMS 0224	-0.02	-0.01	-0.01	0.05	0.06	0.09	0.06	0.01	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 45 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.15	0.09	0.06	0.06	0.07	0.10	0.08	0.08	0.13	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.09	0.09	0.10	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.21	0.21	0.19	0.16	0.14	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.08	0.06	0.05	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.09	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.15	0.14	0.11	0.09	0.10	0.11	0.13	0.12	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.12	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.14	0.12	0.11	0.12	0.14	0.16	0.13	0.12	0.13	0.14
CRMS 0258	0.16	0.14	0.14	0.11	0.08	0.08	0.07	0.06	0.05	0.06	0.12	0.16
CRMS 0224	0.16	0.15	0.13	0.09	0.07	0.06	0.06	0.06	0.07	0.07	0.11	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.22	0.19	0.15	0.13	0.15	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.17	0.17	0.17	0.16	0.17

V3PR3 HYST - cy 1 - 1975 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.24	0.25	0.27	0.26	0.23	0.20	0.18	0.17	0.17	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.14	0.17	0.16	0.13	0.09	0.08	0.11	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.16	0.18	0.21	0.21	0.18	0.16	0.14	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.21	0.22	0.24	0.24	0.21	0.15	0.11	0.09	0.10	0.14	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.17	0.18	0.18	0.15	0.12	0.12	0.13	0.13	0.15	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.18	0.19	0.20	0.17	0.12	0.09	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.16	0.17	0.18	0.15	0.11	0.09	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.15	0.14	0.13	0.11	0.10	0.09	0.10	0.10	0.12	0.15
HWQ14 - Lake Washington	0.15	0.14	0.15	0.13	0.13	0.12	0.12	0.11	0.12	0.12	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.14	0.14	0.12	0.10	0.09	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.15	0.14	0.14	0.12	0.13	0.15	0.14	0.14	0.15	0.14
CRMS 0258	0.14	0.13	0.14	0.14	0.13	0.10	0.08	0.06	0.06	0.06	0.13	0.16
CRMS 0224	0.14	0.14	0.15	0.15	0.14	0.11	0.08	0.07	0.07	0.08	0.12	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.22	0.19	0.15	0.13	0.16	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.18	0.17	0.17	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.11	0.17	0.20	0.17	0.13	0.08	0.09	0.09	0.04	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.04	0.08	0.16	0.18	0.16	0.10	0.04	0.04	0.04	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.03	0.07	0.09	0.04	0.00	-0.03	0.01	0.02	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.04	0.09	0.11	0.09	0.03	-0.02	-0.01	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.03	0.06	0.09	0.07	0.02	-0.01	-0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.01	0.03	0.05	0.03	0.01	-0.01	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.02	0.04	0.02	0.00	-0.02	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.01	0.01	0.02	0.03	0.00	-0.01	0.00	0.02	0.02	0.02	0.01
CRMS 0258	-0.02	-0.01	0.01	0.04	0.04	0.02	0.01	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.03	-0.01	0.02	0.06	0.07	0.05	0.02	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 46 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.08	0.11	0.08	0.08	0.14	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.16	0.17	0.18	0.13	0.08	0.09	0.10	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.21	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.09	0.06	0.05	0.05	0.07	0.06	0.06	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.10	0.11	0.13	0.15	0.13	0.12	0.14	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.14	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.11	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.15	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.14	0.11	0.09	0.10	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.14	0.15	0.13	0.12	0.13	0.15	0.14	0.13	0.12	0.12	0.12
CRMS 0258	0.16	0.15	0.15	0.11	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.15
CRMS 0224	0.16	0.15	0.14	0.10	0.07	0.06	0.06	0.08	0.08	0.07	0.11	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.17	0.16	0.15	0.16	0.18

V3PR3 HYST - cy 1 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.25	0.26	0.26	0.27	0.20	0.19	0.18	0.16	0.16	0.17	0.20
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.16	0.17	0.17	0.13	0.08	0.09	0.10	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.20	0.21	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.22	0.23	0.23	0.25	0.14	0.12	0.11	0.09	0.10	0.14	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.18	0.18	0.19	0.12	0.11	0.13	0.14	0.14	0.16	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.19	0.19	0.20	0.12	0.09	0.09	0.10	0.11	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.18	0.17	0.18	0.12	0.09	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.16	0.14	0.14	0.10	0.09	0.10	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.15	0.15	0.14	0.13	0.11	0.11	0.12	0.13	0.13	0.15	0.16
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.15	0.12	0.09	0.09	0.09	0.09	0.09	0.12
CRMS 3985	0.14	0.14	0.15	0.15	0.14	0.12	0.14	0.16	0.15	0.15	0.16	0.14
CRMS 0258	0.13	0.14	0.16	0.15	0.13	0.08	0.07	0.06	0.06	0.06	0.13	0.15
CRMS 0224	0.14	0.15	0.16	0.15	0.14	0.08	0.07	0.07	0.08	0.08	0.12	0.14
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.18	0.16	0.15	0.16	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.16	0.20	0.14	0.11	0.07	0.08	0.08	0.03	0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.04	0.09	0.15	0.19	0.09	0.06	0.04	0.03	0.04	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.03	0.06	0.09	0.01	-0.02	-0.02	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.02	0.05	0.08	0.12	0.04	-0.01	-0.03	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.04	0.06	0.09	0.03	0.00	-0.01	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.03	0.05	0.02	0.00	-0.02	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.02	0.03	0.01	-0.01	-0.03	0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.02	0.00	-0.01	0.02	0.02	0.03	0.04	0.02
CRMS 0258	-0.03	-0.01	0.01	0.03	0.05	0.00	0.01	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.02	-0.01	0.03	0.06	0.07	0.02	0.01	-0.01	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 47 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.09	0.06	0.06	0.08	0.10	0.08	0.09	0.13	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.12	0.12	0.09	0.07	0.08	0.09	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.11	0.11	0.13	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.08	0.05	0.05	0.06	0.08	0.06	0.07	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.10	0.08	0.10	0.11	0.12	0.12	0.12	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.09	0.08	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.10	0.08	0.10	0.11	0.12	0.13	0.12	0.11	0.12
CRMS 0258	0.17	0.14	0.13	0.09	0.07	0.05	0.05	0.06	0.05	0.05	0.12	0.14
CRMS 0224	0.16	0.15	0.13	0.08	0.06	0.05	0.07	0.07	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.16	0.17	0.17

V3PR3 HYST - cy 1 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.20	0.19	0.19	0.21	0.17	0.17	0.16	0.16	0.16	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.11	0.12	0.11	0.09	0.07	0.08	0.09	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.11	0.12	0.13	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.16	0.15	0.12	0.16	0.09	0.10	0.10	0.09	0.10	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.14	0.11	0.12	0.09	0.11	0.13	0.14	0.13	0.14	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.13	0.11	0.12	0.08	0.09	0.09	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.12	0.10	0.11	0.08	0.08	0.09	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.09	0.09	0.07	0.08	0.09	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.09	0.09	0.11	0.12	0.13	0.12	0.14	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.10	0.10	0.09	0.08	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.12	0.13	0.11	0.10	0.10	0.13	0.16	0.15	0.14	0.14	0.13
CRMS 0258	0.16	0.13	0.12	0.09	0.08	0.05	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.12	0.11	0.09	0.08	0.06	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.12	0.15	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.17	0.17	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.04	0.04	0.09	0.15	0.11	0.08	0.06	0.07	0.08	0.05	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	0.00	0.04	0.11	0.04	0.04	0.02	0.03	0.03	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.00	0.01	0.04	-0.01	0.00	0.01	0.02	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.02	0.00	0.01	0.05	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.01	0.01	0.04	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.01	0.00	0.01	0.00	-0.01	0.00	0.01	0.00	0.01	0.00
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.01	0.00	0.01	0.02	0.00	0.02	0.04	0.02	0.02	0.03	0.01
CRMS 0258	-0.01	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.02	0.01	0.02	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 48 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.17	0.10	0.06	0.06	0.07	0.07	0.08	0.08	0.14	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.15	0.14	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.17	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.16	0.09	0.05	0.05	0.05	0.05	0.06	0.06	0.12	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.13	0.14	0.14	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.08	0.08	0.10	0.10	0.11	0.10	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.10	0.12	0.13	0.13	0.12	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.13	0.15	0.17	0.14	0.13	0.14	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.08	0.08	0.08	0.06	0.06	0.12	0.17
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.11	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.16	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.22	0.20	0.18	0.17	0.15	0.17

V3PR3 HYST - cy 1 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.24	0.24	0.23	0.21	0.18	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.14	0.13	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.16	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.23	0.21	0.22	0.22	0.22	0.21	0.15	0.09	0.10	0.15	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.17	0.17	0.15	0.14	0.13	0.12	0.13	0.16	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.19	0.19	0.18	0.17	0.17	0.16	0.13	0.09	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.18	0.18	0.16	0.15	0.16	0.15	0.13	0.09	0.09	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.14	0.12	0.11	0.12	0.11	0.09	0.10	0.13	0.16
HWQ14 - Lake Washington	0.16	0.16	0.17	0.14	0.12	0.12	0.12	0.12	0.11	0.12	0.15	0.17
HWQ16 - Bayou Grand Liard	0.12	0.15	0.15	0.13	0.12	0.13	0.11	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.12	0.12	0.13	0.14	0.15	0.16	0.15
CRMS 0258	0.17	0.16	0.17	0.13	0.11	0.11	0.11	0.10	0.06	0.06	0.13	0.17
CRMS 0224	0.17	0.17	0.17	0.14	0.11	0.12	0.12	0.09	0.07	0.07	0.12	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.17	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.22	0.20	0.18	0.18	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.07	0.14	0.18	0.18	0.16	0.13	0.10	0.09	0.03	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.05	0.05	0.13	0.16	0.17	0.16	0.10	0.04	0.04	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.01	0.04	0.06	0.04	0.01	-0.01	-0.02	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.02	0.03	0.07	0.08	0.09	0.07	0.03	-0.02	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	0.02	0.02	0.05	0.06	0.07	0.05	0.03	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.02	0.03	0.03	0.02	0.01	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.01	0.02	0.01	0.00	-0.01	-0.03	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.03	-0.01	0.02	0.02	0.01
CRMS 0258	-0.01	0.00	0.01	0.03	0.03	0.03	0.03	0.02	0.00	0.00	0.01	0.00
CRMS 0224	-0.01	0.00	0.02	0.05	0.05	0.05	0.06	0.03	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 49 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.09	0.06	0.06	0.07	0.07	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.17	0.11	0.10	0.12	0.10	0.10	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.16	0.19	0.21	0.23	0.19	0.16	0.15	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.08	0.06	0.06	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.14	0.10	0.09	0.10	0.13	0.14	0.14	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.10	0.09	0.08	0.10	0.10	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.13	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.14	0.12	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.10	0.12	0.15	0.17	0.14	0.13	0.12	0.13
CRMS 0258	0.16	0.17	0.14	0.10	0.09	0.09	0.08	0.08	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.16	0.14	0.09	0.07	0.07	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.16	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.16	0.21

V3PR3 HYST - cy 1 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.24	0.25	0.28	0.27	0.23	0.19	0.17	0.16	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.15	0.16	0.16	0.11	0.10	0.12	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.16	0.18	0.21	0.23	0.18	0.16	0.15	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.21	0.22	0.25	0.25	0.22	0.12	0.09	0.10	0.14	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.15	0.16	0.18	0.18	0.15	0.12	0.13	0.14	0.16	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.16	0.17	0.19	0.21	0.17	0.10	0.09	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.16	0.17	0.19	0.16	0.11	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.14	0.12	0.12	0.13	0.13	0.11	0.10	0.10	0.13	0.14
HWQ14 - Lake Washington	0.15	0.15	0.13	0.12	0.11	0.12	0.13	0.12	0.11	0.13	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.13	0.11	0.10	0.09	0.09	0.12
CRMS 3985	0.14	0.13	0.13	0.12	0.12	0.14	0.13	0.14	0.14	0.15	0.16	0.14
CRMS 0258	0.14	0.16	0.13	0.13	0.13	0.14	0.12	0.09	0.06	0.06	0.13	0.14
CRMS 0224	0.14	0.15	0.13	0.13	0.13	0.15	0.13	0.08	0.07	0.08	0.12	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.17	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.16	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.02	0.10	0.16	0.22	0.21	0.16	0.12	0.09	0.08	0.04	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.04	0.05	0.14	0.19	0.19	0.16	0.06	0.04	0.04	0.02	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.06	0.09	0.07	0.02	-0.02	-0.01	0.02	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.02	0.08	0.12	0.13	0.08	0.00	-0.02	0.00	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.01	0.05	0.08	0.11	0.06	0.01	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.03	0.04	0.05	0.03	0.01	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	-0.01	0.02	0.03	0.03	0.01	-0.01	-0.02	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.02	0.02	0.02	-0.01	-0.02	0.00	0.02	0.04	0.01
CRMS 0258	-0.03	-0.01	0.00	0.03	0.04	0.05	0.03	0.01	0.00	0.00	0.01	0.00
CRMS 0224	-0.02	-0.01	-0.01	0.05	0.06	0.08	0.06	0.01	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 50 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.15	0.09	0.06	0.06	0.07	0.10	0.08	0.08	0.13	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.09	0.09	0.10	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.21	0.21	0.19	0.16	0.14	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.08	0.06	0.05	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.09	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.15	0.14	0.11	0.09	0.10	0.11	0.13	0.12	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.12	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.14	0.12	0.11	0.12	0.14	0.16	0.13	0.12	0.13	0.14
CRMS 0258	0.16	0.14	0.14	0.11	0.08	0.08	0.07	0.06	0.05	0.06	0.12	0.16
CRMS 0224	0.16	0.15	0.13	0.09	0.07	0.06	0.06	0.06	0.07	0.07	0.11	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.22	0.19	0.15	0.13	0.15	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.17	0.17	0.17	0.16	0.17

V3PR4 HYST - cy 1 - 1975 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.24	0.25	0.27	0.26	0.23	0.20	0.18	0.17	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.14	0.17	0.16	0.13	0.09	0.08	0.11	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.16	0.18	0.21	0.21	0.19	0.16	0.14	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.22	0.24	0.26	0.25	0.22	0.16	0.12	0.10	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.18	0.20	0.20	0.16	0.12	0.12	0.13	0.14	0.15	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.18	0.20	0.21	0.21	0.18	0.12	0.09	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.18	0.19	0.20	0.17	0.12	0.09	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.15	0.15	0.15	0.12	0.11	0.09	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.14	0.14	0.15	0.14	0.13	0.12	0.12	0.11	0.12	0.13	0.15	0.15
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.15	0.15	0.13	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.14	0.15	0.15	0.15	0.13	0.13	0.15	0.15	0.14	0.14	0.11
CRMS 0258	0.14	0.14	0.15	0.17	0.16	0.12	0.08	0.06	0.06	0.06	0.13	0.16
CRMS 0224	0.14	0.14	0.16	0.17	0.16	0.13	0.09	0.07	0.07	0.08	0.12	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.21	0.19	0.15	0.13	0.16	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.18	0.17	0.17	0.17	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.08	0.11	0.18	0.20	0.18	0.13	0.08	0.09	0.09	0.04	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.05	0.10	0.17	0.19	0.17	0.10	0.05	0.04	0.05	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.02	0.04	0.08	0.10	0.05	0.00	-0.03	0.01	0.02	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.02	0.06	0.11	0.13	0.10	0.03	-0.02	-0.01	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	0.02	0.04	0.08	0.11	0.08	0.03	-0.01	-0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.02	0.04	0.06	0.04	0.02	-0.01	-0.01	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.03	0.04	0.02	0.00	-0.02	0.00	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	0.01	0.02	0.03	0.04	0.01	-0.01	0.00	0.02	0.02	0.01	-0.02
CRMS 0258	-0.02	-0.01	0.01	0.06	0.07	0.04	0.01	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.02	0.00	0.03	0.08	0.09	0.06	0.03	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 51 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.08	0.11	0.08	0.08	0.14	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.16	0.17	0.18	0.13	0.08	0.09	0.10	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.21	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.09	0.06	0.05	0.05	0.07	0.06	0.06	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.10	0.11	0.13	0.15	0.13	0.12	0.14	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.14	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.11	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.15	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.14	0.11	0.09	0.10	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.14	0.15	0.13	0.12	0.13	0.15	0.14	0.13	0.12	0.12	0.12
CRMS 0258	0.16	0.15	0.15	0.11	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.15
CRMS 0224	0.16	0.15	0.14	0.10	0.07	0.06	0.06	0.08	0.08	0.07	0.11	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.17	0.16	0.15	0.16	0.18

V3PR4 HYST - cy 1 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.25	0.26	0.26	0.27	0.20	0.19	0.18	0.16	0.16	0.17	0.20
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.16	0.17	0.17	0.13	0.08	0.09	0.10	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.20	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.23	0.25	0.25	0.26	0.15	0.13	0.12	0.10	0.11	0.14	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.19	0.20	0.21	0.12	0.11	0.13	0.14	0.14	0.16	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.19	0.21	0.21	0.22	0.13	0.09	0.10	0.10	0.11	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.17	0.19	0.19	0.21	0.12	0.09	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.17	0.15	0.15	0.11	0.09	0.10	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.15	0.16	0.14	0.14	0.11	0.11	0.12	0.13	0.13	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.16	0.13	0.09	0.09	0.09	0.09	0.09	0.12
CRMS 3985	0.14	0.15	0.16	0.16	0.16	0.12	0.13	0.16	0.15	0.15	0.15	0.14
CRMS 0258	0.13	0.15	0.17	0.17	0.16	0.08	0.07	0.06	0.06	0.06	0.13	0.15
CRMS 0224	0.14	0.16	0.17	0.17	0.17	0.09	0.07	0.07	0.08	0.08	0.12	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.18	0.22	0.24	0.23	0.25	0.20	0.19	0.18	0.16	0.15	0.16	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.16	0.21	0.14	0.11	0.07	0.08	0.08	0.03	0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.06	0.10	0.16	0.20	0.10	0.07	0.05	0.04	0.05	0.01	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.02	0.04	0.08	0.11	0.01	-0.02	-0.01	0.01	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.03	0.06	0.10	0.14	0.04	0.00	-0.03	0.00	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.02	0.05	0.07	0.11	0.04	0.00	-0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.02	0.04	0.06	0.02	0.00	-0.02	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.03	0.04	0.01	-0.01	-0.03	0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.01	0.02	0.04	0.00	-0.02	0.02	0.02	0.02	0.04	0.02
CRMS 0258	-0.03	0.00	0.02	0.05	0.08	0.01	0.01	0.01	0.00	0.00	0.01	0.00
CRMS 0224	-0.02	0.00	0.04	0.08	0.10	0.02	0.01	-0.01	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 52 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.09	0.06	0.06	0.08	0.10	0.08	0.09	0.13	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.12	0.12	0.09	0.07	0.08	0.09	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.11	0.11	0.13	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.08	0.05	0.05	0.06	0.08	0.06	0.07	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.10	0.08	0.10	0.11	0.12	0.12	0.12	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.09	0.08	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.10	0.08	0.10	0.11	0.12	0.13	0.12	0.11	0.12
CRMS 0258	0.17	0.14	0.13	0.09	0.07	0.05	0.05	0.06	0.05	0.05	0.12	0.14
CRMS 0224	0.16	0.15	0.13	0.08	0.06	0.05	0.07	0.07	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.16	0.17	0.17

V3PR4 HYST - cy 1 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.20	0.19	0.19	0.21	0.17	0.16	0.16	0.15	0.16	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.11	0.12	0.11	0.09	0.07	0.08	0.09	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.12	0.12	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.17	0.16	0.13	0.17	0.09	0.11	0.11	0.09	0.10	0.13	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.14	0.12	0.13	0.09	0.11	0.13	0.14	0.13	0.14	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.14	0.08	0.09	0.09	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.12	0.11	0.12	0.08	0.08	0.09	0.10	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.13	0.12	0.10	0.09	0.07	0.08	0.09	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.13	0.13	0.10	0.10	0.09	0.11	0.12	0.13	0.13	0.14	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.10	0.10	0.10	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.12	0.14	0.11	0.11	0.10	0.13	0.16	0.15	0.14	0.14	0.14
CRMS 0258	0.16	0.13	0.12	0.09	0.09	0.05	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.12	0.11	0.09	0.09	0.06	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.12	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.17	0.18	0.17	0.16	0.15	0.13	0.17	0.17	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.04	0.04	0.09	0.15	0.11	0.08	0.06	0.07	0.08	0.05	0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	0.00	0.01	0.05	0.12	0.05	0.05	0.03	0.03	0.04	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.02	0.05	-0.01	0.00	0.01	0.02	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.02	0.06	0.00	-0.01	0.00	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.00	0.01	0.05	0.00	-0.01	0.00	0.00	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.01	0.00	0.02	0.00	-0.01	0.00	0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.00	0.02	0.00	0.00	0.01	0.02	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.02	0.00	0.02	0.04	0.02	0.02	0.03	0.01
CRMS 0258	-0.01	-0.01	-0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.01	0.01	0.03	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 53 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.17	0.10	0.06	0.06	0.07	0.07	0.08	0.08	0.14	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.15	0.14	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.17	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.16	0.09	0.05	0.05	0.05	0.05	0.06	0.06	0.12	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.13	0.14	0.14	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.08	0.08	0.10	0.10	0.11	0.10	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.10	0.12	0.13	0.13	0.12	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.13	0.15	0.17	0.14	0.13	0.14	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.08	0.08	0.08	0.06	0.06	0.12	0.17
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.11	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.16	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.22	0.20	0.18	0.17	0.15	0.17

V3PR4 HYST - cy 1 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.20	0.17	0.17	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.14	0.13	0.11	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.16	0.16	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.23	0.23	0.23	0.23	0.22	0.16	0.10	0.11	0.15	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.19	0.19	0.19	0.18	0.17	0.15	0.13	0.12	0.13	0.16	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.21	0.19	0.20	0.19	0.19	0.18	0.14	0.09	0.10	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.17	0.19	0.18	0.18	0.17	0.17	0.16	0.13	0.09	0.09	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.15	0.13	0.12	0.12	0.12	0.09	0.10	0.13	0.15
HWQ14 - Lake Washington	0.16	0.16	0.17	0.14	0.12	0.12	0.12	0.12	0.10	0.12	0.15	0.17
HWQ16 - Bayou Grand Liard	0.13	0.15	0.16	0.14	0.13	0.13	0.11	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.17	0.17	0.15	0.14	0.13	0.13	0.13	0.13	0.15	0.16	0.12
CRMS 0258	0.17	0.17	0.17	0.15	0.13	0.13	0.13	0.10	0.06	0.06	0.13	0.17
CRMS 0224	0.17	0.18	0.17	0.16	0.13	0.14	0.14	0.10	0.07	0.07	0.12	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.17	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.21	0.22	0.22	0.22	0.21	0.20	0.18	0.18	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.07	0.14	0.19	0.19	0.16	0.13	0.10	0.09	0.03	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.06	0.06	0.14	0.18	0.18	0.17	0.10	0.04	0.05	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.02	0.01	0.05	0.07	0.05	0.03	-0.01	-0.02	0.01	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.04	0.03	0.08	0.10	0.11	0.08	0.04	-0.02	0.00	0.02	0.00
USGS 07380335 - Little Lake Near Cutoff	0.02	0.03	0.03	0.06	0.08	0.09	0.07	0.03	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.03	0.04	0.04	0.03	0.02	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.02	0.02	0.01	0.00	-0.01	-0.03	0.00	0.02	0.00
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	0.00	0.00	0.01	0.01	0.00	-0.02	-0.03	-0.01	0.02	0.02	-0.03
CRMS 0258	-0.01	0.00	0.01	0.05	0.05	0.05	0.05	0.02	0.00	0.00	0.01	0.00
CRMS 0224	-0.01	0.01	0.03	0.06	0.07	0.07	0.08	0.04	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 54 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.09	0.06	0.06	0.07	0.07	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.17	0.11	0.10	0.12	0.10	0.10	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.16	0.19	0.21	0.23	0.19	0.16	0.15	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.08	0.06	0.06	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.14	0.10	0.09	0.10	0.13	0.14	0.14	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.10	0.09	0.08	0.10	0.10	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.13	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.14	0.12	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.10	0.12	0.15	0.17	0.14	0.13	0.12	0.13
CRMS 0258	0.16	0.17	0.14	0.10	0.09	0.09	0.08	0.08	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.16	0.14	0.09	0.07	0.07	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.16	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.16	0.21

V3PR4 HYST - cy 1 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.25	0.25	0.28	0.27	0.24	0.19	0.17	0.16	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.15	0.16	0.16	0.12	0.10	0.12	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.14	0.16	0.19	0.21	0.23	0.19	0.16	0.16	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.23	0.24	0.26	0.26	0.22	0.13	0.10	0.11	0.15	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.16	0.18	0.20	0.20	0.16	0.12	0.13	0.14	0.16	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.18	0.19	0.21	0.23	0.19	0.11	0.09	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.16	0.17	0.19	0.21	0.17	0.11	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.14	0.13	0.13	0.14	0.14	0.11	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.15	0.14	0.12	0.12	0.13	0.13	0.12	0.11	0.13	0.16	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.10	0.09	0.09	0.12
CRMS 3985	0.14	0.13	0.13	0.13	0.14	0.16	0.14	0.14	0.14	0.15	0.16	0.14
CRMS 0258	0.14	0.16	0.14	0.15	0.15	0.17	0.14	0.09	0.06	0.06	0.13	0.15
CRMS 0224	0.14	0.15	0.14	0.15	0.16	0.18	0.15	0.08	0.07	0.08	0.12	0.15
CRMS 0163	0.15	0.14	0.16	0.19	0.22	0.24	0.18	0.16	0.17	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.15	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.02	0.10	0.16	0.22	0.21	0.17	0.12	0.09	0.08	0.04	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.02	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.04	0.07	0.16	0.21	0.20	0.17	0.07	0.04	0.05	0.02	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.03	0.08	0.11	0.10	0.04	-0.02	-0.01	0.02	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.04	0.09	0.14	0.15	0.09	0.01	-0.01	0.00	0.02	0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.02	0.07	0.11	0.13	0.08	0.01	-0.01	0.00	0.01	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.04	0.05	0.06	0.04	0.01	-0.02	0.00	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.04	0.04	0.02	-0.01	-0.02	0.00	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.03	0.04	0.04	-0.01	-0.02	0.00	0.02	0.05	0.01
CRMS 0258	-0.03	-0.01	0.00	0.04	0.07	0.08	0.06	0.01	0.00	0.00	0.01	0.01
CRMS 0224	-0.02	-0.01	0.00	0.07	0.09	0.12	0.08	0.02	0.00	0.00	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 55 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.15	0.09	0.06	0.06	0.07	0.10	0.08	0.08	0.13	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.09	0.09	0.10	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.21	0.21	0.19	0.16	0.14	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.08	0.06	0.05	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.09	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.15	0.14	0.11	0.09	0.10	0.11	0.13	0.12	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.12	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.14	0.12	0.11	0.12	0.14	0.16	0.13	0.12	0.13	0.14
CRMS 0258	0.16	0.14	0.14	0.11	0.08	0.08	0.07	0.06	0.05	0.06	0.12	0.16
CRMS 0224	0.16	0.15	0.13	0.09	0.07	0.06	0.06	0.06	0.07	0.07	0.11	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.22	0.19	0.15	0.13	0.15	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.17	0.17	0.17	0.16	0.17

V3PR5 HYST - cy 1 - 1975 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.24	0.25	0.27	0.26	0.23	0.20	0.18	0.17	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.14	0.17	0.16	0.13	0.09	0.09	0.11	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.16	0.18	0.21	0.21	0.19	0.16	0.14	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.22	0.23	0.25	0.25	0.22	0.15	0.11	0.09	0.10	0.14	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.18	0.20	0.20	0.16	0.12	0.12	0.13	0.14	0.15	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.20	0.21	0.21	0.18	0.12	0.09	0.10	0.11	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.18	0.19	0.20	0.17	0.12	0.09	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.15	0.15	0.15	0.12	0.11	0.09	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.14	0.15	0.14	0.14	0.12	0.12	0.11	0.12	0.13	0.15	0.16
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.15	0.15	0.13	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.14	0.15	0.15	0.15	0.13	0.13	0.15	0.15	0.14	0.15	0.14
CRMS 0258	0.14	0.14	0.15	0.16	0.15	0.12	0.08	0.06	0.06	0.06	0.13	0.16
CRMS 0224	0.14	0.14	0.16	0.17	0.16	0.12	0.09	0.07	0.08	0.08	0.12	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.21	0.19	0.15	0.13	0.16	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.18	0.17	0.17	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.08	0.11	0.18	0.20	0.18	0.13	0.08	0.09	0.09	0.04	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.05	0.09	0.17	0.19	0.17	0.10	0.04	0.04	0.04	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.02	0.04	0.08	0.10	0.05	0.00	-0.03	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.03	0.06	0.11	0.13	0.10	0.03	-0.01	-0.01	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	0.02	0.04	0.08	0.11	0.08	0.03	0.00	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.02	0.05	0.06	0.04	0.02	-0.01	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.03	0.04	0.02	0.00	-0.02	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.01	0.02	0.03	0.04	0.01	-0.01	0.00	0.02	0.02	0.02	0.01
CRMS 0258	-0.02	-0.01	0.01	0.06	0.07	0.03	0.01	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.02	0.00	0.03	0.08	0.09	0.06	0.03	0.00	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 56 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.08	0.11	0.08	0.08	0.14	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.16	0.17	0.18	0.13	0.08	0.09	0.10	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.21	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.09	0.06	0.05	0.05	0.07	0.06	0.06	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.10	0.11	0.13	0.15	0.13	0.12	0.14	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.14	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.11	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.15	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.14	0.11	0.09	0.10	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.14	0.15	0.13	0.12	0.13	0.15	0.14	0.13	0.12	0.12	0.12
CRMS 0258	0.16	0.15	0.15	0.11	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.15
CRMS 0224	0.16	0.15	0.14	0.10	0.07	0.06	0.06	0.08	0.08	0.07	0.11	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.17	0.16	0.15	0.16	0.18

V3PR5 HYST - cy 1 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.25	0.26	0.26	0.27	0.20	0.19	0.18	0.16	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.12	0.14	0.16	0.17	0.17	0.13	0.08	0.09	0.10	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.20	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.23	0.24	0.24	0.25	0.15	0.12	0.11	0.10	0.10	0.14	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.19	0.20	0.21	0.12	0.11	0.13	0.14	0.14	0.16	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.19	0.21	0.21	0.22	0.13	0.09	0.10	0.10	0.11	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.17	0.19	0.19	0.21	0.12	0.09	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.17	0.15	0.15	0.11	0.09	0.10	0.10	0.11	0.13	0.14
HWQ14 - Lake Washington	0.15	0.15	0.16	0.14	0.14	0.11	0.11	0.12	0.13	0.13	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.16	0.15	0.16	0.12	0.09	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.15	0.16	0.16	0.16	0.12	0.13	0.16	0.15	0.15	0.14	0.12
CRMS 0258	0.13	0.15	0.17	0.16	0.16	0.08	0.07	0.06	0.06	0.06	0.13	0.15
CRMS 0224	0.14	0.16	0.17	0.17	0.17	0.09	0.07	0.07	0.08	0.08	0.12	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.18	0.16	0.15	0.16	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.16	0.21	0.14	0.11	0.07	0.08	0.08	0.03	0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.05	0.10	0.16	0.20	0.09	0.06	0.04	0.04	0.04	0.01	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.02	0.04	0.08	0.11	0.01	-0.02	-0.02	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.03	0.06	0.10	0.14	0.04	0.00	-0.03	0.00	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.02	0.05	0.07	0.11	0.04	0.00	-0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.02	0.04	0.06	0.02	0.00	-0.02	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.03	0.04	0.01	-0.01	-0.03	0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.01	0.01	0.02	0.04	0.00	-0.02	0.02	0.02	0.03	0.02	-0.01
CRMS 0258	-0.03	0.00	0.02	0.05	0.07	0.01	0.01	0.01	0.00	0.00	0.01	0.00
CRMS 0224	-0.02	0.00	0.04	0.08	0.10	0.02	0.01	-0.01	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 57 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.09	0.06	0.06	0.08	0.10	0.08	0.09	0.13	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.12	0.12	0.09	0.07	0.08	0.09	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.11	0.11	0.13	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.08	0.05	0.05	0.06	0.08	0.06	0.07	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.10	0.08	0.10	0.11	0.12	0.12	0.12	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.09	0.08	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.10	0.08	0.10	0.11	0.12	0.13	0.12	0.11	0.12
CRMS 0258	0.17	0.14	0.13	0.09	0.07	0.05	0.05	0.06	0.05	0.05	0.12	0.14
CRMS 0224	0.16	0.15	0.13	0.08	0.06	0.05	0.07	0.07	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.16	0.17	0.17

V3PR5 HYST - cy 1 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.20	0.19	0.19	0.21	0.17	0.16	0.16	0.15	0.16	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.11	0.12	0.11	0.09	0.07	0.08	0.09	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.12	0.12	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.16	0.15	0.13	0.17	0.08	0.10	0.10	0.09	0.10	0.12	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.14	0.12	0.13	0.09	0.11	0.13	0.14	0.13	0.14	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.14	0.08	0.09	0.09	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.12	0.11	0.12	0.08	0.08	0.09	0.10	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.13	0.12	0.10	0.09	0.07	0.08	0.09	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.10	0.09	0.11	0.12	0.13	0.13	0.14	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.10	0.10	0.10	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.12	0.13	0.11	0.11	0.10	0.13	0.16	0.15	0.14	0.14	0.13
CRMS 0258	0.16	0.13	0.12	0.09	0.09	0.05	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.12	0.11	0.09	0.09	0.06	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.13	0.11	0.12	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.17	0.18	0.17	0.16	0.15	0.13	0.17	0.17	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.04	0.04	0.09	0.15	0.11	0.08	0.06	0.07	0.08	0.05	0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	0.01	0.04	0.12	0.04	0.04	0.02	0.03	0.03	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.02	0.05	-0.01	0.00	0.01	0.02	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.02	0.06	0.00	-0.01	0.00	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.00	0.01	0.05	0.00	-0.01	0.00	0.00	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.01	0.00	0.02	0.00	-0.01	0.00	0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.00	0.02	0.00	0.00	0.01	0.02	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.01	0.00	0.01	0.02	0.00	0.02	0.04	0.02	0.02	0.03	0.01
CRMS 0258	-0.01	-0.01	-0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.01	0.01	0.03	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 58 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.17	0.10	0.06	0.06	0.07	0.07	0.08	0.08	0.14	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.15	0.14	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.17	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.16	0.09	0.05	0.05	0.05	0.05	0.06	0.06	0.12	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.13	0.14	0.14	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.08	0.08	0.10	0.10	0.11	0.10	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.10	0.12	0.13	0.13	0.12	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.13	0.15	0.17	0.14	0.13	0.14	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.08	0.08	0.08	0.06	0.06	0.12	0.17
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.11	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.16	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.22	0.20	0.18	0.17	0.15	0.17

V3PR5 HYST - cy 1 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.20	0.17	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.14	0.13	0.11	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.16	0.16	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.24	0.22	0.23	0.23	0.23	0.22	0.15	0.09	0.10	0.15	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.19	0.19	0.19	0.18	0.17	0.16	0.13	0.12	0.13	0.17	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.21	0.20	0.20	0.19	0.19	0.18	0.14	0.09	0.10	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.17	0.19	0.19	0.18	0.17	0.17	0.16	0.13	0.09	0.09	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.17	0.17	0.15	0.13	0.12	0.12	0.12	0.09	0.10	0.13	0.16
HWQ14 - Lake Washington	0.16	0.16	0.17	0.14	0.12	0.12	0.12	0.12	0.10	0.12	0.16	0.17
HWQ16 - Bayou Grand Liard	0.13	0.15	0.16	0.14	0.13	0.13	0.11	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.15	0.14	0.13	0.13	0.13	0.13	0.15	0.17	0.15
CRMS 0258	0.17	0.17	0.17	0.15	0.12	0.13	0.13	0.10	0.06	0.06	0.13	0.17
CRMS 0224	0.17	0.18	0.17	0.16	0.13	0.14	0.13	0.10	0.07	0.07	0.13	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.17	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.21	0.22	0.22	0.22	0.21	0.20	0.18	0.18	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.07	0.14	0.19	0.19	0.16	0.13	0.10	0.09	0.03	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.05	0.06	0.14	0.17	0.18	0.16	0.10	0.04	0.04	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.02	0.01	0.05	0.08	0.06	0.03	-0.01	-0.02	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.04	0.03	0.08	0.10	0.11	0.08	0.04	-0.02	0.00	0.02	0.00
USGS 07380335 - Little Lake Near Cutoff	0.02	0.03	0.03	0.06	0.08	0.09	0.07	0.03	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.01	0.03	0.04	0.04	0.03	0.02	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.02	0.02	0.02	0.00	-0.01	-0.03	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.01	0.00	-0.02	-0.03	-0.01	0.02	0.03	0.01
CRMS 0258	-0.01	0.00	0.01	0.04	0.04	0.05	0.05	0.02	0.00	0.00	0.01	0.00
CRMS 0224	-0.01	0.01	0.03	0.06	0.06	0.07	0.07	0.04	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 59 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.09	0.06	0.06	0.07	0.07	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.17	0.11	0.10	0.12	0.10	0.10	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.16	0.19	0.21	0.23	0.19	0.16	0.15	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.08	0.06	0.06	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.14	0.10	0.09	0.10	0.13	0.14	0.14	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.10	0.09	0.08	0.10	0.10	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.13	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.14	0.12	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.10	0.12	0.15	0.17	0.14	0.13	0.12	0.13
CRMS 0258	0.16	0.17	0.14	0.10	0.09	0.09	0.08	0.08	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.16	0.14	0.09	0.07	0.07	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.16	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.16	0.21

V3PR5 HYST - cy 1 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.25	0.25	0.28	0.27	0.24	0.19	0.17	0.16	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.15	0.16	0.16	0.12	0.10	0.12	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.14	0.16	0.19	0.21	0.23	0.19	0.16	0.16	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.22	0.23	0.26	0.26	0.22	0.12	0.09	0.10	0.14	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.17	0.18	0.20	0.21	0.17	0.12	0.13	0.14	0.17	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.18	0.19	0.21	0.23	0.19	0.11	0.09	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.16	0.17	0.19	0.21	0.17	0.11	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.14	0.13	0.13	0.14	0.14	0.11	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.15	0.14	0.12	0.12	0.13	0.13	0.12	0.11	0.13	0.16	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.10	0.09	0.09	0.13
CRMS 3985	0.14	0.13	0.13	0.13	0.14	0.16	0.14	0.14	0.14	0.15	0.17	0.14
CRMS 0258	0.14	0.16	0.14	0.15	0.15	0.17	0.14	0.09	0.06	0.06	0.13	0.15
CRMS 0224	0.14	0.15	0.14	0.15	0.16	0.18	0.15	0.08	0.07	0.08	0.12	0.15
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.17	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.15	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.02	0.10	0.16	0.22	0.21	0.17	0.12	0.09	0.08	0.04	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	-0.01	0.02	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.04	0.06	0.15	0.20	0.20	0.17	0.07	0.04	0.04	0.02	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.03	0.08	0.11	0.10	0.04	-0.02	-0.01	0.02	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.04	0.09	0.14	0.15	0.09	0.01	-0.01	0.00	0.02	0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.02	0.07	0.11	0.13	0.08	0.01	-0.01	0.00	0.01	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.04	0.05	0.06	0.04	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.04	0.04	0.02	-0.01	-0.02	0.00	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.01	0.03	0.04	0.04	-0.01	-0.02	0.00	0.03	0.05	0.01
CRMS 0258	-0.03	-0.01	0.00	0.04	0.06	0.08	0.06	0.01	0.00	0.00	0.01	0.01
CRMS 0224	-0.02	-0.01	0.00	0.06	0.09	0.11	0.08	0.02	0.00	0.00	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 60 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.15	0.09	0.06	0.06	0.07	0.10	0.08	0.08	0.13	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.09	0.09	0.10	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.21	0.21	0.19	0.16	0.14	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.08	0.06	0.05	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.09	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.15	0.14	0.11	0.09	0.10	0.11	0.13	0.12	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.12	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.14	0.12	0.11	0.12	0.14	0.16	0.13	0.12	0.13	0.14
CRMS 0258	0.16	0.14	0.14	0.11	0.08	0.08	0.07	0.06	0.05	0.06	0.12	0.16
CRMS 0224	0.16	0.15	0.13	0.09	0.07	0.06	0.06	0.06	0.07	0.07	0.11	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.22	0.19	0.15	0.13	0.15	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.17	0.17	0.17	0.16	0.17

V3PR6 HYST - cy 1 - 1975 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.24	0.26	0.27	0.26	0.24	0.20	0.18	0.17	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.10	0.08	0.11	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.16	0.18	0.20	0.21	0.18	0.16	0.14	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.23	0.25	0.27	0.26	0.23	0.15	0.11	0.10	0.11	0.15	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.20	0.23	0.22	0.19	0.13	0.12	0.14	0.14	0.16	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.20	0.22	0.24	0.23	0.20	0.13	0.09	0.10	0.11	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.17	0.19	0.21	0.23	0.22	0.19	0.13	0.09	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.16	0.17	0.17	0.14	0.11	0.09	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.14	0.15	0.16	0.16	0.13	0.12	0.11	0.12	0.13	0.15	0.16
HWQ16 - Bayou Grand Liard	0.13	0.14	0.16	0.18	0.18	0.14	0.11	0.09	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.15	0.17	0.18	0.19	0.15	0.13	0.14	0.15	0.15	0.16	0.14
CRMS 0258	0.15	0.16	0.18	0.20	0.20	0.16	0.10	0.06	0.06	0.06	0.13	0.17
CRMS 0224	0.16	0.17	0.18	0.21	0.21	0.17	0.10	0.07	0.08	0.08	0.12	0.16
CRMS 0163	0.16	0.18	0.18	0.21	0.21	0.18	0.15	0.13	0.16	0.15	0.15	0.15
CRMS 0162	0.19	0.20	0.22	0.24	0.23	0.21	0.20	0.17	0.17	0.17	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.08	0.11	0.18	0.20	0.18	0.13	0.08	0.09	0.09	0.04	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.04	0.07	0.11	0.18	0.20	0.18	0.10	0.05	0.04	0.05	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.06	0.11	0.13	0.08	0.01	-0.03	0.01	0.03	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.03	0.05	0.08	0.13	0.15	0.12	0.04	-0.01	-0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.03	0.04	0.07	0.11	0.13	0.11	0.04	0.00	-0.01	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.03	0.06	0.08	0.06	0.02	-0.01	-0.01	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.05	0.06	0.03	0.00	-0.02	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.03	0.04	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.01	0.02	0.03	0.06	0.07	0.03	-0.01	-0.01	0.02	0.03	0.02	0.01
CRMS 0258	0.00	0.01	0.04	0.09	0.12	0.08	0.03	0.01	0.01	0.01	0.01	0.00
CRMS 0224	-0.01	0.02	0.06	0.12	0.14	0.10	0.04	0.01	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 61 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.08	0.11	0.08	0.08	0.14	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.16	0.17	0.18	0.13	0.08	0.09	0.10	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.21	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.09	0.06	0.05	0.05	0.07	0.06	0.06	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.10	0.11	0.13	0.15	0.13	0.12	0.14	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.14	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.11	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.15	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.14	0.11	0.09	0.10	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.14	0.15	0.13	0.12	0.13	0.15	0.14	0.13	0.12	0.12	0.12
CRMS 0258	0.16	0.15	0.15	0.11	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.15
CRMS 0224	0.16	0.15	0.14	0.10	0.07	0.06	0.06	0.08	0.08	0.07	0.11	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.17	0.16	0.15	0.16	0.18

V3PR6 HYST - cy 1 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.25	0.27	0.27	0.27	0.20	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.12	0.15	0.17	0.17	0.18	0.13	0.08	0.09	0.10	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.20	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.24	0.26	0.26	0.27	0.15	0.12	0.11	0.10	0.11	0.15	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.20	0.22	0.22	0.23	0.13	0.11	0.14	0.14	0.15	0.17	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.24	0.13	0.09	0.10	0.10	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.20	0.22	0.22	0.23	0.14	0.09	0.10	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.18	0.17	0.18	0.12	0.09	0.10	0.11	0.11	0.13	0.15
HWQ14 - Lake Washington	0.14	0.15	0.16	0.16	0.16	0.12	0.11	0.12	0.13	0.13	0.16	0.16
HWQ16 - Bayou Grand Liard	0.11	0.15	0.18	0.18	0.19	0.13	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.14	0.16	0.18	0.18	0.19	0.13	0.13	0.16	0.15	0.15	0.16	0.14
CRMS 0258	0.14	0.17	0.19	0.20	0.21	0.10	0.07	0.07	0.06	0.06	0.14	0.15
CRMS 0224	0.14	0.18	0.20	0.21	0.22	0.11	0.07	0.07	0.08	0.08	0.13	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.15
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.19	0.19	0.18	0.16	0.15	0.15	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.17	0.21	0.15	0.11	0.07	0.09	0.08	0.03	0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.07	0.11	0.17	0.21	0.10	0.07	0.04	0.04	0.05	0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.10	0.13	0.02	-0.02	-0.01	0.02	0.03	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.09	0.12	0.16	0.05	0.00	-0.02	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.05	0.08	0.10	0.14	0.05	0.00	-0.01	0.00	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.03	0.06	0.09	0.03	0.00	-0.01	0.00	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.05	0.07	0.01	-0.01	-0.03	0.01	0.02	0.02	0.02
HWQ16 - Bayou Grand Liard	0.00	0.02	0.03	0.04	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.02	0.03	0.05	0.07	0.00	-0.02	0.01	0.02	0.03	0.04	0.02
CRMS 0258	-0.02	0.02	0.05	0.08	0.12	0.02	0.01	0.01	0.01	0.01	0.01	0.01
CRMS 0224	-0.02	0.03	0.07	0.11	0.15	0.04	0.01	0.00	0.00	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 62 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.09	0.06	0.06	0.08	0.10	0.08	0.09	0.13	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.12	0.12	0.09	0.07	0.08	0.09	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.11	0.11	0.13	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.08	0.05	0.05	0.06	0.08	0.06	0.07	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.10	0.08	0.10	0.11	0.12	0.12	0.12	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.09	0.08	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.10	0.08	0.10	0.11	0.12	0.13	0.12	0.11	0.12
CRMS 0258	0.17	0.14	0.13	0.09	0.07	0.05	0.05	0.06	0.05	0.05	0.12	0.14
CRMS 0224	0.16	0.15	0.13	0.08	0.06	0.05	0.07	0.07	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.16	0.17	0.17

V3PR6 HYST - cy 1 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.21	0.20	0.19	0.21	0.17	0.16	0.16	0.16	0.16	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.11	0.12	0.11	0.09	0.07	0.08	0.09	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.12	0.12	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.18	0.16	0.14	0.18	0.09	0.10	0.10	0.10	0.10	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.15	0.12	0.14	0.09	0.11	0.14	0.14	0.14	0.14	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.12	0.16	0.08	0.09	0.09	0.10	0.10	0.13	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.11	0.14	0.08	0.08	0.09	0.10	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.13	0.12	0.10	0.10	0.07	0.08	0.09	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.10	0.09	0.11	0.12	0.13	0.13	0.14	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.12	0.13	0.11	0.11	0.10	0.13	0.16	0.15	0.14	0.14	0.11
CRMS 0258	0.16	0.13	0.12	0.10	0.10	0.06	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.13	0.12	0.10	0.11	0.06	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.12	0.14	0.14	0.15	0.15
CRMS 0162	0.15	0.18	0.17	0.17	0.18	0.16	0.16	0.15	0.13	0.17	0.17	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.04	0.05	0.10	0.16	0.11	0.08	0.07	0.08	0.08	0.05	0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	0.00	0.02	0.06	0.13	0.04	0.04	0.02	0.03	0.03	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.02	0.06	-0.01	0.01	0.02	0.02	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.01	0.02	0.08	0.00	-0.01	0.00	0.00	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.02	0.07	0.00	-0.01	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.01	0.03	0.00	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.00	0.02	0.00	0.00	0.01	0.02	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.01	0.00	0.01	0.03	0.00	0.02	0.04	0.03	0.02	0.03	-0.01
CRMS 0258	-0.01	-0.01	-0.01	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.01	0.02	0.05	0.01	-0.01	-0.01	0.00	0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 63 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.17	0.10	0.06	0.06	0.07	0.07	0.08	0.08	0.14	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.15	0.14	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.17	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.16	0.09	0.05	0.05	0.05	0.05	0.06	0.06	0.12	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.13	0.14	0.14	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.08	0.08	0.10	0.10	0.11	0.10	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.10	0.12	0.13	0.13	0.12	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.13	0.15	0.17	0.14	0.13	0.14	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.08	0.08	0.08	0.06	0.06	0.12	0.17
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.11	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.16	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.22	0.20	0.18	0.17	0.15	0.17

V3PR6 HYST - cy 1 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.17	0.16	0.15	0.15	0.13	0.12	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.16	0.16	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.26	0.23	0.24	0.24	0.24	0.23	0.16	0.10	0.11	0.16	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.15	0.12	0.14	0.17	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.09	0.10	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.19	0.22	0.20	0.21	0.20	0.20	0.19	0.15	0.09	0.09	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.14	0.14	0.14	0.12	0.09	0.10	0.14	0.16
HWQ14 - Lake Washington	0.16	0.17	0.17	0.15	0.14	0.13	0.13	0.12	0.10	0.12	0.16	0.18
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.11
CRMS 3985	0.16	0.18	0.18	0.17	0.16	0.16	0.14	0.14	0.13	0.15	0.17	0.16
CRMS 0258	0.18	0.19	0.18	0.18	0.16	0.17	0.16	0.12	0.06	0.06	0.13	0.18
CRMS 0224	0.18	0.20	0.19	0.19	0.18	0.18	0.17	0.12	0.07	0.08	0.13	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.17	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.21	0.22	0.21	0.21	0.21	0.20	0.18	0.17	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.15	0.19	0.19	0.17	0.13	0.10	0.10	0.03	0.00
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.04	0.07	0.07	0.15	0.19	0.19	0.18	0.11	0.05	0.05	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.03	0.07	0.10	0.08	0.06	0.01	-0.02	0.01	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.06	0.05	0.10	0.13	0.13	0.10	0.05	-0.02	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.04	0.06	0.05	0.09	0.11	0.12	0.09	0.05	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.02	0.02	0.02	0.05	0.06	0.06	0.04	0.03	-0.02	0.00	0.02	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.03	0.03	0.03	0.01	0.00	-0.03	0.00	0.02	0.02
HWQ16 - Bayou Grand Liard	0.03	0.03	0.02	0.04	0.03	0.03	0.02	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.01	0.01	0.02	0.03	0.03	-0.01	-0.03	-0.01	0.02	0.03	0.01
CRMS 0258	0.00	0.02	0.02	0.08	0.09	0.09	0.09	0.04	0.00	0.00	0.01	0.01
CRMS 0224	0.01	0.04	0.04	0.10	0.11	0.12	0.11	0.05	0.00	0.00	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 64 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.09	0.06	0.06	0.07	0.07	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.17	0.11	0.10	0.12	0.10	0.10	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.16	0.19	0.21	0.23	0.19	0.16	0.15	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.08	0.06	0.06	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.14	0.10	0.09	0.10	0.13	0.14	0.14	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.10	0.09	0.08	0.10	0.10	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.13	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.14	0.12	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.10	0.12	0.15	0.17	0.14	0.13	0.12	0.13
CRMS 0258	0.16	0.17	0.14	0.10	0.09	0.09	0.08	0.08	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.16	0.14	0.09	0.07	0.07	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.16	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.16	0.21

V3PR6 HYST - cy 1 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.25	0.26	0.28	0.27	0.24	0.20	0.18	0.16	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.16	0.17	0.19	0.15	0.10	0.12	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.14	0.16	0.18	0.21	0.23	0.18	0.16	0.16	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.24	0.25	0.27	0.26	0.23	0.13	0.10	0.11	0.15	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.19	0.20	0.23	0.24	0.19	0.13	0.13	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.20	0.22	0.24	0.25	0.21	0.11	0.09	0.11	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.19	0.20	0.23	0.24	0.20	0.12	0.10	0.10	0.12	0.19
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.15	0.15	0.16	0.18	0.15	0.11	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.14	0.14	0.14	0.16	0.15	0.12	0.11	0.13	0.16	0.15
HWQ16 - Bayou Grand Liard	0.11	0.10	0.14	0.16	0.17	0.18	0.14	0.11	0.10	0.09	0.09	0.14
CRMS 3985	0.14	0.14	0.15	0.16	0.18	0.20	0.16	0.14	0.14	0.15	0.17	0.15
CRMS 0258	0.14	0.16	0.16	0.18	0.20	0.22	0.18	0.09	0.06	0.06	0.13	0.16
CRMS 0224	0.14	0.15	0.17	0.19	0.21	0.23	0.18	0.08	0.07	0.08	0.13	0.17
CRMS 0163	0.15	0.14	0.16	0.19	0.21	0.23	0.17	0.16	0.17	0.15	0.15	0.17
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.19	0.18	0.16	0.15	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.02	0.10	0.17	0.22	0.21	0.17	0.12	0.10	0.08	0.04	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.04	0.08	0.17	0.22	0.21	0.18	0.07	0.05	0.05	0.03	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.05	0.10	0.14	0.13	0.07	-0.02	-0.01	0.02	0.04	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.06	0.12	0.17	0.17	0.11	0.01	-0.01	0.00	0.02	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.05	0.10	0.14	0.15	0.10	0.02	-0.01	0.00	0.02	0.06
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.01	0.05	0.08	0.09	0.06	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.04	0.06	0.07	0.03	-0.01	-0.03	0.00	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.03	0.04	0.04	0.02	0.00	0.00	0.00	0.00	0.03
CRMS 3985	0.00	0.00	0.02	0.05	0.08	0.08	0.01	-0.03	0.00	0.02	0.05	0.03
CRMS 0258	-0.02	-0.01	0.03	0.08	0.11	0.13	0.09	0.01	0.00	0.00	0.01	0.03
CRMS 0224	-0.02	-0.01	0.02	0.10	0.14	0.16	0.12	0.02	0.00	0.01	0.02	0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 65 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.15	0.09	0.06	0.06	0.07	0.10	0.08	0.08	0.13	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.09	0.09	0.10	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.21	0.21	0.19	0.16	0.14	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.08	0.06	0.05	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.09	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.15	0.14	0.11	0.09	0.10	0.11	0.13	0.12	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.12	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.14	0.12	0.11	0.12	0.14	0.16	0.13	0.12	0.13	0.14
CRMS 0258	0.16	0.14	0.14	0.11	0.08	0.08	0.07	0.06	0.05	0.06	0.12	0.16
CRMS 0224	0.16	0.15	0.13	0.09	0.07	0.06	0.06	0.06	0.07	0.07	0.11	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.22	0.19	0.15	0.13	0.15	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.17	0.17	0.17	0.16	0.17

V3PR7 HYST - cy 1 - 1975 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.24	0.26	0.27	0.26	0.24	0.20	0.18	0.17	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.10	0.08	0.11	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.16	0.18	0.20	0.21	0.18	0.16	0.14	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.23	0.24	0.26	0.25	0.22	0.15	0.11	0.10	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.20	0.23	0.22	0.19	0.13	0.12	0.14	0.14	0.16	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.20	0.22	0.24	0.23	0.20	0.13	0.09	0.10	0.11	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.17	0.19	0.21	0.23	0.22	0.19	0.13	0.09	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.16	0.17	0.17	0.14	0.11	0.09	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.14	0.14	0.15	0.16	0.16	0.13	0.12	0.11	0.12	0.13	0.15	0.16
HWQ16 - Bayou Grand Liard	0.12	0.14	0.16	0.18	0.18	0.14	0.11	0.09	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.15	0.17	0.18	0.19	0.15	0.13	0.14	0.15	0.15	0.15	0.12
CRMS 0258	0.15	0.16	0.18	0.20	0.20	0.16	0.10	0.06	0.06	0.06	0.13	0.17
CRMS 0224	0.16	0.17	0.18	0.21	0.21	0.16	0.10	0.07	0.08	0.08	0.12	0.16
CRMS 0163	0.16	0.18	0.19	0.21	0.21	0.18	0.15	0.13	0.16	0.15	0.15	0.15
CRMS 0162	0.19	0.20	0.22	0.24	0.23	0.21	0.20	0.17	0.17	0.17	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.08	0.11	0.18	0.20	0.18	0.13	0.08	0.09	0.09	0.04	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.04	0.06	0.10	0.18	0.20	0.17	0.10	0.05	0.04	0.05	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.06	0.11	0.13	0.08	0.01	-0.03	0.01	0.02	0.02	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.03	0.05	0.08	0.14	0.15	0.12	0.04	-0.01	-0.01	0.01	0.02	0.00
USGS 07380335 - Little Lake Near Cutoff	0.03	0.04	0.07	0.11	0.13	0.11	0.04	-0.01	-0.01	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.03	0.06	0.08	0.06	0.02	-0.01	-0.01	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.05	0.07	0.03	0.00	-0.02	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.03	0.04	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.02	0.03	0.06	0.07	0.03	-0.01	-0.01	0.02	0.03	0.02	-0.02
CRMS 0258	-0.01	0.01	0.04	0.09	0.11	0.07	0.03	0.01	0.01	0.00	0.01	0.00
CRMS 0224	-0.01	0.02	0.05	0.12	0.14	0.10	0.04	0.01	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 66 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.08	0.11	0.08	0.08	0.14	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.16	0.17	0.18	0.13	0.08	0.09	0.10	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.21	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.09	0.06	0.05	0.05	0.07	0.06	0.06	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.10	0.11	0.13	0.15	0.13	0.12	0.14	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.14	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.11	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.15	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.14	0.11	0.09	0.10	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.14	0.15	0.13	0.12	0.13	0.15	0.14	0.13	0.12	0.12	0.12
CRMS 0258	0.16	0.15	0.15	0.11	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.15
CRMS 0224	0.16	0.15	0.14	0.10	0.07	0.06	0.06	0.08	0.08	0.07	0.11	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.17	0.16	0.15	0.16	0.18

V3PR7 HYST - cy 1 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.25	0.27	0.27	0.27	0.20	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.12	0.15	0.17	0.17	0.18	0.13	0.08	0.09	0.10	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.20	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.24	0.25	0.26	0.26	0.15	0.12	0.11	0.10	0.11	0.15	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.20	0.22	0.22	0.23	0.13	0.11	0.14	0.14	0.15	0.17	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.24	0.13	0.09	0.10	0.10	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.20	0.22	0.22	0.23	0.14	0.09	0.10	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.18	0.17	0.18	0.12	0.09	0.10	0.11	0.11	0.13	0.15
HWQ14 - Lake Washington	0.14	0.15	0.16	0.16	0.16	0.12	0.11	0.12	0.13	0.14	0.16	0.16
HWQ16 - Bayou Grand Liard	0.11	0.15	0.18	0.18	0.19	0.13	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.14	0.16	0.18	0.18	0.20	0.13	0.13	0.16	0.15	0.15	0.16	0.14
CRMS 0258	0.14	0.17	0.19	0.20	0.21	0.10	0.07	0.07	0.06	0.06	0.14	0.15
CRMS 0224	0.14	0.18	0.20	0.21	0.22	0.11	0.07	0.07	0.08	0.08	0.13	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.15
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.19	0.19	0.18	0.16	0.15	0.16	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.17	0.21	0.15	0.11	0.07	0.09	0.08	0.03	0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.07	0.11	0.17	0.21	0.10	0.07	0.04	0.04	0.05	0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.10	0.13	0.02	-0.02	-0.01	0.02	0.03	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.09	0.12	0.16	0.05	0.00	-0.02	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.05	0.08	0.10	0.14	0.05	0.00	-0.01	0.00	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.03	0.06	0.09	0.03	0.00	-0.01	0.00	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.05	0.07	0.01	-0.01	-0.03	0.01	0.02	0.03	0.02
HWQ16 - Bayou Grand Liard	0.00	0.02	0.03	0.04	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.02	0.03	0.05	0.08	0.00	-0.02	0.01	0.03	0.03	0.04	0.02
CRMS 0258	-0.02	0.02	0.04	0.08	0.12	0.02	0.01	0.01	0.01	0.01	0.01	0.01
CRMS 0224	-0.02	0.03	0.07	0.11	0.15	0.04	0.01	0.00	0.00	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 67 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.09	0.06	0.06	0.08	0.10	0.08	0.09	0.13	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.12	0.12	0.09	0.07	0.08	0.09	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.11	0.11	0.13	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.08	0.05	0.05	0.06	0.08	0.06	0.07	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.10	0.08	0.10	0.11	0.12	0.12	0.12	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.09	0.08	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.10	0.08	0.10	0.11	0.12	0.13	0.12	0.11	0.12
CRMS 0258	0.17	0.14	0.13	0.09	0.07	0.05	0.05	0.06	0.05	0.05	0.12	0.14
CRMS 0224	0.16	0.15	0.13	0.08	0.06	0.05	0.07	0.07	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.16	0.17	0.17

V3PR7 HYST - cy 1 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.21	0.20	0.19	0.21	0.17	0.16	0.16	0.16	0.16	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.11	0.12	0.11	0.09	0.07	0.08	0.09	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.12	0.12	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.17	0.16	0.14	0.18	0.09	0.10	0.10	0.09	0.10	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.15	0.12	0.14	0.09	0.11	0.14	0.15	0.14	0.15	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.12	0.16	0.08	0.09	0.09	0.10	0.11	0.13	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.12	0.14	0.08	0.08	0.09	0.10	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.13	0.12	0.10	0.10	0.07	0.08	0.09	0.11	0.10	0.13	0.14
HWQ14 - Lake Washington	0.16	0.13	0.13	0.10	0.10	0.09	0.11	0.12	0.13	0.13	0.14	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.12	0.13	0.11	0.11	0.10	0.13	0.16	0.15	0.15	0.14	0.14
CRMS 0258	0.16	0.13	0.12	0.10	0.10	0.06	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.13	0.12	0.10	0.11	0.06	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.15	0.18	0.17	0.17	0.18	0.16	0.16	0.15	0.13	0.16	0.17	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.04	0.05	0.10	0.16	0.11	0.08	0.07	0.08	0.08	0.05	0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	0.00	0.01	0.05	0.13	0.04	0.04	0.02	0.03	0.03	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.02	0.06	-0.01	0.01	0.02	0.02	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.01	0.03	0.09	0.00	-0.01	0.00	0.00	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.02	0.07	0.00	-0.01	0.00	0.00	0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.01	0.03	0.00	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.03	-0.01	0.00	0.02	0.00	0.00	0.01	0.02	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.01	0.03	0.00	0.02	0.04	0.03	0.03	0.03	0.01
CRMS 0258	-0.01	-0.01	-0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.01	0.02	0.05	0.01	-0.01	-0.01	0.00	0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00

Figure WQ TOTP 68 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.17	0.10	0.06	0.06	0.07	0.07	0.08	0.08	0.14	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.15	0.14	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.17	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.16	0.09	0.05	0.05	0.05	0.05	0.06	0.06	0.12	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.13	0.14	0.14	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.08	0.08	0.10	0.10	0.11	0.10	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.10	0.12	0.13	0.13	0.12	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.13	0.15	0.17	0.14	0.13	0.14	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.08	0.08	0.08	0.06	0.06	0.12	0.17
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.11	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.16	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.22	0.20	0.18	0.17	0.15	0.17

V3PR7 HYST - cy 1 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.17	0.16	0.15	0.15	0.13	0.12	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.16	0.16	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.25	0.23	0.24	0.24	0.23	0.22	0.16	0.10	0.11	0.16	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.15	0.12	0.14	0.17	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.09	0.10	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.19	0.22	0.20	0.21	0.20	0.20	0.19	0.15	0.09	0.09	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.14	0.14	0.14	0.12	0.09	0.10	0.13	0.16
HWQ14 - Lake Washington	0.16	0.17	0.17	0.15	0.14	0.13	0.13	0.12	0.10	0.12	0.16	0.18
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.11
CRMS 3985	0.16	0.18	0.18	0.17	0.16	0.16	0.14	0.14	0.13	0.15	0.17	0.16
CRMS 0258	0.18	0.19	0.18	0.18	0.16	0.17	0.16	0.12	0.06	0.06	0.13	0.18
CRMS 0224	0.18	0.20	0.19	0.19	0.18	0.18	0.17	0.12	0.07	0.08	0.13	0.16
CRMS 0163	0.18	0.20	0.19	0.20	0.19	0.19	0.17	0.16	0.17	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.21	0.22	0.21	0.21	0.21	0.20	0.18	0.17	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.15	0.19	0.19	0.17	0.14	0.10	0.10	0.03	0.00
CRMS0276 - Just east of Wilkinson Canal	0.02	0.00	0.00	0.00	0.00	0.00	0.04	0.02	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.04	0.07	0.07	0.15	0.18	0.18	0.17	0.11	0.04	0.05	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.03	0.07	0.10	0.08	0.06	0.01	-0.02	0.01	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.06	0.05	0.10	0.13	0.13	0.10	0.05	-0.02	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.04	0.06	0.05	0.09	0.11	0.12	0.09	0.05	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.02	0.02	0.02	0.05	0.06	0.06	0.04	0.03	-0.02	0.00	0.02	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.03	0.04	0.03	0.01	-0.01	-0.03	0.00	0.02	0.02
HWQ16 - Bayou Grand Liard	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.01	0.01	0.03	0.03	0.03	-0.01	-0.03	-0.01	0.02	0.03	0.01
CRMS 0258	0.00	0.02	0.02	0.08	0.08	0.09	0.08	0.04	0.00	0.00	0.01	0.01
CRMS 0224	0.01	0.04	0.04	0.10	0.11	0.12	0.10	0.05	0.00	0.00	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 69 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.09	0.06	0.06	0.07	0.07	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.17	0.11	0.10	0.12	0.10	0.10	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.16	0.19	0.21	0.23	0.19	0.16	0.15	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.08	0.06	0.06	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.14	0.10	0.09	0.10	0.13	0.14	0.14	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.10	0.09	0.08	0.10	0.10	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.13	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.14	0.12	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.10	0.12	0.15	0.17	0.14	0.13	0.12	0.13
CRMS 0258	0.16	0.17	0.14	0.10	0.09	0.09	0.08	0.08	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.16	0.14	0.09	0.07	0.07	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.16	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.16	0.21

V3PR7 HYST - cy 1 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.25	0.26	0.28	0.27	0.24	0.20	0.18	0.16	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.16	0.17	0.19	0.15	0.10	0.12	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.14	0.16	0.18	0.21	0.23	0.18	0.16	0.16	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.23	0.24	0.27	0.26	0.23	0.12	0.10	0.11	0.15	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.19	0.20	0.23	0.24	0.19	0.13	0.13	0.14	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.21	0.22	0.24	0.25	0.21	0.11	0.09	0.11	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.19	0.20	0.23	0.24	0.20	0.12	0.10	0.10	0.12	0.19
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.15	0.15	0.16	0.18	0.15	0.11	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.14	0.14	0.15	0.16	0.15	0.11	0.11	0.13	0.16	0.15
HWQ16 - Bayou Grand Liard	0.11	0.10	0.14	0.16	0.17	0.18	0.14	0.11	0.10	0.09	0.09	0.14
CRMS 3985	0.14	0.14	0.15	0.16	0.18	0.20	0.16	0.14	0.14	0.15	0.17	0.15
CRMS 0258	0.14	0.16	0.16	0.18	0.19	0.22	0.17	0.09	0.06	0.06	0.13	0.16
CRMS 0224	0.14	0.15	0.17	0.19	0.21	0.23	0.18	0.08	0.07	0.08	0.13	0.17
CRMS 0163	0.15	0.14	0.16	0.19	0.21	0.23	0.17	0.16	0.17	0.15	0.15	0.17
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.19	0.18	0.16	0.15	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.02	0.10	0.17	0.22	0.21	0.17	0.12	0.10	0.09	0.04	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.01	0.04	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.04	0.08	0.16	0.21	0.21	0.17	0.07	0.04	0.05	0.03	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.05	0.10	0.14	0.13	0.07	-0.01	-0.01	0.02	0.04	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.06	0.12	0.17	0.17	0.11	0.01	-0.01	0.00	0.02	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.05	0.10	0.14	0.15	0.10	0.02	-0.01	0.00	0.02	0.06
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.01	0.05	0.08	0.09	0.06	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.04	0.06	0.07	0.03	-0.01	-0.03	0.00	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.03	0.04	0.04	0.02	0.00	0.00	0.00	0.01	0.03
CRMS 3985	0.00	0.00	0.02	0.05	0.08	0.08	0.01	-0.03	0.00	0.02	0.05	0.03
CRMS 0258	-0.02	-0.01	0.02	0.07	0.11	0.12	0.09	0.01	0.00	0.00	0.01	0.03
CRMS 0224	-0.02	-0.01	0.02	0.10	0.14	0.16	0.11	0.02	0.00	0.01	0.02	0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 70 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.15	0.09	0.06	0.06	0.07	0.10	0.08	0.08	0.13	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.09	0.09	0.10	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.21	0.21	0.19	0.16	0.14	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.08	0.06	0.05	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.09	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.15	0.14	0.11	0.09	0.10	0.11	0.13	0.12	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.12	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.14	0.12	0.11	0.12	0.14	0.16	0.13	0.12	0.13	0.14
CRMS 0258	0.16	0.14	0.14	0.11	0.08	0.08	0.07	0.06	0.05	0.06	0.12	0.16
CRMS 0224	0.16	0.15	0.13	0.09	0.07	0.06	0.06	0.06	0.07	0.07	0.11	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.22	0.19	0.15	0.13	0.15	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.17	0.17	0.17	0.16	0.17

V3PR8 HYST - cy 1 - 1975 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.23	0.24	0.26	0.27	0.26	0.24	0.20	0.18	0.17	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.11	0.09	0.11	0.10	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.16	0.15	0.13	0.11	0.10	0.11	0.11	0.12	0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.23	0.24	0.26	0.25	0.22	0.15	0.11	0.10	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.20	0.23	0.22	0.19	0.13	0.12	0.14	0.14	0.16	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.20	0.22	0.24	0.24	0.20	0.13	0.09	0.10	0.11	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.17	0.19	0.21	0.23	0.22	0.19	0.13	0.09	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.16	0.17	0.17	0.14	0.11	0.09	0.10	0.11	0.13	0.15
HWQ14 - Lake Washington	0.15	0.14	0.15	0.16	0.16	0.13	0.12	0.11	0.12	0.13	0.16	0.16
HWQ16 - Bayou Grand Liard	0.13	0.14	0.16	0.18	0.18	0.14	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.15	0.17	0.18	0.19	0.15	0.13	0.15	0.15	0.15	0.15	0.14
CRMS 0258	0.15	0.16	0.18	0.20	0.20	0.16	0.10	0.06	0.06	0.06	0.13	0.16
CRMS 0224	0.16	0.17	0.18	0.21	0.21	0.17	0.10	0.07	0.08	0.08	0.12	0.15
CRMS 0163	0.16	0.18	0.18	0.21	0.21	0.18	0.14	0.13	0.15	0.15	0.15	0.15
CRMS 0162	0.19	0.20	0.22	0.24	0.23	0.21	0.20	0.17	0.17	0.17	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.08	0.11	0.18	0.20	0.18	0.13	0.08	0.09	0.09	0.04	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.03	-0.04	-0.05	-0.06	-0.06	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.04	0.06	0.10	0.18	0.20	0.17	0.10	0.05	0.04	0.05	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.06	0.11	0.13	0.08	0.01	-0.03	0.01	0.03	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.03	0.05	0.08	0.14	0.15	0.12	0.04	-0.02	-0.01	0.01	0.02	0.00
USGS 07380335 - Little Lake Near Cutoff	0.03	0.04	0.07	0.11	0.13	0.11	0.04	-0.01	-0.01	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.03	0.06	0.08	0.06	0.02	-0.01	-0.01	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.05	0.07	0.03	0.00	-0.02	0.00	0.02	0.03	0.01
HWQ16 - Bayou Grand Liard	0.02	0.01	0.03	0.04	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.01	0.02	0.03	0.06	0.07	0.03	-0.01	-0.01	0.02	0.03	0.02	0.01
CRMS 0258	0.00	0.01	0.04	0.09	0.12	0.08	0.03	0.01	0.00	0.00	0.01	0.00
CRMS 0224	-0.01	0.02	0.06	0.12	0.14	0.10	0.04	0.00	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 71 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.08	0.11	0.08	0.08	0.14	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.16	0.17	0.18	0.13	0.08	0.09	0.10	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.21	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.09	0.06	0.05	0.05	0.07	0.06	0.06	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.10	0.11	0.13	0.15	0.13	0.12	0.14	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.14	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.11	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.15	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.14	0.11	0.09	0.10	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.14	0.15	0.13	0.12	0.13	0.15	0.14	0.13	0.12	0.12	0.12
CRMS 0258	0.16	0.15	0.15	0.11	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.15
CRMS 0224	0.16	0.15	0.14	0.10	0.07	0.06	0.06	0.08	0.08	0.07	0.11	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.17	0.16	0.15	0.16	0.18

V3PR8 HYST - cy 1 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.25	0.27	0.27	0.27	0.20	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.12	0.15	0.17	0.17	0.18	0.12	0.08	0.09	0.11	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.15	0.15	0.15	0.16	0.13	0.10	0.10	0.11	0.10	0.12	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.24	0.25	0.26	0.26	0.15	0.12	0.11	0.10	0.11	0.15	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.20	0.22	0.22	0.23	0.13	0.12	0.14	0.15	0.15	0.16	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.25	0.13	0.09	0.10	0.10	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.20	0.22	0.22	0.23	0.13	0.09	0.10	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.18	0.17	0.18	0.11	0.09	0.10	0.11	0.11	0.13	0.15
HWQ14 - Lake Washington	0.14	0.15	0.16	0.16	0.17	0.12	0.11	0.12	0.13	0.14	0.16	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.18	0.18	0.18	0.13	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.13	0.16	0.18	0.18	0.19	0.13	0.13	0.16	0.15	0.15	0.15	0.12
CRMS 0258	0.14	0.17	0.19	0.20	0.21	0.10	0.07	0.07	0.06	0.06	0.14	0.15
CRMS 0224	0.14	0.18	0.20	0.21	0.22	0.11	0.07	0.07	0.08	0.09	0.13	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.13	0.15	0.14	0.15	0.15
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.19	0.19	0.17	0.16	0.15	0.16	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.17	0.21	0.15	0.11	0.07	0.09	0.08	0.03	0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.03	-0.04	-0.05	-0.06	-0.04	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.07	0.11	0.17	0.21	0.10	0.07	0.04	0.04	0.05	0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.10	0.13	0.02	-0.02	-0.01	0.02	0.03	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.09	0.12	0.16	0.05	-0.01	-0.02	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.05	0.08	0.10	0.14	0.05	0.00	-0.01	0.00	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.03	0.06	0.09	0.03	0.00	-0.02	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.05	0.07	0.02	-0.01	-0.02	0.01	0.03	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.02	0.03	0.04	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.02	0.03	0.05	0.07	0.00	-0.02	0.01	0.02	0.03	0.03	0.00
CRMS 0258	-0.02	0.02	0.05	0.08	0.12	0.02	0.01	0.01	0.01	0.01	0.02	0.00
CRMS 0224	-0.02	0.03	0.07	0.11	0.15	0.04	0.01	0.00	0.01	0.02	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 72 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.09	0.06	0.06	0.08	0.10	0.08	0.09	0.13	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.12	0.12	0.09	0.07	0.08	0.09	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.11	0.11	0.13	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.08	0.05	0.05	0.06	0.08	0.06	0.07	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.10	0.08	0.10	0.11	0.12	0.12	0.12	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.09	0.08	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.10	0.08	0.10	0.11	0.12	0.13	0.12	0.11	0.12
CRMS 0258	0.17	0.14	0.13	0.09	0.07	0.05	0.05	0.06	0.05	0.05	0.12	0.14
CRMS 0224	0.16	0.15	0.13	0.08	0.06	0.05	0.07	0.07	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.16	0.17	0.17

V3PR8 HYST - cy 1 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.21	0.20	0.19	0.21	0.18	0.17	0.16	0.16	0.16	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.11	0.11	0.11	0.09	0.07	0.08	0.09	0.09	0.10	0.11
Barataria Waterway at Lafitte (USACE82875)	0.13	0.12	0.12	0.12	0.12	0.11	0.09	0.09	0.10	0.10	0.12	0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.17	0.16	0.14	0.18	0.09	0.10	0.10	0.09	0.10	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.15	0.12	0.14	0.10	0.12	0.14	0.15	0.14	0.14	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.12	0.16	0.08	0.09	0.09	0.10	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.12	0.14	0.08	0.08	0.09	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.13	0.12	0.10	0.10	0.07	0.08	0.09	0.11	0.11	0.12	0.14
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.10	0.09	0.11	0.13	0.14	0.14	0.14	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.08	0.07	0.08	0.09	0.08	0.09	0.10
CRMS 3985	0.14	0.12	0.13	0.11	0.11	0.10	0.13	0.16	0.16	0.14	0.14	0.14
CRMS 0258	0.16	0.13	0.12	0.10	0.10	0.06	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.13	0.12	0.10	0.11	0.06	0.06	0.06	0.08	0.08	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.15	0.15	0.13	0.11	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.15	0.18	0.17	0.17	0.18	0.16	0.16	0.14	0.13	0.16	0.17	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.04	0.05	0.10	0.16	0.11	0.08	0.07	0.08	0.08	0.05	0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	-0.02	-0.03	-0.04	-0.03	-0.02	-0.03	-0.03	-0.03	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	0.00	0.01	0.05	0.13	0.04	0.04	0.02	0.03	0.03	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.02	0.06	0.00	0.01	0.02	0.03	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.01	0.03	0.09	0.01	-0.01	0.00	0.00	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.02	0.07	0.00	-0.01	0.00	0.00	0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.01	0.03	0.00	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.03	0.00	0.01	0.02	0.00	0.00	0.02	0.03	0.03	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 3985	0.00	-0.01	0.00	0.01	0.03	0.00	0.02	0.04	0.03	0.03	0.03	0.01
CRMS 0258	-0.01	-0.01	-0.01	0.01	0.03	0.01	0.01	0.00	0.01	0.01	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.01	0.02	0.05	0.01	-0.01	-0.01	0.00	0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 73 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.17	0.10	0.06	0.06	0.07	0.07	0.08	0.08	0.14	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.15	0.14	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.17	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.16	0.09	0.05	0.05	0.05	0.05	0.06	0.06	0.12	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.13	0.14	0.14	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.08	0.08	0.10	0.10	0.11	0.10	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.10	0.12	0.13	0.13	0.12	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.13	0.15	0.17	0.14	0.13	0.14	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.08	0.08	0.08	0.06	0.06	0.12	0.17
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.11	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.16	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.22	0.20	0.18	0.17	0.15	0.17

V3PR8 HYST - cy 1 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.17	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.17	0.16	0.14	0.15	0.13	0.12	0.11	0.10	0.10	0.11
Barataria Waterway at Lafitte (USACE82875)	0.15	0.16	0.16	0.14	0.13	0.13	0.11	0.11	0.13	0.11	0.12	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.25	0.23	0.24	0.24	0.23	0.22	0.16	0.10	0.11	0.16	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.15	0.12	0.14	0.17	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.09	0.10	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.19	0.22	0.20	0.21	0.20	0.20	0.19	0.15	0.09	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.14	0.14	0.14	0.12	0.09	0.10	0.13	0.15
HWQ14 - Lake Washington	0.16	0.17	0.17	0.15	0.14	0.14	0.13	0.12	0.10	0.12	0.16	0.16
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.09	0.11
CRMS 3985	0.15	0.18	0.18	0.17	0.16	0.16	0.14	0.14	0.13	0.14	0.15	0.11
CRMS 0258	0.18	0.19	0.18	0.18	0.16	0.17	0.16	0.12	0.06	0.06	0.14	0.18
CRMS 0224	0.18	0.20	0.19	0.19	0.18	0.18	0.17	0.12	0.07	0.08	0.13	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.18	0.16	0.16	0.17	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.21	0.21	0.21	0.21	0.21	0.20	0.18	0.17	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.15	0.19	0.19	0.17	0.14	0.10	0.10	0.04	0.01
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	-0.01	-0.01	0.00	0.04	0.02	-0.01	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.03	-0.03	-0.05	-0.05	-0.06	-0.06	-0.06	-0.03	-0.03	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.04	0.07	0.07	0.15	0.18	0.18	0.17	0.11	0.04	0.05	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.03	0.07	0.10	0.08	0.06	0.01	-0.02	0.01	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.06	0.05	0.10	0.13	0.13	0.11	0.05	-0.02	0.00	0.02	0.00
USGS 07380335 - Little Lake Near Cutoff	0.04	0.06	0.05	0.09	0.11	0.11	0.09	0.05	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.02	0.02	0.05	0.06	0.06	0.04	0.02	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.03	0.04	0.03	0.01	0.00	-0.03	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.01	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.01	0.01	0.03	0.03	0.03	-0.01	-0.03	-0.01	0.02	0.01	-0.03
CRMS 0258	0.00	0.02	0.02	0.08	0.08	0.09	0.09	0.04	0.00	0.00	0.01	0.01
CRMS 0224	0.01	0.04	0.04	0.10	0.11	0.12	0.10	0.05	0.00	0.00	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 74 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.09	0.06	0.06	0.07	0.07	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.17	0.11	0.10	0.12	0.10	0.10	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.16	0.19	0.21	0.23	0.19	0.16	0.15	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.08	0.06	0.06	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.14	0.10	0.09	0.10	0.13	0.14	0.14	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.10	0.09	0.08	0.10	0.10	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.13	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.14	0.12	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.10	0.12	0.15	0.17	0.14	0.13	0.12	0.13
CRMS 0258	0.16	0.17	0.14	0.10	0.09	0.09	0.08	0.08	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.16	0.14	0.09	0.07	0.07	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.16	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.16	0.21

V3PR8 HYST - cy 1 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.25	0.26	0.28	0.27	0.24	0.20	0.18	0.17	0.18	0.25
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.15	0.17	0.18	0.15	0.10	0.11	0.10	0.10	0.13
Barataria Waterway at Lafitte (USACE82875)	0.13	0.13	0.13	0.14	0.16	0.17	0.12	0.11	0.12	0.11	0.11	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.23	0.24	0.27	0.26	0.23	0.12	0.10	0.11	0.15	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.19	0.21	0.23	0.24	0.19	0.13	0.13	0.15	0.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.21	0.22	0.24	0.25	0.21	0.11	0.09	0.11	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.19	0.20	0.23	0.24	0.20	0.12	0.10	0.10	0.12	0.19
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.15	0.15	0.16	0.18	0.15	0.11	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.14	0.14	0.15	0.17	0.15	0.12	0.11	0.13	0.16	0.15
HWQ16 - Bayou Grand Liard	0.11	0.10	0.14	0.16	0.17	0.18	0.14	0.11	0.10	0.09	0.09	0.14
CRMS 3985	0.13	0.14	0.15	0.16	0.18	0.20	0.16	0.14	0.14	0.15	0.15	0.15
CRMS 0258	0.14	0.16	0.16	0.18	0.20	0.22	0.17	0.09	0.06	0.06	0.14	0.16
CRMS 0224	0.14	0.15	0.17	0.19	0.21	0.23	0.18	0.08	0.07	0.08	0.13	0.17
CRMS 0163	0.15	0.14	0.16	0.19	0.22	0.23	0.17	0.15	0.16	0.14	0.15	0.17
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.19	0.18	0.16	0.15	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	-0.02	0.10	0.17	0.22	0.21	0.17	0.12	0.10	0.09	0.04	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	0.01	0.04	0.00	-0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.03	-0.04	-0.05	-0.07	-0.07	-0.06	-0.03	-0.03	-0.03	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.04	0.08	0.16	0.21	0.21	0.17	0.07	0.04	0.05	0.03	0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.05	0.10	0.14	0.13	0.07	-0.01	-0.01	0.02	0.04	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.06	0.12	0.17	0.17	0.11	0.01	-0.02	0.00	0.02	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.05	0.10	0.14	0.15	0.10	0.02	-0.01	0.00	0.02	0.06
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.01	0.05	0.08	0.09	0.06	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.05	0.07	0.07	0.03	-0.01	-0.02	0.01	0.03	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.03	0.03	0.04	0.02	0.00	0.00	0.00	0.00	0.02
CRMS 3985	0.00	0.00	0.02	0.05	0.08	0.08	0.01	-0.03	0.00	0.03	0.04	0.02
CRMS 0258	-0.02	-0.01	0.03	0.07	0.11	0.13	0.09	0.01	0.00	0.00	0.01	0.03
CRMS 0224	-0.02	-0.01	0.02	0.10	0.14	0.16	0.11	0.02	0.00	0.01	0.02	0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01

Figure WQ TOTP 75 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.15	0.09	0.06	0.06	0.07	0.10	0.08	0.08	0.13	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.17	0.17	0.14	0.09	0.09	0.10	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.21	0.21	0.19	0.16	0.14	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.08	0.06	0.05	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.12	0.10	0.11	0.12	0.15	0.13	0.12	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.09	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.15	0.14	0.11	0.09	0.10	0.11	0.13	0.12	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.12	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.14	0.12	0.11	0.12	0.14	0.16	0.13	0.12	0.13	0.14
CRMS 0258	0.16	0.14	0.14	0.11	0.08	0.08	0.07	0.06	0.05	0.06	0.12	0.16
CRMS 0224	0.16	0.15	0.13	0.09	0.07	0.06	0.06	0.06	0.07	0.07	0.11	0.15
CRMS 0163	0.16	0.18	0.19	0.21	0.22	0.19	0.15	0.13	0.15	0.15	0.15	0.15
CRMS 0162	0.20	0.21	0.22	0.24	0.24	0.21	0.20	0.17	0.17	0.17	0.16	0.17

V3PR9 HYST - cy 1 - 1975 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.15	0.10	0.06	0.06	0.07	0.10	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.16	0.16	0.13	0.09	0.09	0.11	0.10	0.10	0.11
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.15	0.16	0.16	0.14	0.11	0.10	0.11	0.11	0.12	0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.08	0.06	0.05	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.11	0.10	0.11	0.13	0.15	0.13	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.11	0.11	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.10	0.09	0.08	0.09	0.10	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.15	0.14	0.11	0.09	0.10	0.12	0.14	0.13	0.12	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.14	0.14	0.13	0.12	0.10	0.09	0.10	0.09	0.09	0.10
CRMS 3985	0.14	0.14	0.13	0.12	0.11	0.12	0.15	0.16	0.13	0.12	0.12	0.13
CRMS 0258	0.16	0.15	0.14	0.11	0.08	0.08	0.07	0.06	0.05	0.06	0.12	0.15
CRMS 0224	0.16	0.15	0.13	0.09	0.07	0.06	0.06	0.07	0.08	0.07	0.11	0.14
CRMS 0163	0.16	0.18	0.19	0.22	0.21	0.18	0.14	0.13	0.15	0.14	0.15	0.15
CRMS 0162	0.19	0.21	0.22	0.24	0.24	0.21	0.20	0.17	0.17	0.17	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.02	-0.03	-0.05	-0.06	-0.05	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	-0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 3985	0.00	0.01	-0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.01	-0.01
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 76 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.08	0.11	0.08	0.08	0.14	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.16	0.17	0.18	0.13	0.08	0.09	0.10	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.19	0.21	0.22	0.17	0.15	0.14	0.14	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.09	0.06	0.05	0.05	0.07	0.06	0.06	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.10	0.11	0.13	0.15	0.13	0.12	0.14	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.14	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.11	0.09	0.08	0.09	0.11	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.15	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.14	0.11	0.09	0.10	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.14	0.15	0.13	0.12	0.13	0.15	0.14	0.13	0.12	0.12	0.12
CRMS 0258	0.16	0.15	0.15	0.11	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.15
CRMS 0224	0.16	0.15	0.14	0.10	0.07	0.06	0.06	0.08	0.08	0.07	0.11	0.15
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.17	0.14	0.14	0.15	0.14	0.15	0.16
CRMS 0162	0.19	0.22	0.24	0.23	0.25	0.20	0.19	0.17	0.16	0.15	0.16	0.18

V3PR9 HYST - cy 1 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.10	0.06	0.06	0.08	0.11	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.16	0.16	0.16	0.12	0.09	0.09	0.11	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.15	0.16	0.16	0.16	0.13	0.10	0.10	0.11	0.10	0.12	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.09	0.06	0.05	0.05	0.07	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.16	0.12	0.10	0.11	0.14	0.15	0.12	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.12	0.09	0.08	0.09	0.11	0.11	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.15	0.11	0.09	0.08	0.09	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.12	0.10	0.11	0.13	0.15	0.12	0.12	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.14	0.11	0.09	0.10	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.15	0.15	0.13	0.12	0.13	0.15	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.16	0.15	0.15	0.11	0.08	0.07	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.16	0.14	0.10	0.07	0.06	0.06	0.08	0.08	0.07	0.11	0.14
CRMS 0163	0.16	0.19	0.20	0.21	0.23	0.16	0.13	0.13	0.15	0.13	0.14	0.15
CRMS 0162	0.18	0.22	0.24	0.23	0.25	0.20	0.19	0.17	0.16	0.15	0.15	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.03	-0.04	-0.05	-0.06	-0.04	-0.05	-0.04	-0.03	-0.03	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 77 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.09	0.06	0.06	0.08	0.10	0.08	0.09	0.13	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.12	0.12	0.09	0.07	0.08	0.09	0.09	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.15	0.16	0.14	0.11	0.11	0.13	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.08	0.05	0.05	0.06	0.08	0.06	0.07	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.10	0.08	0.10	0.11	0.12	0.12	0.12	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.09	0.08	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.10	0.08	0.10	0.11	0.12	0.13	0.12	0.11	0.12
CRMS 0258	0.17	0.14	0.13	0.09	0.07	0.05	0.05	0.06	0.05	0.05	0.12	0.14
CRMS 0224	0.16	0.15	0.13	0.08	0.06	0.05	0.07	0.07	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.15	0.16	0.16	0.14	0.11	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.16	0.18	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.16	0.17	0.17

V3PR9 HYST - cy 1 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.15	0.10	0.06	0.06	0.08	0.10	0.09	0.09	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.11	0.11	0.09	0.08	0.08	0.10	0.09	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.12	0.12	0.12	0.12	0.11	0.09	0.09	0.10	0.10	0.12	0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.15	0.09	0.05	0.05	0.06	0.08	0.06	0.07	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.10	0.09	0.10	0.11	0.12	0.12	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.10	0.07	0.07	0.10	0.10	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.13	0.09	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.14
HWQ14 - Lake Washington	0.16	0.15	0.14	0.10	0.09	0.09	0.11	0.12	0.12	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.09	0.08	0.07	0.08	0.09	0.08	0.09	0.11
CRMS 3985	0.14	0.13	0.13	0.11	0.10	0.10	0.12	0.12	0.13	0.12	0.12	0.13
CRMS 0258	0.18	0.14	0.14	0.09	0.07	0.05	0.05	0.06	0.06	0.07	0.12	0.14
CRMS 0224	0.17	0.15	0.13	0.08	0.05	0.05	0.07	0.08	0.08	0.07	0.11	0.14
CRMS 0163	0.14	0.15	0.14	0.15	0.15	0.13	0.10	0.11	0.14	0.14	0.15	0.15
CRMS 0162	0.15	0.18	0.17	0.17	0.18	0.16	0.16	0.15	0.13	0.16	0.17	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	-0.02	-0.03	-0.04	-0.03	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.01	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 0258	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
CRMS 0224	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00

Figure WQ TOTP 78 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.17	0.10	0.06	0.06	0.07	0.07	0.08	0.08	0.14	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.16	0.17	0.16	0.15	0.14	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.19	0.19	0.19	0.19	0.19	0.17	0.17	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.16	0.09	0.05	0.05	0.05	0.05	0.06	0.06	0.12	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.17	0.13	0.10	0.11	0.13	0.14	0.14	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.08	0.08	0.10	0.10	0.11	0.10	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.10	0.10	0.12	0.13	0.13	0.12	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.16	0.17	0.17	0.14	0.13	0.13	0.15	0.17	0.14	0.13	0.14	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.08	0.08	0.08	0.06	0.06	0.12	0.17
CRMS 0224	0.18	0.17	0.15	0.09	0.06	0.06	0.06	0.06	0.07	0.07	0.11	0.16
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.19	0.17	0.16	0.16	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.22	0.20	0.18	0.17	0.15	0.17

V3PR9 HYST - cy 1 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.17	0.10	0.06	0.06	0.07	0.07	0.07	0.07	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.16	0.15	0.14	0.13	0.09	0.10	0.12	0.10	0.10	0.11
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.17	0.15	0.14	0.14	0.11	0.11	0.12	0.11	0.12	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.16	0.09	0.05	0.05	0.05	0.05	0.05	0.06	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.17	0.13	0.10	0.12	0.12	0.11	0.12	0.12	0.13	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.16	0.11	0.08	0.08	0.11	0.09	0.09	0.09	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.11	0.08	0.08	0.10	0.10	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.11	0.10	0.10	0.10	0.12	0.13
HWQ14 - Lake Washington	0.15	0.17	0.16	0.12	0.10	0.11	0.13	0.11	0.12	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.11	0.12	0.10	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.13	0.16	0.17	0.14	0.12	0.13	0.13	0.13	0.13	0.13	0.12	0.10
CRMS 0258	0.18	0.17	0.16	0.10	0.08	0.08	0.08	0.08	0.06	0.05	0.12	0.15
CRMS 0224	0.17	0.17	0.15	0.09	0.06	0.06	0.07	0.07	0.07	0.07	0.11	0.15
CRMS 0163	0.18	0.21	0.19	0.20	0.19	0.18	0.16	0.15	0.16	0.15	0.15	0.15
CRMS 0162	0.21	0.23	0.22	0.22	0.22	0.22	0.21	0.20	0.18	0.17	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.00	0.00	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.03	-0.02	-0.05	-0.05	-0.05	-0.06	-0.05	-0.03	-0.03	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.02	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.01	0.00	-0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	-0.01	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	-0.01
HWQ14 - Lake Washington	-0.02	0.00	0.00	0.00	0.00	0.01	0.01	-0.01	-0.01	0.00	-0.01	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	0.00	0.00	0.00	0.00	0.00	-0.02	-0.04	-0.01	0.00	-0.03	-0.05
CRMS 0258	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	-0.01	0.00	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 79 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.09	0.06	0.06	0.07	0.07	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.17	0.11	0.10	0.12	0.10	0.10	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.16	0.19	0.21	0.23	0.19	0.16	0.15	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.08	0.06	0.06	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.14	0.10	0.09	0.10	0.13	0.14	0.14	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.10	0.09	0.08	0.10	0.10	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.13	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.14	0.12	0.11	0.11	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.10	0.12	0.15	0.17	0.14	0.13	0.12	0.13
CRMS 0258	0.16	0.17	0.14	0.10	0.09	0.09	0.08	0.08	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.16	0.14	0.09	0.07	0.07	0.06	0.06	0.08	0.07	0.11	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.18	0.16	0.16	0.15	0.15	0.17
CRMS 0162	0.17	0.16	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.16	0.21

V3PR9 HYST - cy 1 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.09	0.06	0.06	0.07	0.07	0.08	0.08	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.12	0.15	0.16	0.16	0.11	0.10	0.11	0.10	0.10	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.13	0.15	0.17	0.17	0.12	0.11	0.12	0.10	0.11	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.19	0.16	0.08	0.06	0.05	0.05	0.06	0.06	0.06	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.14	0.10	0.09	0.11	0.13	0.14	0.14	0.12	0.14	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.14	0.10	0.07	0.07	0.09	0.10	0.10	0.10	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.10	0.08	0.08	0.10	0.10	0.11	0.10	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.10	0.10	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.15	0.16	0.14	0.10	0.08	0.10	0.12	0.13	0.14	0.13	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.14	0.12	0.11	0.10	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.10	0.12	0.15	0.17	0.14	0.13	0.13	0.13
CRMS 0258	0.17	0.17	0.13	0.10	0.08	0.09	0.08	0.08	0.05	0.05	0.12	0.14
CRMS 0224	0.16	0.16	0.14	0.09	0.07	0.07	0.06	0.06	0.07	0.07	0.11	0.14
CRMS 0163	0.15	0.14	0.17	0.19	0.22	0.24	0.17	0.15	0.16	0.14	0.14	0.17
CRMS 0162	0.16	0.15	0.21	0.22	0.25	0.26	0.22	0.20	0.18	0.16	0.15	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.03	-0.04	-0.04	-0.06	-0.07	-0.06	-0.03	-0.03	-0.03	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01
CRMS 0258	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 80 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.17	0.13	0.10	0.09	0.12	0.11	0.13	0.15
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.14	0.15	0.15	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.09	0.06	0.05	0.06	0.07	0.06	0.06	0.11	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.15	0.12	0.09	0.10	0.12	0.14	0.11	0.10	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.11	0.09	0.09	0.10	0.13	0.11	0.10	0.11	0.13
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.14	0.13	0.10	0.09	0.08	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.16	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.11	0.11	0.12
CRMS 0258	0.16	0.16	0.14	0.12	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.13
CRMS 0224	0.15	0.16	0.14	0.11	0.08	0.07	0.07	0.07	0.08	0.07	0.11	0.13
CRMS 0163	0.20	0.18	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.15	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.21	0.19	0.19	0.15	0.13	0.13	0.18	0.23

V3PR2 HYST - cy 2 - 1985 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.22	0.27	0.26	0.24	0.21	0.19	0.18	0.17	0.17	0.22	0.26
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.16	0.13	0.10	0.09	0.12	0.11	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.15	0.15	0.15	0.16	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.19	0.23	0.24	0.21	0.15	0.12	0.11	0.09	0.11	0.18	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.18	0.19	0.17	0.12	0.11	0.12	0.12	0.11	0.15	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.16	0.19	0.19	0.17	0.12	0.10	0.09	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.16	0.15	0.17	0.17	0.15	0.11	0.10	0.09	0.10	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.16	0.14	0.13	0.09	0.09	0.09	0.10	0.10	0.13	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.14	0.12	0.10	0.10	0.11	0.11	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.13	0.13	0.15	0.15	0.13	0.11	0.09	0.08	0.10	0.09	0.11	0.13
CRMS 3985	0.15	0.16	0.16	0.15	0.14	0.11	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.15	0.15	0.15	0.15	0.11	0.09	0.07	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.15	0.16	0.16	0.13	0.09	0.08	0.07	0.08	0.08	0.12	0.15
CRMS 0163	0.20	0.19	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.15	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.20	0.19	0.19	0.15	0.14	0.14	0.18	0.23

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.04	0.12	0.17	0.18	0.15	0.12	0.08	0.10	0.11	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.05	0.01	0.09	0.15	0.15	0.10	0.07	0.04	0.03	0.05	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.03	0.07	0.08	0.02	-0.01	-0.01	0.01	0.01	0.03	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.00	0.04	0.08	0.09	0.04	0.01	-0.01	0.00	0.01	0.03	0.05
USGS 07380335 - Little Lake Near Cutoff	0.02	0.00	0.03	0.05	0.06	0.03	0.01	-0.01	0.00	0.01	0.02	0.03
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.01	0.01	0.03	0.04	0.01	0.01	-0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.03	0.04	0.01	0.00	-0.02	0.01	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.03	0.03	-0.01	-0.02	0.01	0.01	0.01	0.02	0.02
CRMS 0258	0.00	-0.01	0.01	0.03	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 0224	0.01	-0.01	0.02	0.05	0.05	0.02	0.01	0.00	0.00	0.01	0.01	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 81 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.19	0.20	0.15	0.10	0.10	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.09	0.06	0.06	0.06	0.07	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.13	0.11	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.11	0.08	0.08	0.09	0.11	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.14	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.10	0.13
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.08	0.09	0.10	0.13	0.11	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.15	0.12	0.09	0.09	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.15	0.14	0.12	0.11	0.11	0.13	0.14	0.12	0.11	0.12	0.13
CRMS 0258	0.16	0.15	0.15	0.12	0.10	0.08	0.06	0.06	0.06	0.06	0.11	0.14
CRMS 0224	0.16	0.15	0.14	0.11	0.09	0.07	0.07	0.08	0.08	0.07	0.11	0.14
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.14	0.15	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.16	0.12	0.11	0.14	0.18

V3PR2 HYST - cy 2 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.25	0.26	0.26	0.27	0.21	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.18	0.19	0.15	0.10	0.10	0.12	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.16	0.15	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.22	0.23	0.24	0.25	0.14	0.12	0.11	0.09	0.10	0.15	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.18	0.19	0.19	0.12	0.11	0.13	0.12	0.12	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.17	0.19	0.19	0.20	0.12	0.09	0.10	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.17	0.17	0.18	0.12	0.09	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.16	0.14	0.14	0.10	0.09	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.14	0.15	0.14	0.13	0.11	0.10	0.11	0.12	0.11	0.14	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.15	0.12	0.09	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.13	0.14	0.16	0.15	0.15	0.12	0.12	0.15	0.13	0.13	0.14	0.14
CRMS 0258	0.14	0.15	0.16	0.15	0.14	0.09	0.07	0.07	0.06	0.06	0.13	0.15
CRMS 0224	0.14	0.15	0.17	0.16	0.15	0.09	0.07	0.08	0.08	0.08	0.12	0.15
CRMS 0163	0.17	0.20	0.22	0.23	0.24	0.19	0.16	0.15	0.16	0.15	0.16	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.17	0.13	0.12	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.17	0.21	0.15	0.13	0.09	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.05	0.09	0.15	0.18	0.09	0.06	0.04	0.03	0.04	0.04	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.03	0.07	0.10	0.02	-0.01	-0.01	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.02	0.04	0.08	0.11	0.04	0.01	-0.01	0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.03	0.05	0.08	0.04	0.00	0.00	0.00	0.01	0.02	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.03	0.05	0.02	0.00	-0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.04	0.02	0.00	-0.02	0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.01	0.01	0.03	0.04	0.01	-0.01	0.01	0.01	0.01	0.02	0.00
CRMS 0258	-0.02	0.00	0.01	0.03	0.04	0.00	0.01	0.01	0.00	0.00	0.02	0.01
CRMS 0224	-0.02	0.00	0.03	0.05	0.06	0.02	0.01	0.00	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 82 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.08	0.06	0.05	0.07	0.08	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.10	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.16	0.16	0.15	0.13	0.13	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.14	0.08	0.05	0.05	0.06	0.07	0.06	0.06	0.11	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.15	0.13	0.09	0.08	0.08	0.11	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.08	0.09	0.10
CRMS 3985	0.14	0.13	0.13	0.10	0.09	0.10	0.11	0.12	0.12	0.12	0.11	0.13
CRMS 0258	0.17	0.14	0.13	0.09	0.08	0.05	0.05	0.06	0.05	0.06	0.12	0.14
CRMS 0224	0.16	0.14	0.13	0.08	0.07	0.06	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.12	0.13	0.13	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.14	0.11	0.09	0.13	0.16	0.17

V3PR2 HYST - cy 2 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.20	0.20	0.19	0.21	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.12	0.13	0.13	0.11	0.08	0.08	0.10	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.16	0.15	0.13	0.14	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.16	0.15	0.12	0.16	0.09	0.10	0.10	0.09	0.09	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.14	0.11	0.12	0.09	0.10	0.13	0.12	0.11	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.13	0.11	0.12	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.12	0.10	0.11	0.08	0.08	0.09	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.09	0.07	0.08	0.09	0.10	0.10	0.12	0.13
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.12	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.13	0.11	0.10	0.10	0.12	0.14	0.13	0.12	0.12	0.13
CRMS 0258	0.16	0.13	0.12	0.09	0.08	0.06	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.13	0.12	0.09	0.09	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.12	0.13	0.14	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.15	0.11	0.09	0.14	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.05	0.11	0.16	0.13	0.10	0.08	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.01	0.02	0.05	0.10	0.04	0.04	0.03	0.03	0.03	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.02	0.05	0.00	0.00	0.02	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.02	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.01	0.01	0.03	0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.00	0.02	0.01	0.00	0.00	0.01	0.01	0.01	0.00
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.00	0.01	0.00	0.00	0.02	0.01	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.01	0.01	0.01	0.00
CRMS 0258	-0.01	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0224	-0.01	-0.01	-0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 83 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.16	0.10	0.06	0.06	0.06	0.07	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.17	0.16	0.16	0.12	0.12	0.13	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.11	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.17	0.12	0.09	0.10	0.11	0.13	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.17	0.16	0.12	0.09	0.09	0.10	0.12	0.11	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.15	0.16	0.17	0.14	0.12	0.11	0.13	0.15	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.09	0.08	0.08	0.07	0.06	0.12	0.15
CRMS 0224	0.17	0.17	0.15	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.11	0.15
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.17	0.17	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.16	0.15	0.14	0.16

V3PR2 HYST - cy 2 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.18	0.17	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.17	0.17	0.16	0.15	0.11	0.11	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.23	0.21	0.22	0.22	0.22	0.21	0.15	0.09	0.10	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.18	0.17	0.16	0.15	0.13	0.11	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.19	0.19	0.18	0.16	0.17	0.16	0.13	0.09	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.15	0.15	0.14	0.13	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.14	0.12	0.11	0.11	0.11	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.16	0.16	0.17	0.13	0.12	0.11	0.11	0.11	0.10	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.12	0.15	0.15	0.14	0.12	0.13	0.11	0.11	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.16	0.17	0.14	0.13	0.12	0.12	0.12	0.12	0.13	0.15	0.15
CRMS 0258	0.17	0.17	0.17	0.13	0.11	0.11	0.11	0.10	0.07	0.06	0.13	0.17
CRMS 0224	0.17	0.17	0.17	0.14	0.12	0.12	0.13	0.10	0.08	0.08	0.13	0.16
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.18	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.17	0.16	0.14	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.15	0.18	0.19	0.17	0.14	0.12	0.11	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.05	0.06	0.13	0.16	0.17	0.15	0.09	0.03	0.04	0.05	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.01	0.01	0.05	0.07	0.05	0.03	0.00	0.00	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.02	0.03	0.06	0.08	0.09	0.07	0.03	0.00	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.02	0.04	0.06	0.07	0.05	0.03	0.00	0.00	0.02	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.01	0.02	0.03	0.03	0.02	0.02	-0.01	0.00	0.02	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.02	0.03	0.02	0.01	-0.01	-0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.01	0.01	-0.02	-0.02	0.00	0.01	0.02	0.01
CRMS 0258	-0.01	0.00	0.01	0.02	0.02	0.03	0.04	0.02	0.00	0.00	0.01	0.02
CRMS 0224	0.00	0.00	0.02	0.04	0.04	0.05	0.06	0.03	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 84 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.14	0.09	0.06	0.06	0.07	0.07	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.20	0.13	0.11	0.13	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.16	0.19	0.22	0.24	0.20	0.17	0.16	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.15	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.12	0.11	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.14	0.10	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.11	0.09	0.08	0.10	0.10	0.10	0.10	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.09	0.07	0.08	0.10	0.11	0.12	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.12	0.11	0.10	0.09	0.09	0.11
CRMS 3985	0.12	0.14	0.13	0.10	0.09	0.10	0.13	0.15	0.13	0.12	0.12	0.10
CRMS 0258	0.16	0.16	0.13	0.11	0.10	0.10	0.08	0.08	0.06	0.06	0.11	0.13
CRMS 0224	0.15	0.16	0.14	0.10	0.08	0.08	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.16	0.15	0.18	0.21	0.23	0.24	0.19	0.17	0.17	0.15	0.15	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.15	0.12	0.14	0.21

V3PR2 HYST - cy 2 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.24	0.25	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.17	0.12	0.11	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.24	0.19	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.21	0.22	0.24	0.25	0.22	0.12	0.09	0.10	0.15	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.15	0.17	0.18	0.18	0.16	0.12	0.12	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.16	0.17	0.18	0.20	0.17	0.11	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.15	0.15	0.16	0.18	0.15	0.11	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.12	0.12	0.13	0.12	0.11	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.13	0.12	0.11	0.12	0.13	0.11	0.11	0.11	0.14	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.13	0.11	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.13	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.15	0.14
CRMS 0258	0.14	0.15	0.14	0.13	0.13	0.15	0.12	0.09	0.06	0.06	0.13	0.14
CRMS 0224	0.14	0.15	0.14	0.14	0.14	0.16	0.14	0.09	0.08	0.08	0.13	0.14
CRMS 0163	0.16	0.15	0.19	0.21	0.23	0.24	0.19	0.17	0.17	0.16	0.15	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.16	0.13	0.14	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.10	0.17	0.21	0.21	0.17	0.13	0.11	0.10	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	0.06	0.14	0.18	0.19	0.16	0.06	0.03	0.04	0.04	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.02	0.07	0.10	0.09	0.04	-0.01	-0.01	0.01	0.02	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.02	0.07	0.11	0.12	0.08	0.01	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.04	0.07	0.10	0.06	0.01	0.00	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.03	0.04	0.04	0.03	0.01	-0.01	0.00	0.02	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.03	0.04	0.04	0.03	0.00	-0.01	0.00	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.00	0.00	0.03	0.04	0.04	0.00	-0.02	0.00	0.01	0.02	0.03
CRMS 0258	-0.02	-0.01	0.01	0.02	0.03	0.05	0.04	0.01	0.00	0.00	0.01	0.01
CRMS 0224	-0.02	-0.01	0.00	0.04	0.06	0.09	0.07	0.02	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 85 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.17	0.13	0.10	0.09	0.12	0.11	0.13	0.15
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.14	0.15	0.15	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.09	0.06	0.05	0.06	0.07	0.06	0.06	0.11	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.15	0.12	0.09	0.10	0.12	0.14	0.11	0.10	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.11	0.09	0.09	0.10	0.13	0.11	0.10	0.11	0.13
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.14	0.13	0.10	0.09	0.08	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.16	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.11	0.11	0.12
CRMS 0258	0.16	0.16	0.14	0.12	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.13
CRMS 0224	0.15	0.16	0.14	0.11	0.08	0.07	0.07	0.07	0.08	0.07	0.11	0.13
CRMS 0163	0.20	0.18	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.15	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.21	0.19	0.19	0.15	0.13	0.13	0.18	0.23

V3PR3 HYST - cy 2 - 1985 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.22	0.27	0.26	0.24	0.21	0.19	0.18	0.17	0.17	0.22	0.26
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.16	0.13	0.10	0.09	0.12	0.11	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.15	0.15	0.15	0.16	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.19	0.23	0.23	0.21	0.15	0.13	0.12	0.09	0.11	0.18	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.18	0.19	0.17	0.12	0.11	0.12	0.12	0.11	0.15	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.16	0.19	0.19	0.17	0.12	0.10	0.09	0.10	0.10	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.16	0.15	0.17	0.17	0.15	0.11	0.10	0.09	0.10	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.16	0.15	0.13	0.09	0.09	0.09	0.10	0.10	0.13	0.14
HWQ14 - Lake Washington	0.15	0.16	0.15	0.14	0.12	0.10	0.10	0.11	0.11	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.13	0.13	0.15	0.15	0.13	0.11	0.09	0.08	0.10	0.09	0.11	0.13
CRMS 3985	0.15	0.16	0.16	0.15	0.14	0.11	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.16	0.15	0.16	0.15	0.11	0.09	0.07	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.16	0.15	0.16	0.16	0.13	0.09	0.08	0.07	0.08	0.08	0.12	0.15
CRMS 0163	0.20	0.19	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.16	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.20	0.19	0.19	0.15	0.13	0.14	0.18	0.23

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.05	0.12	0.17	0.18	0.15	0.12	0.08	0.10	0.11	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.05	0.01	0.09	0.14	0.15	0.10	0.07	0.04	0.03	0.05	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.03	0.07	0.08	0.02	-0.01	-0.01	0.01	0.01	0.03	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.00	0.04	0.08	0.09	0.04	0.01	-0.01	0.01	0.01	0.03	0.05
USGS 07380335 - Little Lake Near Cutoff	0.02	0.00	0.03	0.05	0.06	0.03	0.01	-0.01	0.00	0.01	0.02	0.03
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.01	0.01	0.04	0.04	0.01	0.01	-0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.03	0.04	0.01	0.00	-0.02	0.01	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.03	0.03	-0.01	-0.02	0.01	0.01	0.01	0.02	0.02
CRMS 0258	0.00	-0.01	0.01	0.03	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 0224	0.01	-0.01	0.02	0.05	0.05	0.02	0.01	0.00	0.00	0.01	0.01	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00

Figure WQ TOTP 86 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.19	0.20	0.15	0.10	0.10	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.09	0.06	0.06	0.06	0.07	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.13	0.11	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.11	0.08	0.08	0.09	0.11	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.14	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.10	0.13
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.08	0.09	0.10	0.13	0.11	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.15	0.12	0.09	0.09	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.15	0.14	0.12	0.11	0.11	0.13	0.14	0.12	0.11	0.12	0.13
CRMS 0258	0.16	0.15	0.15	0.12	0.10	0.08	0.06	0.06	0.06	0.06	0.11	0.14
CRMS 0224	0.16	0.15	0.14	0.11	0.09	0.07	0.07	0.08	0.08	0.07	0.11	0.14
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.14	0.15	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.16	0.12	0.11	0.14	0.18

V3PR3 HYST - cy 2 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.25	0.26	0.26	0.27	0.21	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.18	0.19	0.15	0.10	0.10	0.12	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.16	0.15	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.21	0.23	0.23	0.24	0.15	0.13	0.12	0.09	0.11	0.15	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.18	0.19	0.19	0.12	0.11	0.13	0.12	0.12	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.17	0.19	0.19	0.20	0.12	0.09	0.10	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.18	0.17	0.18	0.12	0.09	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.16	0.14	0.14	0.10	0.09	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.14	0.15	0.14	0.13	0.11	0.10	0.11	0.12	0.12	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.15	0.12	0.09	0.09	0.10	0.09	0.09	0.11
CRMS 3985	0.13	0.14	0.16	0.15	0.15	0.12	0.12	0.15	0.13	0.13	0.13	0.13
CRMS 0258	0.14	0.15	0.16	0.15	0.14	0.09	0.07	0.07	0.06	0.06	0.13	0.15
CRMS 0224	0.14	0.15	0.17	0.16	0.15	0.09	0.08	0.08	0.09	0.08	0.12	0.15
CRMS 0163	0.17	0.20	0.22	0.23	0.24	0.19	0.16	0.15	0.16	0.15	0.16	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.17	0.12	0.11	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.17	0.21	0.15	0.13	0.09	0.10	0.09	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.04	0.09	0.14	0.18	0.09	0.07	0.05	0.03	0.05	0.03	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.03	0.07	0.10	0.02	-0.01	-0.01	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.02	0.04	0.08	0.11	0.04	0.01	-0.01	0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.03	0.05	0.08	0.04	0.00	0.00	0.00	0.01	0.02	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.03	0.05	0.02	0.00	-0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.03	0.04	0.02	0.00	-0.02	0.01	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.01	0.01	0.03	0.04	0.01	-0.01	0.01	0.01	0.01	0.01	0.00
CRMS 0258	-0.02	0.00	0.02	0.03	0.04	0.00	0.01	0.01	0.00	0.01	0.02	0.01
CRMS 0224	-0.02	0.00	0.03	0.05	0.06	0.02	0.01	0.00	0.01	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 87 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.08	0.06	0.05	0.07	0.08	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.10	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.16	0.16	0.15	0.13	0.13	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.14	0.08	0.05	0.05	0.06	0.07	0.06	0.06	0.11	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.15	0.13	0.09	0.08	0.08	0.11	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.08	0.09	0.10
CRMS 3985	0.14	0.13	0.13	0.10	0.09	0.10	0.11	0.12	0.12	0.12	0.11	0.13
CRMS 0258	0.17	0.14	0.13	0.09	0.08	0.05	0.05	0.06	0.05	0.06	0.12	0.14
CRMS 0224	0.16	0.14	0.13	0.08	0.07	0.06	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.12	0.13	0.13	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.14	0.11	0.09	0.13	0.16	0.17

V3PR3 HYST - cy 2 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.20	0.20	0.19	0.21	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.12	0.13	0.13	0.11	0.08	0.08	0.10	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.16	0.15	0.13	0.14	0.14	0.14	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.16	0.15	0.13	0.16	0.09	0.11	0.11	0.09	0.10	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.14	0.11	0.12	0.09	0.10	0.13	0.12	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.13	0.11	0.12	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.12	0.10	0.11	0.08	0.08	0.09	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.09	0.07	0.08	0.09	0.10	0.10	0.12	0.13
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.12	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.10	0.10	0.10	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.13	0.11	0.10	0.10	0.12	0.14	0.13	0.12	0.12	0.13
CRMS 0258	0.16	0.13	0.12	0.09	0.09	0.06	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.13	0.12	0.09	0.09	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.13	0.13	0.14	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.14	0.11	0.09	0.14	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.05	0.11	0.16	0.13	0.10	0.09	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.01	0.01	0.05	0.10	0.04	0.05	0.04	0.03	0.03	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.02	0.05	0.00	0.00	0.02	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.02	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.01	0.01	0.03	0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.00	0.02	0.01	0.00	0.00	0.01	0.01	0.01	0.00
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.00	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.01	0.01	0.01	0.00
CRMS 0258	-0.01	0.00	-0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	-0.01	-0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 88 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.16	0.10	0.06	0.06	0.06	0.07	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.17	0.16	0.16	0.12	0.12	0.13	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.11	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.17	0.12	0.09	0.10	0.11	0.13	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.17	0.16	0.12	0.09	0.09	0.10	0.12	0.11	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.15	0.16	0.17	0.14	0.12	0.11	0.13	0.15	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.09	0.08	0.08	0.07	0.06	0.12	0.15
CRMS 0224	0.17	0.17	0.15	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.11	0.15
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.17	0.17	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.16	0.15	0.14	0.16

V3PR3 HYST - cy 2 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.18	0.17	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.17	0.16	0.15	0.11	0.12	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.23	0.21	0.22	0.21	0.22	0.21	0.15	0.09	0.11	0.16	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.18	0.17	0.16	0.15	0.13	0.11	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.19	0.19	0.18	0.16	0.17	0.16	0.13	0.09	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.15	0.15	0.14	0.13	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.14	0.12	0.11	0.11	0.11	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.16	0.16	0.17	0.13	0.12	0.11	0.11	0.11	0.10	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.12	0.15	0.15	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.16	0.17	0.14	0.13	0.12	0.12	0.12	0.12	0.13	0.15	0.15
CRMS 0258	0.17	0.17	0.17	0.13	0.11	0.11	0.12	0.10	0.07	0.06	0.13	0.17
CRMS 0224	0.17	0.17	0.17	0.14	0.12	0.13	0.13	0.11	0.08	0.08	0.13	0.16
CRMS 0163	0.19	0.22	0.21	0.21	0.21	0.21	0.18	0.18	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.17	0.16	0.14	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.15	0.18	0.19	0.17	0.14	0.12	0.11	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.05	0.06	0.13	0.16	0.16	0.15	0.09	0.03	0.05	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.01	0.02	0.05	0.07	0.05	0.03	0.00	0.00	0.01	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.02	0.03	0.06	0.08	0.09	0.07	0.03	0.00	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.02	0.01	0.02	0.04	0.06	0.07	0.05	0.03	0.00	0.00	0.02	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.01	0.02	0.03	0.03	0.02	0.02	-0.01	0.00	0.02	0.02
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.02	0.03	0.02	0.01	-0.01	-0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.02	0.01	-0.02	-0.02	0.00	0.01	0.02	0.01
CRMS 0258	-0.01	0.00	0.01	0.02	0.02	0.03	0.04	0.02	0.00	0.00	0.01	0.02
CRMS 0224	0.00	0.01	0.02	0.04	0.04	0.06	0.06	0.03	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 89 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.14	0.09	0.06	0.06	0.07	0.07	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.20	0.13	0.11	0.13	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.16	0.19	0.22	0.24	0.20	0.17	0.16	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.15	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.12	0.11	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.14	0.10	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.11	0.09	0.08	0.10	0.10	0.10	0.10	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.09	0.07	0.08	0.10	0.11	0.12	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.12	0.11	0.10	0.09	0.09	0.11
CRMS 3985	0.12	0.14	0.13	0.10	0.09	0.10	0.13	0.15	0.13	0.12	0.12	0.10
CRMS 0258	0.16	0.16	0.13	0.11	0.10	0.10	0.08	0.08	0.06	0.06	0.11	0.13
CRMS 0224	0.15	0.16	0.14	0.10	0.08	0.08	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.16	0.15	0.18	0.21	0.23	0.24	0.19	0.17	0.17	0.15	0.15	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.15	0.12	0.14	0.21

V3PR3 HYST - cy 2 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.24	0.25	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.18	0.13	0.11	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.24	0.19	0.17	0.17	0.15	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.20	0.22	0.24	0.25	0.21	0.13	0.09	0.11	0.15	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.15	0.17	0.18	0.18	0.16	0.12	0.12	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.16	0.17	0.18	0.20	0.17	0.11	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.16	0.18	0.15	0.11	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.12	0.12	0.12	0.12	0.11	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.13	0.12	0.11	0.12	0.13	0.11	0.11	0.11	0.14	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.13	0.11	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.13	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.15	0.14
CRMS 0258	0.14	0.16	0.14	0.13	0.13	0.15	0.13	0.09	0.06	0.06	0.13	0.14
CRMS 0224	0.14	0.15	0.14	0.14	0.14	0.17	0.14	0.09	0.08	0.08	0.13	0.14
CRMS 0163	0.16	0.15	0.19	0.21	0.23	0.24	0.19	0.17	0.17	0.16	0.16	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.16	0.13	0.14	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.10	0.17	0.21	0.21	0.17	0.13	0.11	0.10	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	0.05	0.14	0.18	0.19	0.16	0.07	0.03	0.05	0.04	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.02	0.07	0.10	0.09	0.04	-0.01	0.00	0.01	0.02	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.02	0.07	0.11	0.12	0.08	0.01	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.04	0.07	0.10	0.06	0.01	0.00	0.00	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.03	0.04	0.04	0.03	0.01	-0.01	0.00	0.02	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.03	0.04	0.04	0.03	0.00	-0.01	0.00	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.00	0.00	0.03	0.04	0.04	0.00	-0.02	0.00	0.01	0.02	0.03
CRMS 0258	-0.02	-0.01	0.01	0.02	0.03	0.05	0.04	0.01	0.00	0.00	0.02	0.01
CRMS 0224	-0.02	-0.01	0.00	0.04	0.06	0.09	0.07	0.02	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 90 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.17	0.13	0.10	0.09	0.12	0.11	0.13	0.15
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.14	0.15	0.15	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.09	0.06	0.05	0.06	0.07	0.06	0.06	0.11	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.15	0.12	0.09	0.10	0.12	0.14	0.11	0.10	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.11	0.09	0.09	0.10	0.13	0.11	0.10	0.11	0.13
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.14	0.13	0.10	0.09	0.08	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.16	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.11	0.11	0.12
CRMS 0258	0.16	0.16	0.14	0.12	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.13
CRMS 0224	0.15	0.16	0.14	0.11	0.08	0.07	0.07	0.07	0.08	0.07	0.11	0.13
CRMS 0163	0.20	0.18	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.15	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.21	0.19	0.19	0.15	0.13	0.13	0.18	0.23

V3PR4 HYST - cy 2 - 1985 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.25	0.22	0.27	0.26	0.24	0.21	0.19	0.18	0.17	0.17	0.22	0.26
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.16	0.13	0.10	0.09	0.12	0.11	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.15	0.15	0.15	0.16	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.20	0.25	0.25	0.22	0.16	0.13	0.12	0.10	0.12	0.19	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.16	0.19	0.20	0.18	0.12	0.11	0.13	0.12	0.12	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.17	0.21	0.21	0.18	0.13	0.10	0.09	0.10	0.10	0.15	0.20
USGS 07380335 - Little Lake Near Cutoff	0.17	0.15	0.19	0.19	0.17	0.12	0.10	0.09	0.10	0.10	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.16	0.16	0.13	0.09	0.09	0.09	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.16	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.13	0.13	0.15	0.16	0.14	0.11	0.09	0.08	0.10	0.09	0.11	0.14
CRMS 3985	0.15	0.16	0.16	0.16	0.14	0.10	0.12	0.14	0.13	0.12	0.14	0.15
CRMS 0258	0.16	0.15	0.17	0.17	0.14	0.10	0.07	0.07	0.06	0.07	0.12	0.16
CRMS 0224	0.17	0.15	0.17	0.18	0.15	0.09	0.08	0.08	0.09	0.08	0.13	0.16
CRMS 0163	0.20	0.19	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.16	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.20	0.19	0.19	0.16	0.14	0.14	0.18	0.23

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.05	0.12	0.17	0.18	0.15	0.12	0.08	0.10	0.11	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.02	0.10	0.16	0.16	0.10	0.07	0.04	0.04	0.06	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.00	0.04	0.08	0.09	0.02	-0.01	-0.01	0.01	0.01	0.04	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.00	0.06	0.10	0.10	0.05	0.01	-0.01	0.01	0.01	0.04	0.07
USGS 07380335 - Little Lake Near Cutoff	0.03	0.00	0.04	0.07	0.08	0.04	0.01	0.00	0.00	0.01	0.03	0.05
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.01	0.02	0.05	0.05	0.02	0.01	-0.01	0.00	0.01	0.02	0.02
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.04	0.04	0.01	0.00	-0.02	0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.01	0.04	0.03	-0.01	-0.02	0.01	0.01	0.01	0.03	0.02
CRMS 0258	0.01	-0.01	0.02	0.05	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.02
CRMS 0224	0.02	-0.01	0.03	0.07	0.07	0.03	0.02	0.00	0.00	0.01	0.02	0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 91 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.19	0.20	0.15	0.10	0.10	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.09	0.06	0.06	0.06	0.07	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.13	0.11	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.11	0.08	0.08	0.09	0.11	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.14	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.10	0.13
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.08	0.09	0.10	0.13	0.11	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.15	0.12	0.09	0.09	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.15	0.14	0.12	0.11	0.11	0.13	0.14	0.12	0.11	0.12	0.13
CRMS 0258	0.16	0.15	0.15	0.12	0.10	0.08	0.06	0.06	0.06	0.06	0.11	0.14
CRMS 0224	0.16	0.15	0.14	0.11	0.09	0.07	0.07	0.08	0.08	0.07	0.11	0.14
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.14	0.15	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.16	0.12	0.11	0.14	0.18

V3PR4 HYST - cy 2 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.18	0.18	0.15	0.10	0.10	0.12	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.16	0.15	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.23	0.25	0.25	0.26	0.16	0.13	0.12	0.10	0.11	0.15	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.19	0.20	0.21	0.12	0.11	0.13	0.12	0.12	0.15	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.21	0.20	0.22	0.13	0.09	0.10	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.17	0.19	0.19	0.20	0.13	0.09	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.16	0.15	0.15	0.11	0.09	0.09	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.15	0.14	0.14	0.11	0.10	0.11	0.12	0.11	0.14	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.16	0.13	0.09	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.13	0.15	0.16	0.16	0.16	0.12	0.12	0.15	0.13	0.13	0.14	0.14
CRMS 0258	0.14	0.15	0.17	0.17	0.17	0.09	0.07	0.07	0.06	0.06	0.13	0.15
CRMS 0224	0.14	0.16	0.18	0.18	0.18	0.10	0.08	0.08	0.09	0.09	0.13	0.15
CRMS 0163	0.17	0.20	0.22	0.23	0.24	0.19	0.16	0.15	0.16	0.15	0.16	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.17	0.13	0.12	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.12	0.17	0.21	0.15	0.13	0.09	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.06	0.10	0.16	0.19	0.10	0.07	0.05	0.04	0.05	0.04	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.02	0.04	0.08	0.12	0.03	-0.01	0.00	0.02	0.02	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.03	0.06	0.10	0.14	0.05	0.01	-0.01	0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.02	0.05	0.07	0.11	0.05	0.01	0.00	0.00	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.02	0.04	0.06	0.03	0.00	0.00	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.04	0.05	0.02	0.00	-0.02	0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	0.00	0.02	0.04	0.05	0.01	-0.01	0.01	0.01	0.02	0.02	0.01
CRMS 0258	-0.02	0.00	0.03	0.05	0.07	0.01	0.01	0.01	0.01	0.01	0.02	0.01
CRMS 0224	-0.02	0.01	0.04	0.07	0.10	0.02	0.01	0.00	0.01	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 92 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.08	0.06	0.05	0.07	0.08	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.10	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.16	0.16	0.15	0.13	0.13	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.14	0.08	0.05	0.05	0.06	0.07	0.06	0.06	0.11	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.15	0.13	0.09	0.08	0.08	0.11	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.08	0.09	0.10
CRMS 3985	0.14	0.13	0.13	0.10	0.09	0.10	0.11	0.12	0.12	0.12	0.11	0.13
CRMS 0258	0.17	0.14	0.13	0.09	0.08	0.05	0.05	0.06	0.05	0.06	0.12	0.14
CRMS 0224	0.16	0.14	0.13	0.08	0.07	0.06	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.12	0.13	0.13	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.14	0.11	0.09	0.13	0.16	0.17

V3PR4 HYST - cy 2 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.21	0.20	0.19	0.21	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.10	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.15	0.15	0.16	0.16	0.15	0.14	0.14	0.14	0.14	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.16	0.16	0.13	0.17	0.10	0.11	0.11	0.10	0.11	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.14	0.12	0.13	0.09	0.11	0.13	0.12	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.13	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.12	0.11	0.12	0.08	0.09	0.09	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.09	0.08	0.08	0.09	0.10	0.10	0.12	0.13
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.12	0.12	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.10	0.10	0.10	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.11	0.10	0.10	0.13	0.14	0.13	0.12	0.13	0.13
CRMS 0258	0.16	0.13	0.12	0.09	0.09	0.06	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.13	0.12	0.10	0.10	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.13	0.13	0.14	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.15	0.11	0.09	0.15	0.16	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.05	0.11	0.16	0.13	0.10	0.09	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.00	0.02	0.06	0.11	0.05	0.05	0.04	0.04	0.04	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.02	0.05	0.00	0.00	0.02	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.02	0.06	0.01	0.00	0.01	0.01	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.01	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.01	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.00
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.02	0.00	0.00	0.02	0.02	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.01	0.00	0.01	0.02	0.01	0.01	0.01	0.00
CRMS 0258	-0.01	-0.01	-0.01	0.00	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	-0.01	-0.01	0.01	0.03	0.01	0.00	0.00	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.00	0.00

Figure WQ TOTP 93 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.16	0.10	0.06	0.06	0.06	0.07	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.17	0.16	0.16	0.12	0.12	0.13	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.11	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.17	0.12	0.09	0.10	0.11	0.13	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.17	0.16	0.12	0.09	0.09	0.10	0.12	0.11	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.15	0.16	0.17	0.14	0.12	0.11	0.13	0.15	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.09	0.08	0.08	0.07	0.06	0.12	0.15
CRMS 0224	0.17	0.17	0.15	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.11	0.15
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.17	0.17	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.16	0.15	0.14	0.16

V3PR4 HYST - cy 2 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.18	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.17	0.17	0.15	0.15	0.12	0.12	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.24	0.22	0.23	0.23	0.23	0.21	0.16	0.10	0.12	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.19	0.19	0.19	0.18	0.17	0.15	0.13	0.11	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.20	0.19	0.19	0.18	0.18	0.17	0.14	0.09	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.17	0.19	0.18	0.18	0.16	0.17	0.16	0.13	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.15	0.13	0.12	0.12	0.12	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.16	0.16	0.17	0.14	0.12	0.12	0.12	0.11	0.10	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.13	0.15	0.16	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.15	0.14	0.13	0.12	0.12	0.12	0.13	0.15	0.15
CRMS 0258	0.17	0.17	0.17	0.15	0.13	0.14	0.14	0.11	0.07	0.06	0.13	0.17
CRMS 0224	0.17	0.18	0.18	0.17	0.14	0.15	0.15	0.12	0.08	0.08	0.13	0.16
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.18	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.17	0.16	0.14	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.15	0.19	0.19	0.17	0.14	0.12	0.11	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.06	0.07	0.14	0.17	0.17	0.16	0.10	0.04	0.06	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.02	0.02	0.06	0.08	0.06	0.04	0.00	0.00	0.01	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.03	0.04	0.04	0.08	0.10	0.11	0.09	0.04	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.02	0.03	0.03	0.06	0.08	0.09	0.06	0.03	0.00	0.00	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.02	0.03	0.04	0.04	0.03	0.02	-0.01	0.00	0.02	0.02
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.02	0.03	0.03	0.01	0.00	-0.01	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.02	0.01	-0.01	-0.02	0.00	0.01	0.02	0.01
CRMS 0258	-0.01	0.01	0.02	0.04	0.05	0.05	0.06	0.03	0.00	0.00	0.02	0.02
CRMS 0224	0.00	0.02	0.03	0.06	0.07	0.08	0.08	0.04	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 94 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.14	0.09	0.06	0.06	0.07	0.07	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.20	0.13	0.11	0.13	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.16	0.19	0.22	0.24	0.20	0.17	0.16	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.15	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.12	0.11	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.14	0.10	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.11	0.09	0.08	0.10	0.10	0.10	0.10	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.09	0.07	0.08	0.10	0.11	0.12	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.12	0.11	0.10	0.09	0.09	0.11
CRMS 3985	0.12	0.14	0.13	0.10	0.09	0.10	0.13	0.15	0.13	0.12	0.12	0.10
CRMS 0258	0.16	0.16	0.13	0.11	0.10	0.10	0.08	0.08	0.06	0.06	0.11	0.13
CRMS 0224	0.15	0.16	0.14	0.10	0.08	0.08	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.16	0.15	0.18	0.21	0.23	0.24	0.19	0.17	0.17	0.15	0.15	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.15	0.12	0.14	0.21

V3PR4 HYST - cy 2 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.25	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.18	0.13	0.12	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.24	0.19	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.22	0.23	0.26	0.26	0.22	0.13	0.10	0.12	0.15	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.16	0.18	0.19	0.20	0.17	0.12	0.12	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.18	0.19	0.20	0.22	0.18	0.11	0.10	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.16	0.17	0.19	0.20	0.17	0.12	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.13	0.13	0.14	0.13	0.11	0.10	0.10	0.13	0.14
HWQ14 - Lake Washington	0.14	0.15	0.14	0.12	0.12	0.13	0.13	0.11	0.10	0.11	0.14	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.14	0.16	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.14	0.14	0.16	0.13	0.13	0.13	0.13	0.15	0.14
CRMS 0258	0.14	0.15	0.14	0.15	0.16	0.18	0.15	0.09	0.07	0.06	0.13	0.15
CRMS 0224	0.14	0.15	0.15	0.16	0.17	0.20	0.16	0.09	0.09	0.08	0.13	0.15
CRMS 0163	0.16	0.15	0.19	0.21	0.23	0.24	0.19	0.17	0.17	0.16	0.16	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.16	0.14	0.14	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.10	0.17	0.21	0.21	0.17	0.13	0.11	0.10	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	0.07	0.15	0.19	0.20	0.16	0.07	0.04	0.06	0.04	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.03	0.08	0.11	0.11	0.05	-0.01	-0.01	0.01	0.03	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.04	0.09	0.13	0.14	0.10	0.02	0.00	0.01	0.02	0.04
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.02	0.06	0.10	0.12	0.07	0.02	0.00	0.00	0.02	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.04	0.05	0.06	0.04	0.01	-0.01	0.00	0.02	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.03	0.05	0.05	0.03	0.00	-0.01	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.00	0.01	0.03	0.05	0.05	0.00	-0.02	0.00	0.01	0.02	0.04
CRMS 0258	-0.02	-0.01	0.01	0.04	0.06	0.08	0.07	0.01	0.00	0.00	0.02	0.01
CRMS 0224	-0.01	-0.01	0.01	0.06	0.08	0.12	0.09	0.02	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 95 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.17	0.13	0.10	0.09	0.12	0.11	0.13	0.15
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.14	0.15	0.15	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.09	0.06	0.05	0.06	0.07	0.06	0.06	0.11	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.15	0.12	0.09	0.10	0.12	0.14	0.11	0.10	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.11	0.09	0.09	0.10	0.13	0.11	0.10	0.11	0.13
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.14	0.13	0.10	0.09	0.08	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.16	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.11	0.11	0.12
CRMS 0258	0.16	0.16	0.14	0.12	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.13
CRMS 0224	0.15	0.16	0.14	0.11	0.08	0.07	0.07	0.07	0.08	0.07	0.11	0.13
CRMS 0163	0.20	0.18	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.15	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.21	0.19	0.19	0.15	0.13	0.13	0.18	0.23

V3PR5 HYST - cy 2 - 1985 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.25	0.22	0.27	0.26	0.24	0.21	0.19	0.18	0.17	0.17	0.22	0.26
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.16	0.13	0.10	0.09	0.12	0.11	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.15	0.15	0.15	0.16	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.20	0.25	0.24	0.22	0.16	0.13	0.12	0.10	0.12	0.19	0.24
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.16	0.19	0.20	0.18	0.12	0.11	0.12	0.12	0.12	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.19	0.17	0.20	0.21	0.18	0.13	0.10	0.09	0.10	0.10	0.15	0.20
USGS 07380335 - Little Lake Near Cutoff	0.17	0.15	0.19	0.19	0.17	0.12	0.10	0.09	0.10	0.10	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.16	0.16	0.13	0.09	0.09	0.09	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.16	0.16	0.15	0.13	0.10	0.10	0.11	0.12	0.11	0.14	0.14
HWQ16 - Bayou Grand Liard	0.14	0.13	0.15	0.16	0.14	0.11	0.09	0.08	0.10	0.09	0.11	0.14
CRMS 3985	0.15	0.16	0.16	0.16	0.14	0.11	0.12	0.14	0.13	0.12	0.14	0.15
CRMS 0258	0.16	0.15	0.17	0.17	0.14	0.09	0.07	0.07	0.06	0.07	0.12	0.15
CRMS 0224	0.17	0.15	0.17	0.18	0.15	0.09	0.08	0.08	0.09	0.08	0.13	0.16
CRMS 0163	0.20	0.19	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.16	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.21	0.19	0.19	0.16	0.14	0.14	0.18	0.23

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.05	0.12	0.17	0.18	0.15	0.12	0.08	0.10	0.11	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.02	0.10	0.15	0.16	0.10	0.08	0.05	0.04	0.06	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.00	0.04	0.09	0.09	0.02	-0.01	-0.01	0.01	0.01	0.04	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.00	0.06	0.10	0.10	0.05	0.01	-0.01	0.01	0.01	0.04	0.07
USGS 07380335 - Little Lake Near Cutoff	0.03	0.00	0.04	0.07	0.08	0.04	0.01	0.00	0.00	0.01	0.03	0.05
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.01	0.02	0.05	0.05	0.02	0.01	-0.01	0.00	0.01	0.02	0.02
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.04	0.04	0.01	0.00	-0.02	0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.01	0.04	0.03	-0.01	-0.02	0.01	0.01	0.01	0.03	0.02
CRMS 0258	0.01	-0.01	0.02	0.05	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.02
CRMS 0224	0.02	-0.01	0.03	0.07	0.07	0.02	0.02	0.00	0.00	0.01	0.02	0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 96 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.19	0.20	0.15	0.10	0.10	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.09	0.06	0.06	0.06	0.07	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.13	0.11	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.11	0.08	0.08	0.09	0.11	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.14	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.10	0.13
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.08	0.09	0.10	0.13	0.11	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.15	0.12	0.09	0.09	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.15	0.14	0.12	0.11	0.11	0.13	0.14	0.12	0.11	0.12	0.13
CRMS 0258	0.16	0.15	0.15	0.12	0.10	0.08	0.06	0.06	0.06	0.06	0.11	0.14
CRMS 0224	0.16	0.15	0.14	0.11	0.09	0.07	0.07	0.08	0.08	0.07	0.11	0.14
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.14	0.15	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.16	0.12	0.11	0.14	0.18

V3PR5 HYST - cy 2 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.25	0.26	0.26	0.27	0.20	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.16	0.18	0.18	0.15	0.10	0.10	0.11	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.22	0.23	0.19	0.16	0.16	0.15	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.22	0.24	0.24	0.25	0.14	0.12	0.11	0.09	0.10	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.20	0.20	0.21	0.13	0.11	0.13	0.13	0.13	0.15	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.21	0.20	0.22	0.13	0.10	0.10	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.17	0.19	0.19	0.20	0.13	0.10	0.10	0.11	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.17	0.15	0.15	0.11	0.09	0.10	0.11	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.15	0.16	0.15	0.14	0.11	0.11	0.12	0.12	0.12	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.16	0.13	0.09	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.15	0.16	0.16	0.16	0.12	0.12	0.15	0.13	0.13	0.14	0.14
CRMS 0258	0.13	0.15	0.17	0.16	0.16	0.09	0.07	0.07	0.06	0.06	0.12	0.14
CRMS 0224	0.14	0.16	0.18	0.18	0.18	0.10	0.08	0.08	0.09	0.09	0.12	0.15
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.15	0.16	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.17	0.13	0.12	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.12	0.17	0.21	0.15	0.12	0.09	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.06	0.10	0.15	0.19	0.09	0.07	0.04	0.03	0.04	0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.02	0.05	0.08	0.12	0.03	-0.01	0.00	0.02	0.02	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.03	0.06	0.10	0.13	0.05	0.01	-0.01	0.01	0.02	0.03	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.02	0.05	0.07	0.11	0.05	0.01	0.00	0.00	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.02	0.04	0.06	0.03	0.01	0.00	0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.04	0.06	0.02	0.00	-0.01	0.02	0.02	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.01	0.01
CRMS 3985	0.00	0.00	0.02	0.04	0.06	0.01	-0.01	0.01	0.02	0.02	0.02	0.01
CRMS 0258	-0.03	0.00	0.02	0.04	0.07	0.01	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 0224	-0.02	0.01	0.04	0.07	0.09	0.02	0.01	0.00	0.01	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 97 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.08	0.06	0.05	0.07	0.08	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.10	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.16	0.16	0.15	0.13	0.13	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.14	0.08	0.05	0.05	0.06	0.07	0.06	0.06	0.11	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.15	0.13	0.09	0.08	0.08	0.11	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.08	0.09	0.10
CRMS 3985	0.14	0.13	0.13	0.10	0.09	0.10	0.11	0.12	0.12	0.12	0.11	0.13
CRMS 0258	0.17	0.14	0.13	0.09	0.08	0.05	0.05	0.06	0.05	0.06	0.12	0.14
CRMS 0224	0.16	0.14	0.13	0.08	0.07	0.06	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.12	0.13	0.13	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.14	0.11	0.09	0.13	0.16	0.17

V3PR5 HYST - cy 2 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.21	0.20	0.19	0.21	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.10	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.15	0.15	0.16	0.16	0.15	0.14	0.14	0.14	0.14	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.16	0.16	0.13	0.16	0.09	0.11	0.11	0.09	0.10	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.14	0.12	0.13	0.09	0.11	0.13	0.12	0.12	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.13	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.12	0.11	0.12	0.08	0.09	0.09	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.09	0.08	0.08	0.09	0.10	0.10	0.12	0.13
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.09	0.09	0.10	0.12	0.12	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.10	0.10	0.10	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.11	0.10	0.10	0.13	0.15	0.13	0.13	0.13	0.13
CRMS 0258	0.16	0.13	0.12	0.09	0.09	0.06	0.06	0.06	0.06	0.06	0.12	0.13
CRMS 0224	0.15	0.13	0.12	0.10	0.10	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.13	0.13	0.14	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.15	0.12	0.09	0.15	0.16	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.05	0.11	0.16	0.12	0.10	0.08	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.00	0.02	0.05	0.11	0.05	0.05	0.04	0.04	0.04	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.02	0.05	0.00	0.00	0.02	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.02	0.06	0.01	0.00	0.01	0.01	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.01	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.01	0.02	0.01	0.00	0.00	0.01	0.01	0.01	0.00
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.02	0.00	0.00	0.02	0.01	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.01	0.00	0.01	0.03	0.01	0.01	0.01	0.00
CRMS 0258	-0.01	-0.01	-0.01	0.00	0.02	0.00	0.01	0.01	0.00	0.00	0.00	-0.01
CRMS 0224	-0.01	-0.01	-0.01	0.01	0.03	0.01	0.00	0.00	0.01	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 98 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.16	0.10	0.06	0.06	0.06	0.07	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.17	0.16	0.16	0.12	0.12	0.13	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.11	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.17	0.12	0.09	0.10	0.11	0.13	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.17	0.16	0.12	0.09	0.09	0.10	0.12	0.11	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.15	0.16	0.17	0.14	0.12	0.11	0.13	0.15	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.09	0.08	0.08	0.07	0.06	0.12	0.15
CRMS 0224	0.17	0.17	0.15	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.11	0.15
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.17	0.17	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.16	0.15	0.14	0.16

V3PR5 HYST - cy 2 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.18	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.17	0.17	0.15	0.15	0.12	0.12	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.24	0.22	0.23	0.23	0.22	0.21	0.16	0.10	0.11	0.16	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.19	0.19	0.19	0.18	0.17	0.16	0.13	0.11	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.20	0.19	0.19	0.18	0.18	0.17	0.14	0.09	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.17	0.19	0.18	0.18	0.16	0.17	0.16	0.13	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.15	0.13	0.12	0.12	0.12	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.16	0.16	0.17	0.14	0.12	0.12	0.12	0.11	0.10	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.13	0.15	0.16	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.15	0.14	0.13	0.12	0.12	0.12	0.13	0.15	0.15
CRMS 0258	0.17	0.17	0.17	0.15	0.13	0.14	0.14	0.11	0.07	0.06	0.13	0.17
CRMS 0224	0.17	0.18	0.18	0.16	0.14	0.15	0.15	0.12	0.08	0.08	0.13	0.16
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.18	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.17	0.16	0.14	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.15	0.19	0.19	0.17	0.14	0.12	0.11	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	-0.01	-0.01	-0.02	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.06	0.07	0.14	0.17	0.17	0.16	0.10	0.04	0.05	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.02	0.02	0.06	0.08	0.07	0.04	0.00	0.00	0.02	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.03	0.04	0.04	0.08	0.10	0.11	0.09	0.04	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.02	0.03	0.03	0.06	0.08	0.09	0.06	0.03	0.00	0.00	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.02	0.03	0.04	0.04	0.03	0.02	-0.01	0.00	0.02	0.02
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.02	0.03	0.03	0.02	0.00	-0.01	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.00	0.02	0.02	0.02	-0.01	-0.02	0.00	0.01	0.02	0.01
CRMS 0258	-0.01	0.01	0.02	0.04	0.05	0.05	0.06	0.03	0.00	0.00	0.02	0.02
CRMS 0224	0.00	0.02	0.03	0.06	0.06	0.08	0.08	0.04	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 99 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.14	0.09	0.06	0.06	0.07	0.07	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.20	0.13	0.11	0.13	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.16	0.19	0.22	0.24	0.20	0.17	0.16	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.15	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.12	0.11	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.14	0.10	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.11	0.09	0.08	0.10	0.10	0.10	0.10	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.09	0.07	0.08	0.10	0.11	0.12	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.12	0.11	0.10	0.09	0.09	0.11
CRMS 3985	0.12	0.14	0.13	0.10	0.09	0.10	0.13	0.15	0.13	0.12	0.12	0.10
CRMS 0258	0.16	0.16	0.13	0.11	0.10	0.10	0.08	0.08	0.06	0.06	0.11	0.13
CRMS 0224	0.15	0.16	0.14	0.10	0.08	0.08	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.16	0.15	0.18	0.21	0.23	0.24	0.19	0.17	0.17	0.15	0.15	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.15	0.12	0.14	0.21

V3PR5 HYST - cy 2 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.25	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.18	0.13	0.12	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.24	0.19	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.22	0.23	0.25	0.25	0.22	0.13	0.10	0.11	0.15	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.17	0.18	0.20	0.21	0.17	0.12	0.12	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.18	0.19	0.20	0.22	0.18	0.11	0.10	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.16	0.17	0.18	0.20	0.17	0.12	0.10	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.13	0.13	0.14	0.13	0.11	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.14	0.15	0.14	0.12	0.12	0.13	0.13	0.11	0.11	0.11	0.14	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.14	0.16	0.13	0.11	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.14	0.15	0.16	0.13	0.13	0.13	0.13	0.15	0.14
CRMS 0258	0.14	0.15	0.14	0.15	0.15	0.18	0.15	0.09	0.06	0.06	0.13	0.15
CRMS 0224	0.14	0.15	0.15	0.16	0.17	0.20	0.16	0.09	0.08	0.08	0.13	0.15
CRMS 0163	0.16	0.15	0.19	0.21	0.23	0.24	0.19	0.17	0.17	0.16	0.16	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.16	0.14	0.14	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.10	0.17	0.21	0.21	0.17	0.13	0.11	0.10	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	0.07	0.15	0.19	0.19	0.16	0.08	0.04	0.05	0.04	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.03	0.08	0.12	0.11	0.05	-0.01	0.00	0.01	0.03	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.03	0.09	0.13	0.14	0.10	0.02	0.00	0.01	0.02	0.04
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.02	0.06	0.10	0.12	0.07	0.02	0.00	0.00	0.02	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.04	0.05	0.06	0.04	0.01	-0.01	0.00	0.02	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.03	0.05	0.05	0.03	0.00	-0.01	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.00	0.01	0.04	0.05	0.06	0.00	-0.02	0.00	0.01	0.03	0.04
CRMS 0258	-0.02	-0.01	0.01	0.04	0.06	0.08	0.07	0.01	0.00	0.00	0.01	0.01
CRMS 0224	-0.02	-0.01	0.01	0.06	0.08	0.12	0.09	0.02	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 100 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.17	0.13	0.10	0.09	0.12	0.11	0.13	0.15
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.14	0.15	0.15	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.09	0.06	0.05	0.06	0.07	0.06	0.06	0.11	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.15	0.12	0.09	0.10	0.12	0.14	0.11	0.10	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.11	0.09	0.09	0.10	0.13	0.11	0.10	0.11	0.13
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.14	0.13	0.10	0.09	0.08	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.16	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.11	0.11	0.12
CRMS 0258	0.16	0.16	0.14	0.12	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.13
CRMS 0224	0.15	0.16	0.14	0.11	0.08	0.07	0.07	0.07	0.08	0.07	0.11	0.13
CRMS 0163	0.20	0.18	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.15	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.21	0.19	0.19	0.15	0.13	0.13	0.18	0.23

V3PR6 HYST - cy 2 - 1985 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.25	0.22	0.27	0.27	0.24	0.21	0.19	0.18	0.17	0.18	0.23	0.26
CRMS0276 - Just east of Wilkinson Canal	0.16	0.15	0.16	0.19	0.17	0.13	0.10	0.09	0.12	0.11	0.13	0.15
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.15	0.15	0.15	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.20	0.26	0.26	0.23	0.16	0.13	0.12	0.10	0.12	0.20	0.25
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.17	0.22	0.22	0.20	0.14	0.11	0.12	0.13	0.12	0.16	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.21	0.18	0.23	0.23	0.21	0.15	0.10	0.09	0.10	0.11	0.17	0.23
USGS 07380335 - Little Lake Near Cutoff	0.20	0.17	0.22	0.22	0.20	0.13	0.11	0.09	0.10	0.10	0.15	0.21
USGS073802516 Barataria Pass at Grand Isle	0.17	0.15	0.18	0.18	0.15	0.10	0.10	0.09	0.10	0.10	0.14	0.17
HWQ14 - Lake Washington	0.15	0.15	0.16	0.17	0.14	0.10	0.10	0.11	0.12	0.12	0.14	0.15
HWQ16 - Bayou Grand Liard	0.15	0.14	0.17	0.18	0.16	0.11	0.10	0.08	0.10	0.09	0.12	0.16
CRMS 3985	0.16	0.15	0.18	0.19	0.16	0.11	0.11	0.14	0.13	0.12	0.14	0.17
CRMS 0258	0.18	0.16	0.19	0.20	0.17	0.11	0.07	0.07	0.06	0.07	0.14	0.18
CRMS 0224	0.19	0.16	0.20	0.21	0.18	0.11	0.09	0.08	0.09	0.09	0.15	0.20
CRMS 0163	0.20	0.19	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.16	0.18	0.21
CRMS 0162	0.21	0.19	0.23	0.23	0.20	0.19	0.19	0.16	0.14	0.15	0.18	0.23

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.05	0.12	0.17	0.18	0.16	0.12	0.08	0.10	0.11	0.12	0.13
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.07	0.03	0.11	0.17	0.17	0.11	0.07	0.05	0.04	0.06	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.04	0.01	0.07	0.11	0.11	0.04	-0.01	-0.01	0.02	0.02	0.05	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.06	0.02	0.08	0.12	0.13	0.07	0.02	-0.01	0.01	0.02	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.06	0.02	0.07	0.10	0.11	0.06	0.02	0.00	0.00	0.01	0.05	0.08
USGS073802516 Barataria Pass at Grand Isle	0.03	0.00	0.03	0.07	0.07	0.03	0.01	-0.01	0.00	0.01	0.03	0.04
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.06	0.06	0.01	0.00	-0.02	0.01	0.01	0.03	0.02
HWQ16 - Bayou Grand Liard	0.02	0.01	0.03	0.04	0.03	0.01	0.01	0.00	0.00	0.00	0.01	0.03
CRMS 3985	0.01	0.00	0.03	0.06	0.05	0.00	-0.02	0.01	0.01	0.01	0.03	0.04
CRMS 0258	0.02	0.00	0.05	0.08	0.08	0.02	0.01	0.01	0.01	0.01	0.02	0.05
CRMS 0224	0.04	0.00	0.06	0.10	0.10	0.04	0.02	0.00	0.01	0.02	0.04	0.07
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00

Figure WQ TOTP 101 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.19	0.20	0.15	0.10	0.10	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.09	0.06	0.06	0.06	0.07	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.13	0.11	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.11	0.08	0.08	0.09	0.11	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.14	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.10	0.13
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.08	0.09	0.10	0.13	0.11	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.15	0.12	0.09	0.09	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.15	0.14	0.12	0.11	0.11	0.13	0.14	0.12	0.11	0.12	0.13
CRMS 0258	0.16	0.15	0.15	0.12	0.10	0.08	0.06	0.06	0.06	0.06	0.11	0.14
CRMS 0224	0.16	0.15	0.14	0.11	0.09	0.07	0.07	0.08	0.08	0.07	0.11	0.14
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.14	0.15	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.16	0.12	0.11	0.14	0.18

V3PR6 HYST - cy 2 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.19	0.20	0.15	0.10	0.10	0.12	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.16	0.15	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.24	0.26	0.26	0.26	0.16	0.13	0.12	0.11	0.12	0.15	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.20	0.22	0.22	0.24	0.13	0.11	0.13	0.13	0.13	0.16	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.24	0.14	0.10	0.10	0.11	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.20	0.22	0.22	0.23	0.14	0.10	0.10	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.18	0.17	0.18	0.12	0.09	0.10	0.11	0.10	0.13	0.15
HWQ14 - Lake Washington	0.14	0.15	0.17	0.16	0.17	0.12	0.10	0.11	0.12	0.12	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.17	0.18	0.18	0.14	0.09	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.16	0.18	0.18	0.20	0.13	0.12	0.15	0.14	0.14	0.15	0.14
CRMS 0258	0.14	0.17	0.19	0.20	0.21	0.10	0.07	0.07	0.06	0.07	0.13	0.15
CRMS 0224	0.14	0.19	0.21	0.21	0.22	0.12	0.08	0.08	0.09	0.09	0.13	0.16
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.15	0.16	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.17	0.13	0.13	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.09	0.12	0.17	0.21	0.15	0.12	0.09	0.10	0.10	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.07	0.11	0.17	0.20	0.10	0.07	0.05	0.05	0.06	0.04	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.11	0.14	0.03	-0.01	0.00	0.02	0.03	0.04	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.09	0.12	0.16	0.06	0.01	-0.01	0.01	0.02	0.03	0.03
USGS 07380335 - Little Lake Near Cutoff	0.01	0.05	0.07	0.10	0.14	0.06	0.01	0.00	0.01	0.01	0.02	0.03
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.04	0.06	0.09	0.04	0.00	0.00	0.01	0.01	0.03	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.06	0.08	0.03	0.00	-0.02	0.01	0.02	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.02	0.03	0.04	0.04	0.02	0.00	0.00	0.00	0.01	0.01	0.01
CRMS 3985	0.00	0.01	0.04	0.06	0.09	0.02	-0.01	0.01	0.02	0.02	0.03	0.01
CRMS 0258	-0.02	0.02	0.05	0.08	0.11	0.02	0.01	0.01	0.01	0.01	0.02	0.02
CRMS 0224	-0.01	0.03	0.07	0.10	0.14	0.04	0.01	0.01	0.01	0.02	0.03	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00

Figure WQ TOTP 102 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.08	0.06	0.05	0.07	0.08	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.10	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.16	0.16	0.15	0.13	0.13	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.14	0.08	0.05	0.05	0.06	0.07	0.06	0.06	0.11	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.15	0.13	0.09	0.08	0.08	0.11	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.08	0.09	0.10
CRMS 3985	0.14	0.13	0.13	0.10	0.09	0.10	0.11	0.12	0.12	0.12	0.11	0.13
CRMS 0258	0.17	0.14	0.13	0.09	0.08	0.05	0.05	0.06	0.05	0.06	0.12	0.14
CRMS 0224	0.16	0.14	0.13	0.08	0.07	0.06	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.12	0.13	0.13	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.14	0.11	0.09	0.13	0.16	0.17

V3PR6 HYST - cy 2 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.21	0.20	0.19	0.21	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.14	0.15	0.16	0.16	0.15	0.13	0.14	0.15	0.14	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.17	0.14	0.17	0.09	0.11	0.11	0.10	0.10	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.15	0.12	0.14	0.09	0.11	0.13	0.13	0.13	0.14	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.12	0.16	0.08	0.09	0.09	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.12	0.14	0.08	0.09	0.09	0.10	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.11	0.08	0.08	0.09	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.10	0.09	0.10	0.12	0.12	0.12	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.14	0.11	0.11	0.10	0.13	0.15	0.14	0.13	0.13	0.13
CRMS 0258	0.16	0.13	0.13	0.10	0.11	0.06	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.14	0.13	0.11	0.12	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.13	0.13	0.15	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.15	0.12	0.09	0.15	0.16	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.06	0.11	0.16	0.12	0.10	0.09	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.01	0.03	0.06	0.12	0.04	0.05	0.04	0.04	0.04	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.02	0.06	0.00	0.01	0.02	0.02	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.01	0.03	0.09	0.01	0.00	0.00	0.01	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.00	0.02	0.07	0.01	0.00	0.00	0.01	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.01	0.03	0.01	0.00	0.00	0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.02	0.00	0.00	0.01	0.02	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.02	0.00	0.01	0.03	0.02	0.01	0.02	0.00
CRMS 0258	-0.01	-0.01	0.00	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00
CRMS 0224	0.00	-0.01	0.00	0.02	0.05	0.01	0.00	0.00	0.01	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.02	0.00	0.00

Figure WQ TOTP 103 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.16	0.10	0.06	0.06	0.06	0.07	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.17	0.16	0.16	0.12	0.12	0.13	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.11	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.17	0.12	0.09	0.10	0.11	0.13	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.17	0.16	0.12	0.09	0.09	0.10	0.12	0.11	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.15	0.16	0.17	0.14	0.12	0.11	0.13	0.15	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.09	0.08	0.08	0.07	0.06	0.12	0.15
CRMS 0224	0.17	0.17	0.15	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.11	0.15
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.17	0.17	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.16	0.15	0.14	0.16

V3PR6 HYST - cy 2 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.16	0.17	0.18	0.17	0.16	0.16	0.14	0.13	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.19	0.20	0.19	0.20	0.17	0.17	0.16	0.15	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.23	0.24	0.24	0.23	0.22	0.16	0.10	0.12	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.14	0.11	0.12	0.16	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.09	0.10	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.19	0.21	0.20	0.21	0.20	0.20	0.18	0.15	0.10	0.10	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.15	0.14	0.14	0.13	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.16	0.17	0.17	0.15	0.14	0.14	0.13	0.12	0.10	0.11	0.15	0.17
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.16	0.15	0.15	0.13	0.12	0.11	0.09	0.10	0.11
CRMS 3985	0.17	0.18	0.18	0.17	0.16	0.16	0.14	0.13	0.12	0.13	0.15	0.15
CRMS 0258	0.18	0.19	0.18	0.18	0.17	0.18	0.17	0.12	0.07	0.06	0.14	0.18
CRMS 0224	0.19	0.21	0.19	0.20	0.18	0.19	0.18	0.13	0.08	0.09	0.13	0.17
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.20	0.18	0.18	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.17	0.17	0.14	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.15	0.19	0.19	0.17	0.14	0.12	0.11	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.04	0.07	0.07	0.15	0.18	0.18	0.17	0.10	0.05	0.06	0.05	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.05	0.03	0.08	0.11	0.09	0.06	0.01	0.00	0.02	0.04	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.06	0.05	0.10	0.13	0.13	0.11	0.06	0.00	0.01	0.03	0.02
USGS 07380335 - Little Lake Near Cutoff	0.04	0.06	0.05	0.09	0.11	0.11	0.09	0.05	0.00	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.02	0.02	0.03	0.05	0.06	0.06	0.05	0.03	-0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	0.00	0.00	0.01	0.04	0.05	0.05	0.03	0.00	-0.02	0.01	0.03	0.02
HWQ16 - Bayou Grand Liard	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.02	0.01	0.03	0.05	0.04	0.01	-0.01	-0.01	0.01	0.03	0.01
CRMS 0258	0.00	0.02	0.03	0.07	0.08	0.09	0.09	0.04	0.01	0.01	0.02	0.03
CRMS 0224	0.02	0.04	0.04	0.09	0.10	0.12	0.11	0.06	0.00	0.01	0.03	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00

Figure WQ TOTP 104 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.14	0.09	0.06	0.06	0.07	0.07	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.20	0.13	0.11	0.13	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.16	0.19	0.22	0.24	0.20	0.17	0.16	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.15	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.12	0.11	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.14	0.10	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.11	0.09	0.08	0.10	0.10	0.10	0.10	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.09	0.07	0.08	0.10	0.11	0.12	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.12	0.11	0.10	0.09	0.09	0.11
CRMS 3985	0.12	0.14	0.13	0.10	0.09	0.10	0.13	0.15	0.13	0.12	0.12	0.10
CRMS 0258	0.16	0.16	0.13	0.11	0.10	0.10	0.08	0.08	0.06	0.06	0.11	0.13
CRMS 0224	0.15	0.16	0.14	0.10	0.08	0.08	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.16	0.15	0.18	0.21	0.23	0.24	0.19	0.17	0.17	0.15	0.15	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.15	0.12	0.14	0.21

V3PR6 HYST - cy 2 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.28	0.27	0.24	0.20	0.18	0.17	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.20	0.16	0.12	0.13	0.11	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.16	0.19	0.22	0.24	0.19	0.17	0.17	0.15	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.23	0.24	0.27	0.26	0.23	0.13	0.11	0.12	0.16	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.19	0.21	0.23	0.24	0.19	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.20	0.22	0.24	0.24	0.21	0.12	0.10	0.11	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.19	0.20	0.22	0.23	0.20	0.13	0.10	0.10	0.13	0.19
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.15	0.15	0.16	0.18	0.15	0.12	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.14	0.14	0.15	0.17	0.15	0.11	0.10	0.12	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.14	0.16	0.17	0.18	0.14	0.12	0.10	0.09	0.10	0.14
CRMS 3985	0.13	0.14	0.15	0.16	0.18	0.20	0.16	0.13	0.13	0.14	0.15	0.15
CRMS 0258	0.14	0.16	0.16	0.18	0.20	0.22	0.18	0.09	0.07	0.06	0.13	0.16
CRMS 0224	0.14	0.15	0.17	0.19	0.21	0.23	0.19	0.10	0.09	0.09	0.13	0.17
CRMS 0163	0.16	0.15	0.18	0.21	0.23	0.24	0.19	0.18	0.18	0.16	0.16	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.17	0.14	0.14	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.11	0.17	0.22	0.21	0.17	0.13	0.11	0.10	0.05	0.11
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.03	0.01	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	0.08	0.16	0.20	0.20	0.17	0.07	0.05	0.06	0.05	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.01	-0.01	0.05	0.11	0.15	0.14	0.08	-0.01	-0.01	0.02	0.04	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.06	0.12	0.16	0.17	0.12	0.02	0.00	0.01	0.03	0.07
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.05	0.10	0.14	0.15	0.10	0.02	0.00	0.01	0.02	0.06
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.01	0.06	0.08	0.09	0.06	0.02	-0.01	0.00	0.02	0.03
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.05	0.07	0.08	0.05	0.00	-0.02	0.01	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.03	0.03	0.04	0.02	0.01	0.00	0.00	0.01	0.02
CRMS 3985	0.01	0.00	0.02	0.06	0.09	0.09	0.03	-0.02	0.00	0.02	0.03	0.05
CRMS 0258	-0.02	-0.01	0.03	0.07	0.10	0.12	0.10	0.01	0.00	0.01	0.02	0.03
CRMS 0224	-0.01	-0.01	0.03	0.09	0.13	0.15	0.12	0.03	0.00	0.01	0.03	0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	0.00	0.00

Figure WQ TOTP 105 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.17	0.13	0.10	0.09	0.12	0.11	0.13	0.15
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.14	0.15	0.15	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.09	0.06	0.05	0.06	0.07	0.06	0.06	0.11	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.15	0.12	0.09	0.10	0.12	0.14	0.11	0.10	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.11	0.09	0.09	0.10	0.13	0.11	0.10	0.11	0.13
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.14	0.13	0.10	0.09	0.08	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.16	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.11	0.11	0.12
CRMS 0258	0.16	0.16	0.14	0.12	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.13
CRMS 0224	0.15	0.16	0.14	0.11	0.08	0.07	0.07	0.07	0.08	0.07	0.11	0.13
CRMS 0163	0.20	0.18	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.15	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.21	0.19	0.19	0.15	0.13	0.13	0.18	0.23

V3PR7 HYST - cy 2 - 1985 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.25	0.22	0.27	0.27	0.24	0.21	0.19	0.18	0.17	0.17	0.23	0.26
CRMS0276 - Just east of Wilkinson Canal	0.16	0.15	0.16	0.19	0.17	0.13	0.10	0.09	0.12	0.11	0.13	0.15
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.15	0.15	0.15	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.20	0.26	0.25	0.22	0.16	0.13	0.12	0.10	0.12	0.19	0.25
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.17	0.22	0.22	0.20	0.14	0.11	0.12	0.13	0.13	0.16	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.21	0.18	0.23	0.23	0.21	0.15	0.10	0.09	0.10	0.11	0.17	0.23
USGS 07380335 - Little Lake Near Cutoff	0.20	0.17	0.22	0.22	0.20	0.14	0.11	0.09	0.10	0.10	0.15	0.21
USGS073802516 Barataria Pass at Grand Isle	0.17	0.16	0.18	0.18	0.15	0.10	0.10	0.09	0.10	0.10	0.14	0.17
HWQ14 - Lake Washington	0.15	0.15	0.16	0.17	0.14	0.10	0.10	0.11	0.12	0.12	0.14	0.15
HWQ16 - Bayou Grand Liard	0.15	0.14	0.17	0.18	0.16	0.11	0.10	0.08	0.10	0.09	0.11	0.16
CRMS 3985	0.16	0.15	0.18	0.19	0.16	0.11	0.11	0.14	0.13	0.13	0.14	0.17
CRMS 0258	0.18	0.16	0.19	0.20	0.17	0.11	0.07	0.07	0.06	0.07	0.14	0.18
CRMS 0224	0.19	0.16	0.20	0.21	0.18	0.11	0.09	0.08	0.09	0.09	0.15	0.20
CRMS 0163	0.20	0.19	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.16	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.20	0.19	0.19	0.16	0.14	0.15	0.18	0.23

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.05	0.12	0.17	0.18	0.15	0.12	0.08	0.10	0.11	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.02	0.11	0.16	0.16	0.10	0.07	0.05	0.04	0.06	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.04	0.01	0.07	0.11	0.11	0.04	-0.01	-0.01	0.02	0.02	0.05	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.06	0.02	0.08	0.12	0.13	0.07	0.02	-0.01	0.01	0.02	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.06	0.02	0.07	0.10	0.11	0.06	0.02	0.00	0.00	0.01	0.05	0.08
USGS073802516 Barataria Pass at Grand Isle	0.03	0.00	0.03	0.07	0.07	0.03	0.01	-0.01	0.00	0.01	0.03	0.04
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.06	0.06	0.01	0.00	-0.03	0.01	0.02	0.03	0.02
HWQ16 - Bayou Grand Liard	0.02	0.01	0.03	0.04	0.03	0.01	0.01	0.00	0.00	0.00	0.01	0.03
CRMS 3985	0.01	0.00	0.03	0.06	0.05	0.00	-0.02	0.01	0.01	0.02	0.03	0.04
CRMS 0258	0.02	0.00	0.05	0.08	0.08	0.02	0.01	0.01	0.01	0.01	0.02	0.05
CRMS 0224	0.04	0.00	0.06	0.10	0.10	0.04	0.02	0.00	0.01	0.02	0.04	0.07
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00

Figure WQ TOTP 106 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.19	0.20	0.15	0.10	0.10	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.09	0.06	0.06	0.06	0.07	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.13	0.11	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.11	0.08	0.08	0.09	0.11	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.14	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.10	0.13
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.08	0.09	0.10	0.13	0.11	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.15	0.12	0.09	0.09	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.15	0.14	0.12	0.11	0.11	0.13	0.14	0.12	0.11	0.12	0.13
CRMS 0258	0.16	0.15	0.15	0.12	0.10	0.08	0.06	0.06	0.06	0.06	0.11	0.14
CRMS 0224	0.16	0.15	0.14	0.11	0.09	0.07	0.07	0.08	0.08	0.07	0.11	0.14
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.14	0.15	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.16	0.12	0.11	0.14	0.18

V3PR7 HYST - cy 2 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.18	0.20	0.15	0.10	0.10	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.16	0.15	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.23	0.25	0.25	0.26	0.16	0.13	0.12	0.10	0.11	0.16	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.20	0.22	0.22	0.24	0.13	0.11	0.13	0.13	0.13	0.16	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.24	0.14	0.10	0.10	0.11	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.20	0.22	0.22	0.23	0.14	0.10	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.18	0.17	0.18	0.12	0.09	0.10	0.11	0.10	0.13	0.15
HWQ14 - Lake Washington	0.14	0.15	0.17	0.16	0.17	0.12	0.10	0.11	0.12	0.12	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.18	0.18	0.18	0.14	0.09	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.16	0.18	0.18	0.20	0.13	0.12	0.15	0.14	0.14	0.15	0.14
CRMS 0258	0.14	0.17	0.19	0.20	0.21	0.10	0.07	0.07	0.06	0.07	0.13	0.15
CRMS 0224	0.15	0.19	0.21	0.21	0.22	0.12	0.08	0.08	0.09	0.09	0.13	0.16
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.15	0.16	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.17	0.13	0.13	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.09	0.12	0.17	0.21	0.15	0.12	0.09	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.07	0.11	0.16	0.20	0.10	0.07	0.05	0.04	0.05	0.05	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.11	0.14	0.03	-0.01	0.00	0.02	0.03	0.04	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.09	0.12	0.16	0.06	0.01	0.00	0.01	0.02	0.03	0.03
USGS 07380335 - Little Lake Near Cutoff	0.01	0.05	0.07	0.10	0.14	0.06	0.01	0.00	0.01	0.01	0.02	0.03
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.04	0.06	0.09	0.04	0.00	0.00	0.01	0.02	0.03	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.06	0.08	0.03	0.00	-0.02	0.01	0.02	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.02	0.03	0.04	0.04	0.02	0.00	0.00	0.00	0.01	0.01	0.01
CRMS 3985	0.00	0.01	0.04	0.06	0.09	0.02	-0.01	0.01	0.02	0.02	0.03	0.01
CRMS 0258	-0.02	0.02	0.05	0.08	0.11	0.02	0.01	0.01	0.01	0.01	0.02	0.02
CRMS 0224	-0.01	0.03	0.07	0.10	0.14	0.04	0.02	0.01	0.01	0.02	0.03	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00

Figure WQ TOTP 107 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.08	0.06	0.05	0.07	0.08	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.10	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.16	0.16	0.15	0.13	0.13	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.14	0.08	0.05	0.05	0.06	0.07	0.06	0.06	0.11	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.15	0.13	0.09	0.08	0.08	0.11	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.08	0.09	0.10
CRMS 3985	0.14	0.13	0.13	0.10	0.09	0.10	0.11	0.12	0.12	0.12	0.11	0.13
CRMS 0258	0.17	0.14	0.13	0.09	0.08	0.05	0.05	0.06	0.05	0.06	0.12	0.14
CRMS 0224	0.16	0.14	0.13	0.08	0.07	0.06	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.12	0.13	0.13	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.14	0.11	0.09	0.13	0.16	0.17

V3PR7 HYST - cy 2 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.21	0.20	0.19	0.21	0.18	0.17	0.17	0.16	0.16	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.15	0.16	0.16	0.15	0.13	0.14	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.17	0.14	0.17	0.10	0.11	0.11	0.10	0.10	0.14	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.15	0.12	0.14	0.09	0.11	0.13	0.14	0.13	0.14	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.16	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.12	0.14	0.08	0.09	0.09	0.10	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.11	0.08	0.08	0.09	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.10	0.09	0.10	0.11	0.13	0.12	0.13	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.09	0.07	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.13	0.11	0.11	0.10	0.13	0.15	0.14	0.13	0.13	0.13
CRMS 0258	0.16	0.13	0.13	0.10	0.11	0.06	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.14	0.13	0.11	0.12	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.13	0.13	0.15	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.15	0.12	0.09	0.15	0.16	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.06	0.11	0.16	0.12	0.10	0.09	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.00	0.03	0.06	0.12	0.05	0.05	0.04	0.04	0.04	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.02	0.06	0.00	0.01	0.02	0.02	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.01	0.03	0.09	0.01	0.00	0.01	0.01	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.00	0.02	0.07	0.01	0.00	0.00	0.01	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.01	0.03	0.01	0.00	0.00	0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.02	0.00	0.00	0.01	0.02	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.02	0.00	0.01	0.03	0.02	0.01	0.02	0.00
CRMS 0258	-0.01	-0.01	0.00	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	-0.01	0.00	0.02	0.05	0.01	0.00	0.00	0.01	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 108 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.16	0.10	0.06	0.06	0.06	0.07	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.17	0.16	0.16	0.12	0.12	0.13	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.11	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.17	0.12	0.09	0.10	0.11	0.13	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.17	0.16	0.12	0.09	0.09	0.10	0.12	0.11	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.15	0.16	0.17	0.14	0.12	0.11	0.13	0.15	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.09	0.08	0.08	0.07	0.06	0.12	0.15
CRMS 0224	0.17	0.17	0.15	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.11	0.15
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.17	0.17	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.16	0.15	0.14	0.16

V3PR7 HYST - cy 2 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.17	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.16	0.17	0.18	0.17	0.16	0.16	0.14	0.13	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.19	0.20	0.19	0.20	0.17	0.17	0.16	0.15	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.23	0.24	0.23	0.23	0.22	0.16	0.10	0.12	0.17	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.14	0.11	0.12	0.16	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.09	0.10	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.15	0.10	0.10	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.15	0.14	0.14	0.13	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.16	0.17	0.17	0.15	0.14	0.14	0.13	0.12	0.10	0.11	0.15	0.17
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.16	0.15	0.15	0.13	0.12	0.11	0.09	0.10	0.12
CRMS 3985	0.16	0.18	0.18	0.17	0.16	0.16	0.14	0.13	0.12	0.13	0.15	0.15
CRMS 0258	0.18	0.19	0.18	0.18	0.17	0.17	0.17	0.12	0.07	0.07	0.14	0.18
CRMS 0224	0.19	0.21	0.19	0.20	0.18	0.19	0.18	0.13	0.08	0.09	0.14	0.17
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.20	0.18	0.18	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.17	0.17	0.14	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.15	0.19	0.19	0.17	0.14	0.12	0.11	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.02	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.04	0.07	0.07	0.15	0.18	0.18	0.16	0.10	0.04	0.06	0.06	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.05	0.03	0.08	0.11	0.09	0.06	0.01	0.00	0.02	0.04	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.05	0.06	0.05	0.11	0.13	0.13	0.11	0.06	0.00	0.01	0.03	0.02
USGS 07380335 - Little Lake Near Cutoff	0.04	0.06	0.05	0.09	0.11	0.12	0.09	0.05	0.00	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.02	0.02	0.03	0.05	0.06	0.06	0.05	0.03	-0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	0.00	0.00	0.01	0.04	0.05	0.05	0.03	0.00	-0.02	0.01	0.03	0.02
HWQ16 - Bayou Grand Liard	0.03	0.03	0.02	0.03	0.03	0.03	0.02	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.02	0.01	0.03	0.05	0.04	0.01	-0.02	-0.01	0.01	0.03	0.01
CRMS 0258	0.00	0.02	0.03	0.07	0.08	0.09	0.09	0.04	0.01	0.01	0.02	0.03
CRMS 0224	0.02	0.04	0.04	0.09	0.11	0.12	0.11	0.06	0.00	0.01	0.03	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00

Figure WQ TOTP 109 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.14	0.09	0.06	0.06	0.07	0.07	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.20	0.13	0.11	0.13	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.16	0.19	0.22	0.24	0.20	0.17	0.16	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.15	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.12	0.11	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.14	0.10	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.11	0.09	0.08	0.10	0.10	0.10	0.10	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.09	0.07	0.08	0.10	0.11	0.12	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.12	0.11	0.10	0.09	0.09	0.11
CRMS 3985	0.12	0.14	0.13	0.10	0.09	0.10	0.13	0.15	0.13	0.12	0.12	0.10
CRMS 0258	0.16	0.16	0.13	0.11	0.10	0.10	0.08	0.08	0.06	0.06	0.11	0.13
CRMS 0224	0.15	0.16	0.14	0.10	0.08	0.08	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.16	0.15	0.18	0.21	0.23	0.24	0.19	0.17	0.17	0.15	0.15	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.15	0.12	0.14	0.21

V3PR7 HYST - cy 2 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.25	0.26	0.28	0.27	0.24	0.20	0.18	0.17	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.20	0.16	0.12	0.13	0.11	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.16	0.19	0.22	0.24	0.19	0.17	0.17	0.15	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.23	0.24	0.26	0.26	0.22	0.13	0.10	0.12	0.16	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.19	0.21	0.23	0.24	0.19	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.21	0.22	0.24	0.24	0.21	0.12	0.10	0.11	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.19	0.20	0.22	0.24	0.20	0.12	0.10	0.10	0.13	0.19
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.15	0.15	0.16	0.18	0.15	0.12	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.14	0.14	0.15	0.17	0.15	0.11	0.10	0.12	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.14	0.16	0.17	0.18	0.14	0.11	0.10	0.09	0.10	0.14
CRMS 3985	0.13	0.14	0.15	0.16	0.18	0.20	0.16	0.13	0.13	0.13	0.15	0.15
CRMS 0258	0.14	0.16	0.16	0.18	0.19	0.22	0.18	0.09	0.07	0.06	0.13	0.16
CRMS 0224	0.14	0.15	0.17	0.19	0.21	0.23	0.19	0.10	0.09	0.09	0.13	0.17
CRMS 0163	0.16	0.15	0.18	0.21	0.23	0.24	0.19	0.17	0.17	0.16	0.16	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.17	0.14	0.14	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.11	0.17	0.22	0.21	0.17	0.13	0.11	0.10	0.05	0.11
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.03	0.08	0.16	0.20	0.20	0.17	0.07	0.04	0.05	0.05	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.01	-0.01	0.05	0.11	0.15	0.14	0.08	-0.01	0.00	0.02	0.03	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.06	0.12	0.16	0.17	0.12	0.02	0.00	0.01	0.03	0.07
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.05	0.10	0.14	0.15	0.10	0.02	0.00	0.01	0.02	0.06
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.01	0.06	0.08	0.09	0.06	0.02	-0.01	0.00	0.02	0.03
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.05	0.07	0.08	0.05	0.00	-0.02	0.00	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.03	0.03	0.04	0.02	0.00	0.00	0.00	0.01	0.02
CRMS 3985	0.01	0.00	0.02	0.06	0.09	0.09	0.03	-0.02	-0.01	0.01	0.03	0.05
CRMS 0258	-0.02	-0.01	0.03	0.07	0.10	0.12	0.09	0.01	0.00	0.01	0.02	0.03
CRMS 0224	-0.01	-0.01	0.03	0.09	0.13	0.15	0.12	0.03	0.00	0.01	0.02	0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00

Figure WQ TOTP 110 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.17	0.13	0.10	0.09	0.12	0.11	0.13	0.15
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.14	0.15	0.15	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.09	0.06	0.05	0.06	0.07	0.06	0.06	0.11	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.15	0.12	0.09	0.10	0.12	0.14	0.11	0.10	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.11	0.09	0.09	0.10	0.13	0.11	0.10	0.11	0.13
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.14	0.13	0.10	0.09	0.08	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.16	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.11	0.11	0.12
CRMS 0258	0.16	0.16	0.14	0.12	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.13
CRMS 0224	0.15	0.16	0.14	0.11	0.08	0.07	0.07	0.07	0.08	0.07	0.11	0.13
CRMS 0163	0.20	0.18	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.15	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.21	0.19	0.19	0.15	0.13	0.13	0.18	0.23

V3PR8 HYST - cy 2 - 1985 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.25	0.22	0.27	0.27	0.24	0.21	0.19	0.18	0.17	0.17	0.23	0.26
CRMS0276 - Just east of Wilkinson Canal	0.16	0.15	0.16	0.18	0.17	0.12	0.10	0.09	0.11	0.11	0.12	0.15
Barataria Waterway at Lafitte (USACE82875)	0.16	0.15	0.16	0.18	0.17	0.14	0.12	0.10	0.13	0.13	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.20	0.26	0.25	0.22	0.16	0.13	0.12	0.10	0.12	0.19	0.25
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.17	0.22	0.22	0.20	0.14	0.11	0.13	0.13	0.13	0.16	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.21	0.18	0.23	0.23	0.21	0.15	0.10	0.09	0.10	0.11	0.18	0.23
USGS 07380335 - Little Lake Near Cutoff	0.20	0.17	0.22	0.22	0.20	0.13	0.11	0.09	0.10	0.10	0.15	0.21
USGS073802516 Barataria Pass at Grand Isle	0.17	0.16	0.18	0.18	0.15	0.10	0.10	0.09	0.11	0.10	0.14	0.17
HWQ14 - Lake Washington	0.15	0.15	0.17	0.17	0.14	0.11	0.11	0.11	0.12	0.12	0.14	0.15
HWQ16 - Bayou Grand Liard	0.15	0.14	0.17	0.18	0.16	0.11	0.09	0.08	0.10	0.09	0.11	0.16
CRMS 3985	0.16	0.15	0.18	0.19	0.16	0.11	0.11	0.14	0.13	0.13	0.14	0.17
CRMS 0258	0.18	0.16	0.19	0.20	0.17	0.11	0.07	0.07	0.06	0.07	0.14	0.18
CRMS 0224	0.19	0.16	0.20	0.21	0.18	0.11	0.09	0.08	0.09	0.09	0.15	0.20
CRMS 0163	0.19	0.18	0.21	0.22	0.20	0.17	0.14	0.14	0.16	0.15	0.17	0.21
CRMS 0162	0.21	0.19	0.23	0.23	0.20	0.19	0.19	0.16	0.14	0.15	0.18	0.23

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.05	0.12	0.17	0.18	0.15	0.12	0.08	0.10	0.11	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.03	-0.01	-0.04	-0.03	-0.04	-0.04	-0.04	-0.04	-0.02	-0.02	-0.02	-0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.07	0.02	0.11	0.16	0.16	0.10	0.07	0.05	0.04	0.06	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.04	0.01	0.07	0.11	0.11	0.04	-0.01	-0.01	0.02	0.02	0.05	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.06	0.02	0.09	0.13	0.13	0.07	0.02	-0.01	0.01	0.02	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.06	0.02	0.07	0.10	0.11	0.05	0.02	0.00	0.00	0.01	0.05	0.08
USGS073802516 Barataria Pass at Grand Isle	0.03	0.00	0.03	0.07	0.07	0.03	0.01	-0.01	0.00	0.01	0.03	0.04
HWQ14 - Lake Washington	0.00	-0.01	0.02	0.06	0.06	0.02	0.00	-0.02	0.01	0.02	0.03	0.02
HWQ16 - Bayou Grand Liard	0.02	0.01	0.03	0.04	0.03	0.01	0.00	0.00	0.00	0.00	0.01	0.03
CRMS 3985	0.01	0.00	0.03	0.06	0.05	0.00	-0.02	0.01	0.02	0.02	0.03	0.04
CRMS 0258	0.02	0.00	0.05	0.08	0.08	0.03	0.01	0.01	0.01	0.01	0.02	0.05
CRMS 0224	0.04	0.00	0.06	0.10	0.10	0.04	0.02	0.00	0.01	0.02	0.04	0.07
CRMS 0163	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00

Figure WQ TOTP 111 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.19	0.20	0.15	0.10	0.10	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.09	0.06	0.06	0.06	0.07	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.13	0.11	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.11	0.08	0.08	0.09	0.11	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.14	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.10	0.13
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.08	0.09	0.10	0.13	0.11	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.15	0.12	0.09	0.09	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.15	0.14	0.12	0.11	0.11	0.13	0.14	0.12	0.11	0.12	0.13
CRMS 0258	0.16	0.15	0.15	0.12	0.10	0.08	0.06	0.06	0.06	0.06	0.11	0.14
CRMS 0224	0.16	0.15	0.14	0.11	0.09	0.07	0.07	0.08	0.08	0.07	0.11	0.14
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.14	0.15	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.16	0.12	0.11	0.14	0.18

V3PR8 HYST - cy 2 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.18	0.19	0.14	0.10	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.15	0.17	0.18	0.19	0.16	0.12	0.11	0.13	0.13	0.13	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.23	0.25	0.25	0.26	0.16	0.13	0.12	0.10	0.12	0.16	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.20	0.22	0.22	0.24	0.13	0.11	0.13	0.13	0.13	0.16	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.25	0.14	0.09	0.10	0.10	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.20	0.22	0.22	0.23	0.14	0.09	0.10	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.18	0.17	0.18	0.12	0.09	0.10	0.11	0.10	0.13	0.15
HWQ14 - Lake Washington	0.14	0.15	0.17	0.17	0.17	0.12	0.11	0.11	0.12	0.13	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.17	0.18	0.18	0.14	0.09	0.09	0.10	0.09	0.09	0.12
CRMS 3985	0.14	0.16	0.18	0.18	0.20	0.13	0.12	0.15	0.14	0.14	0.15	0.14
CRMS 0258	0.14	0.17	0.20	0.20	0.21	0.10	0.07	0.07	0.07	0.07	0.14	0.15
CRMS 0224	0.14	0.19	0.21	0.21	0.22	0.12	0.08	0.08	0.09	0.09	0.13	0.15
CRMS 0163	0.17	0.20	0.21	0.22	0.24	0.18	0.15	0.15	0.16	0.15	0.15	0.16
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.17	0.13	0.13	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.09	0.12	0.17	0.21	0.15	0.12	0.09	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.03	-0.03	-0.03	-0.04	-0.03	-0.04	-0.04	-0.02	-0.02	-0.01	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.07	0.11	0.16	0.20	0.10	0.08	0.05	0.04	0.06	0.05	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.11	0.14	0.03	-0.01	0.00	0.03	0.03	0.04	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.09	0.12	0.16	0.06	0.01	-0.01	0.01	0.02	0.03	0.03
USGS 07380335 - Little Lake Near Cutoff	0.01	0.05	0.07	0.10	0.14	0.06	0.01	0.00	0.00	0.01	0.02	0.03
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.04	0.06	0.09	0.04	0.00	0.00	0.01	0.02	0.03	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.06	0.08	0.03	0.00	-0.01	0.02	0.02	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.02	0.03	0.03	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.01	0.04	0.06	0.09	0.02	-0.01	0.01	0.02	0.03	0.03	0.01
CRMS 0258	-0.02	0.02	0.05	0.08	0.12	0.02	0.01	0.01	0.01	0.01	0.02	0.01
CRMS 0224	-0.01	0.03	0.07	0.10	0.14	0.04	0.01	0.01	0.01	0.02	0.03	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00

Figure WQ TOTP 112 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.08	0.06	0.05	0.07	0.08	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.10	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.16	0.16	0.15	0.13	0.13	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.14	0.08	0.05	0.05	0.06	0.07	0.06	0.06	0.11	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.15	0.13	0.09	0.08	0.08	0.11	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.08	0.09	0.10
CRMS 3985	0.14	0.13	0.13	0.10	0.09	0.10	0.11	0.12	0.12	0.12	0.11	0.13
CRMS 0258	0.17	0.14	0.13	0.09	0.08	0.05	0.05	0.06	0.05	0.06	0.12	0.14
CRMS 0224	0.16	0.14	0.13	0.08	0.07	0.06	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.12	0.13	0.13	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.14	0.11	0.09	0.13	0.16	0.17

V3PR8 HYST - cy 2 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.21	0.20	0.19	0.21	0.18	0.17	0.17	0.16	0.16	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.12	0.12	0.12	0.10	0.08	0.08	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.12	0.13	0.13	0.14	0.12	0.10	0.10	0.12	0.13	0.13	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.17	0.14	0.17	0.10	0.11	0.11	0.10	0.10	0.14	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.15	0.12	0.14	0.09	0.11	0.14	0.14	0.13	0.14	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.16	0.08	0.09	0.09	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.12	0.14	0.08	0.08	0.09	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.11	0.08	0.08	0.09	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.13	0.13	0.10	0.10	0.09	0.11	0.12	0.13	0.13	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.07	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.14	0.11	0.11	0.10	0.13	0.15	0.14	0.13	0.13	0.13
CRMS 0258	0.16	0.13	0.13	0.10	0.11	0.06	0.06	0.06	0.06	0.07	0.12	0.14
CRMS 0224	0.15	0.14	0.13	0.11	0.12	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS 0163	0.14	0.16	0.16	0.17	0.17	0.15	0.12	0.12	0.15	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.15	0.12	0.10	0.15	0.16	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.06	0.11	0.16	0.12	0.10	0.09	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.02	-0.03	-0.03	-0.03	-0.03	-0.04	-0.01	-0.01	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.00	0.03	0.06	0.12	0.05	0.05	0.04	0.04	0.04	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.01	0.02	0.06	0.00	0.01	0.03	0.02	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.01	0.01	0.03	0.09	0.01	0.00	0.00	0.01	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.00	0.02	0.07	0.01	0.00	0.00	0.01	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.01	0.00	0.01	0.03	0.01	0.00	0.00	0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.02	0.01	0.00	0.02	0.03	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.02	0.00	0.01	0.03	0.02	0.01	0.02	0.00
CRMS 0258	-0.01	-0.01	0.00	0.01	0.03	0.00	0.01	0.01	0.01	0.01	0.00	0.01
CRMS 0224	0.00	-0.01	0.00	0.02	0.05	0.01	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 113 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.16	0.10	0.06	0.06	0.06	0.07	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.17	0.16	0.16	0.12	0.12	0.13	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.11	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.17	0.12	0.09	0.10	0.11	0.13	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.17	0.16	0.12	0.09	0.09	0.10	0.12	0.11	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.15	0.16	0.17	0.14	0.12	0.11	0.13	0.15	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.09	0.08	0.08	0.07	0.06	0.12	0.15
CRMS 0224	0.17	0.17	0.15	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.11	0.15
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.17	0.17	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.16	0.15	0.14	0.16

V3PR8 HYST - cy 2 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.17	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.17	0.17	0.15	0.16	0.14	0.13	0.13	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.17	0.17	0.16	0.16	0.13	0.13	0.15	0.14	0.13	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.23	0.24	0.23	0.23	0.22	0.16	0.10	0.12	0.17	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.14	0.11	0.12	0.16	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.09	0.10	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.19	0.21	0.20	0.21	0.20	0.20	0.18	0.15	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.15	0.14	0.14	0.13	0.09	0.10	0.13	0.15
HWQ14 - Lake Washington	0.16	0.17	0.17	0.15	0.14	0.14	0.13	0.12	0.10	0.11	0.15	0.16
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.16	0.15	0.15	0.12	0.12	0.10	0.09	0.09	0.11
CRMS 3985	0.16	0.18	0.18	0.17	0.16	0.16	0.14	0.13	0.12	0.13	0.15	0.12
CRMS 0258	0.18	0.19	0.18	0.19	0.17	0.18	0.17	0.12	0.07	0.06	0.13	0.16
CRMS 0224	0.19	0.21	0.19	0.20	0.18	0.19	0.18	0.13	0.08	0.09	0.13	0.16
CRMS 0163	0.19	0.22	0.20	0.21	0.20	0.20	0.17	0.17	0.18	0.16	0.15	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.20	0.22	0.22	0.20	0.18	0.16	0.14	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.15	0.19	0.19	0.17	0.14	0.12	0.11	0.06	0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	-0.01	-0.01	-0.01	0.02	0.01	0.00	0.00	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.03	-0.02	-0.03	-0.03	-0.04	-0.05	-0.04	-0.01	-0.01	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.04	0.07	0.07	0.15	0.18	0.18	0.16	0.10	0.04	0.06	0.06	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.05	0.03	0.08	0.11	0.09	0.06	0.01	0.00	0.02	0.04	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.05	0.06	0.06	0.11	0.13	0.14	0.11	0.06	-0.01	0.01	0.03	0.02
USGS 07380335 - Little Lake Near Cutoff	0.04	0.06	0.05	0.09	0.11	0.12	0.09	0.05	0.00	0.00	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.02	0.02	0.03	0.05	0.06	0.06	0.05	0.03	-0.01	0.00	0.02	0.02
HWQ14 - Lake Washington	0.00	0.00	0.01	0.04	0.05	0.05	0.03	0.00	-0.01	0.01	0.03	0.01
HWQ16 - Bayou Grand Liard	0.03	0.03	0.02	0.03	0.02	0.03	0.02	0.01	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.02	0.01	0.03	0.04	0.04	0.01	-0.02	-0.01	0.01	0.02	-0.02
CRMS 0258	0.00	0.03	0.03	0.08	0.08	0.09	0.09	0.04	0.00	0.00	0.02	0.02
CRMS 0224	0.02	0.04	0.04	0.09	0.11	0.12	0.11	0.06	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01

Figure WQ TOTP 114 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.14	0.09	0.06	0.06	0.07	0.07	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.20	0.13	0.11	0.13	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.16	0.19	0.22	0.24	0.20	0.17	0.16	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.15	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.12	0.11	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.14	0.10	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.11	0.09	0.08	0.10	0.10	0.10	0.10	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.09	0.07	0.08	0.10	0.11	0.12	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.12	0.11	0.10	0.09	0.09	0.11
CRMS 3985	0.12	0.14	0.13	0.10	0.09	0.10	0.13	0.15	0.13	0.12	0.12	0.10
CRMS 0258	0.16	0.16	0.13	0.11	0.10	0.10	0.08	0.08	0.06	0.06	0.11	0.13
CRMS 0224	0.15	0.16	0.14	0.10	0.08	0.08	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.16	0.15	0.18	0.21	0.23	0.24	0.19	0.17	0.17	0.15	0.15	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.15	0.12	0.14	0.21

V3PR8 HYST - cy 2 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.28	0.27	0.24	0.20	0.18	0.17	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.17	0.19	0.16	0.12	0.12	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.13	0.16	0.18	0.20	0.15	0.13	0.14	0.13	0.13	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.23	0.24	0.26	0.26	0.22	0.13	0.10	0.12	0.16	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.19	0.21	0.23	0.24	0.19	0.12	0.12	0.13	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.21	0.22	0.24	0.25	0.21	0.11	0.10	0.10	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.19	0.20	0.22	0.23	0.20	0.12	0.10	0.10	0.12	0.19
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.15	0.15	0.16	0.18	0.15	0.11	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.14	0.14	0.15	0.17	0.15	0.11	0.11	0.12	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.14	0.16	0.17	0.18	0.14	0.11	0.10	0.09	0.09	0.14
CRMS 3985	0.13	0.14	0.15	0.16	0.18	0.20	0.16	0.13	0.13	0.14	0.15	0.15
CRMS 0258	0.14	0.16	0.16	0.18	0.20	0.22	0.18	0.09	0.06	0.06	0.13	0.16
CRMS 0224	0.14	0.15	0.17	0.19	0.21	0.23	0.19	0.10	0.08	0.09	0.13	0.17
CRMS 0163	0.16	0.15	0.18	0.20	0.23	0.24	0.18	0.17	0.17	0.15	0.15	0.18
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.17	0.14	0.14	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.11	0.17	0.22	0.21	0.17	0.13	0.11	0.10	0.05	0.11
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.03	0.00	-0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.03	-0.03	-0.04	-0.04	-0.05	-0.05	-0.02	-0.02	-0.01	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.03	0.08	0.16	0.20	0.20	0.17	0.07	0.04	0.06	0.05	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.01	-0.01	0.05	0.11	0.15	0.14	0.08	-0.01	0.00	0.02	0.03	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.06	0.12	0.16	0.17	0.12	0.02	0.00	0.01	0.03	0.07
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.05	0.10	0.14	0.15	0.10	0.02	0.00	0.00	0.02	0.06
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.01	0.06	0.08	0.09	0.06	0.02	-0.01	0.00	0.02	0.03
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.05	0.08	0.09	0.05	0.00	-0.01	0.01	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.03	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.02
CRMS 3985	0.01	0.00	0.02	0.06	0.09	0.09	0.03	-0.02	0.00	0.01	0.03	0.05
CRMS 0258	-0.02	-0.01	0.03	0.07	0.10	0.12	0.10	0.01	0.00	0.00	0.02	0.03
CRMS 0224	-0.01	-0.01	0.03	0.09	0.13	0.15	0.12	0.03	0.00	0.01	0.02	0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 115 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.19	0.17	0.13	0.10	0.09	0.12	0.11	0.13	0.15
Barataria Waterway at Lafitte (USACE82875)	0.18	0.17	0.20	0.22	0.20	0.18	0.16	0.14	0.15	0.15	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.09	0.06	0.05	0.06	0.07	0.06	0.06	0.11	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.15	0.12	0.09	0.10	0.12	0.14	0.11	0.10	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.11	0.09	0.09	0.10	0.13	0.11	0.10	0.11	0.13
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.14	0.13	0.10	0.09	0.08	0.10	0.09	0.10	0.13
CRMS 3985	0.15	0.16	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.11	0.11	0.12
CRMS 0258	0.16	0.16	0.14	0.12	0.09	0.08	0.06	0.06	0.06	0.06	0.12	0.13
CRMS 0224	0.15	0.16	0.14	0.11	0.08	0.07	0.07	0.07	0.08	0.07	0.11	0.13
CRMS 0163	0.20	0.18	0.22	0.23	0.21	0.18	0.15	0.14	0.16	0.15	0.18	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.21	0.19	0.19	0.15	0.13	0.13	0.18	0.23

V3PR9 HYST - cy 2 - 1985 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.10	0.07	0.07	0.11	0.13
CRMS0276 - Just east of Wilkinson Canal	0.15	0.15	0.16	0.18	0.16	0.12	0.10	0.09	0.11	0.10	0.12	0.15
Barataria Waterway at Lafitte (USACE82875)	0.16	0.15	0.16	0.18	0.17	0.14	0.12	0.10	0.13	0.12	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.15	0.09	0.06	0.05	0.06	0.07	0.06	0.06	0.11	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.13	0.11	0.10	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.07	0.09	0.10	0.10	0.09	0.11	0.13
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.11	0.08	0.08	0.08	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.17	0.15	0.11	0.09	0.09	0.11	0.14	0.11	0.10	0.12	0.13
HWQ16 - Bayou Grand Liard	0.12	0.13	0.14	0.14	0.12	0.10	0.09	0.08	0.10	0.08	0.10	0.13
CRMS 3985	0.14	0.15	0.15	0.12	0.11	0.11	0.13	0.14	0.12	0.12	0.12	0.12
CRMS 0258	0.16	0.16	0.15	0.12	0.08	0.08	0.06	0.06	0.06	0.06	0.12	0.14
CRMS 0224	0.15	0.16	0.14	0.11	0.08	0.06	0.06	0.08	0.08	0.07	0.11	0.13
CRMS 0163	0.19	0.18	0.21	0.22	0.20	0.17	0.14	0.13	0.16	0.15	0.17	0.21
CRMS 0162	0.21	0.19	0.24	0.23	0.20	0.19	0.19	0.15	0.14	0.14	0.18	0.23

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.01	-0.04	-0.03	-0.03	-0.04	-0.04	-0.04	-0.02	-0.02	-0.02	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0258	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00

Figure WQ TOTP 116 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.10	0.06	0.06	0.07	0.09	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.19	0.20	0.15	0.10	0.10	0.11	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.21	0.23	0.19	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.09	0.06	0.06	0.06	0.07	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.10	0.12	0.13	0.11	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.11	0.08	0.08	0.09	0.11	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.14	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.10	0.13
HWQ14 - Lake Washington	0.15	0.16	0.15	0.11	0.08	0.09	0.10	0.13	0.11	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.14	0.15	0.12	0.09	0.09	0.10	0.08	0.09	0.11
CRMS 3985	0.14	0.15	0.14	0.12	0.11	0.11	0.13	0.14	0.12	0.11	0.12	0.13
CRMS 0258	0.16	0.15	0.15	0.12	0.10	0.08	0.06	0.06	0.06	0.06	0.11	0.14
CRMS 0224	0.16	0.15	0.14	0.11	0.09	0.07	0.07	0.08	0.08	0.07	0.11	0.14
CRMS 0163	0.17	0.20	0.22	0.22	0.24	0.19	0.16	0.15	0.16	0.14	0.15	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.16	0.12	0.11	0.14	0.18

V3PR9 HYST - cy 2 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.15	0.09	0.06	0.06	0.07	0.09	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.17	0.18	0.19	0.14	0.09	0.10	0.12	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.15	0.17	0.18	0.20	0.16	0.12	0.11	0.13	0.12	0.13	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.08	0.06	0.05	0.06	0.07	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.11	0.09	0.10	0.12	0.13	0.11	0.11	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.14	0.10	0.08	0.07	0.08	0.11	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.08	0.08	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.14	0.16	0.14	0.10	0.09	0.09	0.11	0.13	0.11	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.13	0.15	0.14	0.14	0.11	0.09	0.09	0.10	0.08	0.09	0.11
CRMS 3985	0.13	0.14	0.12	0.12	0.11	0.11	0.13	0.14	0.12	0.12	0.12	0.10
CRMS 0258	0.16	0.15	0.15	0.11	0.09	0.08	0.06	0.06	0.06	0.06	0.11	0.13
CRMS 0224	0.16	0.15	0.14	0.10	0.08	0.07	0.06	0.08	0.08	0.08	0.10	0.13
CRMS 0163	0.17	0.20	0.21	0.22	0.24	0.18	0.15	0.14	0.16	0.14	0.15	0.17
CRMS 0162	0.18	0.21	0.23	0.23	0.24	0.20	0.19	0.16	0.13	0.12	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.03	-0.03	-0.03	-0.03	-0.03	-0.04	-0.04	-0.02	-0.02	-0.02	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	-0.01	0.00	-0.01	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03
CRMS 0258	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 117 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.08	0.06	0.05	0.07	0.08	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.13	0.13	0.11	0.08	0.09	0.10	0.10	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.14	0.14	0.16	0.16	0.15	0.13	0.13	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.14	0.08	0.05	0.05	0.06	0.07	0.06	0.06	0.11	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.15	0.13	0.09	0.08	0.08	0.11	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.07	0.08	0.09	0.08	0.09	0.10
CRMS 3985	0.14	0.13	0.13	0.10	0.09	0.10	0.11	0.12	0.12	0.12	0.11	0.13
CRMS 0258	0.17	0.14	0.13	0.09	0.08	0.05	0.05	0.06	0.05	0.06	0.12	0.14
CRMS 0224	0.16	0.14	0.13	0.08	0.07	0.06	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.15	0.17	0.16	0.17	0.17	0.15	0.12	0.13	0.13	0.15	0.16	0.16
CRMS 0162	0.15	0.18	0.16	0.16	0.17	0.16	0.14	0.11	0.09	0.13	0.16	0.17

V3PR9 HYST - cy 2 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.09	0.06	0.05	0.07	0.08	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.12	0.12	0.10	0.08	0.08	0.10	0.10	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.12	0.12	0.13	0.13	0.12	0.09	0.09	0.11	0.12	0.13	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.14	0.08	0.05	0.05	0.06	0.07	0.06	0.07	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.11	0.11	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.09	0.07	0.07	0.09	0.09	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.07	0.07	0.09	0.09	0.09	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.09	0.07	0.07	0.08	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.15	0.13	0.10	0.08	0.08	0.11	0.11	0.10	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.09	0.09	0.07	0.07	0.09	0.08	0.09	0.10
CRMS 3985	0.14	0.13	0.13	0.11	0.09	0.10	0.11	0.12	0.12	0.12	0.12	0.13
CRMS 0258	0.17	0.14	0.14	0.09	0.07	0.05	0.05	0.06	0.06	0.08	0.11	0.13
CRMS 0224	0.16	0.14	0.13	0.09	0.06	0.06	0.07	0.08	0.08	0.08	0.11	0.13
CRMS 0163	0.14	0.16	0.16	0.16	0.17	0.14	0.11	0.12	0.13	0.15	0.16	0.16
CRMS 0162	0.15	0.17	0.16	0.16	0.17	0.16	0.14	0.11	0.09	0.14	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.02	-0.03	-0.03	-0.03	-0.04	-0.04	-0.02	-0.02	-0.02	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0258	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	-0.01	-0.01
CRMS 0224	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	-0.01	0.01	0.00	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00

Figure WQ TOTP 118 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.16	0.10	0.06	0.06	0.06	0.07	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.17	0.16	0.16	0.12	0.12	0.13	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.18	0.17	0.16	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.11	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.17	0.12	0.09	0.10	0.11	0.13	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.17	0.16	0.12	0.09	0.09	0.10	0.12	0.11	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.11	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.15	0.16	0.17	0.14	0.12	0.11	0.13	0.15	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.17	0.16	0.11	0.08	0.09	0.08	0.08	0.07	0.06	0.12	0.15
CRMS 0224	0.17	0.17	0.15	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.11	0.15
CRMS 0163	0.19	0.22	0.20	0.21	0.21	0.21	0.18	0.17	0.17	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.22	0.22	0.20	0.16	0.15	0.14	0.16

V3PR9 HYST - cy 2 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.16	0.10	0.06	0.06	0.07	0.06	0.06	0.07	0.11	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.17	0.17	0.16	0.15	0.15	0.11	0.11	0.12	0.11	0.11	0.11
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.18	0.17	0.16	0.17	0.14	0.13	0.14	0.13	0.13	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.16	0.09	0.06	0.05	0.06	0.05	0.06	0.06	0.11	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.17	0.12	0.09	0.10	0.11	0.11	0.11	0.11	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.16	0.11	0.08	0.08	0.10	0.09	0.09	0.09	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.12	0.08	0.08	0.10	0.10	0.09	0.09	0.10	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.11	0.08	0.08	0.10	0.10	0.09	0.09	0.10	0.13
HWQ14 - Lake Washington	0.15	0.17	0.16	0.12	0.09	0.10	0.12	0.11	0.11	0.11	0.11	0.13
HWQ16 - Bayou Grand Liard	0.11	0.14	0.15	0.13	0.12	0.12	0.10	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.15	0.16	0.17	0.13	0.11	0.11	0.13	0.12	0.12	0.12	0.10	0.12
CRMS 0258	0.17	0.17	0.16	0.11	0.08	0.08	0.08	0.08	0.06	0.06	0.11	0.14
CRMS 0224	0.16	0.17	0.15	0.10	0.07	0.07	0.07	0.07	0.08	0.07	0.11	0.14
CRMS 0163	0.19	0.22	0.20	0.21	0.20	0.20	0.17	0.17	0.17	0.16	0.15	0.15
CRMS 0162	0.20	0.23	0.21	0.21	0.21	0.21	0.21	0.20	0.17	0.16	0.14	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.03	-0.02	-0.03	-0.03	-0.03	-0.04	-0.04	-0.02	-0.02	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	-0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.00	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	-0.01
HWQ14 - Lake Washington	-0.01	0.00	0.00	0.00	0.00	0.01	0.01	-0.01	-0.01	0.00	0.00	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	-0.03	-0.02
CRMS 0258	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 119 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.14	0.09	0.06	0.06	0.07	0.07	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.20	0.13	0.11	0.13	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.16	0.19	0.22	0.24	0.20	0.17	0.16	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.15	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.14	0.10	0.08	0.09	0.11	0.13	0.12	0.11	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.14	0.10	0.07	0.07	0.09	0.09	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.11	0.09	0.08	0.10	0.10	0.10	0.10	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.09	0.07	0.08	0.10	0.11	0.12	0.11	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.12	0.11	0.10	0.09	0.09	0.11
CRMS 3985	0.12	0.14	0.13	0.10	0.09	0.10	0.13	0.15	0.13	0.12	0.12	0.10
CRMS 0258	0.16	0.16	0.13	0.11	0.10	0.10	0.08	0.08	0.06	0.06	0.11	0.13
CRMS 0224	0.15	0.16	0.14	0.10	0.08	0.08	0.07	0.07	0.08	0.08	0.11	0.14
CRMS 0163	0.16	0.15	0.18	0.21	0.23	0.24	0.19	0.17	0.17	0.15	0.15	0.19
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.20	0.15	0.12	0.14	0.21

V3PR9 HYST - cy 2 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.14	0.09	0.06	0.06	0.07	0.08	0.07	0.07	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.16	0.18	0.18	0.12	0.11	0.12	0.10	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.13	0.16	0.18	0.21	0.15	0.12	0.14	0.13	0.12	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.15	0.08	0.06	0.06	0.06	0.06	0.06	0.06	0.11	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.10	0.11	0.13	0.12	0.11	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.07	0.07	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.14	0.10	0.08	0.08	0.09	0.10	0.11	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.16	0.14	0.09	0.08	0.09	0.10	0.12	0.12	0.11	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.14	0.12	0.11	0.10	0.09	0.09	0.11
CRMS 3985	0.14	0.14	0.13	0.10	0.09	0.10	0.13	0.15	0.13	0.12	0.13	0.13
CRMS 0258	0.16	0.16	0.11	0.11	0.09	0.10	0.08	0.08	0.06	0.06	0.11	0.13
CRMS 0224	0.16	0.16	0.13	0.10	0.08	0.08	0.07	0.07	0.08	0.07	0.10	0.13
CRMS 0163	0.15	0.15	0.18	0.21	0.23	0.24	0.18	0.16	0.17	0.15	0.15	0.18
CRMS 0162	0.16	0.15	0.20	0.21	0.24	0.25	0.22	0.19	0.16	0.13	0.14	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.03	-0.03	-0.03	-0.03	-0.04	-0.05	-0.02	-0.02	-0.02	-0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.03
CRMS 0258	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 120 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.10	0.08	0.06	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.19	0.19	0.19	0.12	0.10	0.12	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.17	0.22	0.21	0.22	0.17	0.14	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.15	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.09	0.11	0.12	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.12	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.09	0.09	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.10	0.08	0.08	0.09	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.14	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.16	0.16	0.13	0.10	0.11	0.13	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.18	0.15	0.15	0.13	0.13	0.12	0.08	0.08	0.08	0.08	0.13	0.16
CRMS 0224	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.23	0.21	0.24	0.19	0.14	0.11	0.14	0.15	0.16

V3PR2 HYST - cy 3 - 2002 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.24	0.22	0.26	0.26	0.26	0.19	0.17	0.17	0.17	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.18	0.18	0.17	0.12	0.10	0.12	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.17	0.21	0.21	0.22	0.16	0.14	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.20	0.18	0.23	0.22	0.23	0.13	0.11	0.09	0.10	0.15	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.16	0.18	0.17	0.17	0.11	0.12	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.18	0.17	0.17	0.11	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.14	0.16	0.16	0.16	0.11	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.14	0.13	0.13	0.12	0.10	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.14	0.14	0.13	0.12	0.11	0.11	0.11	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.14	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.15	0.14	0.14	0.13	0.12	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.16	0.15	0.15	0.16	0.15	0.16	0.10	0.09	0.09	0.08	0.14	0.16
CRMS 0224	0.15	0.15	0.15	0.16	0.16	0.17	0.11	0.09	0.09	0.09	0.13	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.22	0.21	0.23	0.19	0.14	0.11	0.14	0.15	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.07	0.16	0.18	0.19	0.13	0.09	0.10	0.10	0.05	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	-0.01	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.02	0.02	0.12	0.13	0.15	0.05	0.02	0.01	0.02	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.07	0.09	0.08	0.01	-0.01	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.01	0.06	0.08	0.09	0.02	0.00	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.04	0.06	0.07	0.02	0.00	0.00	0.00	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.02	0.04	0.03	0.01	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	-0.01	0.02	0.04	0.03	0.01	-0.01	0.00	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.02	-0.01	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 0258	-0.02	0.00	0.00	0.02	0.02	0.04	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	0.00	0.01	0.04	0.05	0.07	0.02	0.00	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 121 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.08	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.17	0.11	0.11	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.12	0.10	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.11	0.13	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.09	0.11	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.13	0.11	0.09	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.12	0.10	0.09	0.09	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.16	0.13	0.10	0.09	0.10	0.09	0.09	0.11
CRMS 3985	0.15	0.15	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.16	0.15	0.14	0.12	0.09	0.08	0.09	0.08	0.12	0.14
CRMS 0224	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.09	0.09	0.11	0.14
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.14	0.18

V3PR2 HYST - cy 3 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.17	0.19	0.20	0.17	0.11	0.11	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.21	0.23	0.23	0.24	0.15	0.12	0.11	0.09	0.10	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.18	0.19	0.19	0.12	0.11	0.12	0.11	0.11	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.19	0.18	0.19	0.12	0.10	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.17	0.17	0.18	0.12	0.10	0.10	0.11	0.10	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.16	0.14	0.14	0.11	0.09	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.14	0.15	0.14	0.13	0.11	0.10	0.11	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.16	0.13	0.09	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.16	0.15	0.15	0.12	0.12	0.14	0.12	0.12	0.14	0.14
CRMS 0258	0.15	0.16	0.17	0.17	0.17	0.12	0.09	0.09	0.09	0.08	0.13	0.15
CRMS 0224	0.14	0.16	0.17	0.17	0.18	0.11	0.09	0.09	0.09	0.09	0.13	0.15
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.15	0.19	0.14	0.12	0.10	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.03	0.07	0.11	0.15	0.07	0.04	0.02	0.01	0.02	0.03	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	0.03	0.07	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.01	0.04	0.06	0.10	0.04	0.01	0.00	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.02	0.04	0.07	0.03	0.00	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.01	0.03	0.04	0.02	0.00	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.03	0.04	0.02	0.00	0.00	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.01	0.01	0.02	0.04	0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0258	-0.02	0.00	0.01	0.02	0.03	0.00	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 0224	-0.02	0.00	0.03	0.04	0.06	0.02	0.01	0.00	0.00	0.01	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 122 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.09	0.07	0.06	0.07	0.07	0.07	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.12	0.09	0.10	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.15	0.09	0.08	0.07	0.08	0.09	0.08	0.08	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.08	0.08	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.10	0.08	0.07	0.08	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.09	0.10	0.12	0.13	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.14	0.13	0.11	0.11	0.09	0.08	0.08	0.08	0.08	0.13	0.14
CRMS 0224	0.16	0.14	0.13	0.10	0.09	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.17	0.18	0.19	0.16	0.13	0.14	0.13	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.15	0.14	0.11	0.10	0.13	0.16	0.17

V3PR2 HYST - cy 3 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.20	0.20	0.19	0.21	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.12	0.14	0.14	0.12	0.09	0.09	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.16	0.15	0.13	0.13	0.13	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.15	0.13	0.15	0.10	0.11	0.10	0.09	0.09	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.14	0.12	0.12	0.09	0.11	0.12	0.11	0.11	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.13	0.11	0.12	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.12	0.11	0.11	0.09	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.09	0.08	0.08	0.09	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.15	0.14	0.13	0.10	0.09	0.08	0.10	0.12	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.13	0.13	0.14	0.11	0.10	0.10	0.12	0.14	0.13	0.12	0.12	0.11
CRMS 0258	0.17	0.14	0.13	0.11	0.11	0.09	0.08	0.08	0.08	0.08	0.13	0.15
CRMS 0224	0.16	0.13	0.13	0.11	0.11	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.16	0.13	0.13	0.13	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.16	0.14	0.11	0.10	0.12	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.04	0.05	0.10	0.15	0.12	0.10	0.09	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.02	0.00	0.04	0.07	0.03	0.03	0.02	0.01	0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.00	0.02	0.05	0.00	0.00	0.01	0.01	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.01	0.04	0.01	0.00	0.01	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02
CRMS 0258	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	0.00	-0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 123 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.07	0.06	0.07	0.08	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.18	0.18	0.18	0.18	0.18	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.09	0.11	0.12	0.10	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.13	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.16	0.11	0.08	0.08	0.09	0.11	0.10	0.10	0.11	0.14
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.18	0.14	0.11	0.11	0.13	0.14	0.12	0.12	0.11	0.14
CRMS 0258	0.19	0.17	0.17	0.14	0.12	0.12	0.10	0.10	0.10	0.08	0.13	0.16
CRMS 0224	0.17	0.17	0.16	0.13	0.10	0.09	0.09	0.09	0.10	0.09	0.12	0.15
CRMS 0163	0.20	0.23	0.22	0.23	0.22	0.22	0.20	0.19	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.15

V3PR2 HYST - cy 3 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.18	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.18	0.18	0.17	0.16	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.22	0.20	0.21	0.21	0.21	0.20	0.15	0.09	0.10	0.17	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.18	0.16	0.15	0.15	0.13	0.11	0.11	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.18	0.17	0.16	0.16	0.15	0.13	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.15	0.15	0.14	0.13	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.14	0.12	0.11	0.11	0.11	0.10	0.10	0.12	0.15
HWQ14 - Lake Washington	0.16	0.16	0.16	0.13	0.11	0.11	0.11	0.11	0.09	0.10	0.14	0.16
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.16	0.17	0.15	0.13	0.12	0.12	0.13	0.12	0.13	0.14	0.13
CRMS 0258	0.18	0.17	0.18	0.16	0.14	0.15	0.14	0.13	0.10	0.09	0.14	0.17
CRMS 0224	0.17	0.18	0.18	0.16	0.14	0.15	0.15	0.13	0.10	0.09	0.13	0.16
CRMS 0163	0.20	0.23	0.22	0.22	0.22	0.22	0.19	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.08	0.14	0.17	0.18	0.17	0.13	0.11	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	-0.01	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.03	0.03	0.10	0.12	0.13	0.12	0.06	0.01	0.02	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.05	0.07	0.06	0.04	0.01	0.01	0.01	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.02	0.02	0.05	0.07	0.07	0.06	0.03	0.00	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.02	0.03	0.05	0.05	0.04	0.02	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.01	0.02	0.03	0.03	0.02	0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.02	0.03	0.03	0.02	0.00	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.01	-0.01	0.01	0.02	0.01	-0.01	-0.01	0.00	0.01	0.03	-0.01
CRMS 0258	-0.01	0.00	0.01	0.02	0.02	0.03	0.05	0.03	0.00	0.00	0.01	0.02
CRMS 0224	0.00	0.01	0.02	0.03	0.04	0.06	0.06	0.03	0.00	0.01	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 124 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.10	0.07	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.14	0.18	0.19	0.21	0.15	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.19	0.17	0.11	0.09	0.09	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.12	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.09	0.11	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.14	0.15	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.09	0.10	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.15	0.13	0.14	0.13	0.10	0.10	0.09	0.08	0.13	0.14
CRMS 0224	0.16	0.15	0.15	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.21	0.18	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.20	0.21	0.23	0.25	0.23	0.20	0.15	0.13	0.13	0.20

V3PR2 HYST - cy 3 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.25	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.19	0.14	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.19	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.19	0.21	0.24	0.25	0.21	0.12	0.09	0.10	0.16	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.16	0.17	0.18	0.18	0.16	0.12	0.11	0.11	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.16	0.16	0.17	0.19	0.16	0.12	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.15	0.15	0.16	0.17	0.15	0.12	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.13	0.12	0.12	0.12	0.11	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.14	0.12	0.11	0.12	0.12	0.11	0.10	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.13	0.14	0.15	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.15	0.14	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.14
CRMS 0258	0.15	0.15	0.15	0.15	0.16	0.18	0.15	0.11	0.10	0.09	0.14	0.15
CRMS 0224	0.14	0.15	0.15	0.15	0.16	0.19	0.16	0.11	0.10	0.09	0.13	0.15
CRMS 0163	0.16	0.16	0.21	0.22	0.24	0.25	0.20	0.18	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.13	0.19	0.21	0.24	0.25	0.23	0.20	0.14	0.12	0.13	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.09	0.16	0.19	0.20	0.17	0.12	0.11	0.09	0.05	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	0.03	0.11	0.14	0.16	0.13	0.03	0.01	0.02	0.03	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.02	0.07	0.10	0.09	0.05	0.00	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.01	0.06	0.09	0.10	0.07	0.01	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.00	0.03	0.06	0.08	0.04	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.02	0.03	0.03	0.03	0.01	0.00	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.04	0.04	0.03	0.00	0.00	0.01	0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.01	0.00	0.02	0.04	0.04	0.01	-0.01	0.00	0.01	0.00	0.00
CRMS 0258	-0.02	-0.01	-0.01	0.02	0.02	0.05	0.05	0.01	0.00	0.00	0.01	0.01
CRMS 0224	-0.02	-0.01	-0.01	0.03	0.05	0.09	0.07	0.02	0.00	0.01	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 125 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.10	0.08	0.06	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.19	0.19	0.19	0.12	0.10	0.12	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.17	0.22	0.21	0.22	0.17	0.14	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.15	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.09	0.11	0.12	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.12	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.09	0.09	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.10	0.08	0.08	0.09	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.14	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.16	0.16	0.13	0.10	0.11	0.13	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.18	0.15	0.15	0.13	0.13	0.12	0.08	0.08	0.08	0.08	0.13	0.16
CRMS 0224	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.23	0.21	0.24	0.19	0.14	0.11	0.14	0.15	0.16

V3PR3 HYST - cy 3 - 2002 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.24	0.22	0.26	0.26	0.26	0.20	0.18	0.17	0.17	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.18	0.18	0.17	0.12	0.10	0.12	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.17	0.22	0.21	0.22	0.17	0.15	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.20	0.18	0.23	0.23	0.23	0.14	0.12	0.09	0.10	0.15	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.16	0.18	0.18	0.17	0.11	0.12	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.16	0.18	0.17	0.17	0.12	0.10	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.15	0.16	0.16	0.16	0.12	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.14	0.13	0.13	0.12	0.10	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.14	0.11	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.15	0.14	0.14	0.13	0.12	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.16	0.15	0.16	0.16	0.16	0.17	0.10	0.09	0.09	0.08	0.14	0.16
CRMS 0224	0.15	0.15	0.15	0.16	0.16	0.17	0.11	0.09	0.09	0.09	0.13	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.22	0.21	0.24	0.19	0.14	0.11	0.14	0.15	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.07	0.16	0.18	0.19	0.13	0.09	0.10	0.10	0.05	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.02	0.03	0.13	0.13	0.15	0.06	0.03	0.01	0.02	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.07	0.09	0.08	0.01	0.00	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.01	0.06	0.08	0.09	0.02	0.00	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.04	0.06	0.07	0.02	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.00	0.02	0.04	0.03	0.01	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.02	0.04	0.03	0.01	-0.01	0.00	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.02	-0.01	0.02	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 0258	-0.02	0.00	0.01	0.02	0.03	0.04	0.02	0.01	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	0.00	0.01	0.04	0.05	0.07	0.02	0.00	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00

Figure WQ TOTP 126 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.08	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.17	0.11	0.11	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.12	0.10	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.11	0.13	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.09	0.11	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.13	0.11	0.09	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.12	0.10	0.09	0.09	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.16	0.13	0.10	0.09	0.10	0.09	0.09	0.11
CRMS 3985	0.15	0.15	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.16	0.15	0.14	0.12	0.09	0.08	0.09	0.08	0.12	0.14
CRMS 0224	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.09	0.09	0.11	0.14
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.14	0.18

V3PR3 HYST - cy 3 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.20	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.17	0.19	0.20	0.17	0.11	0.11	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.21	0.23	0.23	0.24	0.15	0.13	0.12	0.09	0.10	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.18	0.19	0.19	0.12	0.11	0.12	0.11	0.11	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.19	0.18	0.19	0.12	0.10	0.10	0.11	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.17	0.17	0.18	0.12	0.10	0.10	0.11	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.16	0.14	0.14	0.11	0.09	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.14	0.15	0.14	0.13	0.11	0.10	0.11	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.16	0.13	0.09	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.16	0.15	0.15	0.12	0.12	0.14	0.12	0.12	0.14	0.14
CRMS 0258	0.15	0.16	0.17	0.17	0.17	0.12	0.09	0.09	0.09	0.08	0.13	0.15
CRMS 0224	0.15	0.16	0.17	0.17	0.18	0.11	0.09	0.09	0.09	0.09	0.13	0.15
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.15	0.19	0.14	0.13	0.10	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.03	0.08	0.12	0.15	0.07	0.05	0.02	0.01	0.02	0.03	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	0.03	0.07	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.04	0.06	0.10	0.04	0.01	0.00	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.02	0.04	0.07	0.03	0.00	0.00	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.03	0.04	0.02	0.00	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.03	0.04	0.02	0.00	0.00	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.01	0.01	0.02	0.04	0.01	-0.01	0.00	0.00	0.01	0.00	0.00
CRMS 0258	-0.02	0.00	0.02	0.02	0.03	0.00	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 0224	-0.02	0.00	0.03	0.04	0.06	0.02	0.01	0.00	0.00	0.01	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 127 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.09	0.07	0.06	0.07	0.07	0.07	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.12	0.09	0.10	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.15	0.09	0.08	0.07	0.08	0.09	0.08	0.08	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.08	0.08	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.10	0.08	0.07	0.08	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.09	0.10	0.12	0.13	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.14	0.13	0.11	0.11	0.09	0.08	0.08	0.08	0.08	0.13	0.14
CRMS 0224	0.16	0.14	0.13	0.10	0.09	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.17	0.18	0.19	0.16	0.13	0.14	0.13	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.15	0.14	0.11	0.10	0.13	0.16	0.17

V3PR3 HYST - cy 3 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.20	0.20	0.19	0.21	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.14	0.14	0.12	0.09	0.09	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.13	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.16	0.14	0.16	0.10	0.11	0.11	0.09	0.10	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.13	0.14	0.12	0.12	0.09	0.11	0.12	0.11	0.11	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.12	0.09	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.12	0.11	0.11	0.09	0.09	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.09	0.08	0.08	0.09	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.14	0.13	0.10	0.09	0.08	0.10	0.12	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.14	0.11	0.11	0.10	0.13	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.14	0.13	0.11	0.12	0.09	0.08	0.08	0.08	0.09	0.13	0.15
CRMS 0224	0.16	0.14	0.13	0.11	0.11	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.16	0.14	0.13	0.13	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.15	0.14	0.11	0.10	0.13	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.04	0.05	0.10	0.15	0.12	0.11	0.09	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.02	0.01	0.04	0.08	0.03	0.03	0.02	0.01	0.01	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.02	0.05	0.00	0.00	0.01	0.01	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.01	0.04	0.01	0.00	0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	-0.01	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.01	0.02	0.00	0.00	0.02	0.01	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 128 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.07	0.06	0.07	0.08	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.18	0.18	0.18	0.18	0.18	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.09	0.11	0.12	0.10	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.13	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.16	0.11	0.08	0.08	0.09	0.11	0.10	0.10	0.11	0.14
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.18	0.14	0.11	0.11	0.13	0.14	0.12	0.12	0.11	0.14
CRMS 0258	0.19	0.17	0.17	0.14	0.12	0.12	0.10	0.10	0.10	0.08	0.13	0.16
CRMS 0224	0.17	0.17	0.16	0.13	0.10	0.09	0.09	0.09	0.10	0.09	0.12	0.15
CRMS 0163	0.20	0.23	0.22	0.23	0.22	0.22	0.20	0.19	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.15

V3PR3 HYST - cy 3 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.18	0.18	0.17	0.17	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.09	0.10	0.17	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.18	0.17	0.15	0.15	0.13	0.11	0.11	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.19	0.19	0.17	0.16	0.16	0.15	0.14	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.15	0.15	0.14	0.13	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.14	0.12	0.11	0.11	0.11	0.10	0.10	0.12	0.15
HWQ14 - Lake Washington	0.16	0.16	0.17	0.13	0.11	0.11	0.11	0.11	0.09	0.10	0.14	0.16
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.16	0.16	0.17	0.15	0.13	0.12	0.12	0.13	0.12	0.13	0.14	0.15
CRMS 0258	0.18	0.18	0.18	0.16	0.14	0.15	0.15	0.13	0.10	0.09	0.14	0.18
CRMS 0224	0.18	0.18	0.18	0.16	0.14	0.15	0.15	0.13	0.10	0.10	0.13	0.16
CRMS 0163	0.20	0.23	0.22	0.22	0.22	0.22	0.19	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.08	0.14	0.17	0.18	0.17	0.13	0.11	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.04	0.04	0.11	0.13	0.13	0.12	0.06	0.01	0.03	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.01	0.05	0.07	0.06	0.04	0.01	0.01	0.01	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.02	0.02	0.05	0.07	0.08	0.06	0.03	0.00	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.02	0.03	0.05	0.05	0.04	0.02	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.01	0.02	0.03	0.03	0.02	0.01	0.00	0.01	0.02	0.02
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.02	0.03	0.03	0.02	0.00	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	-0.01	0.01	0.02	0.01	-0.01	-0.01	0.00	0.01	0.03	0.01
CRMS 0258	-0.01	0.01	0.01	0.02	0.02	0.03	0.05	0.03	0.00	0.00	0.01	0.02
CRMS 0224	0.00	0.01	0.02	0.03	0.04	0.06	0.06	0.03	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 129 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.10	0.07	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.14	0.18	0.19	0.21	0.15	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.19	0.17	0.11	0.09	0.09	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.12	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.09	0.11	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.14	0.15	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.09	0.10	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.15	0.13	0.14	0.13	0.10	0.10	0.09	0.08	0.13	0.14
CRMS 0224	0.16	0.15	0.15	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.21	0.18	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.20	0.21	0.23	0.25	0.23	0.20	0.15	0.13	0.13	0.20

V3PR3 HYST - cy 3 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.25	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.19	0.14	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.20	0.22	0.24	0.25	0.21	0.12	0.09	0.10	0.16	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.16	0.17	0.18	0.18	0.16	0.12	0.11	0.11	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.16	0.16	0.17	0.19	0.16	0.12	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.16	0.17	0.15	0.12	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.13	0.12	0.13	0.12	0.11	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.14	0.12	0.11	0.12	0.12	0.11	0.10	0.11	0.13	0.14
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.13	0.14	0.15	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.13	0.13	0.14	0.13	0.13	0.13	0.13	0.13	0.14
CRMS 0258	0.15	0.15	0.15	0.15	0.16	0.18	0.16	0.11	0.10	0.09	0.14	0.15
CRMS 0224	0.14	0.15	0.15	0.15	0.16	0.19	0.16	0.11	0.10	0.10	0.13	0.15
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.21	0.19	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.19	0.21	0.24	0.25	0.23	0.20	0.15	0.12	0.13	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.09	0.16	0.19	0.20	0.17	0.12	0.11	0.09	0.05	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.03	0.03	0.11	0.14	0.16	0.13	0.04	0.02	0.02	0.03	0.04
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.02	0.07	0.10	0.10	0.05	0.00	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.01	0.06	0.09	0.10	0.07	0.01	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.00	0.03	0.06	0.08	0.04	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.02	0.03	0.03	0.03	0.01	0.00	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.04	0.04	0.03	0.00	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.01	0.00	0.03	0.04	0.04	0.01	-0.01	0.00	0.01	0.00	0.00
CRMS 0258	-0.02	-0.01	-0.01	0.02	0.02	0.05	0.06	0.02	0.00	0.00	0.01	0.01
CRMS 0224	-0.02	-0.01	-0.01	0.03	0.05	0.09	0.07	0.02	0.00	0.01	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 130 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.10	0.08	0.06	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.19	0.19	0.19	0.12	0.10	0.12	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.17	0.22	0.21	0.22	0.17	0.14	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.15	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.09	0.11	0.12	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.12	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.09	0.09	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.10	0.08	0.08	0.09	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.14	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.16	0.16	0.13	0.10	0.11	0.13	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.18	0.15	0.15	0.13	0.13	0.12	0.08	0.08	0.08	0.08	0.13	0.16
CRMS 0224	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.23	0.21	0.24	0.19	0.14	0.11	0.14	0.15	0.16

V3PR4 HYST - cy 3 - 2002 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.24	0.22	0.27	0.26	0.26	0.19	0.18	0.17	0.17	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.18	0.18	0.17	0.12	0.11	0.12	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.17	0.22	0.21	0.22	0.17	0.15	0.16	0.15	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.22	0.19	0.25	0.24	0.24	0.16	0.14	0.11	0.12	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.19	0.19	0.18	0.11	0.12	0.11	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.16	0.20	0.19	0.19	0.12	0.10	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.18	0.18	0.18	0.12	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.14	0.15	0.14	0.13	0.11	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.14	0.15	0.14	0.13	0.13	0.11	0.11	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.15	0.15	0.15	0.11	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.15	0.15	0.15	0.15	0.14	0.12	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.16	0.16	0.16	0.17	0.17	0.18	0.10	0.09	0.09	0.09	0.14	0.16
CRMS 0224	0.15	0.16	0.16	0.18	0.18	0.19	0.11	0.09	0.09	0.09	0.13	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.17	0.22	0.21	0.23	0.19	0.15	0.12	0.14	0.15	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.07	0.17	0.18	0.19	0.13	0.09	0.10	0.10	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.04	0.03	0.14	0.15	0.16	0.08	0.05	0.03	0.04	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.08	0.10	0.09	0.01	-0.01	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.02	0.02	0.09	0.10	0.11	0.03	0.00	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.01	0.06	0.08	0.09	0.02	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.04	0.05	0.04	0.02	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.03	0.05	0.04	0.02	-0.01	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.03	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 0258	-0.02	0.01	0.01	0.04	0.04	0.06	0.02	0.01	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	0.01	0.01	0.06	0.07	0.09	0.03	0.00	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 131 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.08	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.17	0.11	0.11	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.12	0.10	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.11	0.13	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.09	0.11	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.13	0.11	0.09	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.12	0.10	0.09	0.09	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.16	0.13	0.10	0.09	0.10	0.09	0.09	0.11
CRMS 3985	0.15	0.15	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.16	0.15	0.14	0.12	0.09	0.08	0.09	0.08	0.12	0.14
CRMS 0224	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.09	0.09	0.11	0.14
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.14	0.18

V3PR4 HYST - cy 3 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.17	0.19	0.20	0.17	0.11	0.11	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.16	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.23	0.24	0.25	0.26	0.17	0.15	0.14	0.11	0.13	0.15	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.17	0.19	0.20	0.21	0.12	0.11	0.12	0.11	0.11	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.20	0.20	0.21	0.13	0.10	0.10	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.16	0.19	0.19	0.20	0.13	0.10	0.10	0.11	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.17	0.16	0.15	0.12	0.09	0.10	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.16	0.14	0.14	0.11	0.10	0.11	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.13	0.14	0.16	0.16	0.16	0.12	0.12	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.15	0.16	0.18	0.18	0.19	0.12	0.09	0.09	0.09	0.09	0.14	0.15
CRMS 0224	0.15	0.17	0.19	0.19	0.20	0.12	0.09	0.09	0.09	0.09	0.13	0.15
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.17	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.17	0.12	0.12	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.16	0.19	0.14	0.12	0.10	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.05	0.09	0.13	0.16	0.08	0.07	0.04	0.03	0.05	0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.04	0.08	0.12	0.03	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.03	0.05	0.08	0.12	0.04	0.01	0.00	0.00	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.02	0.04	0.06	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.02	0.04	0.05	0.03	0.00	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.04	0.06	0.02	0.00	-0.01	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.02	-0.01	0.01	0.03	0.05	0.01	-0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0258	-0.02	0.01	0.02	0.03	0.05	0.00	0.01	0.01	0.00	0.01	0.02	0.01
CRMS 0224	-0.02	0.02	0.04	0.05	0.08	0.02	0.01	0.00	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 132 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.09	0.07	0.06	0.07	0.07	0.07	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.12	0.09	0.10	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.15	0.09	0.08	0.07	0.08	0.09	0.08	0.08	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.08	0.08	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.10	0.08	0.07	0.08	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.09	0.10	0.12	0.13	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.14	0.13	0.11	0.11	0.09	0.08	0.08	0.08	0.08	0.13	0.14
CRMS 0224	0.16	0.14	0.13	0.10	0.09	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.17	0.18	0.19	0.16	0.13	0.14	0.13	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.15	0.14	0.11	0.10	0.13	0.16	0.17

V3PR4 HYST - cy 3 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.21	0.20	0.19	0.21	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.14	0.14	0.12	0.09	0.09	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.17	0.17	0.15	0.13	0.13	0.14	0.15	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.16	0.16	0.14	0.17	0.11	0.13	0.13	0.11	0.12	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.14	0.12	0.13	0.09	0.11	0.12	0.11	0.11	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.12	0.13	0.09	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.11	0.12	0.09	0.09	0.10	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.10	0.08	0.08	0.09	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.13	0.13	0.10	0.09	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.14	0.11	0.11	0.10	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.14	0.13	0.12	0.12	0.09	0.08	0.08	0.08	0.08	0.13	0.15
CRMS 0224	0.16	0.14	0.13	0.11	0.12	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.16	0.14	0.14	0.14	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.16	0.15	0.12	0.10	0.13	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.04	0.05	0.10	0.15	0.12	0.10	0.09	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	0.01	0.05	0.09	0.04	0.05	0.04	0.03	0.03	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.02	0.05	0.00	0.00	0.01	0.01	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.02	0.05	0.01	0.00	0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	-0.01	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.01	0.02	0.01	0.00	0.00	0.01	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.01	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 133 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.07	0.06	0.07	0.08	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.18	0.18	0.18	0.18	0.18	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.09	0.11	0.12	0.10	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.13	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.16	0.11	0.08	0.08	0.09	0.11	0.10	0.10	0.11	0.14
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.18	0.14	0.11	0.11	0.13	0.14	0.12	0.12	0.11	0.14
CRMS 0258	0.19	0.17	0.17	0.14	0.12	0.12	0.10	0.10	0.10	0.08	0.13	0.16
CRMS 0224	0.17	0.17	0.16	0.13	0.10	0.09	0.09	0.09	0.10	0.09	0.12	0.15
CRMS 0163	0.20	0.23	0.22	0.23	0.22	0.22	0.20	0.19	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.15

V3PR4 HYST - cy 3 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.18	0.18	0.17	0.17	0.13	0.13	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.24	0.22	0.23	0.23	0.22	0.21	0.16	0.11	0.13	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.19	0.19	0.19	0.18	0.16	0.15	0.13	0.11	0.11	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.20	0.19	0.19	0.18	0.18	0.17	0.14	0.10	0.10	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.17	0.18	0.19	0.18	0.16	0.16	0.15	0.14	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.17	0.17	0.15	0.13	0.12	0.12	0.12	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.17	0.17	0.17	0.14	0.12	0.12	0.12	0.11	0.09	0.10	0.14	0.17
HWQ16 - Bayou Grand Liard	0.13	0.15	0.16	0.15	0.14	0.14	0.12	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.16	0.17	0.18	0.16	0.14	0.13	0.12	0.13	0.12	0.13	0.15	0.15
CRMS 0258	0.18	0.18	0.18	0.17	0.16	0.17	0.16	0.14	0.10	0.09	0.14	0.18
CRMS 0224	0.18	0.19	0.19	0.18	0.16	0.17	0.17	0.14	0.10	0.09	0.13	0.17
CRMS 0163	0.20	0.23	0.22	0.22	0.22	0.22	0.19	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.15	0.13	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.08	0.14	0.17	0.18	0.17	0.13	0.11	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.05	0.05	0.12	0.14	0.14	0.13	0.08	0.03	0.05	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.01	0.02	0.06	0.08	0.07	0.04	0.01	0.01	0.01	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.03	0.03	0.07	0.09	0.09	0.08	0.04	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.02	0.02	0.03	0.05	0.06	0.07	0.05	0.03	0.00	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.02	0.03	0.04	0.04	0.03	0.02	0.00	0.01	0.02	0.02
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.03	0.04	0.03	0.02	0.00	-0.01	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.03	0.02	0.00	-0.01	0.00	0.01	0.04	0.01
CRMS 0258	-0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.03	0.00	0.01	0.01	0.02
CRMS 0224	0.01	0.02	0.03	0.05	0.06	0.08	0.08	0.04	0.00	0.01	0.02	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 134 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.10	0.07	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.14	0.18	0.19	0.21	0.15	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.19	0.17	0.11	0.09	0.09	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.12	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.09	0.11	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.14	0.15	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.09	0.10	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.15	0.13	0.14	0.13	0.10	0.10	0.09	0.08	0.13	0.14
CRMS 0224	0.16	0.15	0.15	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.21	0.18	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.20	0.21	0.23	0.25	0.23	0.20	0.15	0.13	0.13	0.20

V3PR4 HYST - cy 3 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.25	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.19	0.15	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.23	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.22	0.23	0.25	0.25	0.22	0.15	0.11	0.13	0.15	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.16	0.18	0.19	0.20	0.16	0.12	0.11	0.11	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.18	0.18	0.20	0.21	0.18	0.12	0.10	0.10	0.13	0.18
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.16	0.17	0.18	0.20	0.17	0.12	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.14	0.14	0.14	0.13	0.11	0.10	0.10	0.12	0.15
HWQ14 - Lake Washington	0.14	0.15	0.14	0.13	0.12	0.13	0.13	0.11	0.10	0.10	0.14	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.14	0.11	0.11	0.09	0.10	0.13
CRMS 3985	0.14	0.15	0.14	0.14	0.14	0.16	0.13	0.13	0.13	0.13	0.15	0.14
CRMS 0258	0.15	0.15	0.15	0.16	0.18	0.20	0.18	0.12	0.10	0.09	0.14	0.16
CRMS 0224	0.14	0.15	0.16	0.17	0.18	0.21	0.18	0.11	0.10	0.09	0.13	0.16
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.20	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.16	0.14	0.19	0.21	0.24	0.25	0.23	0.20	0.15	0.13	0.13	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.10	0.16	0.20	0.20	0.17	0.12	0.11	0.10	0.05	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.04	0.05	0.13	0.16	0.17	0.14	0.06	0.03	0.05	0.03	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.03	0.08	0.11	0.11	0.06	0.00	0.01	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.03	0.08	0.11	0.13	0.08	0.02	0.00	0.01	0.02	0.03
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.02	0.05	0.08	0.10	0.06	0.02	0.00	0.01	0.01	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.03	0.04	0.05	0.04	0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.05	0.06	0.04	0.00	0.00	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.01	0.00	0.03	0.05	0.06	0.01	-0.01	0.00	0.01	0.01	0.00
CRMS 0258	-0.02	-0.01	0.00	0.03	0.04	0.07	0.08	0.02	0.00	0.00	0.01	0.02
CRMS 0224	-0.02	-0.01	0.00	0.05	0.07	0.11	0.09	0.02	0.00	0.01	0.02	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 135 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.10	0.08	0.06	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.19	0.19	0.19	0.12	0.10	0.12	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.17	0.22	0.21	0.22	0.17	0.14	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.15	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.09	0.11	0.12	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.12	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.09	0.09	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.10	0.08	0.08	0.09	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.14	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.16	0.16	0.13	0.10	0.11	0.13	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.18	0.15	0.15	0.13	0.13	0.12	0.08	0.08	0.08	0.08	0.13	0.16
CRMS 0224	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.23	0.21	0.24	0.19	0.14	0.11	0.14	0.15	0.16

V3PR5 HYST - cy 3 - 2002 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.24	0.22	0.27	0.26	0.26	0.20	0.18	0.17	0.17	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.18	0.18	0.17	0.12	0.10	0.12	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.17	0.22	0.21	0.22	0.17	0.15	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.21	0.19	0.24	0.23	0.24	0.14	0.12	0.09	0.11	0.15	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.19	0.19	0.18	0.11	0.12	0.11	0.11	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.16	0.20	0.19	0.19	0.12	0.10	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.15	0.18	0.18	0.18	0.12	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.14	0.15	0.14	0.13	0.11	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.15	0.14	0.15	0.14	0.13	0.13	0.11	0.11	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.15	0.15	0.15	0.11	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.15	0.15	0.15	0.15	0.14	0.12	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.16	0.16	0.16	0.17	0.17	0.18	0.10	0.09	0.09	0.09	0.14	0.16
CRMS 0224	0.15	0.16	0.16	0.18	0.18	0.19	0.11	0.09	0.09	0.09	0.13	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.22	0.21	0.24	0.20	0.15	0.12	0.14	0.15	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.07	0.17	0.18	0.19	0.13	0.09	0.10	0.10	0.05	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.03	0.03	0.14	0.14	0.16	0.06	0.03	0.02	0.03	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.08	0.10	0.09	0.01	-0.01	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.02	0.02	0.09	0.10	0.11	0.03	0.00	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.01	0.06	0.08	0.09	0.02	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.04	0.05	0.04	0.02	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.03	0.05	0.05	0.02	-0.01	0.00	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.03	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 0258	-0.02	0.01	0.01	0.04	0.04	0.06	0.02	0.01	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	0.01	0.01	0.06	0.07	0.09	0.03	0.00	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 136 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.08	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.17	0.11	0.11	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.12	0.10	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.11	0.13	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.09	0.11	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.13	0.11	0.09	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.12	0.10	0.09	0.09	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.16	0.13	0.10	0.09	0.10	0.09	0.09	0.11
CRMS 3985	0.15	0.15	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.16	0.15	0.14	0.12	0.09	0.08	0.09	0.08	0.12	0.14
CRMS 0224	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.09	0.09	0.11	0.14
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.14	0.18

V3PR5 HYST - cy 3 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.17	0.19	0.20	0.17	0.11	0.11	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.16	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.22	0.24	0.24	0.25	0.16	0.13	0.12	0.09	0.11	0.15	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.19	0.20	0.21	0.12	0.11	0.12	0.11	0.11	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.20	0.20	0.21	0.13	0.10	0.10	0.11	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.16	0.19	0.19	0.20	0.13	0.10	0.10	0.11	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.17	0.16	0.15	0.12	0.09	0.10	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.16	0.15	0.14	0.11	0.10	0.11	0.11	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.16	0.14	0.10	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.16	0.16	0.16	0.12	0.12	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.15	0.16	0.18	0.18	0.19	0.12	0.09	0.09	0.09	0.09	0.14	0.15
CRMS 0224	0.14	0.17	0.19	0.19	0.20	0.12	0.09	0.09	0.09	0.09	0.13	0.15
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.17	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.17	0.12	0.12	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.16	0.19	0.14	0.13	0.10	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.04	0.09	0.13	0.16	0.07	0.05	0.03	0.02	0.03	0.03	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.04	0.08	0.12	0.03	0.00	0.00	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.03	0.05	0.08	0.12	0.04	0.01	0.00	0.00	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.02	0.04	0.06	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.02	0.04	0.05	0.03	0.00	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.04	0.06	0.03	0.00	-0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.01	0.01	0.03	0.05	0.01	-0.01	0.00	0.00	0.01	0.00	0.00
CRMS 0258	-0.02	0.01	0.02	0.03	0.05	0.00	0.01	0.01	0.00	0.01	0.02	0.01
CRMS 0224	-0.02	0.01	0.04	0.05	0.08	0.02	0.01	0.00	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00

Figure WQ TOTP 137 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.09	0.07	0.06	0.07	0.07	0.07	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.12	0.09	0.10	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.15	0.09	0.08	0.07	0.08	0.09	0.08	0.08	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.08	0.08	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.10	0.08	0.07	0.08	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.09	0.10	0.12	0.13	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.14	0.13	0.11	0.11	0.09	0.08	0.08	0.08	0.08	0.13	0.14
CRMS 0224	0.16	0.14	0.13	0.10	0.09	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.17	0.18	0.19	0.16	0.13	0.14	0.13	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.15	0.14	0.11	0.10	0.13	0.16	0.17

V3PR5 HYST - cy 3 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.19	0.21	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.14	0.14	0.12	0.09	0.09	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.16	0.14	0.16	0.10	0.12	0.11	0.09	0.10	0.14	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.14	0.12	0.13	0.09	0.11	0.12	0.11	0.11	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.12	0.13	0.09	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.13	0.11	0.12	0.09	0.09	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.10	0.10	0.08	0.08	0.09	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.13	0.13	0.10	0.09	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.15	0.13	0.14	0.11	0.11	0.10	0.13	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.14	0.13	0.11	0.12	0.09	0.08	0.08	0.08	0.08	0.13	0.15
CRMS 0224	0.16	0.14	0.13	0.11	0.12	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.16	0.14	0.14	0.14	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.15	0.14	0.12	0.10	0.13	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.04	0.05	0.10	0.15	0.12	0.10	0.09	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.01	0.01	0.04	0.08	0.03	0.04	0.02	0.01	0.02	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.02	0.05	0.00	0.00	0.01	0.01	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.02	0.05	0.01	0.00	0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.01	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.01	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.01	0.02	0.01	0.00	0.01	0.01	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 138 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.07	0.06	0.07	0.08	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.18	0.18	0.18	0.18	0.18	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.09	0.11	0.12	0.10	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.13	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.16	0.11	0.08	0.08	0.09	0.11	0.10	0.10	0.11	0.14
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.18	0.14	0.11	0.11	0.13	0.14	0.12	0.12	0.11	0.14
CRMS 0258	0.19	0.17	0.17	0.14	0.12	0.12	0.10	0.10	0.10	0.08	0.13	0.16
CRMS 0224	0.17	0.17	0.16	0.13	0.10	0.09	0.09	0.09	0.10	0.09	0.12	0.15
CRMS 0163	0.20	0.23	0.22	0.23	0.22	0.22	0.20	0.19	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.15

V3PR5 HYST - cy 3 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.18	0.18	0.17	0.16	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.24	0.21	0.22	0.22	0.22	0.21	0.16	0.09	0.11	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.19	0.19	0.19	0.18	0.17	0.15	0.13	0.11	0.11	0.15	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.20	0.19	0.19	0.18	0.18	0.17	0.14	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.17	0.18	0.19	0.18	0.16	0.16	0.15	0.14	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.17	0.15	0.13	0.12	0.12	0.12	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.17	0.17	0.17	0.14	0.12	0.12	0.12	0.11	0.09	0.10	0.14	0.17
HWQ16 - Bayou Grand Liard	0.13	0.15	0.16	0.15	0.14	0.14	0.12	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.16	0.17	0.18	0.16	0.14	0.13	0.12	0.13	0.12	0.13	0.15	0.15
CRMS 0258	0.18	0.18	0.18	0.17	0.16	0.16	0.16	0.13	0.10	0.09	0.14	0.18
CRMS 0224	0.18	0.19	0.18	0.17	0.16	0.17	0.17	0.13	0.10	0.09	0.13	0.17
CRMS 0163	0.20	0.23	0.22	0.22	0.22	0.22	0.19	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.15	0.13	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.07	0.08	0.14	0.17	0.18	0.17	0.13	0.12	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.05	0.05	0.11	0.13	0.14	0.13	0.07	0.02	0.03	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.02	0.02	0.06	0.09	0.07	0.05	0.01	0.01	0.01	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.03	0.03	0.07	0.09	0.09	0.08	0.04	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.02	0.02	0.03	0.05	0.06	0.07	0.05	0.03	0.00	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.02	0.03	0.04	0.04	0.03	0.02	0.00	0.01	0.02	0.02
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.03	0.04	0.04	0.03	0.00	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.03	0.02	0.00	-0.01	0.00	0.01	0.04	0.01
CRMS 0258	-0.01	0.01	0.02	0.03	0.03	0.04	0.06	0.03	0.00	0.00	0.01	0.02
CRMS 0224	0.00	0.02	0.03	0.05	0.06	0.07	0.08	0.04	0.00	0.01	0.02	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 139 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.10	0.07	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.14	0.18	0.19	0.21	0.15	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.19	0.17	0.11	0.09	0.09	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.12	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.09	0.11	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.14	0.15	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.09	0.10	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.15	0.13	0.14	0.13	0.10	0.10	0.09	0.08	0.13	0.14
CRMS 0224	0.16	0.15	0.15	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.21	0.18	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.20	0.21	0.23	0.25	0.23	0.20	0.15	0.13	0.13	0.20

V3PR5 HYST - cy 3 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.25	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.19	0.15	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.23	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.21	0.23	0.25	0.25	0.22	0.13	0.10	0.11	0.16	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.17	0.18	0.19	0.20	0.16	0.12	0.11	0.12	0.15	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.18	0.18	0.20	0.21	0.18	0.12	0.10	0.10	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.16	0.17	0.18	0.20	0.17	0.12	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.14	0.14	0.14	0.13	0.11	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.14	0.15	0.14	0.13	0.12	0.14	0.13	0.11	0.10	0.11	0.14	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.14	0.12	0.11	0.09	0.10	0.13
CRMS 3985	0.14	0.14	0.14	0.14	0.14	0.16	0.14	0.13	0.13	0.13	0.15	0.15
CRMS 0258	0.15	0.15	0.15	0.16	0.18	0.20	0.17	0.11	0.10	0.09	0.14	0.16
CRMS 0224	0.14	0.14	0.16	0.17	0.18	0.21	0.18	0.11	0.10	0.10	0.13	0.16
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.21	0.19	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.19	0.21	0.24	0.25	0.23	0.20	0.15	0.13	0.13	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.10	0.16	0.20	0.20	0.17	0.12	0.11	0.10	0.05	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.03	0.04	0.12	0.16	0.16	0.14	0.04	0.02	0.03	0.03	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.03	0.08	0.11	0.12	0.06	0.00	0.01	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.03	0.08	0.11	0.13	0.09	0.02	0.00	0.01	0.02	0.03
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.02	0.05	0.08	0.10	0.06	0.02	0.00	0.01	0.01	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.03	0.04	0.05	0.04	0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.05	0.06	0.04	0.00	0.00	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.01	0.00	0.03	0.05	0.06	0.01	-0.01	0.00	0.01	0.02	0.00
CRMS 0258	-0.03	-0.01	0.00	0.03	0.04	0.07	0.07	0.02	0.00	0.01	0.01	0.01
CRMS 0224	-0.02	-0.01	0.00	0.05	0.07	0.11	0.09	0.02	0.00	0.01	0.02	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 140 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.10	0.08	0.06	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.19	0.19	0.19	0.12	0.10	0.12	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.17	0.22	0.21	0.22	0.17	0.14	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.15	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.09	0.11	0.12	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.12	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.09	0.09	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.10	0.08	0.08	0.09	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.14	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.16	0.16	0.13	0.10	0.11	0.13	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.18	0.15	0.15	0.13	0.13	0.12	0.08	0.08	0.08	0.08	0.13	0.16
CRMS 0224	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.23	0.21	0.24	0.19	0.14	0.11	0.14	0.15	0.16

V3PR6 HYST - cy 3 - 2002 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.22	0.27	0.26	0.26	0.20	0.18	0.17	0.18	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.18	0.18	0.18	0.13	0.11	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.17	0.21	0.21	0.22	0.17	0.15	0.16	0.15	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.22	0.20	0.25	0.24	0.24	0.15	0.12	0.10	0.12	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.19	0.17	0.22	0.22	0.22	0.12	0.12	0.12	0.12	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.20	0.18	0.23	0.23	0.23	0.13	0.10	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.18	0.16	0.22	0.21	0.21	0.13	0.10	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.17	0.17	0.17	0.12	0.09	0.10	0.10	0.12	0.15
HWQ14 - Lake Washington	0.15	0.15	0.15	0.16	0.15	0.15	0.12	0.10	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.13	0.17	0.17	0.16	0.11	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.15	0.16	0.16	0.18	0.18	0.18	0.13	0.14	0.13	0.13	0.13	0.15
CRMS 0258	0.17	0.17	0.17	0.20	0.20	0.21	0.11	0.09	0.09	0.09	0.14	0.17
CRMS 0224	0.16	0.18	0.17	0.21	0.20	0.21	0.12	0.09	0.09	0.09	0.13	0.16
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.23	0.17	0.16	0.16	0.17	0.17	0.17
CRMS 0162	0.18	0.20	0.17	0.22	0.21	0.23	0.19	0.15	0.12	0.14	0.15	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.07	0.07	0.17	0.18	0.19	0.13	0.10	0.10	0.10	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.04	0.04	0.15	0.15	0.16	0.07	0.03	0.02	0.04	0.03	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.03	0.02	0.11	0.13	0.13	0.01	0.00	0.01	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.05	0.03	0.12	0.14	0.15	0.04	-0.01	0.00	0.01	0.01	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.04	0.02	0.09	0.11	0.12	0.03	0.00	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.01	0.06	0.07	0.08	0.03	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.06	0.07	0.07	0.02	-0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.03	0.03	0.03	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.05	0.07	0.07	0.00	0.00	0.01	0.01	0.00	0.02
CRMS 0258	-0.01	0.02	0.02	0.07	0.06	0.08	0.02	0.01	0.00	0.01	0.01	0.01
CRMS 0224	0.00	0.03	0.02	0.09	0.09	0.12	0.03	0.00	0.00	0.01	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 141 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.08	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.17	0.11	0.11	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.12	0.10	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.11	0.13	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.09	0.11	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.13	0.11	0.09	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.12	0.10	0.09	0.09	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.16	0.13	0.10	0.09	0.10	0.09	0.09	0.11
CRMS 3985	0.15	0.15	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.16	0.15	0.14	0.12	0.09	0.08	0.09	0.08	0.12	0.14
CRMS 0224	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.09	0.09	0.11	0.14
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.14	0.18

V3PR6 HYST - cy 3 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.20	0.19	0.17	0.17	0.18	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.19	0.21	0.17	0.11	0.11	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.20	0.22	0.24	0.20	0.16	0.15	0.16	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.23	0.25	0.25	0.26	0.17	0.14	0.13	0.11	0.12	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.20	0.22	0.23	0.24	0.14	0.11	0.13	0.12	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.24	0.14	0.10	0.10	0.11	0.10	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.19	0.22	0.22	0.23	0.15	0.10	0.10	0.11	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.14	0.17	0.19	0.18	0.19	0.13	0.09	0.10	0.11	0.10	0.13	0.15
HWQ14 - Lake Washington	0.14	0.15	0.17	0.17	0.17	0.12	0.10	0.11	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.15	0.18	0.18	0.19	0.14	0.10	0.10	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.16	0.18	0.19	0.20	0.14	0.13	0.15	0.13	0.13	0.14	0.14
CRMS 0258	0.15	0.18	0.20	0.20	0.22	0.13	0.10	0.09	0.09	0.09	0.15	0.16
CRMS 0224	0.15	0.19	0.21	0.21	0.23	0.13	0.09	0.09	0.09	0.09	0.14	0.16
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.17	0.16	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.17	0.12	0.12	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.12	0.16	0.19	0.14	0.13	0.10	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.06	0.10	0.14	0.17	0.08	0.05	0.03	0.03	0.04	0.04	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.11	0.15	0.04	0.00	0.00	0.02	0.02	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.08	0.11	0.15	0.06	0.01	-0.01	0.00	0.01	0.03	0.03
USGS 07380335 - Little Lake Near Cutoff	0.01	0.05	0.07	0.09	0.12	0.05	0.01	0.00	0.00	0.01	0.02	0.03
USGS073802516 Barataria Pass at Grand Isle	0.00	0.02	0.04	0.06	0.09	0.04	0.01	0.00	0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.06	0.09	0.04	0.01	-0.01	0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.02	0.02	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	0.01	0.03	0.06	0.09	0.03	-0.01	0.01	0.01	0.01	0.01	0.00
CRMS 0258	-0.02	0.02	0.04	0.05	0.08	0.01	0.01	0.01	0.00	0.01	0.02	0.02
CRMS 0224	-0.01	0.04	0.06	0.08	0.11	0.04	0.01	0.00	0.00	0.01	0.02	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 142 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.09	0.07	0.06	0.07	0.07	0.07	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.12	0.09	0.10	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.15	0.09	0.08	0.07	0.08	0.09	0.08	0.08	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.08	0.08	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.10	0.08	0.07	0.08	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.09	0.10	0.12	0.13	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.14	0.13	0.11	0.11	0.09	0.08	0.08	0.08	0.08	0.13	0.14
CRMS 0224	0.16	0.14	0.13	0.10	0.09	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.17	0.18	0.19	0.16	0.13	0.14	0.13	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.15	0.14	0.11	0.10	0.13	0.16	0.17

V3PR6 HYST - cy 3 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.22	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.14	0.14	0.12	0.09	0.09	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.15	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.17	0.14	0.16	0.11	0.12	0.11	0.10	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.15	0.12	0.15	0.10	0.12	0.13	0.12	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.12	0.16	0.09	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.12	0.14	0.09	0.09	0.09	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.13	0.13	0.11	0.11	0.08	0.08	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.13	0.13	0.10	0.10	0.09	0.10	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.12	0.11	0.11	0.11	0.09	0.08	0.08	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.14	0.12	0.12	0.10	0.13	0.15	0.13	0.13	0.13	0.14
CRMS 0258	0.18	0.14	0.14	0.12	0.13	0.09	0.08	0.08	0.08	0.08	0.13	0.15
CRMS 0224	0.16	0.14	0.14	0.12	0.13	0.08	0.08	0.09	0.09	0.09	0.13	0.14
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.16	0.14	0.14	0.14	0.16	0.18	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.16	0.14	0.12	0.10	0.14	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.06	0.11	0.15	0.12	0.11	0.09	0.10	0.10	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.01	0.02	0.05	0.08	0.03	0.04	0.02	0.02	0.03	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.02	0.03	0.07	0.01	0.01	0.03	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.01	0.01	0.03	0.08	0.01	0.00	0.00	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.00	0.02	0.06	0.01	0.00	0.00	0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.01	0.00	0.01	0.03	0.01	0.00	0.00	0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.02	0.00	0.00	0.01	0.01	0.01	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 0224	0.00	0.00	0.00	0.02	0.04	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 143 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.07	0.06	0.07	0.08	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.18	0.18	0.18	0.18	0.18	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.09	0.11	0.12	0.10	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.13	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.16	0.11	0.08	0.08	0.09	0.11	0.10	0.10	0.11	0.14
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.18	0.14	0.11	0.11	0.13	0.14	0.12	0.12	0.11	0.14
CRMS 0258	0.19	0.17	0.17	0.14	0.12	0.12	0.10	0.10	0.10	0.08	0.13	0.16
CRMS 0224	0.17	0.17	0.16	0.13	0.10	0.09	0.09	0.09	0.10	0.09	0.12	0.15
CRMS 0163	0.20	0.23	0.22	0.23	0.22	0.22	0.20	0.19	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.15

V3PR6 HYST - cy 3 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.16	0.17	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.17	0.17	0.17	0.16	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.22	0.23	0.23	0.23	0.21	0.16	0.10	0.12	0.18	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.21	0.20	0.18	0.14	0.11	0.12	0.16	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.10	0.10	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.19	0.21	0.20	0.21	0.20	0.20	0.18	0.15	0.11	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.18	0.19	0.18	0.17	0.15	0.15	0.14	0.13	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.17	0.18	0.18	0.16	0.14	0.14	0.13	0.12	0.09	0.10	0.15	0.18
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.17	0.15	0.15	0.13	0.12	0.11	0.10	0.10	0.12
CRMS 3985	0.17	0.18	0.18	0.17	0.16	0.16	0.14	0.13	0.12	0.13	0.15	0.16
CRMS 0258	0.19	0.20	0.19	0.19	0.18	0.19	0.18	0.14	0.10	0.09	0.15	0.18
CRMS 0224	0.19	0.21	0.20	0.20	0.19	0.20	0.19	0.15	0.10	0.09	0.14	0.17
CRMS 0163	0.20	0.23	0.22	0.22	0.22	0.22	0.19	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.15	0.13	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.14	0.18	0.18	0.17	0.14	0.12	0.11	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	-0.01	-0.01	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.06	0.06	0.12	0.15	0.15	0.14	0.07	0.02	0.04	0.05	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.04	0.03	0.08	0.11	0.11	0.08	0.02	0.00	0.01	0.04	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.06	0.05	0.10	0.12	0.13	0.11	0.05	0.00	0.01	0.03	0.02
USGS 07380335 - Little Lake Near Cutoff	0.04	0.05	0.04	0.08	0.10	0.10	0.08	0.04	0.00	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.03	0.02	0.03	0.05	0.06	0.07	0.05	0.03	0.00	0.01	0.02	0.03
HWQ14 - Lake Washington	0.00	0.00	0.01	0.04	0.06	0.06	0.04	0.01	-0.01	0.01	0.03	0.03
HWQ16 - Bayou Grand Liard	0.03	0.02	0.02	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.01	0.00	0.03	0.05	0.05	0.02	0.00	0.00	0.01	0.04	0.02
CRMS 0258	0.00	0.03	0.02	0.05	0.06	0.07	0.08	0.04	0.00	0.00	0.02	0.03
CRMS 0224	0.02	0.04	0.04	0.07	0.09	0.10	0.10	0.05	0.00	0.01	0.02	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 144 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.10	0.07	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.14	0.18	0.19	0.21	0.15	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.19	0.17	0.11	0.09	0.09	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.12	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.09	0.11	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.14	0.15	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.09	0.10	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.15	0.13	0.14	0.13	0.10	0.10	0.09	0.08	0.13	0.14
CRMS 0224	0.16	0.15	0.15	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.21	0.18	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.20	0.21	0.23	0.25	0.23	0.20	0.15	0.13	0.13	0.20

V3PR6 HYST - cy 3 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.18	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.21	0.17	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.19	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.23	0.24	0.26	0.26	0.22	0.14	0.11	0.12	0.17	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.19	0.21	0.23	0.24	0.20	0.12	0.11	0.12	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.21	0.22	0.24	0.24	0.21	0.12	0.10	0.10	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.19	0.20	0.22	0.23	0.19	0.13	0.11	0.10	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.16	0.16	0.17	0.18	0.16	0.12	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.15	0.15	0.15	0.17	0.15	0.12	0.10	0.11	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.14	0.16	0.17	0.18	0.15	0.12	0.11	0.10	0.10	0.14
CRMS 3985	0.14	0.14	0.16	0.16	0.18	0.20	0.16	0.14	0.13	0.13	0.15	0.16
CRMS 0258	0.15	0.16	0.17	0.19	0.20	0.23	0.19	0.12	0.10	0.09	0.15	0.17
CRMS 0224	0.14	0.15	0.18	0.20	0.21	0.23	0.20	0.12	0.10	0.10	0.14	0.18
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.20	0.19	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.19	0.21	0.24	0.25	0.23	0.20	0.15	0.13	0.13	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.10	0.16	0.20	0.20	0.17	0.13	0.11	0.10	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	0.06	0.13	0.17	0.17	0.14	0.05	0.03	0.04	0.05	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.06	0.11	0.15	0.15	0.09	0.00	0.01	0.02	0.03	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.06	0.11	0.15	0.16	0.11	0.02	0.00	0.01	0.03	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.04	0.08	0.12	0.14	0.09	0.02	0.00	0.01	0.02	0.05
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.02	0.05	0.08	0.09	0.06	0.02	0.00	0.01	0.02	0.03
HWQ14 - Lake Washington	-0.02	-0.01	0.00	0.05	0.08	0.09	0.06	0.01	0.00	0.01	0.03	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.03	0.02	0.01	0.00	0.00	0.01	0.02
CRMS 3985	0.00	0.01	0.02	0.05	0.09	0.10	0.04	-0.01	0.00	0.01	0.02	0.01
CRMS 0258	-0.02	0.00	0.02	0.05	0.07	0.10	0.09	0.02	0.00	0.01	0.02	0.03
CRMS 0224	-0.01	-0.01	0.03	0.08	0.10	0.13	0.11	0.02	0.00	0.01	0.02	0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 145 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.10	0.08	0.06	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.19	0.19	0.19	0.12	0.10	0.12	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.17	0.22	0.21	0.22	0.17	0.14	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.15	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.09	0.11	0.12	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.12	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.09	0.09	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.10	0.08	0.08	0.09	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.14	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.16	0.16	0.13	0.10	0.11	0.13	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.18	0.15	0.15	0.13	0.13	0.12	0.08	0.08	0.08	0.08	0.13	0.16
CRMS 0224	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.23	0.21	0.24	0.19	0.14	0.11	0.14	0.15	0.16

V3PR7 HYST - cy 3 - 2002 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.22	0.27	0.26	0.26	0.20	0.18	0.17	0.18	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.18	0.18	0.18	0.13	0.11	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.17	0.21	0.21	0.22	0.17	0.15	0.16	0.15	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.22	0.19	0.25	0.24	0.24	0.15	0.13	0.11	0.12	0.15	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.19	0.17	0.22	0.22	0.22	0.12	0.12	0.12	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.20	0.18	0.23	0.23	0.23	0.13	0.10	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.18	0.16	0.22	0.21	0.22	0.13	0.10	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.16	0.15	0.17	0.17	0.17	0.12	0.09	0.10	0.10	0.13	0.15
HWQ14 - Lake Washington	0.15	0.15	0.15	0.16	0.15	0.15	0.12	0.10	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.17	0.17	0.16	0.11	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.18	0.17	0.18	0.13	0.14	0.13	0.13	0.14	0.15
CRMS 0258	0.17	0.17	0.17	0.20	0.20	0.21	0.11	0.09	0.09	0.09	0.14	0.17
CRMS 0224	0.16	0.18	0.17	0.21	0.21	0.22	0.12	0.09	0.09	0.09	0.13	0.16
CRMS 0163	0.18	0.21	0.20	0.24	0.23	0.23	0.17	0.16	0.16	0.17	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.22	0.21	0.24	0.20	0.15	0.12	0.15	0.15	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.07	0.07	0.17	0.18	0.19	0.13	0.10	0.10	0.10	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.04	0.04	0.15	0.15	0.16	0.07	0.04	0.03	0.04	0.03	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.03	0.02	0.11	0.13	0.13	0.01	0.00	0.01	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.05	0.03	0.12	0.14	0.15	0.03	-0.01	0.00	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.04	0.02	0.10	0.11	0.12	0.03	0.00	0.00	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.01	0.06	0.07	0.08	0.03	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.06	0.07	0.07	0.02	-0.01	0.01	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.02	0.01	0.03	0.03	0.03	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.05	0.07	0.07	0.00	0.00	0.01	0.01	0.01	0.02
CRMS 0258	-0.01	0.02	0.02	0.07	0.07	0.08	0.02	0.01	0.00	0.01	0.01	0.01
CRMS 0224	0.00	0.04	0.02	0.09	0.10	0.12	0.03	0.00	0.00	0.01	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00

Figure WQ TOTP 146 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.08	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.17	0.11	0.11	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.12	0.10	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.11	0.13	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.09	0.11	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.13	0.11	0.09	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.12	0.10	0.09	0.09	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.16	0.13	0.10	0.09	0.10	0.09	0.09	0.11
CRMS 3985	0.15	0.15	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.16	0.15	0.14	0.12	0.09	0.08	0.09	0.08	0.12	0.14
CRMS 0224	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.09	0.09	0.11	0.14
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.14	0.18

V3PR7 HYST - cy 3 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.20	0.19	0.17	0.17	0.18	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.19	0.21	0.17	0.11	0.11	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.18	0.20	0.22	0.24	0.20	0.16	0.15	0.16	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.23	0.25	0.25	0.26	0.17	0.14	0.13	0.11	0.12	0.16	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.20	0.22	0.23	0.24	0.14	0.11	0.13	0.12	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.24	0.14	0.10	0.10	0.11	0.10	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.19	0.22	0.22	0.23	0.15	0.10	0.10	0.11	0.10	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.14	0.17	0.19	0.18	0.19	0.13	0.09	0.10	0.11	0.10	0.13	0.15
HWQ14 - Lake Washington	0.14	0.15	0.17	0.17	0.17	0.12	0.10	0.11	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.15	0.18	0.18	0.19	0.14	0.10	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.16	0.18	0.18	0.19	0.13	0.13	0.15	0.13	0.13	0.14	0.15
CRMS 0258	0.15	0.18	0.20	0.21	0.22	0.13	0.10	0.09	0.09	0.09	0.14	0.16
CRMS 0224	0.15	0.19	0.21	0.22	0.23	0.14	0.09	0.10	0.09	0.09	0.14	0.16
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.17	0.16	0.16	0.18
CRMS 0162	0.18	0.21	0.22	0.22	0.24	0.20	0.20	0.17	0.12	0.12	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.12	0.16	0.19	0.14	0.13	0.10	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.06	0.10	0.13	0.16	0.09	0.06	0.04	0.03	0.04	0.04	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.11	0.15	0.04	0.00	0.00	0.02	0.02	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.08	0.11	0.15	0.06	0.01	-0.01	0.00	0.01	0.02	0.03
USGS 07380335 - Little Lake Near Cutoff	0.01	0.05	0.07	0.09	0.13	0.05	0.01	0.00	0.00	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.02	0.04	0.06	0.09	0.04	0.01	0.00	0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.06	0.09	0.04	0.01	-0.01	0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.02	0.02	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	0.01	0.03	0.05	0.09	0.02	-0.01	0.01	0.01	0.01	0.01	0.01
CRMS 0258	-0.02	0.02	0.04	0.06	0.08	0.01	0.01	0.01	0.00	0.01	0.02	0.01
CRMS 0224	-0.01	0.04	0.06	0.08	0.11	0.04	0.01	0.00	0.00	0.01	0.02	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00

Figure WQ TOTP 147 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.09	0.07	0.06	0.07	0.07	0.07	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.12	0.09	0.10	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.15	0.09	0.08	0.07	0.08	0.09	0.08	0.08	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.08	0.08	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.10	0.08	0.07	0.08	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.09	0.10	0.12	0.13	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.14	0.13	0.11	0.11	0.09	0.08	0.08	0.08	0.08	0.13	0.14
CRMS 0224	0.16	0.14	0.13	0.10	0.09	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.17	0.18	0.19	0.16	0.13	0.14	0.13	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.15	0.14	0.11	0.10	0.13	0.16	0.17

V3PR7 HYST - cy 3 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.22	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.14	0.14	0.12	0.09	0.09	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.15	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.17	0.15	0.17	0.11	0.12	0.12	0.10	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.15	0.12	0.14	0.10	0.12	0.13	0.12	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.16	0.09	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.12	0.14	0.09	0.09	0.09	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.13	0.13	0.11	0.11	0.08	0.08	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.13	0.13	0.10	0.10	0.09	0.10	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.12	0.11	0.11	0.11	0.10	0.08	0.08	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.14	0.12	0.12	0.11	0.13	0.15	0.13	0.13	0.13	0.14
CRMS 0258	0.17	0.14	0.14	0.12	0.13	0.09	0.08	0.08	0.08	0.08	0.13	0.15
CRMS 0224	0.16	0.14	0.14	0.12	0.14	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.16	0.14	0.14	0.15	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.16	0.14	0.12	0.10	0.13	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.06	0.11	0.15	0.12	0.11	0.09	0.10	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.00	0.02	0.05	0.09	0.03	0.04	0.03	0.02	0.03	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.02	0.03	0.07	0.01	0.01	0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.01	0.03	0.08	0.01	0.00	0.00	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.00	0.02	0.06	0.01	0.00	0.00	0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.01	0.00	0.01	0.03	0.01	0.00	0.00	0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.03	0.00	0.00	0.01	0.01	0.01	0.00	0.00
CRMS 0258	-0.01	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 0224	0.00	0.00	0.00	0.02	0.05	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00

Figure WQ TOTP 148 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.07	0.06	0.07	0.08	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.18	0.18	0.18	0.18	0.18	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.09	0.11	0.12	0.10	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.13	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.16	0.11	0.08	0.08	0.09	0.11	0.10	0.10	0.11	0.14
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.18	0.14	0.11	0.11	0.13	0.14	0.12	0.12	0.11	0.14
CRMS 0258	0.19	0.17	0.17	0.14	0.12	0.12	0.10	0.10	0.10	0.08	0.13	0.16
CRMS 0224	0.17	0.17	0.16	0.13	0.10	0.09	0.09	0.09	0.10	0.09	0.12	0.15
CRMS 0163	0.20	0.23	0.22	0.23	0.22	0.22	0.20	0.19	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.15

V3PR7 HYST - cy 3 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.16	0.17	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.20	0.20	0.20	0.20	0.20	0.17	0.17	0.17	0.16	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.22	0.23	0.23	0.23	0.22	0.17	0.11	0.12	0.17	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.14	0.11	0.12	0.16	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.10	0.10	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.19	0.21	0.20	0.21	0.20	0.20	0.18	0.15	0.11	0.10	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.18	0.19	0.18	0.17	0.15	0.15	0.14	0.13	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.17	0.17	0.18	0.16	0.14	0.14	0.13	0.12	0.09	0.10	0.15	0.17
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.17	0.15	0.15	0.13	0.12	0.11	0.10	0.10	0.12
CRMS 3985	0.17	0.18	0.18	0.17	0.16	0.16	0.14	0.13	0.12	0.13	0.15	0.16
CRMS 0258	0.19	0.20	0.19	0.19	0.18	0.19	0.18	0.14	0.10	0.09	0.15	0.18
CRMS 0224	0.19	0.21	0.20	0.20	0.19	0.20	0.19	0.15	0.10	0.09	0.14	0.17
CRMS 0163	0.20	0.23	0.22	0.22	0.22	0.22	0.19	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.15	0.13	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.14	0.18	0.18	0.17	0.14	0.12	0.11	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	-0.01	-0.01	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.06	0.06	0.12	0.15	0.15	0.14	0.08	0.03	0.04	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.04	0.03	0.08	0.11	0.11	0.08	0.02	0.00	0.01	0.04	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.06	0.05	0.10	0.12	0.13	0.11	0.05	0.00	0.01	0.03	0.02
USGS 07380335 - Little Lake Near Cutoff	0.04	0.05	0.04	0.08	0.10	0.10	0.08	0.04	0.00	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.03	0.02	0.03	0.05	0.06	0.07	0.05	0.03	0.00	0.01	0.02	0.02
HWQ14 - Lake Washington	0.00	0.00	0.01	0.04	0.06	0.06	0.04	0.01	-0.01	0.01	0.03	0.03
HWQ16 - Bayou Grand Liard	0.03	0.02	0.02	0.03	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.01	0.00	0.03	0.05	0.05	0.02	0.00	0.00	0.01	0.04	0.02
CRMS 0258	0.00	0.03	0.02	0.05	0.06	0.07	0.08	0.04	0.00	0.01	0.02	0.03
CRMS 0224	0.02	0.04	0.04	0.07	0.09	0.10	0.10	0.05	0.00	0.01	0.02	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 149 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.10	0.07	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.14	0.18	0.19	0.21	0.15	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.19	0.17	0.11	0.09	0.09	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.12	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.09	0.11	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.14	0.15	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.09	0.10	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.15	0.13	0.14	0.13	0.10	0.10	0.09	0.08	0.13	0.14
CRMS 0224	0.16	0.15	0.15	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.21	0.18	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.20	0.21	0.23	0.25	0.23	0.20	0.15	0.13	0.13	0.20

V3PR7 HYST - cy 3 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.18	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.19	0.21	0.17	0.13	0.14	0.12	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.19	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.22	0.24	0.26	0.26	0.22	0.14	0.11	0.12	0.17	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.19	0.21	0.23	0.24	0.19	0.12	0.11	0.12	0.16	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.21	0.22	0.24	0.24	0.21	0.12	0.10	0.10	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.19	0.20	0.22	0.23	0.19	0.13	0.11	0.10	0.13	0.19
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.16	0.16	0.17	0.18	0.16	0.12	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.15	0.15	0.15	0.17	0.15	0.12	0.10	0.11	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.14	0.16	0.17	0.18	0.15	0.12	0.11	0.09	0.10	0.14
CRMS 3985	0.14	0.14	0.15	0.16	0.18	0.20	0.16	0.13	0.13	0.13	0.15	0.16
CRMS 0258	0.15	0.16	0.17	0.19	0.20	0.23	0.19	0.12	0.10	0.09	0.15	0.17
CRMS 0224	0.14	0.15	0.18	0.20	0.21	0.24	0.20	0.12	0.10	0.10	0.14	0.18
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.20	0.19	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.19	0.21	0.24	0.26	0.23	0.20	0.15	0.13	0.13	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.10	0.16	0.20	0.20	0.17	0.13	0.11	0.10	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	0.06	0.13	0.17	0.17	0.14	0.05	0.03	0.04	0.04	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.05	0.11	0.15	0.15	0.09	0.00	0.01	0.01	0.03	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.06	0.11	0.15	0.16	0.11	0.02	0.00	0.01	0.03	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.04	0.08	0.12	0.14	0.09	0.02	0.00	0.01	0.02	0.05
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.02	0.05	0.08	0.09	0.06	0.02	0.00	0.01	0.02	0.03
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.05	0.08	0.09	0.06	0.01	0.00	0.01	0.03	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.03	0.02	0.01	0.00	0.00	0.01	0.02
CRMS 3985	0.00	0.01	0.02	0.05	0.08	0.09	0.03	-0.01	0.00	0.01	0.02	0.01
CRMS 0258	-0.02	0.00	0.02	0.05	0.07	0.10	0.09	0.02	0.00	0.01	0.02	0.03
CRMS 0224	-0.01	-0.01	0.03	0.08	0.10	0.13	0.11	0.02	0.00	0.01	0.02	0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ TOTP 150 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.10	0.08	0.06	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.19	0.19	0.19	0.12	0.10	0.12	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.17	0.22	0.21	0.22	0.17	0.14	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.15	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.09	0.11	0.12	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.12	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.09	0.09	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.10	0.08	0.08	0.09	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.14	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.16	0.16	0.13	0.10	0.11	0.13	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.18	0.15	0.15	0.13	0.13	0.12	0.08	0.08	0.08	0.08	0.13	0.16
CRMS 0224	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.23	0.21	0.24	0.19	0.14	0.11	0.14	0.15	0.16

V3PR8 HYST - cy 3 - 2002 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.22	0.27	0.26	0.26	0.20	0.18	0.17	0.17	0.18	0.19
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.18	0.18	0.18	0.13	0.11	0.12	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.15	0.16	0.19	0.19	0.20	0.15	0.12	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.22	0.20	0.25	0.24	0.24	0.15	0.13	0.10	0.12	0.15	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.19	0.17	0.22	0.22	0.22	0.12	0.12	0.12	0.12	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.21	0.18	0.23	0.23	0.23	0.12	0.09	0.10	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.18	0.16	0.22	0.21	0.21	0.13	0.10	0.10	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.15	0.17	0.17	0.16	0.11	0.09	0.10	0.10	0.12	0.15
HWQ14 - Lake Washington	0.15	0.15	0.15	0.16	0.15	0.15	0.12	0.10	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.13	0.17	0.16	0.16	0.11	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.17	0.17	0.17	0.13	0.14	0.13	0.13	0.14	0.15
CRMS 0258	0.17	0.18	0.17	0.20	0.20	0.21	0.11	0.09	0.09	0.09	0.15	0.17
CRMS 0224	0.16	0.18	0.17	0.21	0.21	0.22	0.12	0.09	0.09	0.09	0.14	0.16
CRMS 0163	0.18	0.20	0.19	0.23	0.23	0.23	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.22	0.21	0.23	0.20	0.15	0.12	0.15	0.15	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.07	0.07	0.17	0.18	0.19	0.13	0.10	0.10	0.10	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.03	-0.01	-0.03	-0.02	-0.03	-0.02	-0.02	-0.01	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.04	0.04	0.15	0.15	0.16	0.07	0.03	0.03	0.04	0.03	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.03	0.02	0.11	0.13	0.13	0.01	0.00	0.01	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.05	0.03	0.12	0.14	0.15	0.03	-0.01	0.00	0.01	0.01	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.04	0.02	0.09	0.11	0.12	0.03	0.00	0.00	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.01	0.06	0.07	0.08	0.03	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.06	0.07	0.07	0.02	-0.01	0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.03	0.02	0.03	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.05	0.07	0.07	0.00	0.00	0.01	0.01	0.01	0.02
CRMS 0258	-0.01	0.03	0.02	0.07	0.07	0.09	0.02	0.01	0.01	0.01	0.01	0.01
CRMS 0224	0.00	0.04	0.02	0.09	0.10	0.12	0.03	0.00	0.00	0.01	0.01	0.01
CRMS 0163	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00

Figure WQ TOTP 151 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.08	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.17	0.11	0.11	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.12	0.10	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.11	0.13	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.09	0.11	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.13	0.11	0.09	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.12	0.10	0.09	0.09	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.16	0.13	0.10	0.09	0.10	0.09	0.09	0.11
CRMS 3985	0.15	0.15	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.16	0.15	0.14	0.12	0.09	0.08	0.09	0.08	0.12	0.14
CRMS 0224	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.09	0.09	0.11	0.14
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.14	0.18

V3PR8 HYST - cy 3 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.20	0.19	0.17	0.17	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.18	0.19	0.20	0.16	0.11	0.11	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.18	0.20	0.21	0.19	0.14	0.14	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.23	0.25	0.25	0.26	0.17	0.14	0.13	0.11	0.12	0.16	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.20	0.22	0.22	0.24	0.14	0.12	0.13	0.12	0.12	0.15	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.25	0.14	0.10	0.10	0.10	0.10	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.19	0.22	0.22	0.23	0.14	0.10	0.10	0.11	0.10	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.17	0.19	0.18	0.19	0.13	0.09	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.14	0.15	0.17	0.17	0.17	0.12	0.11	0.11	0.11	0.11	0.14	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.17	0.18	0.18	0.14	0.10	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.16	0.18	0.18	0.19	0.13	0.13	0.15	0.13	0.13	0.14	0.15
CRMS 0258	0.15	0.18	0.20	0.21	0.22	0.13	0.10	0.09	0.09	0.09	0.14	0.15
CRMS 0224	0.15	0.19	0.21	0.22	0.23	0.14	0.09	0.09	0.10	0.09	0.13	0.16
CRMS 0163	0.18	0.21	0.23	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.22	0.22	0.24	0.20	0.20	0.17	0.13	0.12	0.14	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.12	0.16	0.19	0.14	0.13	0.10	0.10	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.03	-0.02	-0.02	-0.01	-0.02	-0.02	-0.01	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.06	0.10	0.14	0.17	0.09	0.06	0.03	0.03	0.04	0.04	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.11	0.15	0.04	0.00	0.01	0.02	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.08	0.11	0.15	0.06	0.01	-0.01	0.00	0.01	0.02	0.03
USGS 07380335 - Little Lake Near Cutoff	0.01	0.05	0.07	0.09	0.13	0.05	0.01	0.00	0.00	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.02	0.04	0.06	0.09	0.04	0.01	0.00	0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.06	0.09	0.04	0.01	-0.01	0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.02	0.02	0.03	0.03	0.02	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	0.01	0.03	0.05	0.09	0.02	0.00	0.01	0.01	0.01	0.01	0.01
CRMS 0258	-0.02	0.03	0.05	0.06	0.08	0.02	0.01	0.01	0.01	0.01	0.02	0.01
CRMS 0224	-0.01	0.04	0.06	0.08	0.11	0.04	0.01	0.00	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00

Figure WQ TOTP 152 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.09	0.07	0.06	0.07	0.07	0.07	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.12	0.09	0.10	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.15	0.09	0.08	0.07	0.08	0.09	0.08	0.08	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.08	0.08	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.10	0.08	0.07	0.08	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.09	0.10	0.12	0.13	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.14	0.13	0.11	0.11	0.09	0.08	0.08	0.08	0.08	0.13	0.14
CRMS 0224	0.16	0.14	0.13	0.10	0.09	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.17	0.18	0.19	0.16	0.13	0.14	0.13	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.15	0.14	0.11	0.10	0.13	0.16	0.17

V3PR8 HYST - cy 3 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.22	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.12	0.13	0.13	0.12	0.09	0.09	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.13	0.14	0.15	0.15	0.14	0.11	0.11	0.13	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.17	0.15	0.17	0.11	0.12	0.12	0.10	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.15	0.12	0.14	0.10	0.12	0.13	0.12	0.11	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.12	0.16	0.08	0.09	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.12	0.14	0.09	0.09	0.09	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.13	0.13	0.11	0.11	0.08	0.08	0.09	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.13	0.14	0.10	0.10	0.09	0.10	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.12	0.11	0.11	0.11	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.15	0.13	0.14	0.12	0.11	0.11	0.13	0.15	0.13	0.13	0.13	0.14
CRMS 0258	0.18	0.14	0.14	0.12	0.13	0.08	0.08	0.08	0.09	0.09	0.14	0.15
CRMS 0224	0.16	0.14	0.14	0.12	0.14	0.08	0.08	0.09	0.09	0.09	0.13	0.15
CRMS 0163	0.15	0.18	0.17	0.18	0.18	0.16	0.13	0.14	0.15	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.16	0.15	0.12	0.10	0.13	0.16	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.06	0.11	0.15	0.12	0.11	0.09	0.09	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	0.00	-0.01	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.00	0.02	0.05	0.09	0.03	0.04	0.03	0.02	0.03	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.02	0.03	0.07	0.01	0.01	0.03	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.01	0.01	0.03	0.08	0.01	0.00	0.00	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.00	0.02	0.06	0.01	0.00	0.00	0.01	0.00	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.01	0.00	0.01	0.03	0.01	0.00	0.00	0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.03	0.01	0.00	0.02	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.02	0.00	0.00	0.02	0.01	0.01	0.00	0.00
CRMS 0258	0.00	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.01	0.00	0.00	0.01
CRMS 0224	0.00	0.00	0.00	0.02	0.05	0.00	0.00	-0.01	0.00	0.00	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	0.00	0.00

Figure WQ TOTP 153 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.07	0.06	0.07	0.08	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.18	0.18	0.18	0.18	0.18	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.09	0.11	0.12	0.10	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.13	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.16	0.11	0.08	0.08	0.09	0.11	0.10	0.10	0.11	0.14
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.18	0.14	0.11	0.11	0.13	0.14	0.12	0.12	0.11	0.14
CRMS 0258	0.19	0.17	0.17	0.14	0.12	0.12	0.10	0.10	0.10	0.08	0.13	0.16
CRMS 0224	0.17	0.17	0.16	0.13	0.10	0.09	0.09	0.09	0.10	0.09	0.12	0.15
CRMS 0163	0.20	0.23	0.22	0.23	0.22	0.22	0.20	0.19	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.15

V3PR8 HYST - cy 3 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.18	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.16	0.17	0.18	0.18	0.17	0.17	0.15	0.14	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.19	0.19	0.18	0.19	0.15	0.15	0.16	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.22	0.24	0.23	0.23	0.22	0.17	0.10	0.12	0.17	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.14	0.11	0.12	0.15	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.21	0.23	0.21	0.22	0.21	0.21	0.20	0.15	0.10	0.10	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.19	0.21	0.20	0.21	0.20	0.20	0.18	0.15	0.10	0.10	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.18	0.19	0.18	0.17	0.15	0.15	0.14	0.13	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.17	0.18	0.18	0.16	0.14	0.14	0.13	0.12	0.09	0.11	0.15	0.17
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.16	0.15	0.15	0.12	0.12	0.11	0.10	0.10	0.11
CRMS 3985	0.17	0.18	0.18	0.17	0.16	0.16	0.14	0.13	0.12	0.13	0.14	0.16
CRMS 0258	0.19	0.20	0.19	0.19	0.18	0.19	0.18	0.14	0.10	0.09	0.14	0.17
CRMS 0224	0.19	0.21	0.20	0.20	0.19	0.20	0.19	0.15	0.09	0.09	0.14	0.16
CRMS 0163	0.19	0.23	0.21	0.22	0.22	0.22	0.19	0.19	0.18	0.17	0.16	0.16
CRMS 0162	0.20	0.23	0.20	0.20	0.20	0.22	0.22	0.20	0.16	0.15	0.13	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.14	0.18	0.18	0.17	0.14	0.12	0.11	0.06	0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	-0.01	-0.01	-0.01	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.03	-0.01	-0.02	-0.02	-0.02	-0.03	-0.02	-0.01	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.06	0.06	0.12	0.15	0.15	0.14	0.08	0.02	0.04	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.03	0.04	0.03	0.08	0.11	0.11	0.08	0.02	0.00	0.01	0.04	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.06	0.05	0.10	0.12	0.13	0.11	0.05	0.00	0.01	0.03	0.02
USGS 07380335 - Little Lake Near Cutoff	0.04	0.05	0.04	0.08	0.10	0.10	0.08	0.04	0.00	0.01	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	0.03	0.02	0.03	0.05	0.06	0.06	0.05	0.03	0.00	0.01	0.02	0.02
HWQ14 - Lake Washington	0.00	0.00	0.01	0.04	0.06	0.06	0.04	0.01	0.00	0.01	0.03	0.03
HWQ16 - Bayou Grand Liard	0.03	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.01	0.00	0.03	0.05	0.05	0.01	-0.01	0.00	0.01	0.03	0.01
CRMS 0258	0.00	0.03	0.02	0.06	0.06	0.07	0.08	0.04	0.00	0.01	0.01	0.01
CRMS 0224	0.02	0.05	0.04	0.08	0.09	0.10	0.10	0.05	0.00	0.01	0.02	0.01
CRMS 0163	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 154 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.10	0.07	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.14	0.18	0.19	0.21	0.15	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.19	0.17	0.11	0.09	0.09	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.12	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.09	0.11	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.14	0.15	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.09	0.10	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.15	0.13	0.14	0.13	0.10	0.10	0.09	0.08	0.13	0.14
CRMS 0224	0.16	0.15	0.15	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.21	0.18	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.20	0.21	0.23	0.25	0.23	0.20	0.15	0.13	0.13	0.20

V3PR8 HYST - cy 3 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.18	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.17	0.18	0.21	0.17	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.14	0.18	0.20	0.22	0.17	0.15	0.16	0.15	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.23	0.24	0.26	0.26	0.22	0.14	0.10	0.12	0.17	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.19	0.21	0.23	0.24	0.19	0.12	0.11	0.12	0.15	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.21	0.22	0.24	0.25	0.21	0.12	0.10	0.10	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.19	0.20	0.22	0.23	0.19	0.13	0.11	0.10	0.12	0.18
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.16	0.16	0.17	0.18	0.16	0.12	0.10	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.15	0.15	0.15	0.17	0.15	0.12	0.10	0.11	0.15	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.14	0.16	0.17	0.18	0.14	0.11	0.11	0.10	0.10	0.14
CRMS 3985	0.14	0.14	0.15	0.16	0.17	0.19	0.16	0.14	0.13	0.13	0.15	0.15
CRMS 0258	0.15	0.16	0.17	0.19	0.21	0.23	0.19	0.12	0.09	0.09	0.14	0.17
CRMS 0224	0.15	0.15	0.18	0.20	0.22	0.24	0.20	0.12	0.09	0.09	0.14	0.18
CRMS 0163	0.16	0.16	0.20	0.22	0.24	0.25	0.20	0.19	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.19	0.20	0.24	0.25	0.23	0.20	0.15	0.13	0.14	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	-0.01	0.10	0.16	0.20	0.20	0.17	0.13	0.11	0.10	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.03	-0.02	-0.03	-0.02	-0.03	-0.02	-0.01	-0.01	0.00	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.03	0.06	0.13	0.17	0.17	0.14	0.05	0.03	0.04	0.04	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.05	0.11	0.15	0.15	0.09	0.00	0.01	0.02	0.03	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.06	0.11	0.15	0.16	0.12	0.02	0.00	0.01	0.02	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.04	0.08	0.12	0.14	0.09	0.02	0.00	0.01	0.02	0.05
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.02	0.05	0.08	0.09	0.06	0.02	0.00	0.01	0.02	0.03
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.05	0.08	0.09	0.06	0.01	0.00	0.01	0.03	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.03	0.01	0.00	0.00	0.00	0.00	0.02
CRMS 3985	0.00	0.01	0.02	0.05	0.08	0.09	0.03	-0.01	0.00	0.01	0.01	0.01
CRMS 0258	-0.02	0.00	0.02	0.06	0.07	0.10	0.09	0.02	0.00	0.01	0.02	0.03
CRMS 0224	-0.01	0.00	0.03	0.08	0.11	0.13	0.11	0.02	0.00	0.01	0.02	0.04
CRMS 0163	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 155 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.15	0.10	0.08	0.06	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.15	0.19	0.19	0.19	0.12	0.10	0.12	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.17	0.22	0.21	0.22	0.17	0.14	0.15	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.15	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.09	0.11	0.12	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.12	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.09	0.09	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.10	0.08	0.08	0.09	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.14	0.14	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.16	0.16	0.13	0.10	0.11	0.13	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.18	0.15	0.15	0.13	0.13	0.12	0.08	0.08	0.08	0.08	0.13	0.16
CRMS 0224	0.16	0.15	0.14	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.15
CRMS 0163	0.18	0.21	0.19	0.24	0.23	0.24	0.17	0.15	0.16	0.16	0.17	0.17
CRMS 0162	0.18	0.20	0.18	0.23	0.21	0.24	0.19	0.14	0.11	0.14	0.15	0.16

V3PR9 HYST - cy 3 - 2002 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.18	0.15	0.10	0.07	0.06	0.07	0.08	0.07	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.15	0.18	0.18	0.18	0.12	0.10	0.12	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.19	0.19	0.20	0.15	0.12	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.10	0.09	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.09	0.11	0.12	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.12	0.10	0.09	0.09	0.10	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.08	0.09	0.09	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.17	0.15	0.10	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.11	0.13	0.13	0.14	0.13	0.13	0.10	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.16	0.15	0.12	0.10	0.10	0.13	0.14	0.12	0.12	0.13	0.13
CRMS 0258	0.18	0.15	0.15	0.13	0.13	0.12	0.08	0.08	0.09	0.09	0.12	0.15
CRMS 0224	0.16	0.15	0.15	0.12	0.10	0.09	0.08	0.09	0.09	0.09	0.11	0.14
CRMS 0163	0.18	0.20	0.19	0.23	0.23	0.23	0.16	0.15	0.16	0.16	0.16	0.17
CRMS 0162	0.18	0.20	0.17	0.22	0.21	0.23	0.19	0.14	0.11	0.14	0.15	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.01	-0.03	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	-0.01	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0163	-0.01	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 156 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.08	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.17	0.11	0.11	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.15	0.12	0.10	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.11	0.13	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.12	0.09	0.09	0.09	0.11	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.13	0.11	0.09	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.12	0.10	0.09	0.09	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.15	0.11	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.16	0.13	0.10	0.09	0.10	0.09	0.09	0.11
CRMS 3985	0.15	0.15	0.15	0.13	0.11	0.11	0.13	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.16	0.15	0.14	0.12	0.09	0.08	0.09	0.08	0.12	0.14
CRMS 0224	0.16	0.15	0.15	0.13	0.12	0.10	0.09	0.10	0.09	0.09	0.11	0.14
CRMS 0163	0.18	0.22	0.23	0.24	0.25	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.14	0.18

V3PR9 HYST - cy 3 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.10	0.08	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.19	0.20	0.17	0.11	0.11	0.12	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.18	0.20	0.22	0.18	0.14	0.13	0.14	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.11	0.09	0.09	0.11	0.12	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.15	0.13	0.10	0.09	0.09	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.10	0.08	0.09	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.10	0.08	0.08	0.10	0.12	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.15	0.15	0.12	0.09	0.09	0.10	0.09	0.09	0.11
CRMS 3985	0.14	0.13	0.14	0.12	0.10	0.11	0.13	0.14	0.12	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.16	0.14	0.14	0.12	0.08	0.08	0.09	0.08	0.12	0.14
CRMS 0224	0.16	0.15	0.15	0.13	0.11	0.09	0.08	0.10	0.09	0.09	0.11	0.13
CRMS 0163	0.17	0.21	0.23	0.23	0.25	0.20	0.16	0.15	0.16	0.15	0.16	0.18
CRMS 0162	0.18	0.21	0.23	0.22	0.24	0.20	0.19	0.16	0.12	0.11	0.13	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.03	-0.02	-0.02	-0.01	-0.02	-0.02	-0.01	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 157 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.09	0.07	0.06	0.07	0.07	0.07	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.12	0.09	0.10	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.13	0.14	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.15	0.09	0.08	0.07	0.08	0.09	0.08	0.08	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.08	0.08	0.09	0.09	0.10	0.09	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.10	0.08	0.07	0.08	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.10	0.10	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.09	0.10	0.12	0.13	0.12	0.12	0.13	0.14
CRMS 0258	0.18	0.14	0.13	0.11	0.11	0.09	0.08	0.08	0.08	0.08	0.13	0.14
CRMS 0224	0.16	0.14	0.13	0.10	0.09	0.08	0.08	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.15	0.18	0.17	0.18	0.19	0.16	0.13	0.14	0.13	0.16	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.16	0.16	0.15	0.14	0.11	0.10	0.13	0.16	0.17

V3PR9 HYST - cy 3 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.15	0.09	0.07	0.06	0.06	0.07	0.07	0.08	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.13	0.13	0.14	0.12	0.09	0.09	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.13	0.13	0.15	0.15	0.14	0.11	0.11	0.12	0.13	0.14	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.16	0.10	0.08	0.07	0.08	0.09	0.08	0.09	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.11	0.11	0.10	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.07	0.09	0.09	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.13	0.10	0.08	0.08	0.09	0.09	0.10	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.10	0.08	0.07	0.08	0.09	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.08	0.08	0.10	0.11	0.10	0.10	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.10	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.10	0.10	0.13	0.13	0.13	0.12	0.13	0.14
CRMS 0258	0.18	0.14	0.14	0.11	0.10	0.08	0.07	0.08	0.10	0.11	0.12	0.14
CRMS 0224	0.16	0.14	0.14	0.10	0.09	0.08	0.08	0.09	0.09	0.10	0.12	0.14
CRMS 0163	0.15	0.17	0.17	0.18	0.18	0.16	0.13	0.13	0.13	0.15	0.17	0.17
CRMS 0162	0.14	0.17	0.15	0.15	0.16	0.15	0.14	0.12	0.09	0.13	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	-0.01	-0.01	-0.02	-0.01	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.01	0.02	-0.01	0.00
CRMS 0224	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 158 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.11	0.07	0.06	0.07	0.08	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.18	0.18	0.18	0.18	0.18	0.13	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.18	0.17	0.17	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.11	0.09	0.08	0.08	0.09	0.08	0.08	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.09	0.11	0.12	0.10	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.09	0.08	0.09	0.11	0.10	0.09	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.13	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.12	0.09	0.08	0.09	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.16	0.11	0.08	0.08	0.09	0.11	0.10	0.10	0.11	0.14
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.14	0.13	0.13	0.11	0.11	0.11	0.09	0.10	0.11
CRMS 3985	0.16	0.17	0.18	0.14	0.11	0.11	0.13	0.14	0.12	0.12	0.11	0.14
CRMS 0258	0.19	0.17	0.17	0.14	0.12	0.12	0.10	0.10	0.10	0.08	0.13	0.16
CRMS 0224	0.17	0.17	0.16	0.13	0.10	0.09	0.09	0.09	0.10	0.09	0.12	0.15
CRMS 0163	0.20	0.23	0.22	0.23	0.22	0.22	0.20	0.19	0.18	0.16	0.16	0.16
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.15

V3PR9 HYST - cy 3 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.19	0.17	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.18	0.17	0.17	0.12	0.12	0.14	0.11	0.11	0.12
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.19	0.19	0.18	0.19	0.16	0.15	0.15	0.14	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.19	0.17	0.11	0.08	0.08	0.08	0.08	0.08	0.08	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.16	0.12	0.09	0.10	0.11	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.12	0.09	0.08	0.10	0.10	0.09	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.16	0.12	0.09	0.09	0.10	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.18	0.16	0.11	0.09	0.09	0.11	0.11	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.14	0.12	0.12	0.11	0.11	0.10	0.09	0.09	0.10
CRMS 3985	0.14	0.16	0.17	0.14	0.11	0.11	0.13	0.13	0.12	0.12	0.13	0.12
CRMS 0258	0.19	0.17	0.17	0.13	0.12	0.12	0.10	0.10	0.10	0.08	0.12	0.14
CRMS 0224	0.17	0.17	0.16	0.12	0.10	0.09	0.09	0.09	0.09	0.08	0.11	0.14
CRMS 0163	0.19	0.23	0.21	0.22	0.22	0.22	0.19	0.18	0.18	0.16	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.20	0.20	0.22	0.22	0.20	0.16	0.14	0.13	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
HWQ14 - Lake Washington	-0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	-0.02
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02
CRMS 0224	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0163	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 159 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.10	0.07	0.07	0.07	0.08	0.07	0.07	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.14	0.18	0.19	0.21	0.15	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.25	0.20	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.19	0.17	0.11	0.09	0.09	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.10	0.10	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.12	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.09	0.11	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.14	0.15	0.13	0.11	0.11	0.09	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.09	0.10	0.12	0.14	0.13	0.12	0.13	0.14
CRMS 0258	0.17	0.16	0.15	0.13	0.14	0.13	0.10	0.10	0.09	0.08	0.13	0.14
CRMS 0224	0.16	0.15	0.15	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.14
CRMS 0163	0.17	0.16	0.21	0.22	0.24	0.25	0.21	0.18	0.18	0.16	0.16	0.20
CRMS 0162	0.16	0.14	0.20	0.21	0.23	0.25	0.23	0.20	0.15	0.13	0.13	0.20

V3PR9 HYST - cy 3 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.15	0.10	0.07	0.07	0.07	0.08	0.07	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.14	0.17	0.19	0.21	0.15	0.12	0.13	0.11	0.11	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.13	0.15	0.18	0.20	0.23	0.18	0.15	0.16	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.19	0.15	0.11	0.09	0.09	0.08	0.09	0.08	0.08	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.10	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.14	0.11	0.08	0.08	0.09	0.10	0.10	0.09	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.12	0.10	0.09	0.10	0.10	0.10	0.09	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.14	0.11	0.09	0.09	0.10	0.10	0.10	0.09	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.09	0.07	0.08	0.09	0.11	0.10	0.10	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.12	0.13	0.14	0.15	0.13	0.11	0.11	0.09	0.09	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.09	0.10	0.12	0.14	0.13	0.12	0.14	0.14
CRMS 0258	0.18	0.16	0.12	0.13	0.13	0.13	0.10	0.10	0.09	0.08	0.12	0.14
CRMS 0224	0.16	0.15	0.13	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.11	0.14
CRMS 0163	0.16	0.16	0.20	0.22	0.24	0.25	0.20	0.18	0.18	0.16	0.15	0.20
CRMS 0162	0.16	0.14	0.19	0.21	0.24	0.25	0.23	0.20	0.15	0.13	0.13	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.03	-0.02	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 160 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.12	0.10	0.08	0.08	0.08	0.08	0.08	0.12	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.17	0.21	0.23	0.20	0.16	0.14	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.16	0.14	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.16	0.14	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.17	0.15	0.13	0.11	0.12	0.11	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.18	0.14	0.14	0.16	0.18	0.15	0.11	0.11	0.14	0.12	0.13	0.17
CRMS 0224	0.17	0.14	0.14	0.15	0.16	0.13	0.11	0.12	0.13	0.12	0.13	0.16
CRMS 0163	0.18	0.19	0.23	0.26	0.26	0.24	0.23	0.19	0.19	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.17	0.12	0.14

V3PR2 HYST - cy 4 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.25	0.27	0.27	0.25	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.20	0.23	0.19	0.16	0.14	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.23	0.21	0.18	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.21	0.23	0.25	0.23	0.22	0.15	0.11	0.14	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.16	0.17	0.19	0.15	0.15	0.12	0.11	0.11	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.14	0.17	0.18	0.20	0.17	0.17	0.14	0.12	0.13	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.13	0.15	0.17	0.19	0.16	0.16	0.13	0.12	0.12	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.15	0.15	0.13	0.13	0.12	0.11	0.12	0.13	0.16
HWQ14 - Lake Washington	0.16	0.14	0.14	0.14	0.13	0.12	0.12	0.11	0.10	0.11	0.13	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.17	0.15	0.13	0.12	0.12	0.11	0.11	0.12
CRMS 3985	0.15	0.13	0.14	0.14	0.15	0.12	0.12	0.11	0.11	0.11	0.14	0.16
CRMS 0258	0.16	0.14	0.16	0.18	0.20	0.19	0.19	0.15	0.14	0.13	0.14	0.17
CRMS 0224	0.16	0.14	0.16	0.18	0.21	0.19	0.19	0.14	0.13	0.13	0.14	0.17
CRMS 0163	0.18	0.19	0.23	0.25	0.26	0.24	0.23	0.20	0.19	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.17	0.12	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.05	0.12	0.16	0.17	0.17	0.17	0.13	0.12	0.11	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.01	0.07	0.11	0.12	0.13	0.13	0.05	0.01	0.04	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.02	0.06	0.10	0.07	0.06	0.01	0.01	0.02	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.03	0.05	0.08	0.07	0.06	0.02	0.00	0.02	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.03	0.05	0.04	0.04	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.00	0.02	0.03	0.02	0.02	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.03	0.05	0.03	0.02	0.01	0.00	0.02	0.02	0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.00	0.03	0.06	0.03	0.01	-0.01	0.00	0.00	0.01	0.01
CRMS 0258	-0.02	0.00	0.01	0.02	0.02	0.04	0.08	0.03	0.00	0.01	0.01	0.00
CRMS 0224	-0.01	0.00	0.02	0.03	0.05	0.06	0.08	0.03	0.00	0.02	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 161 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.12	0.10	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.19	0.21	0.22	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.15	0.14	0.12	0.10	0.09	0.09	0.09	0.09	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.11	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.16	0.16	0.13	0.10	0.10	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.13	0.09	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.15	0.16	0.17	0.17	0.14	0.10	0.10	0.11	0.10	0.14	0.14
CRMS 0224	0.15	0.15	0.15	0.16	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.14
CRMS 0163	0.18	0.22	0.24	0.25	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

V3PR2 HYST - cy 4 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.19	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.20	0.22	0.23	0.25	0.20	0.17	0.15	0.16	0.14	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.20	0.22	0.23	0.24	0.15	0.12	0.11	0.09	0.10	0.15	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.18	0.18	0.18	0.11	0.10	0.11	0.10	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.17	0.19	0.19	0.19	0.13	0.10	0.11	0.11	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.17	0.17	0.18	0.13	0.11	0.11	0.11	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.16	0.15	0.15	0.12	0.10	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.15	0.15	0.16	0.14	0.13	0.10	0.09	0.10	0.10	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.16	0.16	0.14	0.10	0.10	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.15	0.16	0.15	0.14	0.11	0.10	0.12	0.11	0.10	0.13	0.14
CRMS 0258	0.15	0.16	0.18	0.18	0.19	0.14	0.10	0.10	0.11	0.11	0.14	0.15
CRMS 0224	0.15	0.16	0.18	0.19	0.20	0.14	0.11	0.11	0.11	0.11	0.14	0.15
CRMS 0163	0.18	0.22	0.24	0.24	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.14	0.17	0.13	0.12	0.10	0.09	0.08	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.04	0.07	0.09	0.12	0.05	0.04	0.02	0.00	0.02	0.03	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	0.02	0.06	0.09	0.03	0.00	0.00	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.04	0.05	0.08	0.03	0.00	0.00	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.02	0.03	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.04	0.02	0.00	0.00	0.00	0.00	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.01	0.00	0.02	0.05	0.02	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.01	0.02	0.01	0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	0.01	0.03	0.03	0.05	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 162 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.13	0.14	0.15	0.13	0.10	0.10	0.12	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.13	0.13	0.13	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.11	0.10	0.08	0.08	0.09	0.09	0.09	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.13	0.10	0.07	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.09	0.09	0.10	0.11	0.11	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.11	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.11	0.09	0.09	0.09	0.10	0.11	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.10	0.08	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.13	0.13	0.12	0.13	0.10	0.09	0.10	0.11	0.11	0.13	0.13
CRMS 0224	0.15	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.11	0.11	0.13	0.13
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.17	0.14	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.14	0.15	0.16	0.15	0.14	0.12	0.10	0.12	0.15	0.17

V3PR2 HYST - cy 4 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.20	0.20	0.19	0.21	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.12	0.10	0.10	0.11	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.17	0.16	0.13	0.13	0.13	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.15	0.14	0.16	0.10	0.11	0.11	0.09	0.10	0.14	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.12	0.12	0.08	0.09	0.10	0.10	0.09	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.12	0.13	0.09	0.10	0.11	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.12	0.12	0.10	0.09	0.10	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.10	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.14	0.13	0.10	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.08	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.13	0.11	0.10	0.09	0.10	0.12	0.11	0.10	0.11	0.11
CRMS 0258	0.16	0.13	0.13	0.13	0.13	0.11	0.09	0.10	0.10	0.11	0.13	0.14
CRMS 0224	0.15	0.14	0.13	0.12	0.13	0.10	0.10	0.11	0.11	0.11	0.13	0.14
CRMS 0163	0.16	0.18	0.18	0.18	0.19	0.17	0.15	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.14	0.16	0.16	0.15	0.14	0.12	0.10	0.12	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.06	0.10	0.13	0.11	0.10	0.09	0.08	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.00	0.02	0.04	0.06	0.02	0.03	0.02	0.00	0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.02	0.04	0.01	0.00	0.01	0.01	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.01	0.00	0.01	0.02	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.02
CRMS 0258	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 163 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.12	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.19	0.19	0.18	0.18	0.13	0.13	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.13	0.11	0.10	0.08	0.09	0.09	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.08	0.10	0.10	0.09	0.09	0.12	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.14	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.13	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.15	0.13	0.13	0.11	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.13	0.10	0.09	0.12	0.12	0.11	0.10	0.13	0.15
CRMS 0258	0.18	0.17	0.17	0.16	0.15	0.14	0.10	0.11	0.13	0.11	0.13	0.16
CRMS 0224	0.17	0.16	0.16	0.15	0.13	0.12	0.10	0.11	0.12	0.11	0.13	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

V3PR2 HYST - cy 4 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.18	0.17	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.18	0.19	0.18	0.18	0.14	0.14	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.22	0.21	0.22	0.21	0.22	0.18	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.22	0.20	0.21	0.21	0.21	0.20	0.15	0.10	0.10	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.17	0.16	0.14	0.13	0.12	0.10	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.19	0.17	0.16	0.16	0.15	0.14	0.11	0.11	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.15	0.15	0.14	0.13	0.12	0.11	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.15	0.13	0.12	0.11	0.12	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.16	0.17	0.14	0.12	0.11	0.11	0.11	0.09	0.10	0.13	0.16
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.16	0.16	0.17	0.15	0.13	0.11	0.11	0.11	0.10	0.11	0.13	0.15
CRMS 0258	0.18	0.18	0.18	0.17	0.16	0.17	0.16	0.14	0.13	0.11	0.14	0.16
CRMS 0224	0.18	0.18	0.18	0.17	0.17	0.17	0.16	0.15	0.12	0.11	0.14	0.16
CRMS 0163	0.20	0.24	0.22	0.23	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.12	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.08	0.08	0.13	0.16	0.17	0.16	0.13	0.10	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	0.00	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.04	0.04	0.09	0.10	0.12	0.11	0.06	0.00	0.02	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.04	0.07	0.05	0.03	0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.02	0.02	0.04	0.06	0.06	0.04	0.03	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.02	0.02	0.04	0.04	0.03	0.02	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.02	0.03	0.03	0.01	0.01	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.01	0.03	0.02	-0.01	-0.01	0.00	0.00	0.01	0.00
CRMS 0258	0.00	0.01	0.01	0.01	0.02	0.03	0.06	0.03	0.00	0.00	0.01	0.00
CRMS 0224	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.03	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 164 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.15	0.19	0.20	0.22	0.16	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.26	0.21	0.18	0.17	0.15	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.16	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.11	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.11	0.10	0.11	0.12	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.15	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.14
CRMS 0258	0.16	0.14	0.15	0.15	0.16	0.15	0.11	0.11	0.13	0.10	0.13	0.14
CRMS 0224	0.15	0.14	0.15	0.14	0.14	0.13	0.11	0.12	0.12	0.11	0.13	0.14
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.22	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.13	0.13	0.21

V3PR2 HYST - cy 4 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.25	0.27	0.26	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.21	0.16	0.14	0.14	0.12	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.19	0.22	0.24	0.25	0.20	0.18	0.17	0.15	0.14	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.19	0.21	0.23	0.24	0.21	0.12	0.10	0.10	0.16	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.15	0.16	0.16	0.16	0.14	0.11	0.10	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.16	0.17	0.18	0.18	0.16	0.13	0.11	0.11	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.12	0.11	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.14	0.13	0.13	0.13	0.12	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.14	0.13	0.12	0.12	0.12	0.11	0.10	0.09	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.13
CRMS 3985	0.14	0.14	0.13	0.13	0.13	0.12	0.11	0.11	0.11	0.10	0.13	0.14
CRMS 0258	0.14	0.14	0.15	0.16	0.18	0.20	0.17	0.13	0.13	0.11	0.14	0.15
CRMS 0224	0.14	0.14	0.15	0.17	0.18	0.21	0.18	0.13	0.12	0.11	0.14	0.16
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.21	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.12	0.13	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.00	0.10	0.14	0.18	0.18	0.16	0.12	0.10	0.09	0.05	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	0.04	0.09	0.11	0.14	0.12	0.03	0.00	0.02	0.03	0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.01	0.06	0.09	0.08	0.05	0.01	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.01	0.04	0.07	0.08	0.05	0.01	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.00	0.02	0.04	0.05	0.03	0.01	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.00
HWQ14 - Lake Washington	-0.01	-0.01	-0.01	0.02	0.04	0.04	0.02	0.01	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.02	0.04	0.04	0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.00	0.00	0.01	0.02	0.05	0.06	0.02	0.00	0.00	0.01	0.01
CRMS 0224	-0.01	0.00	0.00	0.03	0.04	0.08	0.07	0.01	0.00	0.00	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 165 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.12	0.10	0.08	0.08	0.08	0.08	0.08	0.12	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.17	0.21	0.23	0.20	0.16	0.14	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.16	0.14	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.16	0.14	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.17	0.15	0.13	0.11	0.12	0.11	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.18	0.14	0.14	0.16	0.18	0.15	0.11	0.11	0.14	0.12	0.13	0.17
CRMS 0224	0.17	0.14	0.14	0.15	0.16	0.13	0.11	0.12	0.13	0.12	0.13	0.16
CRMS 0163	0.18	0.19	0.23	0.26	0.26	0.24	0.23	0.19	0.19	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.17	0.12	0.14

V3PR3 HYST - cy 4 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.27	0.27	0.25	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.20	0.23	0.19	0.16	0.14	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.23	0.21	0.18	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.22	0.24	0.25	0.23	0.23	0.15	0.11	0.14	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.16	0.18	0.19	0.16	0.15	0.12	0.11	0.11	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.14	0.17	0.18	0.20	0.17	0.17	0.13	0.12	0.13	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.15	0.17	0.19	0.16	0.15	0.13	0.12	0.12	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.14	0.14	0.15	0.15	0.13	0.13	0.12	0.11	0.12	0.13	0.16
HWQ14 - Lake Washington	0.16	0.14	0.14	0.13	0.14	0.12	0.12	0.11	0.10	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.17	0.15	0.13	0.12	0.12	0.11	0.11	0.12
CRMS 3985	0.15	0.13	0.14	0.14	0.15	0.13	0.12	0.11	0.11	0.11	0.14	0.16
CRMS 0258	0.16	0.14	0.16	0.18	0.20	0.19	0.19	0.15	0.14	0.13	0.14	0.17
CRMS 0224	0.16	0.14	0.16	0.18	0.21	0.19	0.19	0.14	0.13	0.13	0.14	0.17
CRMS 0163	0.18	0.19	0.23	0.25	0.26	0.24	0.23	0.20	0.20	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.16	0.12	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.05	0.12	0.16	0.17	0.17	0.17	0.13	0.12	0.11	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.02	0.08	0.11	0.12	0.13	0.14	0.06	0.01	0.04	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.02	0.07	0.10	0.08	0.06	0.02	0.01	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.03	0.05	0.08	0.06	0.06	0.02	0.00	0.02	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.03	0.05	0.04	0.03	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.00	0.02	0.03	0.02	0.02	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.03	0.05	0.03	0.03	0.01	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.00	0.03	0.06	0.03	0.02	0.00	0.00	0.00	0.01	0.01
CRMS 0258	-0.02	0.00	0.01	0.02	0.02	0.04	0.07	0.03	0.00	0.01	0.01	0.00
CRMS 0224	-0.01	0.00	0.02	0.03	0.05	0.06	0.08	0.03	0.00	0.02	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 166 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.12	0.10	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.19	0.21	0.22	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.15	0.14	0.12	0.10	0.09	0.09	0.09	0.09	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.11	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.16	0.16	0.13	0.10	0.10	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.13	0.09	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.15	0.16	0.17	0.17	0.14	0.10	0.10	0.11	0.10	0.14	0.14
CRMS 0224	0.15	0.15	0.15	0.16	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.14
CRMS 0163	0.18	0.22	0.24	0.25	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

V3PR3 HYST - cy 4 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.20	0.18	0.17	0.17	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.18	0.12	0.12	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.20	0.22	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.21	0.23	0.23	0.25	0.15	0.12	0.11	0.10	0.11	0.15	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.18	0.18	0.19	0.11	0.10	0.11	0.10	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.19	0.18	0.19	0.13	0.10	0.11	0.11	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.17	0.17	0.18	0.13	0.11	0.11	0.11	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.16	0.15	0.15	0.12	0.10	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.15	0.15	0.16	0.14	0.13	0.10	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.16	0.16	0.14	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.15	0.16	0.15	0.14	0.11	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.15	0.16	0.18	0.18	0.19	0.14	0.10	0.10	0.12	0.11	0.14	0.15
CRMS 0224	0.15	0.16	0.18	0.19	0.20	0.14	0.11	0.11	0.12	0.11	0.14	0.15
CRMS 0163	0.18	0.22	0.24	0.24	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.08	0.11	0.14	0.17	0.13	0.12	0.10	0.09	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.05	0.08	0.10	0.13	0.05	0.04	0.02	0.00	0.02	0.02	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	0.03	0.06	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.03	0.05	0.08	0.02	0.00	0.00	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.02	0.03	0.05	0.02	0.00	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.04	0.02	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.01	0.00	0.02	0.05	0.02	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0258	-0.01	0.01	0.02	0.01	0.02	0.00	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 0224	-0.01	0.01	0.03	0.03	0.05	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 167 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.13	0.14	0.15	0.13	0.10	0.10	0.12	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.13	0.13	0.13	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.11	0.10	0.08	0.08	0.09	0.09	0.09	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.13	0.10	0.07	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.09	0.09	0.10	0.11	0.11	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.11	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.11	0.09	0.09	0.09	0.10	0.11	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.10	0.08	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.13	0.13	0.12	0.13	0.10	0.09	0.10	0.11	0.11	0.13	0.13
CRMS 0224	0.15	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.11	0.11	0.13	0.13
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.17	0.14	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.14	0.15	0.16	0.15	0.14	0.12	0.10	0.12	0.15	0.17

V3PR3 HYST - cy 4 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.21	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.13	0.10	0.10	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.17	0.16	0.13	0.13	0.13	0.15	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.16	0.14	0.16	0.10	0.11	0.11	0.09	0.10	0.14	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.14	0.12	0.12	0.08	0.09	0.10	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.12	0.13	0.09	0.10	0.11	0.11	0.10	0.13	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.12	0.12	0.10	0.09	0.10	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.14	0.13	0.10	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.13	0.11	0.10	0.09	0.10	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.13	0.13	0.13	0.14	0.11	0.09	0.10	0.10	0.11	0.14	0.14
CRMS 0224	0.16	0.14	0.13	0.12	0.13	0.10	0.10	0.11	0.11	0.11	0.13	0.14
CRMS 0163	0.16	0.18	0.18	0.18	0.19	0.17	0.14	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.15	0.16	0.17	0.15	0.14	0.12	0.10	0.12	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.06	0.10	0.13	0.12	0.10	0.09	0.08	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.00	0.02	0.04	0.07	0.02	0.03	0.01	0.00	0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.02	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.01	0.02	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 0224	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	-0.01	0.00	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 168 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.12	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.19	0.19	0.18	0.18	0.13	0.13	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.13	0.11	0.10	0.08	0.09	0.09	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.08	0.10	0.10	0.09	0.09	0.12	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.14	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.13	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.15	0.13	0.13	0.11	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.13	0.10	0.09	0.12	0.12	0.11	0.10	0.13	0.15
CRMS 0258	0.18	0.17	0.17	0.16	0.15	0.14	0.10	0.11	0.13	0.11	0.13	0.16
CRMS 0224	0.17	0.16	0.16	0.15	0.13	0.12	0.10	0.11	0.12	0.11	0.13	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

V3PR3 HYST - cy 4 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.18	0.19	0.18	0.18	0.14	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.22	0.21	0.22	0.21	0.22	0.18	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.23	0.21	0.22	0.22	0.22	0.20	0.15	0.10	0.11	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.18	0.17	0.16	0.14	0.13	0.12	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.19	0.17	0.16	0.15	0.15	0.14	0.11	0.11	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.15	0.15	0.13	0.13	0.12	0.11	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.15	0.13	0.12	0.11	0.12	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.16	0.17	0.14	0.12	0.11	0.11	0.11	0.09	0.10	0.13	0.16
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.16	0.16	0.17	0.15	0.13	0.11	0.11	0.11	0.10	0.10	0.13	0.15
CRMS 0258	0.18	0.18	0.18	0.17	0.16	0.17	0.16	0.14	0.13	0.11	0.14	0.16
CRMS 0224	0.18	0.18	0.19	0.17	0.17	0.17	0.16	0.14	0.13	0.11	0.14	0.16
CRMS 0163	0.20	0.24	0.22	0.23	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.08	0.08	0.13	0.16	0.17	0.16	0.13	0.11	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	0.00	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.05	0.05	0.09	0.11	0.12	0.12	0.06	0.01	0.02	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.01	0.05	0.07	0.06	0.04	0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.02	0.02	0.04	0.06	0.06	0.04	0.02	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.02	0.02	0.04	0.04	0.03	0.02	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.01	0.01	0.02	0.02	0.01	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.02	0.03	0.03	0.01	0.01	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.01	0.03	0.02	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.01	0.01	0.01	0.02	0.03	0.06	0.03	0.00	0.01	0.01	0.00
CRMS 0224	0.01	0.02	0.02	0.03	0.04	0.05	0.06	0.03	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 169 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.15	0.19	0.20	0.22	0.16	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.26	0.21	0.18	0.17	0.15	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.16	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.11	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.11	0.10	0.11	0.12	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.15	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.14
CRMS 0258	0.16	0.14	0.15	0.15	0.16	0.15	0.11	0.11	0.13	0.10	0.13	0.14
CRMS 0224	0.15	0.14	0.15	0.14	0.14	0.13	0.11	0.12	0.12	0.11	0.13	0.14
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.22	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.13	0.13	0.21

V3PR3 HYST - cy 4 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.25	0.27	0.26	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.21	0.16	0.14	0.15	0.12	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.18	0.21	0.24	0.25	0.20	0.18	0.17	0.15	0.14	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.20	0.22	0.23	0.25	0.21	0.12	0.10	0.10	0.16	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.15	0.16	0.17	0.17	0.14	0.11	0.10	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.16	0.16	0.17	0.18	0.16	0.12	0.11	0.11	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.15	0.15	0.16	0.17	0.15	0.13	0.12	0.11	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.13	0.13	0.13	0.13	0.12	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.14	0.13	0.12	0.12	0.12	0.11	0.10	0.09	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.13
CRMS 3985	0.14	0.14	0.13	0.13	0.13	0.13	0.12	0.11	0.11	0.11	0.13	0.14
CRMS 0258	0.15	0.14	0.15	0.16	0.18	0.20	0.17	0.13	0.13	0.11	0.14	0.15
CRMS 0224	0.14	0.14	0.15	0.17	0.18	0.21	0.17	0.13	0.12	0.11	0.14	0.16
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.21	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.12	0.13	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.00	0.10	0.14	0.18	0.18	0.16	0.12	0.10	0.09	0.05	0.09
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.01	0.04	0.10	0.12	0.14	0.13	0.03	0.01	0.02	0.03	0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.01	0.06	0.09	0.09	0.05	0.01	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.01	0.04	0.07	0.08	0.05	0.01	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.02	0.04	0.05	0.03	0.01	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.00
HWQ14 - Lake Washington	-0.01	-0.01	-0.01	0.02	0.04	0.04	0.03	0.01	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.02	0.05	0.04	0.02	-0.01	0.00	0.00	0.01	0.00
CRMS 0258	-0.01	0.00	0.00	0.01	0.02	0.05	0.06	0.01	0.00	0.01	0.01	0.01
CRMS 0224	-0.01	0.00	0.00	0.03	0.04	0.08	0.07	0.01	0.00	0.01	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 170 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.12	0.10	0.08	0.08	0.08	0.08	0.08	0.12	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.17	0.21	0.23	0.20	0.16	0.14	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.16	0.14	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.16	0.14	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.17	0.15	0.13	0.11	0.12	0.11	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.18	0.14	0.14	0.16	0.18	0.15	0.11	0.11	0.14	0.12	0.13	0.17
CRMS 0224	0.17	0.14	0.14	0.15	0.16	0.13	0.11	0.12	0.13	0.12	0.13	0.16
CRMS 0163	0.18	0.19	0.23	0.26	0.26	0.24	0.23	0.19	0.19	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.17	0.12	0.14

V3PR4 HYST - cy 4 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.27	0.27	0.26	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.16	0.20	0.22	0.19	0.17	0.15	0.16	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.23	0.21	0.18	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.22	0.24	0.25	0.24	0.23	0.16	0.12	0.14	0.17	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.17	0.19	0.20	0.17	0.16	0.12	0.11	0.11	0.14	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.19	0.20	0.22	0.19	0.19	0.14	0.12	0.13	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.17	0.19	0.20	0.18	0.17	0.14	0.12	0.13	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.15	0.16	0.17	0.14	0.14	0.13	0.11	0.12	0.13	0.16
HWQ14 - Lake Washington	0.16	0.14	0.14	0.14	0.15	0.13	0.13	0.11	0.10	0.11	0.13	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.18	0.16	0.14	0.12	0.12	0.11	0.11	0.12
CRMS 3985	0.15	0.13	0.14	0.15	0.16	0.13	0.12	0.11	0.10	0.11	0.14	0.16
CRMS 0258	0.15	0.14	0.16	0.19	0.21	0.20	0.20	0.15	0.14	0.13	0.14	0.17
CRMS 0224	0.16	0.14	0.17	0.20	0.22	0.20	0.20	0.15	0.13	0.13	0.14	0.17
CRMS 0163	0.18	0.19	0.23	0.26	0.26	0.24	0.23	0.20	0.20	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.17	0.12	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.05	0.12	0.16	0.17	0.18	0.17	0.13	0.12	0.11	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.02	0.08	0.12	0.13	0.13	0.14	0.07	0.02	0.05	0.04	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.03	0.08	0.12	0.09	0.07	0.01	0.01	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.05	0.08	0.10	0.09	0.08	0.02	0.00	0.02	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.03	0.05	0.07	0.06	0.05	0.02	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.01	0.03	0.05	0.03	0.03	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.04	0.06	0.04	0.04	0.01	0.00	0.02	0.02	0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.00	0.03	0.07	0.04	0.02	-0.01	-0.01	0.00	0.01	0.01
CRMS 0258	-0.02	0.00	0.02	0.02	0.03	0.05	0.09	0.04	0.00	0.01	0.01	0.00
CRMS 0224	-0.02	0.00	0.04	0.05	0.06	0.07	0.09	0.03	0.00	0.02	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 171 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.12	0.10	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.19	0.21	0.22	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.15	0.14	0.12	0.10	0.09	0.09	0.09	0.09	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.11	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.16	0.16	0.13	0.10	0.10	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.13	0.09	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.15	0.16	0.17	0.17	0.14	0.10	0.10	0.11	0.10	0.14	0.14
CRMS 0224	0.15	0.15	0.15	0.16	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.14
CRMS 0163	0.18	0.22	0.24	0.25	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

V3PR4 HYST - cy 4 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.19	0.18	0.17	0.16	0.18	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.18	0.12	0.12	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.22	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.21	0.23	0.24	0.25	0.17	0.14	0.13	0.10	0.11	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.19	0.19	0.20	0.12	0.10	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.20	0.20	0.21	0.14	0.10	0.11	0.11	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.16	0.19	0.19	0.20	0.14	0.11	0.11	0.11	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.17	0.16	0.16	0.13	0.10	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.16	0.15	0.14	0.11	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.09	0.10	0.09	0.10	0.12
CRMS 3985	0.14	0.15	0.16	0.16	0.16	0.11	0.10	0.12	0.11	0.10	0.12	0.13
CRMS 0258	0.15	0.16	0.18	0.19	0.20	0.14	0.10	0.10	0.11	0.10	0.14	0.15
CRMS 0224	0.15	0.17	0.19	0.20	0.21	0.14	0.10	0.11	0.11	0.10	0.14	0.15
CRMS 0163	0.18	0.22	0.24	0.24	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.09	0.11	0.14	0.18	0.13	0.12	0.10	0.09	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.05	0.08	0.10	0.13	0.06	0.06	0.04	0.01	0.03	0.03	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.04	0.07	0.11	0.03	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.03	0.05	0.07	0.10	0.03	0.00	-0.01	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.02	0.04	0.04	0.07	0.03	0.00	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.02	0.03	0.05	0.02	0.00	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.04	0.05	0.02	0.00	0.00	0.00	0.00	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.01	0.00	0.03	0.06	0.02	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.01	0.01	0.02	0.02	0.03	0.00	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 0224	-0.01	0.02	0.04	0.04	0.06	0.01	0.00	-0.01	0.00	0.00	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 172 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.13	0.14	0.15	0.13	0.10	0.10	0.12	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.13	0.13	0.13	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.11	0.10	0.08	0.08	0.09	0.09	0.09	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.13	0.10	0.07	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.09	0.09	0.10	0.11	0.11	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.11	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.11	0.09	0.09	0.09	0.10	0.11	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.10	0.08	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.13	0.13	0.12	0.13	0.10	0.09	0.10	0.11	0.11	0.13	0.13
CRMS 0224	0.15	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.11	0.11	0.13	0.13
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.17	0.14	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.14	0.15	0.16	0.15	0.14	0.12	0.10	0.12	0.15	0.17

V3PR4 HYST - cy 4 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.21	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.13	0.10	0.10	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.14	0.13	0.14	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.16	0.14	0.16	0.11	0.13	0.12	0.10	0.11	0.14	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.14	0.12	0.12	0.08	0.09	0.10	0.10	0.09	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.12	0.13	0.09	0.10	0.10	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.12	0.12	0.10	0.09	0.10	0.10	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.10	0.10	0.12	0.13
HWQ14 - Lake Washington	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.08	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.13	0.14	0.11	0.10	0.09	0.10	0.11	0.11	0.10	0.11	0.12
CRMS 0258	0.16	0.13	0.13	0.13	0.14	0.10	0.09	0.10	0.10	0.10	0.13	0.14
CRMS 0224	0.15	0.14	0.13	0.12	0.14	0.10	0.09	0.10	0.10	0.10	0.13	0.14
CRMS 0163	0.16	0.18	0.18	0.19	0.19	0.17	0.15	0.14	0.14	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.15	0.16	0.17	0.15	0.14	0.12	0.10	0.12	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.05	0.06	0.10	0.14	0.12	0.10	0.09	0.08	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.00	0.02	0.04	0.07	0.03	0.05	0.03	0.00	0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.02	0.04	0.01	0.00	0.01	0.01	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.01	0.04	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.01	0.01	0.01	0.02	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.02
CRMS 0258	0.00	0.01	0.00	0.00	0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.01	0.00	0.01	0.02	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 173 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.12	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.19	0.19	0.18	0.18	0.13	0.13	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.13	0.11	0.10	0.08	0.09	0.09	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.08	0.10	0.10	0.09	0.09	0.12	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.14	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.13	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.15	0.13	0.13	0.11	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.13	0.10	0.09	0.12	0.12	0.11	0.10	0.13	0.15
CRMS 0258	0.18	0.17	0.17	0.16	0.15	0.14	0.10	0.11	0.13	0.11	0.13	0.16
CRMS 0224	0.17	0.16	0.16	0.15	0.13	0.12	0.10	0.11	0.12	0.11	0.13	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

V3PR4 HYST - cy 4 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.18	0.19	0.18	0.18	0.14	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.22	0.21	0.22	0.21	0.22	0.18	0.18	0.18	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.23	0.21	0.22	0.22	0.22	0.20	0.16	0.10	0.11	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.19	0.19	0.18	0.17	0.15	0.14	0.12	0.10	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.20	0.20	0.19	0.18	0.18	0.17	0.14	0.11	0.11	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.18	0.18	0.18	0.16	0.16	0.15	0.14	0.12	0.11	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.18	0.16	0.14	0.13	0.12	0.12	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.17	0.17	0.15	0.13	0.12	0.11	0.11	0.09	0.10	0.13	0.16
HWQ16 - Bayou Grand Liard	0.13	0.15	0.16	0.15	0.14	0.14	0.12	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.16	0.16	0.17	0.15	0.13	0.12	0.11	0.11	0.10	0.11	0.13	0.15
CRMS 0258	0.18	0.18	0.19	0.18	0.17	0.18	0.17	0.15	0.13	0.11	0.14	0.16
CRMS 0224	0.18	0.19	0.19	0.18	0.18	0.18	0.17	0.15	0.12	0.11	0.14	0.16
CRMS 0163	0.20	0.24	0.23	0.23	0.23	0.22	0.20	0.19	0.19	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.21	0.16	0.14	0.13	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.08	0.08	0.13	0.16	0.17	0.16	0.13	0.11	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	-0.01	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.05	0.05	0.09	0.11	0.12	0.12	0.07	0.01	0.03	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.02	0.05	0.08	0.07	0.04	0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.03	0.03	0.06	0.07	0.08	0.06	0.03	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.02	0.02	0.02	0.03	0.05	0.05	0.04	0.02	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.02	0.02	0.03	0.03	0.02	0.02	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.03	0.04	0.04	0.02	0.01	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.00	0.02	0.04	0.02	-0.01	-0.01	0.00	0.00	0.01	0.01
CRMS 0258	0.00	0.02	0.01	0.02	0.02	0.04	0.07	0.04	0.00	0.00	0.01	0.00
CRMS 0224	0.01	0.03	0.02	0.04	0.04	0.06	0.07	0.04	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 174 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.15	0.19	0.20	0.22	0.16	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.26	0.21	0.18	0.17	0.15	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.16	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.11	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.11	0.10	0.11	0.12	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.15	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.14
CRMS 0258	0.16	0.14	0.15	0.15	0.16	0.15	0.11	0.11	0.13	0.10	0.13	0.14
CRMS 0224	0.15	0.14	0.15	0.14	0.14	0.13	0.11	0.12	0.12	0.11	0.13	0.14
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.22	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.13	0.13	0.21

V3PR4 HYST - cy 4 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.21	0.16	0.14	0.15	0.12	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.26	0.20	0.18	0.17	0.16	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.20	0.22	0.24	0.25	0.21	0.14	0.10	0.12	0.16	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.16	0.17	0.18	0.19	0.15	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.17	0.18	0.20	0.21	0.18	0.13	0.11	0.11	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.16	0.17	0.18	0.20	0.16	0.13	0.12	0.11	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.15	0.15	0.14	0.15	0.13	0.12	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.11	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.17	0.14	0.11	0.11	0.10	0.10	0.13
CRMS 3985	0.14	0.14	0.14	0.14	0.14	0.14	0.12	0.11	0.11	0.11	0.13	0.14
CRMS 0258	0.14	0.14	0.15	0.17	0.18	0.21	0.18	0.13	0.12	0.11	0.14	0.16
CRMS 0224	0.14	0.14	0.16	0.18	0.19	0.22	0.19	0.13	0.12	0.11	0.14	0.17
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.21	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.15	0.13	0.13	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.00	0.10	0.15	0.18	0.19	0.16	0.12	0.10	0.09	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.01	0.05	0.10	0.13	0.15	0.13	0.04	0.01	0.03	0.03	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.02	0.07	0.10	0.11	0.06	0.01	0.01	0.01	0.01	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.02	0.06	0.09	0.10	0.07	0.01	0.00	0.00	0.01	0.03
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.04	0.06	0.08	0.04	0.01	0.00	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.03	0.04	0.04	0.02	0.01	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.05	0.05	0.03	0.01	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.03	0.05	0.05	0.02	-0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.00	0.01	0.02	0.02	0.07	0.07	0.01	0.00	0.00	0.01	0.02
CRMS 0224	-0.01	0.00	0.01	0.04	0.05	0.09	0.08	0.01	0.00	0.00	0.01	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 175 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.12	0.10	0.08	0.08	0.08	0.08	0.08	0.12	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.17	0.21	0.23	0.20	0.16	0.14	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.16	0.14	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.16	0.14	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.17	0.15	0.13	0.11	0.12	0.11	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.18	0.14	0.14	0.16	0.18	0.15	0.11	0.11	0.14	0.12	0.13	0.17
CRMS 0224	0.17	0.14	0.14	0.15	0.16	0.13	0.11	0.12	0.13	0.12	0.13	0.16
CRMS 0163	0.18	0.19	0.23	0.26	0.26	0.24	0.23	0.19	0.19	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.17	0.12	0.14

V3PR5 HYST - cy 4 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.27	0.27	0.26	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.20	0.23	0.19	0.17	0.15	0.16	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.23	0.21	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.22	0.25	0.25	0.24	0.23	0.16	0.12	0.14	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.17	0.19	0.21	0.18	0.16	0.12	0.11	0.11	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.19	0.20	0.22	0.19	0.19	0.14	0.12	0.13	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.17	0.18	0.20	0.18	0.17	0.14	0.12	0.13	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.15	0.16	0.16	0.14	0.14	0.13	0.11	0.12	0.13	0.16
HWQ14 - Lake Washington	0.16	0.14	0.14	0.15	0.15	0.13	0.13	0.11	0.10	0.11	0.13	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.18	0.16	0.14	0.12	0.12	0.11	0.10	0.12
CRMS 3985	0.15	0.13	0.14	0.15	0.16	0.13	0.13	0.11	0.11	0.11	0.14	0.16
CRMS 0258	0.16	0.14	0.16	0.19	0.21	0.20	0.20	0.15	0.14	0.13	0.14	0.17
CRMS 0224	0.16	0.14	0.17	0.19	0.22	0.20	0.20	0.15	0.13	0.13	0.14	0.17
CRMS 0163	0.18	0.19	0.23	0.25	0.26	0.24	0.23	0.20	0.20	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.16	0.12	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.05	0.12	0.16	0.17	0.18	0.17	0.13	0.12	0.11	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.02	0.09	0.12	0.13	0.13	0.14	0.06	0.02	0.05	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.03	0.08	0.12	0.09	0.07	0.01	0.01	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.05	0.07	0.10	0.09	0.08	0.02	0.00	0.02	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.03	0.05	0.07	0.06	0.05	0.02	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.01	0.03	0.05	0.03	0.03	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.04	0.06	0.04	0.04	0.01	0.00	0.02	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.00	0.04	0.07	0.04	0.02	-0.01	0.00	0.00	0.01	0.01
CRMS 0258	-0.02	0.00	0.02	0.02	0.03	0.05	0.09	0.03	0.00	0.01	0.01	0.00
CRMS 0224	-0.02	0.00	0.03	0.05	0.06	0.07	0.09	0.03	0.00	0.02	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 176 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.12	0.10	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.19	0.21	0.22	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.15	0.14	0.12	0.10	0.09	0.09	0.09	0.09	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.11	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.16	0.16	0.13	0.10	0.10	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.13	0.09	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.15	0.16	0.17	0.17	0.14	0.10	0.10	0.11	0.10	0.14	0.14
CRMS 0224	0.15	0.15	0.15	0.16	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.14
CRMS 0163	0.18	0.22	0.24	0.25	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

V3PR5 HYST - cy 4 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.19	0.18	0.17	0.16	0.18	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.18	0.12	0.12	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.22	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.22	0.24	0.24	0.25	0.16	0.14	0.12	0.09	0.11	0.15	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.19	0.19	0.20	0.12	0.10	0.11	0.10	0.10	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.20	0.20	0.21	0.14	0.10	0.11	0.11	0.10	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.13	0.16	0.19	0.19	0.20	0.14	0.11	0.11	0.11	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.17	0.16	0.16	0.13	0.10	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.14	0.15	0.16	0.15	0.14	0.11	0.09	0.10	0.10	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.13	0.15	0.16	0.16	0.16	0.11	0.10	0.12	0.11	0.10	0.11	0.12
CRMS 0258	0.15	0.16	0.18	0.19	0.20	0.14	0.10	0.10	0.11	0.11	0.14	0.15
CRMS 0224	0.15	0.17	0.19	0.20	0.21	0.14	0.10	0.11	0.11	0.11	0.14	0.15
CRMS 0163	0.18	0.22	0.24	0.24	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.09	0.11	0.14	0.18	0.13	0.12	0.10	0.09	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.06	0.09	0.10	0.13	0.06	0.05	0.03	0.00	0.02	0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.04	0.07	0.11	0.03	0.00	0.00	0.01	0.01	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.03	0.05	0.07	0.10	0.03	0.00	0.00	0.00	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.02	0.03	0.04	0.07	0.03	0.00	0.00	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.02	0.03	0.05	0.02	0.00	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.01	0.01	0.04	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.01	0.00	0.03	0.06	0.02	0.00	0.00	0.00	0.00	-0.01	-0.02
CRMS 0258	-0.01	0.01	0.02	0.02	0.03	0.00	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 0224	-0.01	0.02	0.04	0.04	0.06	0.01	0.00	-0.01	0.00	0.00	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 177 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.13	0.14	0.15	0.13	0.10	0.10	0.12	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.13	0.13	0.13	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.11	0.10	0.08	0.08	0.09	0.09	0.09	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.13	0.10	0.07	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.09	0.09	0.10	0.11	0.11	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.11	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.11	0.09	0.09	0.09	0.10	0.11	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.10	0.08	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.13	0.13	0.12	0.13	0.10	0.09	0.10	0.11	0.11	0.13	0.13
CRMS 0224	0.15	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.11	0.11	0.13	0.13
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.17	0.14	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.14	0.15	0.16	0.15	0.14	0.12	0.10	0.12	0.15	0.17

V3PR5 HYST - cy 4 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.21	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.13	0.10	0.10	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.14	0.13	0.14	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.16	0.14	0.17	0.11	0.12	0.11	0.09	0.10	0.14	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.14	0.12	0.12	0.08	0.09	0.10	0.10	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.12	0.14	0.09	0.10	0.11	0.10	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.12	0.12	0.10	0.09	0.10	0.10	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.13	0.11	0.11	0.09	0.09	0.10	0.10	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.13	0.13	0.10	0.10	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.14	0.13	0.14	0.11	0.10	0.09	0.10	0.11	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.13	0.13	0.13	0.14	0.10	0.09	0.10	0.10	0.10	0.13	0.14
CRMS 0224	0.15	0.14	0.13	0.12	0.14	0.10	0.09	0.10	0.10	0.10	0.13	0.14
CRMS 0163	0.16	0.18	0.18	0.19	0.19	0.17	0.15	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.14	0.16	0.16	0.15	0.14	0.12	0.10	0.13	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.06	0.10	0.14	0.12	0.10	0.09	0.08	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.01	0.03	0.04	0.07	0.02	0.04	0.02	0.00	0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.01	0.02	0.05	0.01	0.00	0.01	0.01	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.01	0.04	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	-0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.02	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.01	0.00	0.00	0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.00	0.00	0.01	0.02	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 178 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.12	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.19	0.19	0.18	0.18	0.13	0.13	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.13	0.11	0.10	0.08	0.09	0.09	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.08	0.10	0.10	0.09	0.09	0.12	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.14	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.13	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.15	0.13	0.13	0.11	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.13	0.10	0.09	0.12	0.12	0.11	0.10	0.13	0.15
CRMS 0258	0.18	0.17	0.17	0.16	0.15	0.14	0.10	0.11	0.13	0.11	0.13	0.16
CRMS 0224	0.17	0.16	0.16	0.15	0.13	0.12	0.10	0.11	0.12	0.11	0.13	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

V3PR5 HYST - cy 4 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.18	0.19	0.18	0.18	0.14	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.22	0.21	0.22	0.21	0.22	0.18	0.18	0.18	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.23	0.22	0.22	0.22	0.22	0.21	0.16	0.10	0.11	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.19	0.19	0.18	0.17	0.15	0.14	0.12	0.10	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.20	0.19	0.19	0.18	0.18	0.17	0.15	0.11	0.11	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.18	0.18	0.18	0.16	0.16	0.15	0.14	0.12	0.11	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.16	0.17	0.18	0.16	0.14	0.13	0.12	0.12	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.17	0.17	0.15	0.13	0.12	0.11	0.11	0.09	0.10	0.13	0.16
HWQ16 - Bayou Grand Liard	0.13	0.15	0.16	0.15	0.14	0.14	0.12	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.16	0.16	0.17	0.15	0.14	0.12	0.11	0.11	0.10	0.11	0.13	0.15
CRMS 0258	0.18	0.18	0.19	0.18	0.17	0.18	0.17	0.15	0.13	0.11	0.14	0.16
CRMS 0224	0.18	0.19	0.19	0.18	0.18	0.18	0.17	0.15	0.12	0.11	0.14	0.16
CRMS 0163	0.20	0.24	0.22	0.23	0.23	0.22	0.20	0.19	0.19	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.16	0.14	0.13	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.08	0.08	0.13	0.16	0.17	0.16	0.13	0.11	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	-0.01	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.05	0.06	0.10	0.11	0.12	0.13	0.07	0.00	0.02	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.01	0.02	0.05	0.08	0.07	0.04	0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.03	0.03	0.05	0.07	0.08	0.06	0.03	0.00	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.02	0.02	0.02	0.03	0.05	0.05	0.04	0.02	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.02	0.02	0.03	0.03	0.02	0.02	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.01	0.03	0.04	0.04	0.02	0.01	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.00	0.02	0.04	0.03	-0.01	-0.01	0.00	0.00	0.00	0.01
CRMS 0258	0.00	0.02	0.01	0.02	0.02	0.04	0.07	0.03	0.00	0.01	0.01	0.00
CRMS 0224	0.01	0.03	0.02	0.04	0.04	0.06	0.07	0.04	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 179 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.15	0.19	0.20	0.22	0.16	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.26	0.21	0.18	0.17	0.15	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.16	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.11	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.11	0.10	0.11	0.12	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.15	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.14
CRMS 0258	0.16	0.14	0.15	0.15	0.16	0.15	0.11	0.11	0.13	0.10	0.13	0.14
CRMS 0224	0.15	0.14	0.15	0.14	0.14	0.13	0.11	0.12	0.12	0.11	0.13	0.14
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.22	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.13	0.13	0.21

V3PR5 HYST - cy 4 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.21	0.16	0.14	0.15	0.13	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.26	0.20	0.18	0.17	0.16	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.21	0.23	0.24	0.25	0.22	0.13	0.10	0.11	0.16	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.16	0.17	0.19	0.19	0.15	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.18	0.18	0.20	0.21	0.18	0.13	0.11	0.11	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.16	0.17	0.18	0.20	0.16	0.13	0.12	0.11	0.12	0.16
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.15	0.15	0.14	0.15	0.14	0.12	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.11	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.17	0.14	0.11	0.11	0.10	0.10	0.13
CRMS 3985	0.14	0.14	0.14	0.14	0.14	0.14	0.12	0.11	0.11	0.11	0.13	0.14
CRMS 0258	0.14	0.14	0.15	0.17	0.18	0.21	0.18	0.13	0.13	0.11	0.14	0.16
CRMS 0224	0.14	0.14	0.16	0.18	0.19	0.22	0.19	0.13	0.12	0.11	0.14	0.16
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.21	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.15	0.13	0.13	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.00	0.10	0.15	0.18	0.19	0.16	0.12	0.10	0.09	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.01	0.00	0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.02	0.06	0.10	0.13	0.15	0.13	0.04	0.00	0.02	0.03	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.02	0.07	0.11	0.11	0.06	0.01	0.01	0.01	0.01	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	0.02	0.06	0.09	0.10	0.07	0.01	0.00	0.00	0.01	0.03
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.04	0.06	0.08	0.04	0.01	0.00	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.03	0.04	0.04	0.02	0.01	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	-0.01	0.03	0.05	0.05	0.03	0.01	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.03	0.06	0.06	0.02	-0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.00	0.01	0.02	0.02	0.06	0.07	0.01	0.00	0.01	0.01	0.02
CRMS 0224	-0.01	0.00	0.01	0.04	0.05	0.09	0.08	0.01	0.00	0.00	0.01	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 180 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.12	0.10	0.08	0.08	0.08	0.08	0.08	0.12	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.17	0.21	0.23	0.20	0.16	0.14	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.16	0.14	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.16	0.14	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.17	0.15	0.13	0.11	0.12	0.11	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.18	0.14	0.14	0.16	0.18	0.15	0.11	0.11	0.14	0.12	0.13	0.17
CRMS 0224	0.17	0.14	0.14	0.15	0.16	0.13	0.11	0.12	0.13	0.12	0.13	0.16
CRMS 0163	0.18	0.19	0.23	0.26	0.26	0.24	0.23	0.19	0.19	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.17	0.12	0.14

V3PR6 HYST - cy 4 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.22	0.26	0.28	0.27	0.26	0.25	0.21	0.20	0.20	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.20	0.22	0.20	0.19	0.15	0.16	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.20	0.24	0.25	0.23	0.21	0.18	0.19	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.24	0.26	0.27	0.25	0.24	0.17	0.12	0.15	0.18	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.21	0.23	0.24	0.22	0.21	0.13	0.11	0.12	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.22	0.24	0.25	0.23	0.22	0.16	0.12	0.14	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.15	0.20	0.22	0.24	0.21	0.20	0.15	0.12	0.14	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.14	0.17	0.19	0.20	0.17	0.17	0.14	0.11	0.12	0.13	0.16
HWQ14 - Lake Washington	0.16	0.14	0.16	0.17	0.18	0.16	0.16	0.13	0.10	0.11	0.14	0.18
HWQ16 - Bayou Grand Liard	0.12	0.12	0.15	0.18	0.20	0.17	0.15	0.12	0.12	0.11	0.11	0.12
CRMS 3985	0.15	0.13	0.16	0.18	0.20	0.18	0.17	0.12	0.11	0.11	0.15	0.17
CRMS 0258	0.16	0.15	0.18	0.21	0.23	0.21	0.21	0.15	0.13	0.13	0.14	0.18
CRMS 0224	0.16	0.16	0.20	0.22	0.24	0.22	0.21	0.16	0.12	0.14	0.14	0.17
CRMS 0163	0.18	0.19	0.23	0.25	0.26	0.24	0.22	0.20	0.20	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.16	0.12	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.06	0.12	0.16	0.17	0.18	0.17	0.13	0.12	0.11	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.03	0.11	0.14	0.14	0.14	0.15	0.08	0.03	0.05	0.06	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.07	0.12	0.16	0.14	0.12	0.03	0.02	0.03	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.02	0.08	0.11	0.13	0.12	0.11	0.04	0.00	0.03	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.06	0.08	0.10	0.09	0.08	0.03	0.00	0.02	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.03	0.06	0.08	0.06	0.06	0.02	0.00	0.02	0.01	0.02
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.06	0.09	0.07	0.06	0.02	0.00	0.02	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.02	0.07	0.11	0.09	0.07	0.01	0.00	0.00	0.02	0.02
CRMS 0258	-0.02	0.01	0.04	0.05	0.05	0.06	0.10	0.04	-0.01	0.01	0.01	0.01
CRMS 0224	-0.01	0.02	0.06	0.07	0.08	0.09	0.10	0.04	-0.01	0.02	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00

Figure WQ TOTP 181 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.12	0.10	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.19	0.21	0.22	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.15	0.14	0.12	0.10	0.09	0.09	0.09	0.09	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.11	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.16	0.16	0.13	0.10	0.10	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.13	0.09	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.15	0.16	0.17	0.17	0.14	0.10	0.10	0.11	0.10	0.14	0.14
CRMS 0224	0.15	0.15	0.15	0.16	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.14
CRMS 0163	0.18	0.22	0.24	0.25	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

V3PR6 HYST - cy 4 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.20	0.18	0.17	0.17	0.18	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.18	0.12	0.12	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.20	0.22	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.24	0.25	0.25	0.26	0.16	0.13	0.12	0.10	0.11	0.17	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.20	0.23	0.23	0.24	0.13	0.10	0.11	0.10	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.24	0.15	0.10	0.11	0.11	0.10	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.14	0.19	0.21	0.22	0.23	0.15	0.11	0.11	0.11	0.11	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.17	0.19	0.19	0.19	0.14	0.10	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.14	0.16	0.17	0.18	0.18	0.12	0.10	0.10	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.17	0.18	0.19	0.15	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.16	0.18	0.19	0.20	0.13	0.11	0.12	0.11	0.11	0.12	0.13
CRMS 0258	0.15	0.18	0.20	0.21	0.22	0.14	0.10	0.10	0.11	0.10	0.15	0.15
CRMS 0224	0.15	0.19	0.21	0.22	0.23	0.14	0.10	0.10	0.11	0.10	0.14	0.16
CRMS 0163	0.18	0.22	0.24	0.24	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.09	0.12	0.14	0.18	0.13	0.12	0.10	0.09	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.07	0.11	0.12	0.14	0.06	0.04	0.02	0.01	0.02	0.04	0.04
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.10	0.15	0.05	0.01	0.01	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.08	0.09	0.13	0.04	0.00	-0.01	-0.01	0.00	0.01	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.04	0.06	0.07	0.10	0.04	0.00	0.00	0.00	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.02	0.04	0.06	0.08	0.03	0.00	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	0.00	0.02	0.06	0.09	0.04	0.00	0.00	0.01	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	0.01	0.03	0.06	0.10	0.03	0.00	0.00	0.01	0.00	0.00	-0.01
CRMS 0258	-0.01	0.03	0.04	0.04	0.05	0.00	0.00	-0.01	-0.01	0.00	0.01	0.01
CRMS 0224	0.00	0.04	0.06	0.06	0.08	0.02	0.00	-0.01	-0.01	0.00	0.01	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 182 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.13	0.14	0.15	0.13	0.10	0.10	0.12	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.13	0.13	0.13	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.11	0.10	0.08	0.08	0.09	0.09	0.09	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.13	0.10	0.07	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.09	0.09	0.10	0.11	0.11	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.11	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.11	0.09	0.09	0.09	0.10	0.11	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.10	0.08	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.13	0.13	0.12	0.13	0.10	0.09	0.10	0.11	0.11	0.13	0.13
CRMS 0224	0.15	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.11	0.11	0.13	0.13
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.17	0.14	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.14	0.15	0.16	0.15	0.14	0.12	0.10	0.12	0.15	0.17

V3PR6 HYST - cy 4 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.22	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.13	0.10	0.10	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.14	0.13	0.14	0.15	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.18	0.15	0.18	0.10	0.11	0.11	0.10	0.10	0.15	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.15	0.13	0.14	0.09	0.10	0.11	0.10	0.10	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.13	0.16	0.09	0.09	0.10	0.10	0.10	0.13	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.13	0.14	0.10	0.09	0.10	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.12	0.12	0.09	0.09	0.10	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.14	0.13	0.11	0.10	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.12	0.11	0.11	0.11	0.10	0.08	0.08	0.10	0.10	0.10	0.11
CRMS 3985	0.15	0.13	0.14	0.12	0.11	0.09	0.10	0.12	0.11	0.10	0.11	0.13
CRMS 0258	0.17	0.14	0.14	0.13	0.14	0.10	0.08	0.09	0.10	0.10	0.13	0.14
CRMS 0224	0.16	0.14	0.14	0.13	0.14	0.09	0.09	0.09	0.10	0.10	0.13	0.14
CRMS 0163	0.16	0.19	0.19	0.19	0.19	0.17	0.15	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.15	0.16	0.17	0.15	0.14	0.12	0.10	0.12	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.06	0.06	0.10	0.14	0.12	0.10	0.09	0.08	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.02	0.04	0.05	0.08	0.02	0.03	0.02	0.00	0.01	0.02	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.02	0.03	0.07	0.01	0.00	0.01	0.01	0.01	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.01	0.01	0.02	0.07	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.03	0.00	-0.01	0.00	0.01	0.00	-0.01	-0.01
CRMS 0258	0.00	0.01	0.01	0.00	0.01	-0.01	0.00	-0.01	-0.01	-0.01	0.00	0.01
CRMS 0224	0.00	0.01	0.01	0.01	0.03	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 183 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.12	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.19	0.19	0.18	0.18	0.13	0.13	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.13	0.11	0.10	0.08	0.09	0.09	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.08	0.10	0.10	0.09	0.09	0.12	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.14	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.13	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.15	0.13	0.13	0.11	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.13	0.10	0.09	0.12	0.12	0.11	0.10	0.13	0.15
CRMS 0258	0.18	0.17	0.17	0.16	0.15	0.14	0.10	0.11	0.13	0.11	0.13	0.16
CRMS 0224	0.17	0.16	0.16	0.15	0.13	0.12	0.10	0.11	0.12	0.11	0.13	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

V3PR6 HYST - cy 4 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.16	0.18	0.18	0.18	0.17	0.18	0.16	0.15	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.22	0.21	0.22	0.21	0.21	0.18	0.17	0.18	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.23	0.24	0.24	0.23	0.22	0.16	0.10	0.11	0.18	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.13	0.10	0.10	0.15	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.16	0.11	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.18	0.21	0.20	0.20	0.19	0.19	0.18	0.15	0.12	0.11	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.18	0.19	0.19	0.18	0.16	0.15	0.15	0.14	0.11	0.10	0.13	0.16
HWQ14 - Lake Washington	0.17	0.18	0.18	0.16	0.14	0.14	0.13	0.12	0.09	0.10	0.14	0.17
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.17	0.15	0.15	0.12	0.12	0.11	0.10	0.10	0.12
CRMS 3985	0.17	0.18	0.18	0.17	0.16	0.15	0.14	0.12	0.10	0.11	0.14	0.16
CRMS 0258	0.19	0.20	0.19	0.19	0.19	0.19	0.18	0.15	0.12	0.11	0.14	0.17
CRMS 0224	0.19	0.21	0.20	0.20	0.20	0.20	0.19	0.15	0.11	0.11	0.14	0.17
CRMS 0163	0.20	0.24	0.22	0.23	0.23	0.22	0.20	0.19	0.19	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.13	0.16	0.17	0.16	0.13	0.11	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.07	0.07	0.11	0.13	0.13	0.13	0.07	0.00	0.02	0.06	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.03	0.08	0.12	0.11	0.08	0.03	0.00	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.06	0.05	0.08	0.10	0.11	0.09	0.04	-0.01	0.00	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.04	0.05	0.04	0.06	0.08	0.08	0.07	0.04	0.00	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.02	0.03	0.03	0.05	0.05	0.06	0.05	0.03	0.00	0.01	0.01	0.02
HWQ14 - Lake Washington	0.00	0.00	0.01	0.04	0.06	0.06	0.04	0.02	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.01	0.01	0.01	0.04	0.07	0.06	0.02	0.00	0.00	0.00	0.01	0.01
CRMS 0258	0.01	0.03	0.02	0.04	0.04	0.05	0.08	0.04	-0.01	0.00	0.01	0.01
CRMS 0224	0.02	0.05	0.03	0.06	0.06	0.08	0.09	0.04	-0.01	0.00	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 184 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.15	0.19	0.20	0.22	0.16	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.26	0.21	0.18	0.17	0.15	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.16	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.11	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.11	0.10	0.11	0.12	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.15	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.14
CRMS 0258	0.16	0.14	0.15	0.15	0.16	0.15	0.11	0.11	0.13	0.10	0.13	0.14
CRMS 0224	0.15	0.14	0.15	0.14	0.14	0.13	0.11	0.12	0.12	0.11	0.13	0.14
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.22	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.13	0.13	0.21

V3PR6 HYST - cy 4 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.22	0.18	0.14	0.15	0.12	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.18	0.21	0.24	0.25	0.20	0.18	0.17	0.16	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.23	0.24	0.26	0.26	0.22	0.13	0.10	0.11	0.17	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.20	0.21	0.23	0.24	0.19	0.11	0.10	0.10	0.14	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.20	0.22	0.23	0.24	0.21	0.13	0.11	0.11	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.18	0.20	0.22	0.23	0.19	0.13	0.12	0.11	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.16	0.17	0.18	0.19	0.16	0.13	0.11	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.15	0.15	0.16	0.17	0.15	0.12	0.10	0.10	0.14	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.14	0.16	0.17	0.18	0.14	0.12	0.11	0.10	0.10	0.14
CRMS 3985	0.14	0.14	0.15	0.16	0.18	0.20	0.15	0.12	0.11	0.11	0.14	0.16
CRMS 0258	0.15	0.15	0.17	0.19	0.20	0.23	0.19	0.12	0.12	0.11	0.15	0.17
CRMS 0224	0.14	0.14	0.18	0.20	0.21	0.24	0.20	0.13	0.11	0.11	0.14	0.18
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.21	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.12	0.13	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.00	0.10	0.15	0.18	0.19	0.16	0.12	0.10	0.09	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.08	0.12	0.15	0.16	0.14	0.04	0.00	0.02	0.05	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.05	0.10	0.15	0.16	0.10	0.01	0.01	0.01	0.02	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.05	0.10	0.13	0.14	0.10	0.01	-0.01	0.00	0.02	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.04	0.07	0.10	0.11	0.07	0.02	0.00	0.00	0.01	0.04
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.02	0.05	0.07	0.08	0.05	0.01	0.00	0.00	0.01	0.03
HWQ14 - Lake Washington	-0.02	-0.01	0.00	0.05	0.08	0.09	0.06	0.01	0.00	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.02
CRMS 3985	0.00	0.00	0.02	0.06	0.10	0.11	0.05	0.00	0.00	0.00	0.01	0.02
CRMS 0258	-0.01	0.00	0.02	0.04	0.05	0.08	0.09	0.01	-0.01	0.00	0.01	0.03
CRMS 0224	-0.01	0.00	0.03	0.06	0.07	0.11	0.09	0.01	-0.01	0.00	0.01	0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 185 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.12	0.10	0.08	0.08	0.08	0.08	0.08	0.12	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.17	0.21	0.23	0.20	0.16	0.14	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.16	0.14	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.16	0.14	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.17	0.15	0.13	0.11	0.12	0.11	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.18	0.14	0.14	0.16	0.18	0.15	0.11	0.11	0.14	0.12	0.13	0.17
CRMS 0224	0.17	0.14	0.14	0.15	0.16	0.13	0.11	0.12	0.13	0.12	0.13	0.16
CRMS 0163	0.18	0.19	0.23	0.26	0.26	0.24	0.23	0.19	0.19	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.17	0.12	0.14

V3PR7 HYST - cy 4 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.28	0.27	0.26	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.20	0.23	0.20	0.19	0.15	0.16	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.20	0.24	0.25	0.23	0.21	0.18	0.19	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.24	0.26	0.26	0.24	0.24	0.16	0.13	0.15	0.18	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.21	0.23	0.24	0.22	0.21	0.13	0.11	0.12	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.22	0.24	0.25	0.23	0.22	0.16	0.12	0.14	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.15	0.20	0.22	0.24	0.21	0.21	0.15	0.12	0.14	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.14	0.17	0.19	0.20	0.17	0.17	0.14	0.11	0.12	0.13	0.16
HWQ14 - Lake Washington	0.16	0.14	0.15	0.17	0.18	0.16	0.16	0.13	0.10	0.11	0.14	0.18
HWQ16 - Bayou Grand Liard	0.12	0.12	0.15	0.18	0.20	0.17	0.15	0.12	0.12	0.11	0.11	0.12
CRMS 3985	0.15	0.13	0.16	0.18	0.20	0.18	0.16	0.12	0.11	0.11	0.14	0.17
CRMS 0258	0.16	0.15	0.18	0.21	0.23	0.21	0.21	0.15	0.13	0.13	0.15	0.18
CRMS 0224	0.16	0.16	0.20	0.22	0.24	0.22	0.22	0.16	0.12	0.14	0.14	0.17
CRMS 0163	0.18	0.19	0.23	0.25	0.26	0.24	0.22	0.20	0.20	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.16	0.12	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.06	0.12	0.16	0.17	0.18	0.17	0.13	0.12	0.11	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.03	0.02	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.03	0.10	0.13	0.14	0.14	0.15	0.07	0.03	0.06	0.05	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.07	0.12	0.16	0.14	0.12	0.03	0.02	0.03	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.02	0.08	0.11	0.13	0.12	0.11	0.04	0.00	0.03	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.06	0.08	0.10	0.09	0.08	0.03	0.00	0.02	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.04	0.06	0.08	0.06	0.06	0.02	0.00	0.02	0.01	0.02
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.06	0.09	0.07	0.06	0.02	0.00	0.02	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.02	0.07	0.11	0.08	0.06	0.00	0.00	0.00	0.02	0.02
CRMS 0258	-0.02	0.01	0.04	0.05	0.05	0.07	0.10	0.04	-0.01	0.01	0.01	0.01
CRMS 0224	-0.01	0.02	0.06	0.07	0.08	0.09	0.11	0.04	-0.01	0.02	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 186 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.12	0.10	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.19	0.21	0.22	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.15	0.14	0.12	0.10	0.09	0.09	0.09	0.09	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.11	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.16	0.16	0.13	0.10	0.10	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.13	0.09	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.15	0.16	0.17	0.17	0.14	0.10	0.10	0.11	0.10	0.14	0.14
CRMS 0224	0.15	0.15	0.15	0.16	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.14
CRMS 0163	0.18	0.22	0.24	0.25	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

V3PR7 HYST - cy 4 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.20	0.18	0.17	0.17	0.18	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.18	0.12	0.12	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.20	0.22	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.23	0.25	0.25	0.26	0.17	0.14	0.13	0.10	0.11	0.17	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.20	0.22	0.23	0.24	0.13	0.10	0.11	0.10	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.25	0.15	0.10	0.11	0.11	0.10	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.14	0.19	0.22	0.22	0.23	0.15	0.11	0.11	0.11	0.11	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.17	0.19	0.19	0.19	0.14	0.10	0.10	0.11	0.10	0.13	0.15
HWQ14 - Lake Washington	0.14	0.16	0.17	0.17	0.17	0.12	0.10	0.10	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.17	0.18	0.19	0.15	0.10	0.10	0.11	0.10	0.11	0.12
CRMS 3985	0.14	0.16	0.18	0.18	0.19	0.12	0.11	0.12	0.11	0.11	0.12	0.13
CRMS 0258	0.15	0.18	0.20	0.21	0.22	0.14	0.10	0.10	0.11	0.10	0.15	0.15
CRMS 0224	0.15	0.19	0.21	0.22	0.23	0.14	0.10	0.10	0.11	0.10	0.14	0.16
CRMS 0163	0.18	0.22	0.24	0.24	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.09	0.12	0.14	0.18	0.13	0.12	0.10	0.09	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.07	0.10	0.12	0.14	0.07	0.05	0.03	0.01	0.03	0.04	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.10	0.15	0.05	0.01	0.00	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.08	0.10	0.13	0.04	0.00	-0.01	-0.01	0.00	0.01	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.05	0.06	0.07	0.10	0.04	0.00	0.00	0.00	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.02	0.04	0.06	0.08	0.03	0.00	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	0.00	0.02	0.06	0.08	0.04	0.00	0.00	0.01	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.01	0.02	0.02	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	0.00	0.02	0.06	0.10	0.03	0.00	0.00	0.01	0.00	0.00	-0.01
CRMS 0258	-0.01	0.03	0.04	0.04	0.05	0.00	0.00	-0.01	0.00	0.00	0.01	0.01
CRMS 0224	0.00	0.04	0.06	0.06	0.08	0.02	0.00	-0.01	-0.01	0.00	0.01	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 187 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.13	0.14	0.15	0.13	0.10	0.10	0.12	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.13	0.13	0.13	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.11	0.10	0.08	0.08	0.09	0.09	0.09	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.13	0.10	0.07	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.09	0.09	0.10	0.11	0.11	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.11	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.11	0.09	0.09	0.09	0.10	0.11	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.10	0.08	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.13	0.13	0.12	0.13	0.10	0.09	0.10	0.11	0.11	0.13	0.13
CRMS 0224	0.15	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.11	0.11	0.13	0.13
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.17	0.14	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.14	0.15	0.16	0.15	0.14	0.12	0.10	0.12	0.15	0.17

V3PR7 HYST - cy 4 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.22	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.13	0.14	0.14	0.13	0.10	0.10	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.14	0.13	0.14	0.15	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.17	0.15	0.17	0.11	0.12	0.12	0.10	0.10	0.15	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.15	0.13	0.14	0.09	0.10	0.11	0.10	0.09	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.15	0.13	0.16	0.09	0.09	0.10	0.10	0.10	0.13	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.13	0.14	0.10	0.09	0.10	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.12	0.12	0.09	0.09	0.10	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.14	0.13	0.11	0.10	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.12	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.13	0.14	0.12	0.11	0.09	0.10	0.12	0.11	0.10	0.11	0.12
CRMS 0258	0.16	0.14	0.14	0.13	0.14	0.10	0.09	0.09	0.10	0.10	0.13	0.14
CRMS 0224	0.16	0.15	0.14	0.13	0.15	0.09	0.09	0.10	0.10	0.10	0.13	0.14
CRMS 0163	0.16	0.19	0.19	0.19	0.19	0.17	0.15	0.15	0.14	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.15	0.16	0.17	0.16	0.14	0.12	0.10	0.12	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.05	0.06	0.10	0.14	0.12	0.10	0.09	0.08	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.02	0.04	0.05	0.08	0.02	0.04	0.03	0.00	0.01	0.02	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.02	0.03	0.07	0.01	0.00	0.01	0.01	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.01	0.01	0.02	0.07	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.00	0.01	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.03	0.00	-0.01	0.00	0.01	0.00	-0.01	-0.02
CRMS 0258	0.00	0.01	0.01	0.01	0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.01
CRMS 0224	0.00	0.01	0.01	0.01	0.03	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01
CRMS 0162	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Figure WQ TOTP 188 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.12	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.19	0.19	0.18	0.18	0.13	0.13	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.13	0.11	0.10	0.08	0.09	0.09	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.08	0.10	0.10	0.09	0.09	0.12	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.14	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.13	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.15	0.13	0.13	0.11	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.13	0.10	0.09	0.12	0.12	0.11	0.10	0.13	0.15
CRMS 0258	0.18	0.17	0.17	0.16	0.15	0.14	0.10	0.11	0.13	0.11	0.13	0.16
CRMS 0224	0.17	0.16	0.16	0.15	0.13	0.12	0.10	0.11	0.12	0.11	0.13	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

V3PR7 HYST - cy 4 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.16	0.18	0.18	0.19	0.17	0.18	0.16	0.15	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.22	0.21	0.22	0.21	0.21	0.18	0.17	0.18	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.22	0.24	0.23	0.23	0.22	0.16	0.10	0.11	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.13	0.10	0.10	0.15	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.16	0.11	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.18	0.21	0.20	0.20	0.20	0.19	0.18	0.15	0.12	0.11	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.18	0.19	0.19	0.18	0.16	0.15	0.15	0.14	0.11	0.10	0.13	0.16
HWQ14 - Lake Washington	0.17	0.18	0.18	0.16	0.14	0.14	0.13	0.12	0.09	0.10	0.14	0.17
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.17	0.15	0.15	0.12	0.12	0.11	0.10	0.11	0.12
CRMS 3985	0.16	0.18	0.18	0.17	0.16	0.15	0.13	0.12	0.10	0.11	0.14	0.15
CRMS 0258	0.19	0.20	0.19	0.19	0.19	0.19	0.18	0.15	0.12	0.11	0.14	0.17
CRMS 0224	0.19	0.21	0.20	0.20	0.20	0.20	0.19	0.15	0.12	0.11	0.14	0.17
CRMS 0163	0.20	0.24	0.22	0.23	0.23	0.22	0.20	0.19	0.19	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.21	0.16	0.14	0.13	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.13	0.16	0.17	0.16	0.13	0.11	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.02	0.02	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.07	0.06	0.11	0.13	0.13	0.13	0.07	0.01	0.03	0.05	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.03	0.08	0.12	0.12	0.08	0.03	0.00	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.06	0.05	0.08	0.11	0.11	0.09	0.04	-0.01	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.04	0.05	0.04	0.06	0.08	0.08	0.07	0.04	0.00	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.02	0.03	0.03	0.05	0.05	0.06	0.05	0.03	0.00	0.01	0.01	0.02
HWQ14 - Lake Washington	0.00	0.00	0.01	0.04	0.06	0.06	0.04	0.02	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.01	0.01	0.04	0.06	0.06	0.02	0.00	-0.01	0.00	0.01	0.01
CRMS 0258	0.01	0.03	0.02	0.04	0.04	0.05	0.08	0.04	-0.01	0.00	0.01	0.01
CRMS 0224	0.02	0.05	0.03	0.06	0.06	0.08	0.09	0.04	-0.01	0.00	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 189 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.15	0.19	0.20	0.22	0.16	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.26	0.21	0.18	0.17	0.15	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.16	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.11	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.11	0.10	0.11	0.12	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.15	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.14
CRMS 0258	0.16	0.14	0.15	0.15	0.16	0.15	0.11	0.11	0.13	0.10	0.13	0.14
CRMS 0224	0.15	0.14	0.15	0.14	0.14	0.13	0.11	0.12	0.12	0.11	0.13	0.14
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.22	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.13	0.13	0.21

V3PR7 HYST - cy 4 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.22	0.18	0.14	0.15	0.13	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.18	0.21	0.24	0.25	0.20	0.18	0.17	0.16	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.23	0.24	0.26	0.26	0.22	0.13	0.10	0.11	0.17	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.20	0.21	0.23	0.24	0.19	0.11	0.10	0.10	0.15	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.21	0.22	0.24	0.24	0.21	0.13	0.11	0.11	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.18	0.20	0.22	0.23	0.19	0.13	0.12	0.11	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.16	0.17	0.18	0.19	0.16	0.12	0.11	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.15	0.15	0.16	0.17	0.15	0.11	0.09	0.10	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.14	0.16	0.17	0.18	0.14	0.11	0.11	0.10	0.11	0.14
CRMS 3985	0.14	0.14	0.15	0.16	0.18	0.19	0.15	0.12	0.11	0.11	0.14	0.16
CRMS 0258	0.15	0.15	0.17	0.19	0.21	0.23	0.19	0.12	0.12	0.11	0.15	0.17
CRMS 0224	0.14	0.14	0.18	0.20	0.22	0.24	0.20	0.13	0.11	0.11	0.14	0.18
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.21	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.15	0.13	0.13	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.00	0.10	0.15	0.18	0.19	0.16	0.12	0.10	0.09	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.07	0.12	0.14	0.15	0.14	0.04	0.01	0.03	0.04	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.05	0.10	0.15	0.16	0.10	0.01	0.01	0.01	0.02	0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.01	0.05	0.10	0.13	0.14	0.10	0.01	-0.01	0.00	0.02	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.04	0.07	0.10	0.11	0.07	0.02	0.00	0.00	0.02	0.05
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.02	0.05	0.07	0.08	0.05	0.01	0.00	0.00	0.01	0.03
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.05	0.08	0.09	0.06	0.01	0.00	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.01	0.02
CRMS 3985	0.00	0.00	0.02	0.05	0.09	0.11	0.05	0.00	0.00	0.00	0.01	0.01
CRMS 0258	-0.01	0.00	0.02	0.04	0.05	0.08	0.09	0.01	-0.01	0.00	0.01	0.03
CRMS 0224	-0.01	0.00	0.03	0.06	0.08	0.11	0.09	0.01	-0.01	0.00	0.01	0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 190 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.12	0.10	0.08	0.08	0.08	0.08	0.08	0.12	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.17	0.21	0.23	0.20	0.16	0.14	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.16	0.14	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.16	0.14	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.17	0.15	0.13	0.11	0.12	0.11	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.18	0.14	0.14	0.16	0.18	0.15	0.11	0.11	0.14	0.12	0.13	0.17
CRMS 0224	0.17	0.14	0.14	0.15	0.16	0.13	0.11	0.12	0.13	0.12	0.13	0.16
CRMS 0163	0.18	0.19	0.23	0.26	0.26	0.24	0.23	0.19	0.19	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.17	0.12	0.14

V3PR8 HYST - cy 4 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.28	0.27	0.26	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.15	0.20	0.22	0.20	0.19	0.15	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.19	0.23	0.25	0.22	0.19	0.17	0.18	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.24	0.26	0.27	0.25	0.24	0.15	0.12	0.14	0.19	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.21	0.23	0.24	0.22	0.21	0.13	0.11	0.12	0.15	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.22	0.24	0.25	0.23	0.22	0.16	0.12	0.14	0.14	0.18
USGS 07380335 - Little Lake Near Cutoff	0.15	0.15	0.20	0.22	0.24	0.21	0.21	0.15	0.12	0.14	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.14	0.17	0.19	0.20	0.17	0.17	0.14	0.11	0.12	0.13	0.16
HWQ14 - Lake Washington	0.16	0.14	0.15	0.17	0.18	0.16	0.16	0.12	0.10	0.11	0.14	0.18
HWQ16 - Bayou Grand Liard	0.12	0.12	0.15	0.18	0.19	0.17	0.15	0.12	0.12	0.11	0.11	0.12
CRMS 3985	0.15	0.14	0.16	0.18	0.20	0.18	0.16	0.12	0.11	0.11	0.15	0.17
CRMS 0258	0.16	0.15	0.19	0.21	0.23	0.22	0.21	0.16	0.13	0.13	0.15	0.18
CRMS 0224	0.16	0.16	0.20	0.22	0.24	0.22	0.22	0.16	0.12	0.14	0.14	0.17
CRMS 0163	0.17	0.19	0.23	0.25	0.26	0.24	0.22	0.19	0.20	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.16	0.12	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.06	0.12	0.16	0.17	0.18	0.17	0.13	0.12	0.11	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	0.03	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.03	-0.01	0.00	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.03	0.11	0.14	0.14	0.14	0.15	0.06	0.03	0.05	0.07	0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.07	0.12	0.16	0.14	0.12	0.03	0.01	0.03	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.02	0.08	0.11	0.13	0.12	0.11	0.04	0.00	0.03	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.06	0.08	0.10	0.09	0.08	0.03	0.00	0.02	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.03	0.06	0.08	0.06	0.06	0.02	0.00	0.02	0.01	0.02
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.06	0.09	0.07	0.06	0.02	0.00	0.02	0.02	0.03
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.02	0.07	0.11	0.09	0.06	0.00	0.00	0.00	0.02	0.02
CRMS 0258	-0.02	0.01	0.05	0.05	0.05	0.07	0.10	0.04	-0.01	0.01	0.01	0.01
CRMS 0224	-0.01	0.02	0.06	0.07	0.08	0.09	0.11	0.04	-0.01	0.02	0.01	0.01
CRMS 0163	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 191 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.12	0.10	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.19	0.21	0.22	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.15	0.14	0.12	0.10	0.09	0.09	0.09	0.09	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.11	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.16	0.16	0.13	0.10	0.10	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.13	0.09	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.15	0.16	0.17	0.17	0.14	0.10	0.10	0.11	0.10	0.14	0.14
CRMS 0224	0.15	0.15	0.15	0.16	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.14
CRMS 0163	0.18	0.22	0.24	0.25	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

V3PR8 HYST - cy 4 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.20	0.19	0.17	0.17	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.18	0.20	0.21	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.16	0.15	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.23	0.25	0.25	0.26	0.16	0.12	0.12	0.10	0.11	0.18	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.20	0.22	0.23	0.24	0.13	0.10	0.11	0.10	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.25	0.15	0.10	0.10	0.11	0.10	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.14	0.19	0.22	0.22	0.23	0.15	0.11	0.11	0.11	0.11	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.17	0.19	0.19	0.19	0.14	0.10	0.10	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.14	0.16	0.17	0.17	0.17	0.12	0.10	0.10	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.17	0.18	0.19	0.15	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.16	0.18	0.18	0.19	0.13	0.11	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.15	0.18	0.21	0.21	0.23	0.15	0.10	0.10	0.11	0.10	0.15	0.15
CRMS 0224	0.15	0.19	0.22	0.22	0.23	0.14	0.10	0.10	0.11	0.10	0.14	0.16
CRMS 0163	0.18	0.22	0.24	0.24	0.25	0.21	0.18	0.17	0.16	0.15	0.16	0.18
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.20	0.20	0.16	0.12	0.12	0.13	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.04	0.09	0.12	0.14	0.18	0.13	0.12	0.11	0.09	0.09	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.02	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.07	0.11	0.12	0.14	0.06	0.04	0.03	0.01	0.02	0.05	0.04
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.04	0.07	0.10	0.15	0.05	0.01	0.00	0.01	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.06	0.08	0.10	0.13	0.04	0.00	-0.01	-0.01	0.00	0.01	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.04	0.06	0.07	0.10	0.04	0.00	0.00	0.00	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.00	0.02	0.04	0.06	0.08	0.03	0.00	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.01	0.02	0.06	0.08	0.04	0.00	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	0.00	0.02	0.06	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01
CRMS 0258	-0.01	0.03	0.05	0.04	0.06	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 0224	0.00	0.05	0.06	0.06	0.08	0.02	0.00	-0.01	-0.01	0.00	0.01	0.02
CRMS 0163	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ TOTP 192 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.13	0.14	0.15	0.13	0.10	0.10	0.12	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.13	0.13	0.13	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.11	0.10	0.08	0.08	0.09	0.09	0.09	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.13	0.10	0.07	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.09	0.09	0.10	0.11	0.11	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.11	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.11	0.09	0.09	0.09	0.10	0.11	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.10	0.08	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.13	0.13	0.12	0.13	0.10	0.09	0.10	0.11	0.11	0.13	0.13
CRMS 0224	0.15	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.11	0.11	0.13	0.13
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.17	0.14	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.14	0.15	0.16	0.15	0.14	0.12	0.10	0.12	0.15	0.17

V3PR8 HYST - cy 4 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.22	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.14	0.14	0.12	0.10	0.10	0.12	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.17	0.17	0.15	0.12	0.12	0.13	0.14	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.18	0.15	0.17	0.11	0.12	0.12	0.10	0.10	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.15	0.13	0.14	0.09	0.10	0.11	0.10	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.13	0.16	0.09	0.09	0.10	0.10	0.10	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.13	0.14	0.10	0.09	0.10	0.10	0.10	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.13	0.12	0.12	0.09	0.09	0.10	0.10	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.13	0.13	0.11	0.11	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.10	0.12	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.15	0.13	0.14	0.12	0.11	0.09	0.10	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.17	0.14	0.14	0.13	0.14	0.10	0.09	0.09	0.10	0.10	0.14	0.14
CRMS 0224	0.16	0.15	0.14	0.13	0.15	0.09	0.09	0.09	0.10	0.10	0.13	0.14
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.17	0.15	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.15	0.16	0.17	0.15	0.14	0.12	0.10	0.12	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.05	0.06	0.10	0.14	0.12	0.10	0.09	0.08	0.09	0.06	0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.01	0.04	0.05	0.07	0.02	0.04	0.03	0.00	0.01	0.03	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.01	0.00	0.02	0.03	0.07	0.01	0.00	0.01	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.01	0.01	0.02	0.07	0.00	-0.01	-0.01	-0.01	-0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	0.01	0.00	0.01	0.05	0.00	0.00	0.00	0.00	-0.01	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.00	0.01	0.03	0.00	0.00	0.00	0.00	-0.01	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.02	0.00	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.03	0.01	-0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0258	0.00	0.01	0.01	0.01	0.01	-0.01	0.00	-0.01	0.00	0.00	0.01	0.01
CRMS 0224	0.00	0.01	0.01	0.01	0.03	-0.01	-0.01	-0.02	-0.01	-0.01	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 193 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.12	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.19	0.19	0.18	0.18	0.13	0.13	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.13	0.11	0.10	0.08	0.09	0.09	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.08	0.10	0.10	0.09	0.09	0.12	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.14	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.13	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.15	0.13	0.13	0.11	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.13	0.10	0.09	0.12	0.12	0.11	0.10	0.13	0.15
CRMS 0258	0.18	0.17	0.17	0.16	0.15	0.14	0.10	0.11	0.13	0.11	0.13	0.16
CRMS 0224	0.17	0.16	0.16	0.15	0.13	0.12	0.10	0.11	0.12	0.11	0.13	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

V3PR8 HYST - cy 4 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.18	0.18	0.17	0.18	0.16	0.15	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.20	0.21	0.20	0.20	0.16	0.16	0.17	0.15	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.22	0.24	0.23	0.23	0.21	0.15	0.10	0.11	0.19	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.20	0.18	0.13	0.10	0.10	0.15	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.21	0.23	0.21	0.22	0.21	0.21	0.20	0.16	0.10	0.10	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.18	0.21	0.20	0.20	0.19	0.19	0.18	0.15	0.11	0.11	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.18	0.19	0.19	0.18	0.16	0.15	0.14	0.14	0.11	0.10	0.13	0.16
HWQ14 - Lake Washington	0.17	0.18	0.18	0.16	0.14	0.14	0.13	0.12	0.09	0.10	0.14	0.17
HWQ16 - Bayou Grand Liard	0.14	0.17	0.17	0.17	0.15	0.15	0.12	0.12	0.11	0.10	0.11	0.12
CRMS 3985	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.12	0.10	0.11	0.14	0.16
CRMS 0258	0.19	0.20	0.19	0.20	0.19	0.20	0.18	0.15	0.12	0.11	0.14	0.17
CRMS 0224	0.19	0.21	0.20	0.20	0.20	0.20	0.19	0.15	0.11	0.10	0.14	0.17
CRMS 0163	0.20	0.23	0.22	0.23	0.22	0.22	0.19	0.19	0.19	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.21	0.16	0.14	0.12	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.08	0.08	0.13	0.16	0.17	0.16	0.13	0.11	0.10	0.05	0.02
CRMS0276 - Just east of Wilkinson Canal	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	0.02	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.01	-0.01	-0.02	-0.02	-0.03	-0.02	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.07	0.06	0.11	0.13	0.13	0.13	0.06	0.00	0.02	0.06	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.02	0.04	0.03	0.08	0.12	0.11	0.08	0.03	0.00	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	0.06	0.05	0.08	0.11	0.11	0.10	0.04	-0.01	0.00	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.04	0.05	0.04	0.06	0.08	0.08	0.07	0.04	0.00	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.02	0.03	0.03	0.05	0.05	0.05	0.04	0.03	0.00	0.00	0.01	0.02
HWQ14 - Lake Washington	0.00	0.00	0.01	0.04	0.06	0.06	0.04	0.02	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.01	0.01	0.01	0.04	0.07	0.06	0.02	0.00	0.00	0.00	0.01	0.01
CRMS 0258	0.01	0.04	0.02	0.04	0.04	0.06	0.08	0.04	-0.01	0.00	0.01	0.01
CRMS 0224	0.02	0.05	0.03	0.06	0.07	0.08	0.09	0.04	-0.01	0.00	0.01	0.01
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 194 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.15	0.19	0.20	0.22	0.16	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.26	0.21	0.18	0.17	0.15	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.16	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.11	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.11	0.10	0.11	0.12	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.15	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.14
CRMS 0258	0.16	0.14	0.15	0.15	0.16	0.15	0.11	0.11	0.13	0.10	0.13	0.14
CRMS 0224	0.15	0.14	0.15	0.14	0.14	0.13	0.11	0.12	0.12	0.11	0.13	0.14
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.22	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.13	0.13	0.21

V3PR8 HYST - cy 4 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.22	0.18	0.14	0.14	0.12	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.20	0.22	0.24	0.19	0.17	0.17	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.18	0.23	0.24	0.26	0.26	0.22	0.12	0.10	0.11	0.18	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.19	0.21	0.23	0.24	0.19	0.11	0.10	0.10	0.14	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.21	0.22	0.24	0.24	0.21	0.13	0.10	0.10	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.18	0.20	0.22	0.23	0.19	0.13	0.11	0.11	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.16	0.17	0.17	0.19	0.16	0.12	0.11	0.10	0.13	0.16
HWQ14 - Lake Washington	0.14	0.15	0.15	0.15	0.16	0.17	0.15	0.11	0.09	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.14	0.16	0.17	0.18	0.14	0.11	0.11	0.10	0.10	0.14
CRMS 3985	0.14	0.14	0.15	0.16	0.18	0.19	0.15	0.12	0.11	0.11	0.14	0.16
CRMS 0258	0.15	0.15	0.17	0.19	0.21	0.23	0.20	0.13	0.12	0.11	0.15	0.17
CRMS 0224	0.14	0.14	0.18	0.20	0.22	0.24	0.20	0.13	0.11	0.10	0.14	0.18
CRMS 0163	0.17	0.16	0.21	0.23	0.25	0.26	0.21	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.15	0.13	0.13	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.00	0.10	0.15	0.18	0.19	0.16	0.12	0.10	0.09	0.05	0.10
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	-0.01	-0.01	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.02	-0.01	0.00	0.00	0.00	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.01	0.07	0.12	0.15	0.16	0.13	0.03	0.00	0.02	0.06	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.05	0.10	0.15	0.16	0.10	0.01	0.01	0.01	0.02	0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.06	0.10	0.13	0.14	0.10	0.01	-0.01	0.00	0.02	0.06
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.04	0.07	0.10	0.11	0.07	0.01	0.00	0.00	0.01	0.04
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.02	0.05	0.07	0.08	0.05	0.01	0.00	0.00	0.01	0.03
HWQ14 - Lake Washington	-0.02	-0.01	0.00	0.05	0.08	0.09	0.05	0.01	0.00	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.02
CRMS 3985	0.00	0.00	0.02	0.05	0.09	0.11	0.05	0.00	0.00	0.00	0.01	0.01
CRMS 0258	-0.01	0.00	0.03	0.04	0.05	0.08	0.09	0.01	-0.01	0.00	0.01	0.03
CRMS 0224	-0.01	0.00	0.04	0.06	0.08	0.11	0.09	0.01	-0.01	0.00	0.01	0.04
CRMS 0163	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 195 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.12	0.10	0.08	0.08	0.08	0.08	0.08	0.12	0.17
CRMS0276 - Just east of Wilkinson Canal	0.14	0.14	0.17	0.21	0.23	0.20	0.16	0.14	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.16	0.14	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.14	0.11	0.09	0.08	0.09	0.10	0.10	0.09	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.15	0.14	0.13	0.12	0.11	0.11	0.11	0.11	0.10	0.12	0.15
HWQ14 - Lake Washington	0.17	0.16	0.14	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.16	0.17	0.15	0.13	0.11	0.12	0.11	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.18	0.14	0.14	0.16	0.18	0.15	0.11	0.11	0.14	0.12	0.13	0.17
CRMS 0224	0.17	0.14	0.14	0.15	0.16	0.13	0.11	0.12	0.13	0.12	0.13	0.16
CRMS 0163	0.18	0.19	0.23	0.26	0.26	0.24	0.23	0.19	0.19	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.17	0.12	0.14

V3PR9 HYST - cy 4 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.14	0.11	0.10	0.08	0.08	0.08	0.08	0.08	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.16	0.20	0.23	0.20	0.16	0.14	0.15	0.13	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.19	0.23	0.25	0.23	0.20	0.18	0.17	0.16	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.16	0.14	0.13	0.13	0.10	0.09	0.09	0.10	0.09	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.14	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.13	0.11	0.10	0.11	0.12	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.15	0.14	0.12	0.12	0.11	0.11	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.17	0.16	0.14	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.12	0.14	0.15	0.17	0.15	0.13	0.11	0.12	0.10	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.18	0.14	0.14	0.16	0.18	0.15	0.11	0.11	0.13	0.12	0.13	0.16
CRMS 0224	0.17	0.14	0.14	0.15	0.16	0.13	0.11	0.11	0.12	0.11	0.13	0.15
CRMS 0163	0.17	0.19	0.23	0.25	0.26	0.24	0.23	0.19	0.19	0.18	0.16	0.16
CRMS 0162	0.17	0.18	0.21	0.24	0.25	0.24	0.25	0.20	0.17	0.16	0.12	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00

Figure WQ TOTP 196 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.12	0.10	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.19	0.21	0.22	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.20	0.17	0.16	0.16	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.15	0.14	0.12	0.10	0.09	0.09	0.09	0.09	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.11	0.11	0.10	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.10	0.12	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.13	0.15	0.16	0.16	0.13	0.10	0.10	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.13	0.09	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.15	0.16	0.17	0.17	0.14	0.10	0.10	0.11	0.10	0.14	0.14
CRMS 0224	0.15	0.15	0.15	0.16	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.14
CRMS 0163	0.18	0.22	0.24	0.25	0.26	0.21	0.18	0.17	0.16	0.15	0.17	0.19
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

V3PR9 HYST - cy 4 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.12	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.22	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.21	0.22	0.24	0.20	0.15	0.14	0.15	0.14	0.14	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.15	0.13	0.12	0.10	0.09	0.09	0.09	0.09	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.15	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.13	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.15	0.14	0.13	0.11	0.10	0.11	0.11	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.13	0.11	0.10	0.10	0.10	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.15	0.11	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.10	0.13	0.15	0.15	0.16	0.13	0.10	0.09	0.11	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.13	0.09	0.09	0.11	0.12	0.11	0.10	0.13	0.14
CRMS 0258	0.16	0.15	0.16	0.17	0.17	0.14	0.10	0.10	0.11	0.10	0.13	0.14
CRMS 0224	0.16	0.15	0.15	0.15	0.15	0.12	0.10	0.11	0.12	0.11	0.12	0.14
CRMS 0163	0.18	0.22	0.24	0.24	0.26	0.20	0.17	0.16	0.16	0.15	0.16	0.18
CRMS 0162	0.17	0.21	0.23	0.22	0.24	0.20	0.20	0.16	0.12	0.11	0.13	0.18

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0163	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 197 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.13	0.14	0.15	0.13	0.10	0.10	0.12	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.16	0.17	0.18	0.16	0.13	0.13	0.13	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.11	0.10	0.08	0.08	0.09	0.09	0.09	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.13	0.10	0.07	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.11	0.09	0.09	0.10	0.11	0.11	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.11	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.11	0.09	0.09	0.09	0.10	0.11	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.10	0.08	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.16	0.13	0.13	0.12	0.13	0.10	0.09	0.10	0.11	0.11	0.13	0.13
CRMS 0224	0.15	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.11	0.11	0.13	0.13
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.17	0.14	0.14	0.13	0.16	0.18	0.18
CRMS 0162	0.14	0.17	0.14	0.15	0.16	0.15	0.14	0.12	0.10	0.12	0.15	0.17

V3PR9 HYST - cy 4 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.14	0.10	0.08	0.07	0.07	0.07	0.08	0.08	0.12	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.14	0.14	0.12	0.10	0.10	0.11	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.15	0.16	0.17	0.15	0.12	0.11	0.13	0.14	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.14	0.10	0.09	0.08	0.08	0.09	0.10	0.10	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.14	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.14	0.11	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.11	0.10	0.09	0.09	0.10	0.11	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.11	0.09	0.09	0.09	0.10	0.11	0.10	0.12	0.13
HWQ14 - Lake Washington	0.16	0.16	0.14	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.10	0.08	0.08	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.14	0.13	0.11	0.09	0.09	0.11	0.12	0.11	0.10	0.12	0.14
CRMS 0258	0.17	0.13	0.13	0.12	0.12	0.10	0.09	0.10	0.11	0.11	0.14	0.13
CRMS 0224	0.15	0.13	0.13	0.11	0.11	0.10	0.09	0.11	0.11	0.11	0.13	0.14
CRMS 0163	0.15	0.18	0.18	0.18	0.19	0.17	0.14	0.14	0.13	0.16	0.17	0.17
CRMS 0162	0.13	0.17	0.14	0.16	0.16	0.15	0.14	0.12	0.10	0.12	0.15	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	0.00	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 198 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.12	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.19	0.19	0.18	0.18	0.13	0.13	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.13	0.11	0.10	0.08	0.09	0.09	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.08	0.10	0.10	0.09	0.09	0.12	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.14	0.11	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.14	0.12	0.11	0.11	0.11	0.11	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.13	0.10	0.10	0.10	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.17	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.15	0.13	0.13	0.11	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.13	0.10	0.09	0.12	0.12	0.11	0.10	0.13	0.15
CRMS 0258	0.18	0.17	0.17	0.16	0.15	0.14	0.10	0.11	0.13	0.11	0.13	0.16
CRMS 0224	0.17	0.16	0.16	0.15	0.13	0.12	0.10	0.11	0.12	0.11	0.13	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

V3PR9 HYST - cy 4 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.12	0.09	0.07	0.07	0.08	0.08	0.08	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.18	0.18	0.19	0.18	0.18	0.13	0.13	0.14	0.12	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.17	0.21	0.20	0.21	0.20	0.21	0.17	0.16	0.16	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.16	0.13	0.11	0.10	0.08	0.09	0.09	0.09	0.12	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.18	0.17	0.13	0.09	0.08	0.10	0.10	0.09	0.09	0.12	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.13	0.10	0.10	0.10	0.11	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.16	0.14	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.13	0.10	0.10	0.10	0.11	0.10	0.10	0.11	0.14
HWQ14 - Lake Washington	0.17	0.18	0.16	0.12	0.09	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.15	0.15	0.14	0.13	0.13	0.11	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.17	0.17	0.13	0.10	0.09	0.12	0.12	0.11	0.10	0.13	0.15
CRMS 0258	0.18	0.17	0.17	0.15	0.14	0.14	0.10	0.11	0.13	0.11	0.13	0.15
CRMS 0224	0.17	0.16	0.16	0.14	0.13	0.12	0.10	0.11	0.12	0.10	0.13	0.15
CRMS 0163	0.20	0.24	0.22	0.23	0.23	0.22	0.20	0.19	0.18	0.16	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.21	0.20	0.22	0.23	0.20	0.15	0.14	0.13	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 199 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.14	0.12	0.15	0.19	0.20	0.22	0.16	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.26	0.21	0.18	0.17	0.15	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.16	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.14	0.11	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.11	0.10	0.11	0.12	0.11	0.10	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.14	0.13	0.12	0.12	0.12	0.12	0.12	0.11	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.15	0.12	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.14	0.14	0.11	0.08	0.09	0.10	0.12	0.11	0.10	0.13	0.14
CRMS 0258	0.16	0.14	0.15	0.15	0.16	0.15	0.11	0.11	0.13	0.10	0.13	0.14
CRMS 0224	0.15	0.14	0.15	0.14	0.14	0.13	0.11	0.12	0.12	0.11	0.13	0.14
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.22	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.24	0.26	0.24	0.20	0.14	0.13	0.13	0.21

V3PR9 HYST - cy 4 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.17	0.15	0.11	0.09	0.08	0.07	0.08	0.08	0.08	0.12	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.20	0.21	0.16	0.13	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.17	0.21	0.22	0.25	0.20	0.17	0.16	0.15	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.16	0.12	0.11	0.10	0.09	0.09	0.09	0.09	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.14	0.11	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.12	0.10	0.10	0.11	0.11	0.11	0.10	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.13	0.12	0.12	0.12	0.12	0.12	0.10	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.12	0.10	0.10	0.11	0.11	0.11	0.10	0.11	0.13
HWQ14 - Lake Washington	0.16	0.16	0.15	0.10	0.08	0.08	0.09	0.10	0.09	0.09	0.12	0.15
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.15	0.14	0.11	0.08	0.09	0.10	0.12	0.11	0.11	0.13	0.14
CRMS 0258	0.16	0.14	0.15	0.15	0.16	0.15	0.11	0.11	0.12	0.10	0.12	0.14
CRMS 0224	0.15	0.15	0.15	0.14	0.14	0.13	0.11	0.11	0.12	0.10	0.12	0.14
CRMS 0163	0.17	0.16	0.21	0.23	0.25	0.26	0.21	0.19	0.18	0.16	0.16	0.21
CRMS 0162	0.15	0.13	0.19	0.21	0.23	0.26	0.24	0.20	0.14	0.12	0.13	0.21

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0163	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 200 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.13	0.12	0.09	0.09	0.09	0.10	0.09	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.17	0.21	0.23	0.21	0.16	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.22	0.25	0.26	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.14	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.14	0.12	0.10	0.09	0.10	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.12	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.13	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.13	0.12	0.12	0.14
HWQ14 - Lake Washington	0.18	0.16	0.14	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.16	0.17	0.15	0.13	0.11	0.12	0.10	0.10	0.11
CRMS 3985	0.16	0.16	0.14	0.12	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.16	0.13	0.14	0.18	0.20	0.16	0.12	0.13	0.15	0.13	0.14	0.15
CRMS 0224	0.16	0.13	0.14	0.16	0.18	0.15	0.12	0.13	0.15	0.13	0.13	0.15
CRMS 0163	0.18	0.20	0.24	0.26	0.27	0.24	0.23	0.20	0.19	0.17	0.16	0.16
CRMS 0162	0.16	0.17	0.21	0.24	0.25	0.24	0.24	0.19	0.16	0.15	0.12	0.13

V3PR2 HYST - cy 5 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.27	0.27	0.25	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.16	0.20	0.22	0.19	0.16	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.22	0.25	0.26	0.24	0.21	0.18	0.17	0.15	0.15	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.21	0.24	0.25	0.23	0.22	0.15	0.11	0.14	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.17	0.18	0.19	0.16	0.16	0.13	0.12	0.12	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.16	0.18	0.20	0.17	0.17	0.14	0.13	0.13	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.15	0.17	0.19	0.17	0.16	0.13	0.13	0.13	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.15	0.16	0.14	0.14	0.13	0.12	0.12	0.12	0.15
HWQ14 - Lake Washington	0.17	0.14	0.15	0.15	0.15	0.13	0.13	0.13	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.15	0.17	0.15	0.12	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.14	0.14	0.15	0.15	0.13	0.13	0.12	0.12	0.11	0.13	0.16
CRMS 0258	0.15	0.14	0.16	0.19	0.21	0.20	0.19	0.16	0.15	0.14	0.14	0.15
CRMS 0224	0.15	0.14	0.16	0.19	0.22	0.20	0.19	0.15	0.14	0.14	0.14	0.15
CRMS 0163	0.17	0.19	0.23	0.26	0.26	0.24	0.22	0.19	0.18	0.15	0.16	0.15
CRMS 0162	0.15	0.15	0.20	0.23	0.23	0.23	0.24	0.18	0.13	0.13	0.12	0.12

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.06	0.12	0.14	0.16	0.16	0.16	0.11	0.10	0.10	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.02	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.03	0.08	0.09	0.10	0.11	0.12	0.04	-0.01	0.03	0.03	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.02	0.06	0.10	0.07	0.06	0.02	0.01	0.02	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.03	0.04	0.06	0.05	0.05	0.01	0.00	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.02	0.04	0.03	0.03	0.01	0.00	0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.02	0.03	0.02	0.01	0.01	0.00	0.01	0.00	0.00
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.03	0.04	0.03	0.02	0.01	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.01	0.00	0.03	0.06	0.04	0.02	0.00	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.00	0.01	0.01	0.01	0.04	0.07	0.03	-0.01	0.00	0.00	0.00
CRMS 0224	-0.01	0.01	0.03	0.03	0.04	0.05	0.07	0.02	0.00	0.01	0.01	0.00
CRMS 0163	0.00	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.02	0.00	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.03	-0.02	0.00	-0.01

Figure WQ TOTP 201 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.17	0.15	0.12	0.10	0.09	0.09	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.20	0.21	0.22	0.19	0.13	0.13	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.21	0.23	0.24	0.25	0.21	0.17	0.15	0.15	0.14	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.17	0.17	0.15	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.18	0.15	0.11	0.10	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.17	0.16	0.14	0.13	0.12	0.13	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.17	0.17	0.16	0.14	0.12	0.12	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.16	0.14	0.13	0.12	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.19	0.18	0.18	0.15	0.11	0.10	0.11	0.13	0.12	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.18	0.18	0.18	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.16	0.17	0.19	0.20	0.16	0.12	0.12	0.14	0.12	0.14	0.14
CRMS 0224	0.17	0.16	0.17	0.18	0.18	0.15	0.13	0.13	0.14	0.13	0.14	0.15
CRMS 0163	0.18	0.23	0.25	0.25	0.26	0.21	0.18	0.17	0.16	0.14	0.16	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.19	0.19	0.15	0.11	0.10	0.13	0.17

V3PR2 HYST - cy 5 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.19	0.18	0.17	0.17	0.18	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.18	0.20	0.21	0.17	0.12	0.12	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.21	0.23	0.24	0.25	0.21	0.17	0.15	0.13	0.12	0.15	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.23	0.24	0.24	0.25	0.17	0.15	0.14	0.12	0.13	0.15	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.18	0.18	0.18	0.12	0.10	0.11	0.11	0.10	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.18	0.18	0.19	0.14	0.12	0.12	0.12	0.12	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.17	0.18	0.18	0.14	0.11	0.11	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.16	0.16	0.16	0.13	0.11	0.11	0.12	0.12	0.13	0.14
HWQ14 - Lake Washington	0.15	0.15	0.16	0.15	0.14	0.11	0.11	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.13	0.15	0.16	0.16	0.13	0.09	0.09	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.16	0.15	0.11	0.11	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.15	0.16	0.18	0.19	0.20	0.16	0.12	0.12	0.13	0.12	0.13	0.14
CRMS 0224	0.15	0.17	0.19	0.19	0.21	0.15	0.12	0.13	0.13	0.12	0.13	0.14
CRMS 0163	0.18	0.22	0.25	0.24	0.26	0.21	0.18	0.15	0.12	0.11	0.16	0.19
CRMS 0162	0.15	0.19	0.21	0.21	0.23	0.17	0.17	0.14	0.10	0.10	0.12	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.07	0.09	0.11	0.15	0.11	0.10	0.09	0.07	0.07	0.04	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.05	0.07	0.08	0.10	0.04	0.05	0.03	0.00	0.02	0.01	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.02	0.01	0.03	0.07	0.02	0.00	0.00	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	0.00	0.01	0.02	0.05	0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	0.00	0.01	0.03	0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.01	0.00	0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.03	-0.03	-0.01	0.01	0.03	0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00
CRMS 3985	-0.03	-0.03	-0.02	0.00	0.04	0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.03	0.00	0.00	0.00	0.01	-0.01	0.00	-0.01	-0.01	0.00	-0.01	0.00
CRMS 0224	-0.03	0.01	0.01	0.01	0.03	0.00	-0.01	-0.01	-0.01	0.00	-0.01	0.00
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.04	-0.03	0.00	0.00
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.03

Figure WQ TOTP 202 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.17	0.15	0.12	0.10	0.08	0.08	0.09	0.09	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.18	0.18	0.17	0.13	0.13	0.12	0.15	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.16	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.17	0.15	0.12	0.09	0.09	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.13	0.12	0.11	0.12	0.12	0.13	0.13	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.15	0.13	0.11	0.12	0.11	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.16	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11	0.10	0.11	0.11
CRMS 3985	0.17	0.16	0.15	0.12	0.09	0.10	0.12	0.12	0.12	0.11	0.14	0.15
CRMS 0258	0.18	0.14	0.14	0.14	0.14	0.12	0.11	0.12	0.13	0.13	0.14	0.14
CRMS 0224	0.17	0.14	0.15	0.13	0.14	0.12	0.12	0.13	0.13	0.13	0.14	0.14
CRMS 0163	0.16	0.19	0.19	0.18	0.20	0.17	0.15	0.14	0.12	0.15	0.18	0.18
CRMS 0162	0.13	0.16	0.14	0.15	0.16	0.14	0.13	0.12	0.10	0.11	0.14	0.16

V3PR2 HYST - cy 5 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.19	0.21	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.13	0.14	0.14	0.12	0.10	0.10	0.11	0.11	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.18	0.18	0.17	0.11	0.11	0.11	0.12	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.17	0.16	0.18	0.13	0.14	0.13	0.12	0.12	0.15	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.14	0.12	0.12	0.09	0.10	0.11	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.14	0.12	0.13	0.10	0.11	0.12	0.12	0.12	0.13	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.12	0.12	0.12	0.11	0.10	0.10	0.11	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.12	0.12	0.12	0.13
HWQ14 - Lake Washington	0.16	0.14	0.14	0.11	0.10	0.09	0.11	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.10	0.08	0.08	0.10	0.09	0.10	0.11
CRMS 3985	0.15	0.14	0.14	0.12	0.10	0.09	0.11	0.12	0.11	0.11	0.13	0.14
CRMS 0258	0.15	0.13	0.13	0.13	0.14	0.12	0.11	0.11	0.13	0.12	0.13	0.13
CRMS 0224	0.15	0.14	0.13	0.13	0.14	0.12	0.11	0.12	0.12	0.12	0.13	0.14
CRMS 0163	0.15	0.17	0.18	0.17	0.19	0.16	0.11	0.11	0.11	0.12	0.18	0.18
CRMS 0162	0.11	0.13	0.12	0.12	0.14	0.12	0.11	0.10	0.09	0.10	0.13	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	0.04	0.05	0.08	0.12	0.10	0.09	0.08	0.07	0.07	0.04	0.03
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	0.00	0.00	0.00	0.00	-0.03	-0.02	-0.01	-0.02	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	0.02	0.02	0.03	0.06	0.03	0.04	0.03	0.01	0.01	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.03	-0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.02	-0.01	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.02	-0.01	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.04	-0.02	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.01	-0.01	0.01	0.00	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
CRMS 0258	-0.03	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00
CRMS 0224	-0.02	-0.01	-0.01	-0.01	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0163	-0.01	-0.01	0.00	-0.01	-0.01	0.00	-0.03	-0.03	-0.02	-0.03	0.00	0.00
CRMS 0162	-0.02	-0.03	-0.02	-0.02	-0.02	-0.02	-0.03	-0.02	0.00	-0.02	-0.01	-0.02

Figure WQ TOTP 203 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.20	0.18	0.15	0.11	0.09	0.09	0.10	0.10	0.09	0.13	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.19	0.19	0.20	0.19	0.19	0.14	0.14	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.23	0.22	0.23	0.22	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.19	0.18	0.16	0.13	0.12	0.10	0.11	0.12	0.11	0.14	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.20	0.19	0.16	0.11	0.09	0.11	0.11	0.11	0.10	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.14	0.13	0.13	0.13	0.13	0.12	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.16
HWQ14 - Lake Washington	0.20	0.20	0.19	0.15	0.11	0.10	0.11	0.12	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.12	0.10	0.11	0.12
CRMS 3985	0.19	0.20	0.20	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.17
CRMS 0258	0.19	0.17	0.19	0.18	0.17	0.16	0.12	0.13	0.15	0.13	0.14	0.16
CRMS 0224	0.19	0.17	0.18	0.17	0.16	0.15	0.13	0.14	0.15	0.13	0.14	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.23	0.21	0.19	0.18	0.16	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.20	0.20	0.22	0.22	0.19	0.14	0.13	0.12	0.14

V3PR2 HYST - cy 5 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.18	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.18	0.18	0.17	0.17	0.14	0.14	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.22	0.22	0.22	0.22	0.22	0.18	0.18	0.15	0.13	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.24	0.22	0.23	0.23	0.23	0.22	0.17	0.12	0.13	0.15	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.19	0.17	0.16	0.14	0.13	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.19	0.17	0.17	0.16	0.15	0.14	0.12	0.12	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.15	0.17	0.18	0.16	0.16	0.15	0.14	0.13	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.15	0.14	0.13	0.12	0.13	0.12	0.11	0.12	0.15
HWQ14 - Lake Washington	0.17	0.17	0.18	0.15	0.13	0.12	0.12	0.13	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.12	0.14	0.15	0.14	0.13	0.13	0.11	0.10	0.11	0.09	0.10	0.11
CRMS 3985	0.17	0.17	0.18	0.15	0.13	0.11	0.11	0.12	0.11	0.11	0.14	0.16
CRMS 0258	0.18	0.18	0.18	0.18	0.17	0.18	0.18	0.16	0.14	0.12	0.14	0.15
CRMS 0224	0.17	0.18	0.19	0.18	0.18	0.19	0.17	0.16	0.14	0.12	0.14	0.15
CRMS 0163	0.20	0.24	0.23	0.22	0.23	0.22	0.20	0.19	0.15	0.13	0.16	0.16
CRMS 0162	0.18	0.21	0.18	0.19	0.19	0.21	0.21	0.18	0.12	0.11	0.12	0.12

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.06	0.06	0.10	0.14	0.15	0.14	0.11	0.08	0.08	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.02	-0.01	-0.01	-0.01	-0.02	0.00	0.00	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.05	0.04	0.07	0.09	0.10	0.12	0.06	0.00	0.02	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.02	-0.01	0.02	0.05	0.04	0.02	0.01	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.00	0.01	0.03	0.04	0.02	0.01	-0.01	-0.01	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.00	0.00	0.02	0.02	0.01	0.00	-0.01	-0.01	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	-0.01	0.00	0.01	0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.03	-0.03	-0.01	0.00	0.02	0.02	0.01	0.00	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
CRMS 3985	-0.03	-0.03	-0.02	-0.01	0.02	0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01
CRMS 0258	-0.02	0.00	0.00	0.00	0.00	0.02	0.05	0.03	-0.01	-0.01	0.00	-0.01
CRMS 0224	-0.01	0.01	0.00	0.01	0.02	0.04	0.05	0.02	-0.01	-0.01	0.00	-0.01
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.03	-0.03	0.00	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	0.00	-0.02

Figure WQ TOTP 204 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.13	0.11	0.10	0.09	0.10	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.19	0.21	0.23	0.16	0.14	0.15	0.13	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.15	0.20	0.23	0.25	0.26	0.21	0.18	0.17	0.15	0.15	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.17	0.14	0.14	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.16	0.13	0.10	0.09	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.17	0.14	0.13	0.13	0.13	0.14	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.16	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.14	0.15	0.16	0.13	0.11	0.12	0.10	0.10	0.12
CRMS 3985	0.17	0.17	0.15	0.13	0.09	0.10	0.13	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.15	0.15	0.17	0.18	0.18	0.13	0.13	0.15	0.13	0.14	0.14
CRMS 0224	0.17	0.15	0.16	0.16	0.16	0.16	0.13	0.14	0.15	0.13	0.14	0.15
CRMS 0163	0.17	0.16	0.22	0.24	0.26	0.26	0.22	0.19	0.18	0.15	0.16	0.22
CRMS 0162	0.15	0.12	0.19	0.21	0.24	0.26	0.23	0.19	0.14	0.12	0.12	0.21

V3PR2 HYST - cy 5 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.25	0.27	0.27	0.24	0.20	0.18	0.17	0.18	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.20	0.21	0.16	0.14	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.13	0.20	0.22	0.24	0.26	0.20	0.18	0.15	0.13	0.15	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.22	0.23	0.25	0.25	0.22	0.15	0.12	0.13	0.15	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.15	0.16	0.17	0.16	0.14	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.16	0.16	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.14	0.15	0.16	0.18	0.15	0.13	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.14	0.14	0.14	0.14	0.14	0.12	0.12	0.11	0.12	0.14
HWQ14 - Lake Washington	0.15	0.15	0.15	0.13	0.13	0.12	0.13	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.12	0.13	0.14	0.15	0.12	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.15	0.14	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.14	0.15
CRMS 0258	0.14	0.13	0.15	0.17	0.18	0.21	0.19	0.14	0.14	0.12	0.13	0.15
CRMS 0224	0.14	0.14	0.16	0.17	0.19	0.22	0.19	0.14	0.14	0.12	0.13	0.16
CRMS 0163	0.17	0.14	0.22	0.22	0.26	0.26	0.21	0.19	0.14	0.12	0.16	0.22
CRMS 0162	0.14	0.11	0.17	0.19	0.23	0.25	0.22	0.17	0.12	0.10	0.12	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.01	0.08	0.12	0.16	0.17	0.14	0.10	0.08	0.07	0.04	0.08
CRMS0276 - Just east of Wilkinson Canal	-0.02	0.00	-0.01	-0.01	-0.01	-0.02	0.00	0.00	-0.01	-0.01	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.02	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.03	0.05	0.09	0.10	0.12	0.12	0.04	0.00	0.02	0.01	0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.03	-0.01	0.04	0.07	0.07	0.02	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	-0.01	0.02	0.04	0.06	0.03	0.00	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.01	0.01	0.02	0.03	0.02	0.00	-0.01	-0.01	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.02	0.00	0.01	0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.04	-0.03	-0.03	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
CRMS 3985	-0.03	-0.02	-0.01	0.01	0.04	0.03	-0.01	-0.01	0.00	0.00	0.00	-0.01
CRMS 0258	-0.03	-0.01	-0.01	0.00	0.00	0.04	0.06	0.01	-0.01	-0.01	-0.01	0.01
CRMS 0224	-0.03	-0.02	-0.01	0.01	0.02	0.06	0.05	0.00	-0.01	-0.01	-0.01	0.01
CRMS 0163	0.00	-0.02	0.00	-0.01	0.00	0.00	0.00	0.00	-0.03	-0.03	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	-0.01	-0.01	-0.02	-0.01	0.00	-0.02

Figure WQ TOTP 205 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.13	0.12	0.09	0.09	0.09	0.10	0.09	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.17	0.21	0.23	0.21	0.16	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.22	0.25	0.26	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.14	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.14	0.12	0.10	0.09	0.10	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.12	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.13	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.13	0.12	0.12	0.14
HWQ14 - Lake Washington	0.18	0.16	0.14	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.16	0.17	0.15	0.13	0.11	0.12	0.10	0.10	0.11
CRMS 3985	0.16	0.16	0.14	0.12	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.16	0.13	0.14	0.18	0.20	0.16	0.12	0.13	0.15	0.13	0.14	0.15
CRMS 0224	0.16	0.13	0.14	0.16	0.18	0.15	0.12	0.13	0.15	0.13	0.13	0.15
CRMS 0163	0.18	0.20	0.24	0.26	0.27	0.24	0.23	0.20	0.19	0.17	0.16	0.16
CRMS 0162	0.16	0.17	0.21	0.24	0.25	0.24	0.24	0.19	0.16	0.15	0.12	0.13

V3PR3 HYST - cy 5 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.27	0.27	0.25	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.16	0.20	0.22	0.19	0.16	0.15	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.22	0.25	0.26	0.24	0.21	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.22	0.24	0.25	0.24	0.23	0.16	0.13	0.15	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.16	0.18	0.19	0.15	0.15	0.12	0.12	0.11	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.14	0.17	0.18	0.20	0.17	0.17	0.14	0.13	0.13	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.15	0.17	0.19	0.17	0.16	0.14	0.13	0.13	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.15	0.15	0.16	0.14	0.14	0.13	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.17	0.15	0.15	0.15	0.15	0.13	0.13	0.13	0.11	0.12	0.13	0.17
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.15	0.17	0.15	0.12	0.11	0.12	0.10	0.10	0.12
CRMS 3985	0.16	0.14	0.14	0.15	0.15	0.12	0.12	0.12	0.12	0.11	0.13	0.16
CRMS 0258	0.15	0.14	0.16	0.19	0.21	0.20	0.20	0.16	0.15	0.14	0.14	0.15
CRMS 0224	0.16	0.14	0.16	0.19	0.22	0.20	0.19	0.16	0.14	0.14	0.14	0.15
CRMS 0163	0.17	0.19	0.23	0.26	0.26	0.24	0.22	0.19	0.18	0.16	0.16	0.15
CRMS 0162	0.15	0.15	0.20	0.23	0.23	0.23	0.24	0.18	0.14	0.13	0.12	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.06	0.12	0.14	0.16	0.16	0.16	0.11	0.10	0.10	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.01	-0.01	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.03	0.09	0.10	0.10	0.12	0.13	0.05	0.01	0.04	0.03	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.02	0.06	0.09	0.07	0.05	0.01	0.01	0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.03	0.05	0.07	0.05	0.05	0.02	0.00	0.02	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.02	0.02	0.04	0.03	0.03	0.01	0.00	0.01	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.01	0.02	0.03	0.02	0.01	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.03	0.04	0.03	0.02	0.01	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.00	0.02	0.05	0.03	0.02	0.00	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.01	0.02	0.01	0.01	0.04	0.08	0.03	-0.01	0.01	0.01	0.00
CRMS 0224	0.00	0.01	0.03	0.03	0.04	0.06	0.07	0.03	0.00	0.01	0.01	0.00
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.02	0.00	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.02	-0.02	0.00	0.00

Figure WQ TOTP 206 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.17	0.15	0.12	0.10	0.09	0.09	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.20	0.21	0.22	0.19	0.13	0.13	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.21	0.23	0.24	0.25	0.21	0.17	0.15	0.15	0.14	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.17	0.17	0.15	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.18	0.15	0.11	0.10	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.17	0.16	0.14	0.13	0.12	0.13	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.17	0.17	0.16	0.14	0.12	0.12	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.16	0.14	0.13	0.12	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.19	0.18	0.18	0.15	0.11	0.10	0.11	0.13	0.12	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.18	0.18	0.18	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.16	0.17	0.19	0.20	0.16	0.12	0.12	0.14	0.12	0.14	0.14
CRMS 0224	0.17	0.16	0.17	0.18	0.18	0.15	0.13	0.13	0.14	0.13	0.14	0.15
CRMS 0163	0.18	0.23	0.25	0.25	0.26	0.21	0.18	0.17	0.16	0.14	0.16	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.19	0.19	0.15	0.11	0.10	0.13	0.17

V3PR3 HYST - cy 5 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.20	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.18	0.20	0.21	0.17	0.12	0.12	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.21	0.16	0.15	0.13	0.12	0.14	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.21	0.23	0.24	0.25	0.16	0.14	0.13	0.11	0.12	0.15	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.18	0.18	0.18	0.12	0.11	0.12	0.11	0.10	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.16	0.19	0.19	0.20	0.14	0.12	0.13	0.12	0.12	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.15	0.17	0.18	0.18	0.15	0.11	0.11	0.12	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.16	0.16	0.16	0.13	0.11	0.12	0.12	0.12	0.13	0.14
HWQ14 - Lake Washington	0.16	0.15	0.17	0.16	0.14	0.11	0.11	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.13	0.15	0.15	0.16	0.13	0.09	0.09	0.11	0.10	0.10	0.11
CRMS 3985	0.15	0.15	0.16	0.16	0.14	0.11	0.11	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.15	0.16	0.18	0.19	0.20	0.16	0.12	0.12	0.13	0.12	0.13	0.14
CRMS 0224	0.15	0.16	0.18	0.19	0.21	0.16	0.12	0.13	0.13	0.13	0.14	0.14
CRMS 0163	0.18	0.22	0.24	0.24	0.26	0.21	0.18	0.16	0.12	0.12	0.16	0.18
CRMS 0162	0.15	0.19	0.21	0.21	0.23	0.18	0.17	0.14	0.10	0.10	0.12	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.07	0.09	0.11	0.15	0.11	0.11	0.09	0.07	0.07	0.04	0.04
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.02	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.04	0.07	0.07	0.10	0.04	0.03	0.02	-0.01	0.01	0.01	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.02	0.01	0.03	0.07	0.02	0.00	0.00	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	0.00	0.01	0.02	0.05	0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	0.00	0.01	0.03	0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.00	0.01	0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01
HWQ14 - Lake Washington	-0.03	-0.03	-0.01	0.01	0.03	0.01	0.00	0.00	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.03	-0.02	0.00	0.03	0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01
CRMS 0258	-0.03	0.00	0.00	0.00	0.01	-0.01	0.00	0.00	-0.01	0.00	-0.01	0.00
CRMS 0224	-0.02	0.00	0.01	0.01	0.03	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.03	-0.02	0.00	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02

Figure WQ TOTP 207 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.17	0.15	0.12	0.10	0.08	0.08	0.09	0.09	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.18	0.18	0.17	0.13	0.13	0.12	0.15	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.16	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.17	0.15	0.12	0.09	0.09	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.13	0.12	0.11	0.12	0.12	0.13	0.13	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.15	0.13	0.11	0.12	0.11	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.16	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11	0.10	0.11	0.11
CRMS 3985	0.17	0.16	0.15	0.12	0.09	0.10	0.12	0.12	0.12	0.11	0.14	0.15
CRMS 0258	0.18	0.14	0.14	0.14	0.14	0.12	0.11	0.12	0.13	0.13	0.14	0.14
CRMS 0224	0.17	0.14	0.15	0.13	0.14	0.12	0.12	0.13	0.13	0.13	0.14	0.14
CRMS 0163	0.16	0.19	0.19	0.18	0.20	0.17	0.15	0.14	0.12	0.15	0.18	0.18
CRMS 0162	0.13	0.16	0.14	0.15	0.16	0.14	0.13	0.12	0.10	0.11	0.14	0.16

V3PR3 HYST - cy 5 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.21	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.14	0.14	0.12	0.10	0.10	0.11	0.11	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.17	0.17	0.18	0.17	0.11	0.11	0.11	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.16	0.15	0.17	0.12	0.12	0.12	0.11	0.12	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.14	0.12	0.12	0.09	0.10	0.11	0.10	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.12	0.13	0.11	0.11	0.12	0.12	0.12	0.13	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.12	0.12	0.11	0.10	0.11	0.12	0.12	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.13	0.11	0.11	0.10	0.10	0.11	0.12	0.12	0.13	0.14
HWQ14 - Lake Washington	0.16	0.14	0.14	0.11	0.10	0.09	0.11	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.10	0.08	0.08	0.10	0.10	0.10	0.11
CRMS 3985	0.15	0.14	0.14	0.12	0.10	0.09	0.11	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.15	0.13	0.13	0.13	0.14	0.12	0.11	0.12	0.12	0.12	0.13	0.14
CRMS 0224	0.15	0.13	0.13	0.13	0.14	0.12	0.12	0.12	0.13	0.13	0.13	0.14
CRMS 0163	0.15	0.17	0.18	0.17	0.19	0.17	0.12	0.11	0.11	0.13	0.18	0.18
CRMS 0162	0.12	0.14	0.13	0.13	0.14	0.12	0.11	0.11	0.10	0.10	0.13	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	0.03	0.04	0.08	0.12	0.10	0.09	0.08	0.07	0.08	0.04	0.03
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.02	-0.02	-0.01	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	0.00	0.01	0.02	0.05	0.01	0.02	0.01	0.00	0.01	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.03	-0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.02	-0.01	0.02	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	-0.02	-0.01	0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.04	-0.02	-0.01	0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.02	-0.01	-0.01	0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0258	-0.02	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0224	-0.02	-0.01	-0.01	-0.01	0.01	-0.01	0.00	0.00	-0.01	0.00	-0.01	0.00
CRMS 0163	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	-0.03	-0.03	-0.01	-0.03	0.00	0.00
CRMS 0162	-0.02	-0.03	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	-0.02

Figure WQ TOTP 208 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.20	0.18	0.15	0.11	0.09	0.09	0.10	0.10	0.09	0.13	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.19	0.19	0.20	0.19	0.19	0.14	0.14	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.23	0.22	0.23	0.22	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.19	0.18	0.16	0.13	0.12	0.10	0.11	0.12	0.11	0.14	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.20	0.19	0.16	0.11	0.09	0.11	0.11	0.11	0.10	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.14	0.13	0.13	0.13	0.13	0.12	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.16
HWQ14 - Lake Washington	0.20	0.20	0.19	0.15	0.11	0.10	0.11	0.12	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.12	0.10	0.11	0.12
CRMS 3985	0.19	0.20	0.20	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.17
CRMS 0258	0.19	0.17	0.19	0.18	0.17	0.16	0.12	0.13	0.15	0.13	0.14	0.16
CRMS 0224	0.19	0.17	0.18	0.17	0.16	0.15	0.13	0.14	0.15	0.13	0.14	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.23	0.21	0.19	0.18	0.16	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.20	0.20	0.22	0.22	0.19	0.14	0.13	0.12	0.14

V3PR3 HYST - cy 5 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.23	0.21	0.18	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.18	0.18	0.17	0.17	0.14	0.14	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.22	0.21	0.22	0.21	0.22	0.18	0.17	0.16	0.14	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.23	0.21	0.22	0.22	0.22	0.21	0.16	0.11	0.12	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.19	0.17	0.16	0.14	0.13	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.18	0.19	0.18	0.17	0.16	0.15	0.14	0.12	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.17	0.18	0.16	0.16	0.15	0.14	0.13	0.12	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.17	0.18	0.15	0.13	0.12	0.12	0.13	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.12	0.14	0.15	0.14	0.13	0.13	0.11	0.10	0.11	0.10	0.10	0.11
CRMS 3985	0.17	0.17	0.18	0.15	0.13	0.11	0.11	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.18	0.18	0.18	0.18	0.17	0.18	0.18	0.16	0.14	0.12	0.14	0.15
CRMS 0224	0.18	0.18	0.19	0.18	0.18	0.18	0.17	0.16	0.14	0.12	0.14	0.15
CRMS 0163	0.20	0.24	0.22	0.22	0.23	0.22	0.20	0.19	0.16	0.14	0.16	0.16
CRMS 0162	0.19	0.22	0.19	0.19	0.19	0.21	0.22	0.18	0.13	0.12	0.12	0.12

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.06	0.06	0.10	0.14	0.15	0.14	0.12	0.08	0.08	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.02	-0.01	-0.01	-0.02	-0.02	0.00	0.00	-0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.04	0.03	0.07	0.09	0.10	0.11	0.05	-0.01	0.01	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.02	-0.01	0.02	0.05	0.04	0.02	0.01	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.00	0.01	0.03	0.04	0.03	0.01	-0.01	-0.01	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.00	0.00	0.02	0.02	0.01	0.01	-0.01	-0.01	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	-0.01	0.00	0.01	0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.03	-0.03	-0.01	0.00	0.02	0.02	0.01	0.00	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.03	-0.02	-0.01	0.02	0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.02	0.00	0.00	0.00	0.00	0.02	0.05	0.03	-0.01	-0.01	-0.01	-0.01
CRMS 0224	-0.01	0.01	0.00	0.01	0.02	0.04	0.04	0.02	-0.01	-0.01	0.00	-0.01
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.02	-0.02	0.00	-0.01
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	-0.01

Figure WQ TOTP 209 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.13	0.11	0.10	0.09	0.10	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.19	0.21	0.23	0.16	0.14	0.15	0.13	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.15	0.20	0.23	0.25	0.26	0.21	0.18	0.17	0.15	0.15	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.17	0.14	0.14	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.16	0.13	0.10	0.09	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.17	0.14	0.13	0.13	0.13	0.14	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.16	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.14	0.15	0.16	0.13	0.11	0.12	0.10	0.10	0.12
CRMS 3985	0.17	0.17	0.15	0.13	0.09	0.10	0.13	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.15	0.15	0.17	0.18	0.18	0.13	0.13	0.15	0.13	0.14	0.14
CRMS 0224	0.17	0.15	0.16	0.16	0.16	0.16	0.13	0.14	0.15	0.13	0.14	0.15
CRMS 0163	0.17	0.16	0.22	0.24	0.26	0.26	0.22	0.19	0.18	0.15	0.16	0.22
CRMS 0162	0.15	0.12	0.19	0.21	0.24	0.26	0.23	0.19	0.14	0.12	0.12	0.21

V3PR3 HYST - cy 5 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.24	0.25	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.21	0.16	0.14	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.13	0.19	0.22	0.24	0.26	0.20	0.18	0.15	0.13	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.21	0.22	0.24	0.25	0.22	0.13	0.11	0.12	0.15	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.16	0.16	0.17	0.16	0.14	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.16	0.16	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.14	0.15	0.16	0.18	0.15	0.13	0.12	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.14	0.14	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.14
HWQ14 - Lake Washington	0.15	0.15	0.15	0.14	0.13	0.13	0.13	0.13	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.12	0.13	0.14	0.16	0.12	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.15	0.15	0.14	0.13	0.13	0.12	0.12	0.12	0.12	0.11	0.13	0.15
CRMS 0258	0.14	0.14	0.15	0.17	0.18	0.22	0.19	0.14	0.14	0.12	0.13	0.15
CRMS 0224	0.14	0.14	0.16	0.17	0.19	0.22	0.18	0.14	0.14	0.12	0.13	0.16
CRMS 0163	0.17	0.14	0.22	0.22	0.25	0.26	0.21	0.19	0.15	0.12	0.16	0.21
CRMS 0162	0.14	0.12	0.17	0.20	0.22	0.25	0.23	0.18	0.12	0.10	0.12	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.01	0.08	0.12	0.16	0.17	0.14	0.10	0.08	0.07	0.04	0.08
CRMS0276 - Just east of Wilkinson Canal	-0.02	0.00	-0.01	-0.01	-0.01	-0.02	0.00	0.00	-0.01	-0.01	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.02	-0.02	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.03	0.04	0.08	0.10	0.12	0.11	0.02	-0.01	0.01	0.02	0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.03	0.00	0.04	0.07	0.07	0.03	0.00	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.01	0.02	0.04	0.06	0.03	0.00	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.01	0.01	0.02	0.03	0.02	0.00	-0.01	-0.01	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.02	0.00	0.01	0.01	0.01	-0.01	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.03	-0.03	-0.02	0.01	0.03	0.03	0.01	0.00	0.00	0.00	0.00	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
CRMS 3985	-0.03	-0.02	-0.01	0.01	0.04	0.03	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.03	-0.01	-0.01	0.00	0.00	0.04	0.06	0.01	-0.01	-0.01	-0.01	0.01
CRMS 0224	-0.03	-0.02	-0.01	0.01	0.02	0.06	0.05	0.00	-0.01	-0.01	0.00	0.01
CRMS 0163	-0.01	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.03	-0.03	0.00	-0.01
CRMS 0162	-0.01	-0.01	-0.02	-0.01	-0.02	0.00	0.00	-0.01	-0.02	-0.01	0.00	-0.02

Figure WQ TOTP 210 - Monthly Average Total Phosphorus (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.13	0.12	0.09	0.09	0.09	0.10	0.09	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.17	0.21	0.23	0.21	0.16	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.22	0.25	0.26	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.14	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.14	0.12	0.10	0.09	0.10	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.12	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.13	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.13	0.12	0.12	0.14
HWQ14 - Lake Washington	0.18	0.16	0.14	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.16	0.17	0.15	0.13	0.11	0.12	0.10	0.10	0.11
CRMS 3985	0.16	0.16	0.14	0.12	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.16	0.13	0.14	0.18	0.20	0.16	0.12	0.13	0.15	0.13	0.14	0.15
CRMS 0224	0.16	0.13	0.14	0.16	0.18	0.15	0.12	0.13	0.15	0.13	0.13	0.15
CRMS 0163	0.18	0.20	0.24	0.26	0.27	0.24	0.23	0.20	0.19	0.17	0.16	0.16
CRMS 0162	0.16	0.17	0.21	0.24	0.25	0.24	0.24	0.19	0.16	0.15	0.12	0.13

V3PR4 HYST - cy 5 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.27	0.27	0.26	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.16	0.20	0.22	0.19	0.17	0.15	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.22	0.25	0.26	0.24	0.21	0.18	0.17	0.15	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.22	0.24	0.25	0.23	0.22	0.16	0.12	0.15	0.17	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.17	0.19	0.20	0.17	0.15	0.12	0.11	0.11	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.19	0.20	0.22	0.20	0.19	0.15	0.13	0.14	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.17	0.19	0.21	0.19	0.18	0.14	0.13	0.13	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.16	0.17	0.18	0.15	0.15	0.13	0.12	0.13	0.13	0.15
HWQ14 - Lake Washington	0.17	0.15	0.15	0.16	0.16	0.14	0.14	0.13	0.11	0.12	0.13	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.16	0.18	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.16	0.14	0.14	0.15	0.16	0.13	0.13	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.15	0.14	0.17	0.19	0.22	0.21	0.21	0.16	0.15	0.14	0.14	0.15
CRMS 0224	0.16	0.15	0.18	0.20	0.23	0.21	0.21	0.16	0.14	0.14	0.14	0.15
CRMS 0163	0.17	0.19	0.23	0.26	0.26	0.24	0.22	0.19	0.18	0.15	0.16	0.15
CRMS 0162	0.15	0.15	0.19	0.23	0.23	0.23	0.24	0.18	0.13	0.13	0.12	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.06	0.12	0.15	0.16	0.16	0.16	0.11	0.10	0.10	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	0.01	0.01	-0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.03	0.08	0.10	0.10	0.11	0.13	0.05	0.00	0.04	0.04	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.03	0.07	0.10	0.08	0.05	0.01	0.01	0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.05	0.07	0.09	0.08	0.07	0.02	0.00	0.02	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.03	0.04	0.06	0.05	0.05	0.02	0.00	0.01	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.02	0.03	0.04	0.03	0.03	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.01	0.04	0.06	0.04	0.03	0.01	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.01	0.00	0.03	0.06	0.04	0.02	0.00	0.00	0.00	0.00	0.01
CRMS 0258	-0.01	0.01	0.02	0.02	0.02	0.05	0.08	0.04	-0.01	0.01	0.00	0.00
CRMS 0224	0.00	0.02	0.04	0.04	0.05	0.07	0.08	0.03	-0.01	0.01	0.01	0.00
CRMS 0163	0.00	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.00	-0.01	-0.02	0.00	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.02	-0.01	0.00	-0.01	-0.03	-0.02	0.00	0.00

Figure WQ TOTP 211 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.17	0.15	0.12	0.10	0.09	0.09	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.20	0.21	0.22	0.19	0.13	0.13	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.21	0.23	0.24	0.25	0.21	0.17	0.15	0.15	0.14	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.17	0.17	0.15	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.18	0.15	0.11	0.10	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.17	0.16	0.14	0.13	0.12	0.13	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.17	0.17	0.16	0.14	0.12	0.12	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.16	0.14	0.13	0.12	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.19	0.18	0.18	0.15	0.11	0.10	0.11	0.13	0.12	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.18	0.18	0.18	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.16	0.17	0.19	0.20	0.16	0.12	0.12	0.14	0.12	0.14	0.14
CRMS 0224	0.17	0.16	0.17	0.18	0.18	0.15	0.13	0.13	0.14	0.13	0.14	0.15
CRMS 0163	0.18	0.23	0.25	0.25	0.26	0.21	0.18	0.17	0.16	0.14	0.16	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.19	0.19	0.15	0.11	0.10	0.13	0.17

V3PR4 HYST - cy 5 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.19	0.19	0.17	0.17	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.18	0.20	0.21	0.18	0.12	0.12	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.21	0.17	0.15	0.13	0.12	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.21	0.23	0.23	0.25	0.16	0.14	0.13	0.10	0.12	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.19	0.19	0.20	0.12	0.10	0.11	0.09	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.20	0.20	0.22	0.15	0.12	0.12	0.12	0.12	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.16	0.19	0.19	0.20	0.15	0.12	0.11	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.18	0.17	0.17	0.14	0.11	0.12	0.12	0.12	0.13	0.14
HWQ14 - Lake Washington	0.15	0.16	0.17	0.16	0.16	0.12	0.11	0.12	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.13	0.15	0.16	0.16	0.14	0.10	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.15	0.16	0.16	0.15	0.11	0.11	0.10	0.09	0.09	0.12	0.14
CRMS 0258	0.15	0.17	0.19	0.20	0.21	0.16	0.12	0.12	0.13	0.12	0.13	0.14
CRMS 0224	0.15	0.18	0.20	0.20	0.22	0.16	0.12	0.13	0.13	0.12	0.13	0.15
CRMS 0163	0.18	0.22	0.24	0.24	0.26	0.21	0.18	0.16	0.12	0.12	0.16	0.18
CRMS 0162	0.15	0.19	0.21	0.21	0.23	0.18	0.17	0.14	0.11	0.10	0.12	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.07	0.10	0.11	0.15	0.11	0.11	0.09	0.08	0.08	0.04	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.02	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.04	0.06	0.07	0.10	0.04	0.03	0.02	-0.01	0.01	0.02	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.01	0.01	0.04	0.09	0.02	0.00	-0.01	-0.02	-0.01	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	0.01	0.03	0.04	0.07	0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.00	0.02	0.02	0.05	0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	0.01	0.01	0.03	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.04	-0.03	-0.01	0.01	0.04	0.02	0.00	-0.01	-0.01	-0.01	-0.01	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.03	-0.02	0.00	0.04	0.01	-0.01	-0.03	-0.03	-0.02	-0.02	-0.02
CRMS 0258	-0.03	0.01	0.01	0.01	0.02	-0.01	0.00	-0.01	-0.01	0.00	-0.01	0.00
CRMS 0224	-0.02	0.02	0.03	0.02	0.04	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.03	-0.02	0.00	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	-0.03

Figure WQ TOTP 212 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.17	0.15	0.12	0.10	0.08	0.08	0.09	0.09	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.18	0.18	0.17	0.13	0.13	0.12	0.15	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.16	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.17	0.15	0.12	0.09	0.09	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.13	0.12	0.11	0.12	0.12	0.13	0.13	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.15	0.13	0.11	0.12	0.11	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.16	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11	0.10	0.11	0.11
CRMS 3985	0.17	0.16	0.15	0.12	0.09	0.10	0.12	0.12	0.12	0.11	0.14	0.15
CRMS 0258	0.18	0.14	0.14	0.14	0.14	0.12	0.11	0.12	0.13	0.13	0.14	0.14
CRMS 0224	0.17	0.14	0.15	0.13	0.14	0.12	0.12	0.13	0.13	0.13	0.14	0.14
CRMS 0163	0.16	0.19	0.19	0.18	0.20	0.17	0.15	0.14	0.12	0.15	0.18	0.18
CRMS 0162	0.13	0.16	0.14	0.15	0.16	0.14	0.13	0.12	0.10	0.11	0.14	0.16

V3PR4 HYST - cy 5 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.21	0.18	0.17	0.17	0.17	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.14	0.14	0.12	0.10	0.10	0.11	0.11	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.17	0.18	0.18	0.17	0.12	0.11	0.11	0.13	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.16	0.15	0.17	0.11	0.12	0.12	0.11	0.12	0.15	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.14	0.12	0.12	0.09	0.10	0.10	0.09	0.09	0.12	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.13	0.14	0.11	0.11	0.12	0.12	0.12	0.13	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.12	0.13	0.11	0.10	0.11	0.11	0.12	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.12	0.12	0.13	0.13
HWQ14 - Lake Washington	0.16	0.14	0.14	0.11	0.11	0.09	0.11	0.12	0.10	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.08	0.10	0.10	0.11	0.11
CRMS 3985	0.15	0.14	0.14	0.12	0.10	0.09	0.11	0.10	0.08	0.09	0.11	0.14
CRMS 0258	0.15	0.13	0.13	0.13	0.14	0.11	0.11	0.11	0.12	0.12	0.14	0.14
CRMS 0224	0.15	0.14	0.14	0.13	0.15	0.12	0.11	0.12	0.12	0.12	0.13	0.14
CRMS 0163	0.15	0.17	0.18	0.18	0.19	0.17	0.12	0.11	0.11	0.13	0.18	0.18
CRMS 0162	0.12	0.13	0.13	0.13	0.14	0.12	0.11	0.11	0.10	0.10	0.13	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	0.04	0.05	0.08	0.12	0.10	0.08	0.08	0.07	0.08	0.05	0.03
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.02	-0.02	-0.01	-0.02	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.00	0.01	0.03	0.05	0.01	0.03	0.01	-0.01	0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.03	-0.01	0.01	0.03	0.00	0.00	-0.01	-0.02	-0.01	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.01	0.00	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.02	-0.01	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.04	-0.02	-0.01	0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01
CRMS 3985	-0.02	-0.03	-0.01	-0.01	0.01	0.00	-0.01	-0.03	-0.04	-0.03	-0.02	-0.01
CRMS 0258	-0.03	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	0.00
CRMS 0224	-0.02	-0.01	-0.01	0.00	0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.02	-0.03	-0.01	-0.02	0.00	0.00
CRMS 0162	-0.02	-0.03	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	-0.02

Figure WQ TOTP 213 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.20	0.18	0.15	0.11	0.09	0.09	0.10	0.10	0.09	0.13	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.19	0.19	0.20	0.19	0.19	0.14	0.14	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.23	0.22	0.23	0.22	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.19	0.18	0.16	0.13	0.12	0.10	0.11	0.12	0.11	0.14	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.20	0.19	0.16	0.11	0.09	0.11	0.11	0.11	0.10	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.14	0.13	0.13	0.13	0.13	0.12	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.16
HWQ14 - Lake Washington	0.20	0.20	0.19	0.15	0.11	0.10	0.11	0.12	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.12	0.10	0.11	0.12
CRMS 3985	0.19	0.20	0.20	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.17
CRMS 0258	0.19	0.17	0.19	0.18	0.17	0.16	0.12	0.13	0.15	0.13	0.14	0.16
CRMS 0224	0.19	0.17	0.18	0.17	0.16	0.15	0.13	0.14	0.15	0.13	0.14	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.23	0.21	0.19	0.18	0.16	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.20	0.20	0.22	0.22	0.19	0.14	0.13	0.12	0.14

V3PR4 HYST - cy 5 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.17	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.18	0.18	0.17	0.18	0.15	0.14	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.22	0.21	0.22	0.21	0.22	0.18	0.18	0.16	0.14	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.23	0.21	0.22	0.22	0.22	0.20	0.16	0.11	0.11	0.17	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.19	0.19	0.18	0.17	0.15	0.13	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.20	0.20	0.19	0.18	0.18	0.17	0.15	0.12	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.18	0.18	0.18	0.17	0.17	0.15	0.14	0.12	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.17	0.17	0.18	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.13	0.15
HWQ14 - Lake Washington	0.18	0.17	0.18	0.16	0.14	0.13	0.13	0.13	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.11	0.10	0.10	0.11
CRMS 3985	0.17	0.17	0.18	0.16	0.13	0.12	0.11	0.11	0.11	0.11	0.13	0.16
CRMS 0258	0.18	0.18	0.19	0.18	0.18	0.19	0.18	0.16	0.14	0.12	0.14	0.15
CRMS 0224	0.18	0.20	0.19	0.19	0.19	0.19	0.18	0.16	0.13	0.12	0.14	0.15
CRMS 0163	0.20	0.24	0.22	0.22	0.23	0.22	0.20	0.19	0.16	0.14	0.16	0.16
CRMS 0162	0.18	0.22	0.19	0.19	0.19	0.21	0.21	0.18	0.12	0.11	0.12	0.12

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.06	0.10	0.14	0.15	0.14	0.12	0.08	0.08	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.02	-0.01	-0.01	-0.02	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.04	0.03	0.06	0.08	0.09	0.10	0.04	-0.02	0.01	0.03	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.01	0.02	0.06	0.05	0.02	0.01	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.02	0.01	0.03	0.05	0.06	0.04	0.02	-0.01	-0.01	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.01	0.02	0.03	0.04	0.02	0.01	-0.01	-0.01	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.01	0.02	0.02	0.01	0.00	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.02	-0.01	0.00	0.03	0.03	0.01	0.00	-0.01	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.03	-0.02	-0.01	0.02	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0258	-0.01	0.01	0.00	0.01	0.01	0.03	0.06	0.03	-0.01	-0.01	0.00	0.00
CRMS 0224	0.00	0.02	0.01	0.02	0.03	0.05	0.06	0.02	-0.01	-0.01	0.00	-0.01
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.02	-0.02	0.00	-0.01
CRMS 0162	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	0.00	-0.01

Figure WQ TOTP 214 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.13	0.11	0.10	0.09	0.10	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.19	0.21	0.23	0.16	0.14	0.15	0.13	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.15	0.20	0.23	0.25	0.26	0.21	0.18	0.17	0.15	0.15	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.17	0.14	0.14	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.16	0.13	0.10	0.09	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.17	0.14	0.13	0.13	0.13	0.14	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.16	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.14	0.15	0.16	0.13	0.11	0.12	0.10	0.10	0.12
CRMS 3985	0.17	0.17	0.15	0.13	0.09	0.10	0.13	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.15	0.15	0.17	0.18	0.18	0.13	0.13	0.15	0.13	0.14	0.14
CRMS 0224	0.17	0.15	0.16	0.16	0.16	0.16	0.13	0.14	0.15	0.13	0.14	0.15
CRMS 0163	0.17	0.16	0.22	0.24	0.26	0.26	0.22	0.19	0.18	0.15	0.16	0.22
CRMS 0162	0.15	0.12	0.19	0.21	0.24	0.26	0.23	0.19	0.14	0.12	0.12	0.21

V3PR4 HYST - cy 5 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.21	0.17	0.14	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.20	0.22	0.24	0.26	0.20	0.18	0.15	0.13	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.20	0.22	0.24	0.25	0.21	0.13	0.10	0.12	0.16	0.20
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.16	0.17	0.18	0.18	0.14	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.18	0.18	0.20	0.21	0.18	0.14	0.12	0.12	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.16	0.17	0.18	0.20	0.17	0.13	0.12	0.11	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.15	0.15	0.15	0.16	0.15	0.13	0.12	0.11	0.13	0.15
HWQ14 - Lake Washington	0.15	0.15	0.15	0.14	0.14	0.14	0.14	0.13	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.15	0.15	0.14	0.14	0.14	0.13	0.12	0.12	0.12	0.11	0.13	0.15
CRMS 0258	0.14	0.14	0.16	0.18	0.19	0.23	0.20	0.14	0.13	0.12	0.13	0.16
CRMS 0224	0.14	0.14	0.17	0.18	0.20	0.23	0.20	0.14	0.13	0.12	0.13	0.17
CRMS 0163	0.17	0.14	0.22	0.22	0.25	0.26	0.21	0.19	0.15	0.13	0.16	0.21
CRMS 0162	0.14	0.12	0.17	0.20	0.22	0.25	0.23	0.17	0.12	0.11	0.12	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.01	0.08	0.13	0.16	0.17	0.15	0.10	0.08	0.07	0.04	0.08
CRMS0276 - Just east of Wilkinson Canal	-0.02	0.00	-0.01	-0.02	-0.02	-0.02	0.00	0.00	-0.01	-0.01	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.02	0.03	0.08	0.09	0.12	0.11	0.02	-0.02	0.01	0.02	0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.03	0.00	0.04	0.08	0.09	0.03	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	0.01	0.04	0.07	0.08	0.05	0.00	-0.01	-0.01	0.00	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.02	0.04	0.05	0.03	0.00	-0.01	-0.01	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.01	0.01	0.02	0.03	0.02	0.00	-0.01	-0.01	-0.01	0.00
HWQ14 - Lake Washington	-0.03	-0.03	-0.02	0.02	0.04	0.04	0.02	0.00	0.00	0.00	0.00	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.01	0.01	0.04	0.04	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.03	-0.01	0.00	0.01	0.01	0.05	0.07	0.01	-0.02	-0.01	-0.01	0.01
CRMS 0224	-0.03	-0.02	0.01	0.03	0.04	0.07	0.06	0.00	-0.01	-0.01	-0.01	0.02
CRMS 0163	-0.01	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.03	-0.02	0.00	-0.01
CRMS 0162	-0.01	-0.01	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	-0.02

Figure WQ TOTP 215 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.13	0.12	0.09	0.09	0.09	0.10	0.09	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.17	0.21	0.23	0.21	0.16	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.22	0.25	0.26	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.14	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.14	0.12	0.10	0.09	0.10	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.12	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.13	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.13	0.12	0.12	0.14
HWQ14 - Lake Washington	0.18	0.16	0.14	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.16	0.17	0.15	0.13	0.11	0.12	0.10	0.10	0.11
CRMS 3985	0.16	0.16	0.14	0.12	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.16	0.13	0.14	0.18	0.20	0.16	0.12	0.13	0.15	0.13	0.14	0.15
CRMS 0224	0.16	0.13	0.14	0.16	0.18	0.15	0.12	0.13	0.15	0.13	0.13	0.15
CRMS 0163	0.18	0.20	0.24	0.26	0.27	0.24	0.23	0.20	0.19	0.17	0.16	0.16
CRMS 0162	0.16	0.17	0.21	0.24	0.25	0.24	0.24	0.19	0.16	0.15	0.12	0.13

V3PR5 HYST - cy 5 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.28	0.27	0.26	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.16	0.20	0.22	0.19	0.17	0.15	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.22	0.25	0.26	0.24	0.21	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.22	0.25	0.25	0.24	0.23	0.15	0.11	0.14	0.16	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.18	0.20	0.21	0.19	0.18	0.13	0.12	0.12	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.18	0.20	0.22	0.19	0.19	0.15	0.13	0.14	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.16	0.18	0.20	0.18	0.17	0.14	0.13	0.13	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.15	0.17	0.17	0.15	0.15	0.13	0.12	0.13	0.13	0.15
HWQ14 - Lake Washington	0.17	0.14	0.15	0.16	0.16	0.14	0.15	0.13	0.11	0.12	0.13	0.17
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.16	0.17	0.15	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.16	0.14	0.15	0.16	0.17	0.14	0.14	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.15	0.14	0.16	0.19	0.22	0.21	0.20	0.16	0.15	0.14	0.14	0.15
CRMS 0224	0.16	0.15	0.17	0.20	0.23	0.21	0.20	0.16	0.14	0.14	0.14	0.16
CRMS 0163	0.17	0.19	0.23	0.26	0.26	0.24	0.22	0.19	0.18	0.16	0.16	0.15
CRMS 0162	0.15	0.15	0.20	0.23	0.23	0.23	0.24	0.18	0.14	0.13	0.12	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.06	0.12	0.15	0.16	0.16	0.16	0.12	0.10	0.10	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.03	0.09	0.10	0.10	0.12	0.13	0.05	-0.01	0.03	0.04	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	0.04	0.08	0.12	0.10	0.08	0.02	0.01	0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.05	0.07	0.09	0.07	0.07	0.02	0.00	0.02	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.03	0.04	0.05	0.05	0.04	0.02	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.02	0.03	0.04	0.03	0.03	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.04	0.06	0.04	0.04	0.01	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.01	0.00	0.04	0.07	0.05	0.03	0.00	0.00	0.00	0.00	0.01
CRMS 0258	-0.01	0.01	0.02	0.02	0.02	0.04	0.08	0.03	-0.01	0.01	0.01	0.00
CRMS 0224	0.00	0.01	0.04	0.04	0.04	0.06	0.08	0.03	-0.01	0.01	0.01	0.00
CRMS 0163	0.00	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	0.00	-0.01	-0.02	0.00	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.02	-0.02	0.00	0.00

Figure WQ TOTP 216 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.17	0.15	0.12	0.10	0.09	0.09	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.20	0.21	0.22	0.19	0.13	0.13	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.21	0.23	0.24	0.25	0.21	0.17	0.15	0.15	0.14	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.17	0.17	0.15	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.18	0.15	0.11	0.10	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.17	0.16	0.14	0.13	0.12	0.13	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.17	0.17	0.16	0.14	0.12	0.12	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.16	0.14	0.13	0.12	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.19	0.18	0.18	0.15	0.11	0.10	0.11	0.13	0.12	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.18	0.18	0.18	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.16	0.17	0.19	0.20	0.16	0.12	0.12	0.14	0.12	0.14	0.14
CRMS 0224	0.17	0.16	0.17	0.18	0.18	0.15	0.13	0.13	0.14	0.13	0.14	0.15
CRMS 0163	0.18	0.23	0.25	0.25	0.26	0.21	0.18	0.17	0.16	0.14	0.16	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.19	0.19	0.15	0.11	0.10	0.13	0.17

V3PR5 HYST - cy 5 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.26	0.26	0.27	0.21	0.20	0.19	0.18	0.17	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.18	0.20	0.21	0.17	0.12	0.12	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.21	0.17	0.15	0.13	0.12	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.22	0.24	0.24	0.25	0.16	0.13	0.12	0.10	0.11	0.15	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.17	0.20	0.20	0.21	0.13	0.11	0.11	0.09	0.09	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.18	0.20	0.20	0.21	0.15	0.12	0.12	0.12	0.12	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.16	0.18	0.19	0.20	0.15	0.12	0.11	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.17	0.17	0.17	0.14	0.11	0.12	0.12	0.12	0.13	0.14
HWQ14 - Lake Washington	0.15	0.16	0.17	0.16	0.16	0.12	0.11	0.12	0.10	0.10	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.13	0.15	0.16	0.16	0.14	0.09	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.14	0.15	0.17	0.16	0.16	0.12	0.11	0.10	0.09	0.09	0.12	0.14
CRMS 0258	0.15	0.16	0.18	0.19	0.21	0.16	0.11	0.12	0.13	0.12	0.13	0.14
CRMS 0224	0.15	0.17	0.19	0.20	0.22	0.16	0.12	0.13	0.13	0.12	0.14	0.15
CRMS 0163	0.18	0.22	0.24	0.24	0.26	0.21	0.18	0.16	0.12	0.12	0.16	0.19
CRMS 0162	0.15	0.19	0.21	0.21	0.23	0.18	0.17	0.14	0.11	0.10	0.12	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.07	0.10	0.11	0.15	0.11	0.11	0.09	0.08	0.08	0.04	0.04
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.02	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.04	0.07	0.07	0.10	0.03	0.03	0.01	-0.02	0.01	0.01	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.01	0.02	0.05	0.10	0.03	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	0.01	0.03	0.04	0.07	0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.00	0.02	0.02	0.04	0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	0.00	0.01	0.03	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.04	-0.03	-0.01	0.02	0.04	0.02	0.00	-0.01	-0.01	-0.01	-0.01	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.03	-0.01	0.01	0.05	0.02	-0.01	-0.03	-0.03	-0.02	-0.02	-0.02
CRMS 0258	-0.03	0.00	0.01	0.00	0.01	-0.01	0.00	-0.01	-0.01	0.00	-0.01	0.00
CRMS 0224	-0.03	0.01	0.02	0.02	0.04	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.03	-0.02	0.00	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	-0.03

Figure WQ TOTP 217 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.17	0.15	0.12	0.10	0.08	0.08	0.09	0.09	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.18	0.18	0.17	0.13	0.13	0.12	0.15	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.16	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.17	0.15	0.12	0.09	0.09	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.13	0.12	0.11	0.12	0.12	0.13	0.13	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.15	0.13	0.11	0.12	0.11	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.16	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11	0.10	0.11	0.11
CRMS 3985	0.17	0.16	0.15	0.12	0.09	0.10	0.12	0.12	0.12	0.11	0.14	0.15
CRMS 0258	0.18	0.14	0.14	0.14	0.14	0.12	0.11	0.12	0.13	0.13	0.14	0.14
CRMS 0224	0.17	0.14	0.15	0.13	0.14	0.12	0.12	0.13	0.13	0.13	0.14	0.14
CRMS 0163	0.16	0.19	0.19	0.18	0.20	0.17	0.15	0.14	0.12	0.15	0.18	0.18
CRMS 0162	0.13	0.16	0.14	0.15	0.16	0.14	0.13	0.12	0.10	0.11	0.14	0.16

V3PR5 HYST - cy 5 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.21	0.18	0.17	0.17	0.17	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.14	0.14	0.12	0.10	0.10	0.11	0.11	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.17	0.18	0.18	0.17	0.12	0.11	0.11	0.13	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.16	0.15	0.17	0.11	0.12	0.11	0.10	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.14	0.14	0.13	0.13	0.09	0.10	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.13	0.14	0.11	0.11	0.12	0.12	0.12	0.13	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.13	0.12	0.13	0.11	0.10	0.11	0.11	0.12	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.13	0.12	0.11	0.10	0.10	0.11	0.12	0.12	0.13	0.13
HWQ14 - Lake Washington	0.16	0.14	0.14	0.11	0.11	0.09	0.11	0.12	0.10	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.08	0.10	0.10	0.11	0.11
CRMS 3985	0.15	0.13	0.14	0.12	0.11	0.09	0.11	0.10	0.08	0.09	0.11	0.14
CRMS 0258	0.15	0.13	0.13	0.13	0.14	0.11	0.11	0.11	0.13	0.12	0.13	0.14
CRMS 0224	0.15	0.14	0.13	0.13	0.14	0.12	0.11	0.12	0.12	0.13	0.13	0.14
CRMS 0163	0.15	0.17	0.18	0.18	0.19	0.17	0.12	0.11	0.11	0.13	0.18	0.18
CRMS 0162	0.12	0.13	0.12	0.13	0.14	0.12	0.11	0.11	0.10	0.10	0.13	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	0.04	0.05	0.08	0.12	0.10	0.09	0.08	0.08	0.08	0.04	0.03
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.02	-0.02	-0.01	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	0.00	0.01	0.02	0.05	0.00	0.02	0.01	-0.01	0.00	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.03	-0.01	0.01	0.04	0.00	0.00	-0.01	-0.02	-0.01	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.02	0.00	0.02	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.02	-0.01	0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.04	-0.02	-0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 3985	-0.02	-0.03	-0.01	-0.01	0.01	0.00	-0.01	-0.03	-0.04	-0.03	-0.02	-0.01
CRMS 0258	-0.02	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0224	-0.02	-0.01	-0.01	-0.01	0.01	-0.01	0.00	0.00	-0.01	0.00	-0.01	0.00
CRMS 0163	-0.01	-0.01	0.00	-0.01	-0.01	0.00	-0.02	-0.02	-0.01	-0.02	0.00	0.00
CRMS 0162	-0.02	-0.03	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	-0.02

Figure WQ TOTP 218 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.20	0.18	0.15	0.11	0.09	0.09	0.10	0.10	0.09	0.13	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.19	0.19	0.20	0.19	0.19	0.14	0.14	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.23	0.22	0.23	0.22	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.19	0.18	0.16	0.13	0.12	0.10	0.11	0.12	0.11	0.14	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.20	0.19	0.16	0.11	0.09	0.11	0.11	0.11	0.10	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.14	0.13	0.13	0.13	0.13	0.12	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.16
HWQ14 - Lake Washington	0.20	0.20	0.19	0.15	0.11	0.10	0.11	0.12	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.12	0.10	0.11	0.12
CRMS 3985	0.19	0.20	0.20	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.17
CRMS 0258	0.19	0.17	0.19	0.18	0.17	0.16	0.12	0.13	0.15	0.13	0.14	0.16
CRMS 0224	0.19	0.17	0.18	0.17	0.16	0.15	0.13	0.14	0.15	0.13	0.14	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.23	0.21	0.19	0.18	0.16	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.20	0.20	0.22	0.22	0.19	0.14	0.13	0.12	0.14

V3PR5 HYST - cy 5 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.18	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.18	0.18	0.17	0.17	0.14	0.14	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.17	0.22	0.21	0.22	0.21	0.22	0.18	0.18	0.16	0.14	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.23	0.21	0.22	0.22	0.22	0.21	0.15	0.10	0.11	0.16	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.19	0.19	0.19	0.18	0.17	0.15	0.13	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.19	0.19	0.19	0.18	0.17	0.16	0.15	0.12	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.16	0.18	0.18	0.17	0.17	0.16	0.15	0.14	0.12	0.11	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.17	0.17	0.18	0.16	0.15	0.14	0.13	0.13	0.12	0.11	0.13	0.15
HWQ14 - Lake Washington	0.18	0.17	0.18	0.16	0.14	0.13	0.13	0.13	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.13	0.11	0.10	0.11	0.10	0.10	0.11
CRMS 3985	0.17	0.17	0.18	0.16	0.14	0.13	0.12	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.18	0.18	0.18	0.18	0.18	0.19	0.18	0.16	0.14	0.12	0.14	0.15
CRMS 0224	0.18	0.19	0.19	0.19	0.18	0.19	0.18	0.16	0.13	0.12	0.14	0.15
CRMS 0163	0.20	0.24	0.22	0.22	0.23	0.22	0.20	0.19	0.16	0.14	0.16	0.16
CRMS 0162	0.18	0.22	0.19	0.19	0.19	0.21	0.21	0.18	0.13	0.11	0.12	0.12

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.06	0.10	0.14	0.15	0.14	0.12	0.08	0.08	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.02	-0.01	-0.01	-0.02	-0.02	0.00	0.00	-0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.04	0.03	0.07	0.09	0.10	0.10	0.04	-0.02	0.00	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	0.00	0.03	0.07	0.07	0.04	0.02	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.01	0.03	0.05	0.05	0.04	0.02	-0.01	-0.01	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.01	0.03	0.03	0.02	0.01	-0.01	-0.01	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.01	0.02	0.02	0.01	0.00	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.03	-0.03	-0.01	0.01	0.03	0.03	0.02	0.00	-0.01	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00
CRMS 3985	-0.03	-0.03	-0.02	0.00	0.03	0.03	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0258	-0.01	0.01	0.00	0.00	0.01	0.03	0.05	0.03	-0.01	-0.01	-0.01	-0.01
CRMS 0224	-0.01	0.02	0.01	0.02	0.02	0.04	0.05	0.02	-0.01	-0.01	0.00	-0.01
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.00	-0.02	-0.02	0.00	-0.01
CRMS 0162	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	0.00	-0.01

Figure WQ TOTP 219 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.13	0.11	0.10	0.09	0.10	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.19	0.21	0.23	0.16	0.14	0.15	0.13	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.15	0.20	0.23	0.25	0.26	0.21	0.18	0.17	0.15	0.15	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.17	0.14	0.14	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.16	0.13	0.10	0.09	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.17	0.14	0.13	0.13	0.13	0.14	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.16	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.14	0.15	0.16	0.13	0.11	0.12	0.10	0.10	0.12
CRMS 3985	0.17	0.17	0.15	0.13	0.09	0.10	0.13	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.15	0.15	0.17	0.18	0.18	0.13	0.13	0.15	0.13	0.14	0.14
CRMS 0224	0.17	0.15	0.16	0.16	0.16	0.16	0.13	0.14	0.15	0.13	0.14	0.15
CRMS 0163	0.17	0.16	0.22	0.24	0.26	0.26	0.22	0.19	0.18	0.15	0.16	0.22
CRMS 0162	0.15	0.12	0.19	0.21	0.24	0.26	0.23	0.19	0.14	0.12	0.12	0.21

V3PR5 HYST - cy 5 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.24
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.21	0.17	0.14	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.20	0.22	0.24	0.26	0.20	0.18	0.15	0.13	0.14	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.21	0.22	0.24	0.25	0.21	0.12	0.10	0.11	0.15	0.21
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.17	0.18	0.19	0.20	0.16	0.12	0.11	0.10	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.17	0.18	0.19	0.20	0.18	0.14	0.12	0.12	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.15	0.16	0.18	0.19	0.16	0.13	0.12	0.11	0.12	0.15
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.15	0.15	0.15	0.16	0.15	0.13	0.12	0.11	0.12	0.15
HWQ14 - Lake Washington	0.15	0.15	0.15	0.14	0.14	0.15	0.14	0.13	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.13	0.14	0.15	0.16	0.13	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.14	0.15	0.14	0.14	0.14	0.15	0.13	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.14	0.14	0.15	0.17	0.19	0.22	0.19	0.14	0.13	0.12	0.13	0.15
CRMS 0224	0.14	0.14	0.16	0.18	0.20	0.23	0.19	0.14	0.13	0.12	0.13	0.16
CRMS 0163	0.17	0.14	0.22	0.22	0.25	0.26	0.21	0.19	0.15	0.12	0.16	0.21
CRMS 0162	0.14	0.11	0.17	0.20	0.22	0.25	0.22	0.17	0.12	0.10	0.12	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.01	0.08	0.13	0.16	0.17	0.15	0.10	0.08	0.07	0.04	0.08
CRMS0276 - Just east of Wilkinson Canal	-0.02	0.00	-0.01	-0.02	-0.02	-0.02	0.00	0.00	-0.01	-0.01	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.02	0.04	0.08	0.10	0.12	0.11	0.01	-0.02	0.00	0.02	0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.03	0.01	0.05	0.10	0.11	0.05	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	0.00	0.04	0.06	0.08	0.05	0.00	-0.01	-0.01	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.01	0.02	0.04	0.05	0.03	0.00	-0.01	-0.01	-0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.02	0.01	0.02	0.03	0.02	0.00	-0.01	-0.01	-0.01	0.00
HWQ14 - Lake Washington	-0.04	-0.03	-0.02	0.02	0.04	0.05	0.02	0.00	0.00	0.00	0.00	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00
CRMS 3985	-0.03	-0.02	-0.01	0.02	0.05	0.05	0.01	-0.01	0.00	-0.01	-0.01	-0.01
CRMS 0258	-0.03	-0.01	0.00	0.01	0.01	0.05	0.06	0.01	-0.02	-0.01	-0.01	0.01
CRMS 0224	-0.03	-0.02	0.00	0.02	0.03	0.07	0.06	0.00	-0.01	-0.01	-0.01	0.01
CRMS 0163	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.03	-0.03	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	-0.02

Figure WQ TOTP 220 - Monthly Average Total Phosphorus (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.13	0.12	0.09	0.09	0.09	0.10	0.09	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.17	0.21	0.23	0.21	0.16	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.22	0.25	0.26	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.14	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.14	0.12	0.10	0.09	0.10	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.12	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.13	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.13	0.12	0.12	0.14
HWQ14 - Lake Washington	0.18	0.16	0.14	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.16	0.17	0.15	0.13	0.11	0.12	0.10	0.10	0.11
CRMS 3985	0.16	0.16	0.14	0.12	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.16	0.13	0.14	0.18	0.20	0.16	0.12	0.13	0.15	0.13	0.14	0.15
CRMS 0224	0.16	0.13	0.14	0.16	0.18	0.15	0.12	0.13	0.15	0.13	0.13	0.15
CRMS 0163	0.18	0.20	0.24	0.26	0.27	0.24	0.23	0.20	0.19	0.17	0.16	0.16
CRMS 0162	0.16	0.17	0.21	0.24	0.25	0.24	0.24	0.19	0.16	0.15	0.12	0.13

V3PR6 HYST - cy 5 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.22	0.26	0.27	0.27	0.26	0.25	0.21	0.20	0.20	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.16	0.20	0.23	0.20	0.19	0.16	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.21	0.25	0.26	0.24	0.21	0.18	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.20	0.25	0.27	0.27	0.25	0.24	0.17	0.12	0.14	0.18	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.20	0.23	0.24	0.22	0.20	0.13	0.11	0.12	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.22	0.24	0.25	0.23	0.22	0.17	0.13	0.14	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.15	0.20	0.22	0.24	0.21	0.20	0.16	0.13	0.14	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.14	0.18	0.19	0.21	0.18	0.18	0.15	0.13	0.13	0.13	0.16
HWQ14 - Lake Washington	0.17	0.15	0.16	0.18	0.19	0.17	0.16	0.14	0.11	0.12	0.14	0.18
HWQ16 - Bayou Grand Liard	0.11	0.12	0.15	0.18	0.19	0.17	0.14	0.12	0.12	0.11	0.11	0.12
CRMS 3985	0.16	0.14	0.16	0.18	0.20	0.17	0.16	0.13	0.11	0.11	0.14	0.17
CRMS 0258	0.15	0.15	0.19	0.22	0.24	0.22	0.21	0.17	0.14	0.15	0.15	0.16
CRMS 0224	0.16	0.16	0.20	0.22	0.24	0.22	0.22	0.17	0.13	0.15	0.14	0.16
CRMS 0163	0.17	0.19	0.23	0.25	0.26	0.24	0.22	0.19	0.19	0.17	0.16	0.16
CRMS 0162	0.15	0.15	0.20	0.23	0.24	0.23	0.24	0.18	0.14	0.14	0.12	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.12	0.15	0.16	0.16	0.16	0.12	0.11	0.10	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.02	-0.01	-0.01	0.00	0.03	0.02	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.01	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.05	0.11	0.12	0.12	0.13	0.14	0.06	0.00	0.04	0.05	0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.06	0.11	0.14	0.13	0.10	0.02	0.01	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.03	0.09	0.10	0.12	0.11	0.10	0.04	0.00	0.03	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.02	0.06	0.07	0.09	0.08	0.07	0.03	0.00	0.02	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.04	0.06	0.07	0.06	0.06	0.02	0.00	0.01	0.01	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.06	0.08	0.07	0.06	0.02	0.00	0.02	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.02	0.02	0.02	0.02	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	0.02	0.06	0.10	0.08	0.06	0.00	0.00	0.01	0.01	0.01
CRMS 0258	-0.01	0.02	0.05	0.04	0.03	0.06	0.09	0.04	-0.01	0.01	0.01	0.01
CRMS 0224	0.00	0.03	0.07	0.06	0.06	0.08	0.09	0.04	-0.01	0.02	0.01	0.01
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.02	-0.01	0.00	0.00

Figure WQ TOTP 221 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.17	0.15	0.12	0.10	0.09	0.09	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.20	0.21	0.22	0.19	0.13	0.13	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.21	0.23	0.24	0.25	0.21	0.17	0.15	0.15	0.14	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.17	0.17	0.15	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.18	0.15	0.11	0.10	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.17	0.16	0.14	0.13	0.12	0.13	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.17	0.17	0.16	0.14	0.12	0.12	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.16	0.14	0.13	0.12	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.19	0.18	0.18	0.15	0.11	0.10	0.11	0.13	0.12	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.18	0.18	0.18	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.16	0.17	0.19	0.20	0.16	0.12	0.12	0.14	0.12	0.14	0.14
CRMS 0224	0.17	0.16	0.17	0.18	0.18	0.15	0.13	0.13	0.14	0.13	0.14	0.15
CRMS 0163	0.18	0.23	0.25	0.25	0.26	0.21	0.18	0.17	0.16	0.14	0.16	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.19	0.19	0.15	0.11	0.10	0.13	0.17

V3PR6 HYST - cy 5 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.20	0.18	0.17	0.17	0.18	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.18	0.12	0.12	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.21	0.17	0.15	0.13	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.24	0.26	0.26	0.27	0.16	0.12	0.11	0.10	0.11	0.17	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.20	0.22	0.22	0.24	0.13	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.21	0.23	0.23	0.25	0.15	0.11	0.12	0.11	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.14	0.19	0.21	0.21	0.23	0.16	0.11	0.11	0.12	0.11	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.17	0.20	0.20	0.20	0.15	0.11	0.11	0.12	0.11	0.13	0.15
HWQ14 - Lake Washington	0.15	0.16	0.18	0.18	0.18	0.13	0.11	0.12	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.17	0.18	0.18	0.14	0.10	0.09	0.10	0.10	0.10	0.12
CRMS 3985	0.15	0.16	0.18	0.18	0.19	0.12	0.11	0.12	0.12	0.11	0.13	0.15
CRMS 0258	0.15	0.18	0.21	0.22	0.23	0.16	0.11	0.11	0.12	0.12	0.14	0.15
CRMS 0224	0.15	0.19	0.22	0.22	0.24	0.16	0.11	0.11	0.12	0.12	0.14	0.15
CRMS 0163	0.18	0.22	0.25	0.24	0.26	0.21	0.18	0.16	0.13	0.12	0.17	0.19
CRMS 0162	0.16	0.20	0.21	0.21	0.23	0.18	0.18	0.15	0.11	0.10	0.12	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.07	0.10	0.11	0.15	0.11	0.11	0.09	0.07	0.07	0.04	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.07	0.09	0.09	0.12	0.03	0.02	0.00	-0.02	0.00	0.03	0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	0.01	0.05	0.07	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.05	0.06	0.07	0.10	0.03	-0.01	-0.02	-0.02	-0.01	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.03	0.05	0.05	0.08	0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.01	0.03	0.04	0.06	0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
HWQ14 - Lake Washington	-0.03	-0.02	0.00	0.03	0.07	0.03	0.00	-0.01	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	-0.01	0.01	0.01	0.02	0.02	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.02	0.00	0.03	0.08	0.03	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.03	0.02	0.04	0.03	0.03	0.00	-0.01	-0.01	-0.02	-0.01	0.00	0.01
CRMS 0224	-0.02	0.03	0.05	0.04	0.05	0.00	-0.01	-0.02	-0.02	-0.01	0.00	0.01
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.02

Figure WQ TOTP 222 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.17	0.15	0.12	0.10	0.08	0.08	0.09	0.09	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.18	0.18	0.17	0.13	0.13	0.12	0.15	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.16	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.17	0.15	0.12	0.09	0.09	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.13	0.12	0.11	0.12	0.12	0.13	0.13	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.15	0.13	0.11	0.12	0.11	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.16	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11	0.10	0.11	0.11
CRMS 3985	0.17	0.16	0.15	0.12	0.09	0.10	0.12	0.12	0.12	0.11	0.14	0.15
CRMS 0258	0.18	0.14	0.14	0.14	0.14	0.12	0.11	0.12	0.13	0.13	0.14	0.14
CRMS 0224	0.17	0.14	0.15	0.13	0.14	0.12	0.12	0.13	0.13	0.13	0.14	0.14
CRMS 0163	0.16	0.19	0.19	0.18	0.20	0.17	0.15	0.14	0.12	0.15	0.18	0.18
CRMS 0162	0.13	0.16	0.14	0.15	0.16	0.14	0.13	0.12	0.10	0.11	0.14	0.16

V3PR6 HYST - cy 5 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.22	0.18	0.17	0.17	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.14	0.14	0.12	0.10	0.10	0.13	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.17	0.18	0.18	0.17	0.13	0.12	0.15	0.15	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.18	0.16	0.18	0.10	0.11	0.11	0.09	0.09	0.15	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.15	0.15	0.13	0.14	0.09	0.10	0.11	0.11	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.14	0.17	0.10	0.11	0.12	0.12	0.11	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.13	0.15	0.11	0.10	0.11	0.12	0.12	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.12	0.13	0.10	0.10	0.11	0.12	0.11	0.12	0.14
HWQ14 - Lake Washington	0.17	0.14	0.14	0.12	0.12	0.09	0.11	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.11	0.10	0.11	0.11
CRMS 3985	0.16	0.14	0.14	0.12	0.11	0.09	0.11	0.12	0.12	0.11	0.12	0.14
CRMS 0258	0.16	0.14	0.14	0.14	0.15	0.11	0.10	0.11	0.13	0.12	0.14	0.14
CRMS 0224	0.15	0.14	0.14	0.13	0.15	0.11	0.10	0.11	0.12	0.11	0.13	0.14
CRMS 0163	0.15	0.18	0.19	0.18	0.19	0.17	0.14	0.13	0.15	0.16	0.18	0.18
CRMS 0162	0.12	0.14	0.13	0.13	0.15	0.13	0.12	0.11	0.11	0.13	0.13	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	0.04	0.05	0.08	0.12	0.10	0.09	0.08	0.07	0.07	0.05	0.03
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.03	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.01	0.03	0.03	0.06	0.00	0.01	0.00	-0.02	-0.02	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.03	0.00	0.01	0.05	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.00	0.01	0.05	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.01	0.00	0.03	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	-0.02	0.00	0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.01	-0.03	-0.02	0.00	0.02	0.00	-0.01	0.00	0.00	-0.01	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.02	0.00	0.00	0.02	0.00	-0.01	0.00	0.00	-0.01	-0.02	-0.01
CRMS 0258	-0.02	0.00	0.00	0.00	0.00	-0.02	-0.01	-0.01	0.00	-0.01	-0.01	0.00
CRMS 0224	-0.02	0.00	-0.01	0.00	0.02	-0.02	-0.02	-0.01	-0.01	-0.02	-0.01	0.00
CRMS 0163	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	0.03	0.00	0.00	0.00
CRMS 0162	-0.01	-0.02	-0.01	-0.02	-0.01	-0.01	-0.02	-0.01	0.01	0.01	-0.01	-0.02

Figure WQ TOTP 223 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.20	0.18	0.15	0.11	0.09	0.09	0.10	0.10	0.09	0.13	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.19	0.19	0.20	0.19	0.19	0.14	0.14	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.23	0.22	0.23	0.22	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.19	0.18	0.16	0.13	0.12	0.10	0.11	0.12	0.11	0.14	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.20	0.19	0.16	0.11	0.09	0.11	0.11	0.11	0.10	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.14	0.13	0.13	0.13	0.13	0.12	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.16
HWQ14 - Lake Washington	0.20	0.20	0.19	0.15	0.11	0.10	0.11	0.12	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.12	0.10	0.11	0.12
CRMS 3985	0.19	0.20	0.20	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.17
CRMS 0258	0.19	0.17	0.19	0.18	0.17	0.16	0.12	0.13	0.15	0.13	0.14	0.16
CRMS 0224	0.19	0.17	0.18	0.17	0.16	0.15	0.13	0.14	0.15	0.13	0.14	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.23	0.21	0.19	0.18	0.16	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.20	0.20	0.22	0.22	0.19	0.14	0.13	0.12	0.14

V3PR6 HYST - cy 5 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.18	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.18	0.18	0.17	0.18	0.16	0.15	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.22	0.18	0.18	0.17	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.26	0.23	0.24	0.24	0.23	0.22	0.16	0.09	0.10	0.18	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.21	0.20	0.19	0.17	0.14	0.10	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.21	0.23	0.21	0.22	0.22	0.21	0.20	0.16	0.12	0.11	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.18	0.21	0.20	0.20	0.20	0.19	0.17	0.15	0.12	0.11	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.18	0.19	0.19	0.19	0.17	0.16	0.15	0.14	0.12	0.11	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.19	0.17	0.15	0.15	0.14	0.14	0.11	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.13	0.16	0.17	0.16	0.15	0.15	0.12	0.11	0.11	0.10	0.11	0.12
CRMS 3985	0.17	0.18	0.18	0.17	0.16	0.15	0.13	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.19	0.20	0.19	0.20	0.20	0.20	0.19	0.16	0.13	0.12	0.15	0.16
CRMS 0224	0.19	0.21	0.20	0.21	0.20	0.20	0.19	0.16	0.13	0.11	0.14	0.16
CRMS 0163	0.20	0.24	0.23	0.22	0.23	0.22	0.20	0.19	0.17	0.16	0.16	0.16
CRMS 0162	0.19	0.22	0.19	0.19	0.19	0.21	0.22	0.18	0.13	0.12	0.12	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.06	0.10	0.14	0.15	0.15	0.12	0.09	0.08	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.02	-0.01	0.02	0.01	-0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.07	0.05	0.08	0.11	0.11	0.12	0.05	-0.03	-0.01	0.04	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.02	0.01	0.05	0.09	0.10	0.06	0.02	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.05	0.03	0.06	0.08	0.09	0.08	0.03	-0.02	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.02	0.04	0.02	0.04	0.06	0.06	0.05	0.02	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.01	0.03	0.04	0.04	0.03	0.02	-0.01	-0.01	0.00	0.00
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.02	0.04	0.05	0.03	0.01	-0.01	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.02	0.01	0.05	0.04	0.01	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0258	0.00	0.03	0.01	0.02	0.03	0.04	0.06	0.03	-0.02	-0.01	0.00	0.00
CRMS 0224	0.01	0.04	0.02	0.04	0.04	0.06	0.07	0.03	-0.02	-0.02	0.00	0.00
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01

Figure WQ TOTP 224 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.13	0.11	0.10	0.09	0.10	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.19	0.21	0.23	0.16	0.14	0.15	0.13	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.15	0.20	0.23	0.25	0.26	0.21	0.18	0.17	0.15	0.15	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.17	0.14	0.14	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.16	0.13	0.10	0.09	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.17	0.14	0.13	0.13	0.13	0.14	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.16	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.14	0.15	0.16	0.13	0.11	0.12	0.10	0.10	0.12
CRMS 3985	0.17	0.17	0.15	0.13	0.09	0.10	0.13	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.15	0.15	0.17	0.18	0.18	0.13	0.13	0.15	0.13	0.14	0.14
CRMS 0224	0.17	0.15	0.16	0.16	0.16	0.16	0.13	0.14	0.15	0.13	0.14	0.15
CRMS 0163	0.17	0.16	0.22	0.24	0.26	0.26	0.22	0.19	0.18	0.15	0.16	0.22
CRMS 0162	0.15	0.12	0.19	0.21	0.24	0.26	0.23	0.19	0.14	0.12	0.12	0.21

V3PR6 HYST - cy 5 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.18	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.22	0.18	0.14	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.20	0.22	0.24	0.26	0.20	0.18	0.16	0.14	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.24	0.25	0.26	0.26	0.23	0.13	0.10	0.10	0.17	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.19	0.20	0.22	0.23	0.18	0.12	0.11	0.10	0.14	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.21	0.22	0.23	0.24	0.21	0.14	0.11	0.11	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.18	0.20	0.21	0.23	0.19	0.14	0.12	0.11	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.17	0.18	0.18	0.19	0.17	0.13	0.12	0.11	0.13	0.17
HWQ14 - Lake Washington	0.15	0.15	0.16	0.16	0.16	0.18	0.16	0.13	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.10	0.11	0.14	0.16	0.17	0.18	0.14	0.11	0.11	0.10	0.10	0.13
CRMS 3985	0.14	0.15	0.15	0.16	0.17	0.18	0.15	0.12	0.11	0.11	0.12	0.15
CRMS 0258	0.14	0.14	0.18	0.20	0.21	0.24	0.20	0.14	0.13	0.12	0.14	0.17
CRMS 0224	0.14	0.14	0.19	0.20	0.22	0.24	0.21	0.14	0.13	0.11	0.14	0.18
CRMS 0163	0.17	0.15	0.22	0.22	0.25	0.26	0.21	0.19	0.16	0.14	0.16	0.21
CRMS 0162	0.14	0.11	0.18	0.20	0.23	0.25	0.23	0.18	0.12	0.11	0.12	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.01	0.09	0.13	0.16	0.17	0.15	0.11	0.08	0.08	0.04	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.02	0.00	-0.01	-0.01	-0.02	-0.01	0.02	0.00	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	0.00	0.07	0.10	0.12	0.13	0.12	0.02	-0.03	-0.01	0.03	0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.02	0.03	0.08	0.13	0.14	0.07	0.00	0.00	0.00	0.00	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	0.04	0.08	0.10	0.12	0.08	0.00	-0.02	-0.01	0.00	0.05
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.02	0.05	0.07	0.08	0.05	0.00	-0.01	-0.01	0.00	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.04	0.05	0.06	0.04	0.00	-0.01	-0.01	0.00	0.01
HWQ14 - Lake Washington	-0.03	-0.03	-0.01	0.03	0.06	0.08	0.04	0.00	-0.01	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.00	0.01	0.01	0.01	0.01	0.00	-0.01	0.00	0.00	0.01
CRMS 3985	-0.03	-0.02	0.00	0.03	0.08	0.09	0.02	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0258	-0.03	-0.01	0.02	0.03	0.03	0.06	0.07	0.01	-0.02	-0.01	0.00	0.03
CRMS 0224	-0.02	-0.01	0.02	0.04	0.05	0.08	0.07	0.00	-0.02	-0.01	0.00	0.04
CRMS 0163	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.02	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.01	0.00	-0.01

Figure WQ TOTP 225 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.13	0.12	0.09	0.09	0.09	0.10	0.09	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.17	0.21	0.23	0.21	0.16	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.22	0.25	0.26	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.14	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.14	0.12	0.10	0.09	0.10	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.12	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.13	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.13	0.12	0.12	0.14
HWQ14 - Lake Washington	0.18	0.16	0.14	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.16	0.17	0.15	0.13	0.11	0.12	0.10	0.10	0.11
CRMS 3985	0.16	0.16	0.14	0.12	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.16	0.13	0.14	0.18	0.20	0.16	0.12	0.13	0.15	0.13	0.14	0.15
CRMS 0224	0.16	0.13	0.14	0.16	0.18	0.15	0.12	0.13	0.15	0.13	0.13	0.15
CRMS 0163	0.18	0.20	0.24	0.26	0.27	0.24	0.23	0.20	0.19	0.17	0.16	0.16
CRMS 0162	0.16	0.17	0.21	0.24	0.25	0.24	0.24	0.19	0.16	0.15	0.12	0.13

V3PR7 HYST - cy 5 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.27	0.27	0.26	0.25	0.21	0.20	0.19	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.16	0.20	0.23	0.20	0.19	0.16	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.21	0.25	0.26	0.24	0.21	0.18	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.25	0.26	0.27	0.25	0.24	0.17	0.13	0.14	0.17	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.20	0.22	0.24	0.21	0.20	0.13	0.11	0.12	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.22	0.24	0.25	0.23	0.22	0.16	0.13	0.14	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.15	0.20	0.22	0.24	0.21	0.20	0.15	0.13	0.14	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.14	0.18	0.19	0.21	0.18	0.18	0.14	0.13	0.13	0.13	0.16
HWQ14 - Lake Washington	0.17	0.15	0.16	0.17	0.18	0.16	0.16	0.14	0.11	0.12	0.14	0.18
HWQ16 - Bayou Grand Liard	0.11	0.12	0.15	0.18	0.19	0.17	0.14	0.12	0.12	0.11	0.11	0.12
CRMS 3985	0.16	0.14	0.16	0.17	0.19	0.16	0.15	0.12	0.11	0.11	0.14	0.17
CRMS 0258	0.15	0.15	0.19	0.22	0.24	0.22	0.22	0.17	0.14	0.15	0.15	0.16
CRMS 0224	0.16	0.16	0.21	0.23	0.24	0.23	0.22	0.17	0.13	0.15	0.14	0.17
CRMS 0163	0.17	0.19	0.23	0.25	0.26	0.24	0.22	0.19	0.19	0.17	0.16	0.16
CRMS 0162	0.15	0.15	0.20	0.23	0.24	0.23	0.24	0.18	0.14	0.14	0.12	0.12

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.06	0.12	0.15	0.16	0.16	0.16	0.12	0.11	0.10	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.02	-0.01	-0.01	0.00	0.03	0.02	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.01	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.05	0.11	0.12	0.12	0.13	0.14	0.06	0.01	0.04	0.05	0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	0.06	0.10	0.14	0.13	0.10	0.02	0.01	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.03	0.08	0.10	0.12	0.11	0.10	0.04	0.00	0.03	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.02	0.06	0.07	0.09	0.08	0.07	0.03	0.00	0.02	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.04	0.06	0.07	0.06	0.06	0.02	0.00	0.01	0.01	0.02
HWQ14 - Lake Washington	-0.01	-0.01	0.02	0.06	0.08	0.06	0.05	0.02	0.00	0.02	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	0.01	0.05	0.09	0.07	0.05	0.00	0.00	0.00	0.01	0.01
CRMS 0258	-0.01	0.02	0.05	0.04	0.04	0.06	0.09	0.04	-0.01	0.01	0.01	0.01
CRMS 0224	0.00	0.03	0.07	0.07	0.06	0.08	0.10	0.04	-0.01	0.02	0.01	0.01
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.02	-0.01	0.00	-0.01

Figure WQ TOTP 226 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.17	0.15	0.12	0.10	0.09	0.09	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.20	0.21	0.22	0.19	0.13	0.13	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.21	0.23	0.24	0.25	0.21	0.17	0.15	0.15	0.14	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.17	0.17	0.15	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.18	0.15	0.11	0.10	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.17	0.16	0.14	0.13	0.12	0.13	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.17	0.17	0.16	0.14	0.12	0.12	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.16	0.14	0.13	0.12	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.19	0.18	0.18	0.15	0.11	0.10	0.11	0.13	0.12	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.18	0.18	0.18	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.16	0.17	0.19	0.20	0.16	0.12	0.12	0.14	0.12	0.14	0.14
CRMS 0224	0.17	0.16	0.17	0.18	0.18	0.15	0.13	0.13	0.14	0.13	0.14	0.15
CRMS 0163	0.18	0.23	0.25	0.25	0.26	0.21	0.18	0.17	0.16	0.14	0.16	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.19	0.19	0.15	0.11	0.10	0.13	0.17

V3PR7 HYST - cy 5 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.20	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.18	0.12	0.12	0.12	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.21	0.17	0.16	0.14	0.13	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.24	0.26	0.26	0.26	0.16	0.12	0.12	0.10	0.11	0.17	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.19	0.22	0.22	0.23	0.13	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.25	0.15	0.11	0.11	0.11	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.14	0.19	0.21	0.22	0.23	0.16	0.11	0.11	0.12	0.11	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.17	0.20	0.20	0.20	0.15	0.11	0.11	0.12	0.11	0.13	0.15
HWQ14 - Lake Washington	0.15	0.16	0.18	0.18	0.18	0.13	0.11	0.12	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.17	0.18	0.19	0.14	0.10	0.09	0.11	0.10	0.10	0.12
CRMS 3985	0.15	0.16	0.18	0.18	0.18	0.12	0.11	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.15	0.19	0.21	0.22	0.23	0.16	0.11	0.11	0.12	0.12	0.14	0.15
CRMS 0224	0.16	0.20	0.22	0.22	0.24	0.16	0.11	0.11	0.12	0.12	0.13	0.16
CRMS 0163	0.18	0.22	0.25	0.24	0.26	0.21	0.18	0.16	0.13	0.12	0.17	0.19
CRMS 0162	0.16	0.20	0.21	0.21	0.23	0.18	0.18	0.15	0.11	0.10	0.12	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.07	0.10	0.11	0.15	0.11	0.11	0.09	0.07	0.07	0.04	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.07	0.09	0.09	0.11	0.03	0.02	0.01	-0.02	0.00	0.03	0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	0.01	0.04	0.07	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.04	0.06	0.07	0.10	0.02	-0.01	-0.02	-0.02	-0.01	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.03	0.05	0.05	0.08	0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.01	0.03	0.04	0.06	0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
HWQ14 - Lake Washington	-0.03	-0.02	0.00	0.03	0.07	0.03	-0.01	-0.01	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	-0.01	0.01	0.01	0.02	0.02	0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.02	0.00	0.02	0.07	0.02	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.02	0.03	0.04	0.03	0.04	0.00	-0.01	-0.01	-0.02	-0.01	0.00	0.01
CRMS 0224	-0.02	0.04	0.05	0.04	0.06	0.00	-0.02	-0.02	-0.02	-0.01	-0.01	0.01
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.02

Figure WQ TOTP 227 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.17	0.15	0.12	0.10	0.08	0.08	0.09	0.09	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.18	0.18	0.17	0.13	0.13	0.12	0.15	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.16	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.17	0.15	0.12	0.09	0.09	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.13	0.12	0.11	0.12	0.12	0.13	0.13	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.15	0.13	0.11	0.12	0.11	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.16	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11	0.10	0.11	0.11
CRMS 3985	0.17	0.16	0.15	0.12	0.09	0.10	0.12	0.12	0.12	0.11	0.14	0.15
CRMS 0258	0.18	0.14	0.14	0.14	0.14	0.12	0.11	0.12	0.13	0.13	0.14	0.14
CRMS 0224	0.17	0.14	0.15	0.13	0.14	0.12	0.12	0.13	0.13	0.13	0.14	0.14
CRMS 0163	0.16	0.19	0.19	0.18	0.20	0.17	0.15	0.14	0.12	0.15	0.18	0.18
CRMS 0162	0.13	0.16	0.14	0.15	0.16	0.14	0.13	0.12	0.10	0.11	0.14	0.16

V3PR7 HYST - cy 5 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.22	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.13	0.13	0.14	0.14	0.12	0.10	0.10	0.11	0.11	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.17	0.18	0.18	0.17	0.13	0.12	0.11	0.14	0.16	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.17	0.15	0.18	0.10	0.11	0.11	0.10	0.10	0.15	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.15	0.15	0.13	0.14	0.09	0.10	0.11	0.10	0.10	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.13	0.16	0.10	0.10	0.11	0.11	0.11	0.13	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.13	0.14	0.11	0.10	0.11	0.11	0.11	0.13	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.12	0.13	0.10	0.10	0.11	0.12	0.11	0.13	0.14
HWQ14 - Lake Washington	0.17	0.14	0.14	0.12	0.12	0.09	0.11	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.08	0.10	0.10	0.11	0.11
CRMS 3985	0.16	0.14	0.14	0.12	0.11	0.09	0.11	0.12	0.11	0.11	0.13	0.15
CRMS 0258	0.16	0.14	0.14	0.14	0.15	0.11	0.10	0.11	0.12	0.12	0.14	0.14
CRMS 0224	0.15	0.15	0.14	0.13	0.16	0.11	0.10	0.11	0.12	0.12	0.13	0.14
CRMS 0163	0.15	0.18	0.19	0.18	0.19	0.17	0.14	0.12	0.11	0.14	0.18	0.18
CRMS 0162	0.12	0.14	0.13	0.14	0.15	0.13	0.12	0.11	0.10	0.10	0.13	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	0.04	0.05	0.08	0.12	0.10	0.09	0.08	0.07	0.07	0.04	0.03
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	0.00	0.00	0.01	0.00	-0.01	-0.01	-0.01	0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.01	0.02	0.03	0.06	0.00	0.02	0.00	-0.02	-0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.03	0.00	0.01	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.00	0.01	0.05	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.01	0.00	0.03	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	-0.02	0.00	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.04	-0.02	0.00	0.02	0.00	-0.01	0.00	0.00	-0.01	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 3985	-0.01	-0.03	0.00	0.00	0.02	0.00	-0.01	0.00	0.00	-0.01	-0.01	-0.01
CRMS 0258	-0.02	0.00	0.00	0.00	0.01	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0224	-0.02	0.00	-0.01	0.00	0.02	-0.02	-0.02	-0.01	-0.02	-0.01	-0.01	0.00
CRMS 0163	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0162	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.02

Figure WQ TOTP 228 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.20	0.18	0.15	0.11	0.09	0.09	0.10	0.10	0.09	0.13	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.19	0.19	0.20	0.19	0.19	0.14	0.14	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.23	0.22	0.23	0.22	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.19	0.18	0.16	0.13	0.12	0.10	0.11	0.12	0.11	0.14	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.20	0.19	0.16	0.11	0.09	0.11	0.11	0.11	0.10	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.14	0.13	0.13	0.13	0.13	0.12	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.16
HWQ14 - Lake Washington	0.20	0.20	0.19	0.15	0.11	0.10	0.11	0.12	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.12	0.10	0.11	0.12
CRMS 3985	0.19	0.20	0.20	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.17
CRMS 0258	0.19	0.17	0.19	0.18	0.17	0.16	0.12	0.13	0.15	0.13	0.14	0.16
CRMS 0224	0.19	0.17	0.18	0.17	0.16	0.15	0.13	0.14	0.15	0.13	0.14	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.23	0.21	0.19	0.18	0.16	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.20	0.20	0.22	0.22	0.19	0.14	0.13	0.12	0.14

V3PR7 HYST - cy 5 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.18	0.18	0.18	0.17	0.18	0.16	0.15	0.14	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.22	0.18	0.18	0.17	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.23	0.25	0.23	0.24	0.24	0.23	0.22	0.16	0.10	0.10	0.18	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.19	0.22	0.20	0.20	0.20	0.19	0.17	0.13	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.20	0.23	0.21	0.22	0.21	0.21	0.20	0.16	0.11	0.11	0.14	0.16
USGS 07380335 - Little Lake Near Cutoff	0.18	0.21	0.20	0.20	0.20	0.19	0.17	0.15	0.12	0.11	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.18	0.19	0.19	0.19	0.17	0.16	0.15	0.14	0.12	0.11	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.19	0.17	0.15	0.15	0.14	0.13	0.10	0.10	0.13	0.16
HWQ16 - Bayou Grand Liard	0.13	0.16	0.17	0.17	0.15	0.15	0.12	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.17	0.18	0.18	0.17	0.15	0.14	0.13	0.12	0.11	0.11	0.12	0.15
CRMS 0258	0.19	0.21	0.20	0.20	0.20	0.20	0.19	0.16	0.13	0.12	0.15	0.16
CRMS 0224	0.20	0.22	0.20	0.21	0.20	0.21	0.20	0.16	0.13	0.11	0.14	0.16
CRMS 0163	0.20	0.24	0.23	0.22	0.23	0.22	0.20	0.19	0.17	0.15	0.16	0.17
CRMS 0162	0.19	0.22	0.19	0.19	0.19	0.21	0.22	0.18	0.13	0.12	0.12	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.06	0.10	0.14	0.15	0.15	0.12	0.08	0.08	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.02	-0.01	0.02	0.01	0.00	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.06	0.05	0.08	0.10	0.11	0.12	0.05	-0.03	-0.01	0.04	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.02	0.01	0.05	0.09	0.09	0.06	0.02	-0.01	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.05	0.03	0.06	0.08	0.09	0.08	0.03	-0.02	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.02	0.04	0.02	0.04	0.06	0.06	0.05	0.02	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.01	0.01	0.03	0.04	0.04	0.03	0.02	-0.01	-0.01	0.00	0.00
HWQ14 - Lake Washington	-0.02	-0.02	-0.01	0.02	0.04	0.05	0.02	0.01	-0.01	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.02	0.01	0.04	0.04	0.00	-0.01	-0.01	-0.01	-0.02	-0.01
CRMS 0258	0.00	0.03	0.01	0.03	0.03	0.04	0.07	0.03	-0.02	-0.01	0.00	0.00
CRMS 0224	0.01	0.04	0.02	0.04	0.05	0.06	0.07	0.03	-0.02	-0.02	0.00	0.00
CRMS 0163	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01

Figure WQ TOTP 229 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.13	0.11	0.10	0.09	0.10	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.19	0.21	0.23	0.16	0.14	0.15	0.13	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.15	0.20	0.23	0.25	0.26	0.21	0.18	0.17	0.15	0.15	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.17	0.14	0.14	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.16	0.13	0.10	0.09	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.17	0.14	0.13	0.13	0.13	0.14	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.16	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.14	0.15	0.16	0.13	0.11	0.12	0.10	0.10	0.12
CRMS 3985	0.17	0.17	0.15	0.13	0.09	0.10	0.13	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.15	0.15	0.17	0.18	0.18	0.13	0.13	0.15	0.13	0.14	0.14
CRMS 0224	0.17	0.15	0.16	0.16	0.16	0.16	0.13	0.14	0.15	0.13	0.14	0.15
CRMS 0163	0.17	0.16	0.22	0.24	0.26	0.26	0.22	0.19	0.18	0.15	0.16	0.22
CRMS 0162	0.15	0.12	0.19	0.21	0.24	0.26	0.23	0.19	0.14	0.12	0.12	0.21

V3PR7 HYST - cy 5 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.18	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.22	0.18	0.14	0.14	0.12	0.12	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.20	0.22	0.24	0.26	0.20	0.18	0.16	0.14	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.23	0.24	0.26	0.26	0.23	0.13	0.10	0.10	0.17	0.23
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.16	0.19	0.20	0.22	0.23	0.18	0.12	0.11	0.10	0.13	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.21	0.22	0.23	0.24	0.21	0.14	0.11	0.11	0.13	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.18	0.20	0.22	0.23	0.19	0.14	0.12	0.11	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.17	0.18	0.18	0.19	0.17	0.13	0.12	0.11	0.13	0.16
HWQ14 - Lake Washington	0.15	0.15	0.16	0.16	0.16	0.17	0.15	0.13	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.14	0.16	0.17	0.18	0.14	0.11	0.11	0.10	0.10	0.13
CRMS 3985	0.15	0.15	0.15	0.16	0.16	0.17	0.14	0.12	0.11	0.11	0.12	0.15
CRMS 0258	0.14	0.14	0.18	0.20	0.22	0.24	0.20	0.14	0.13	0.12	0.14	0.18
CRMS 0224	0.14	0.14	0.19	0.21	0.22	0.24	0.21	0.14	0.13	0.11	0.13	0.19
CRMS 0163	0.17	0.15	0.22	0.22	0.25	0.26	0.21	0.19	0.16	0.14	0.16	0.21
CRMS 0162	0.14	0.11	0.18	0.20	0.23	0.25	0.23	0.18	0.12	0.11	0.12	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.01	0.09	0.13	0.16	0.17	0.15	0.10	0.08	0.07	0.04	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.01	-0.01	-0.01	-0.02	-0.01	0.02	0.00	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.01	0.06	0.10	0.12	0.13	0.12	0.02	-0.02	0.00	0.03	0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.02	0.03	0.08	0.13	0.14	0.07	0.00	0.00	0.00	0.00	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	0.04	0.08	0.10	0.12	0.08	0.00	-0.02	-0.01	0.00	0.05
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.02	0.05	0.08	0.09	0.05	0.00	-0.01	-0.01	0.00	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.04	0.05	0.06	0.04	0.00	-0.01	-0.01	-0.01	0.01
HWQ14 - Lake Washington	-0.03	-0.03	-0.02	0.03	0.06	0.07	0.04	0.00	-0.01	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.00	0.01	0.01	0.01	0.01	0.00	-0.01	0.00	0.00	0.01
CRMS 3985	-0.03	-0.02	0.00	0.03	0.07	0.08	0.02	-0.01	-0.01	-0.01	-0.02	-0.01
CRMS 0258	-0.03	-0.01	0.02	0.03	0.04	0.06	0.07	0.01	-0.02	-0.01	0.00	0.03
CRMS 0224	-0.02	-0.02	0.03	0.05	0.06	0.08	0.08	0.00	-0.02	-0.02	-0.01	0.04
CRMS 0163	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.02	0.00	0.00
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.01	0.00	-0.02

Figure WQ TOTP 230 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.13	0.12	0.09	0.09	0.09	0.10	0.09	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.17	0.21	0.23	0.21	0.16	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.22	0.25	0.26	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.14	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.14	0.12	0.10	0.09	0.10	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.12	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.13	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.13	0.12	0.12	0.14
HWQ14 - Lake Washington	0.18	0.16	0.14	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.16	0.17	0.15	0.13	0.11	0.12	0.10	0.10	0.11
CRMS 3985	0.16	0.16	0.14	0.12	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.16	0.13	0.14	0.18	0.20	0.16	0.12	0.13	0.15	0.13	0.14	0.15
CRMS 0224	0.16	0.13	0.14	0.16	0.18	0.15	0.12	0.13	0.15	0.13	0.13	0.15
CRMS 0163	0.18	0.20	0.24	0.26	0.27	0.24	0.23	0.20	0.19	0.17	0.16	0.16
CRMS 0162	0.16	0.17	0.21	0.24	0.25	0.24	0.24	0.19	0.16	0.15	0.12	0.13

V3PR8 HYST - cy 5 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.20	0.22	0.26	0.28	0.27	0.26	0.25	0.21	0.20	0.19	0.17	0.17
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.16	0.20	0.23	0.20	0.19	0.16	0.15	0.14	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.26	0.23	0.20	0.18	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.24	0.26	0.26	0.25	0.24	0.17	0.12	0.14	0.17	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.17	0.21	0.23	0.24	0.22	0.21	0.14	0.12	0.12	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.22	0.24	0.25	0.23	0.22	0.17	0.13	0.14	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.15	0.15	0.19	0.21	0.24	0.21	0.20	0.16	0.13	0.14	0.13	0.16
USGS073802516 Barataria Pass at Grand Isle	0.16	0.14	0.18	0.19	0.21	0.18	0.18	0.15	0.13	0.13	0.13	0.16
HWQ14 - Lake Washington	0.17	0.14	0.16	0.18	0.19	0.17	0.16	0.14	0.11	0.12	0.14	0.18
HWQ16 - Bayou Grand Liard	0.12	0.12	0.15	0.18	0.19	0.17	0.14	0.12	0.12	0.11	0.11	0.12
CRMS 3985	0.16	0.14	0.16	0.18	0.20	0.18	0.17	0.13	0.11	0.11	0.14	0.17
CRMS 0258	0.15	0.15	0.18	0.21	0.23	0.22	0.21	0.17	0.14	0.14	0.14	0.16
CRMS 0224	0.16	0.16	0.20	0.22	0.24	0.22	0.22	0.17	0.13	0.15	0.14	0.17
CRMS 0163	0.18	0.19	0.24	0.26	0.26	0.24	0.22	0.20	0.19	0.18	0.16	0.16
CRMS 0162	0.16	0.17	0.20	0.24	0.25	0.23	0.25	0.19	0.16	0.15	0.12	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.06	0.12	0.15	0.16	0.16	0.16	0.12	0.11	0.10	0.05	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.02	-0.01	-0.01	0.00	0.03	0.02	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	-0.01	-0.01	-0.01	0.00	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.05	0.11	0.12	0.12	0.13	0.14	0.06	0.00	0.03	0.05	0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.01	0.07	0.11	0.15	0.13	0.11	0.03	0.01	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.03	0.08	0.10	0.12	0.11	0.10	0.04	0.00	0.03	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	0.01	0.02	0.06	0.07	0.09	0.08	0.07	0.03	0.00	0.02	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	0.01	0.00	0.04	0.06	0.07	0.06	0.06	0.02	0.00	0.01	0.01	0.02
HWQ14 - Lake Washington	-0.01	-0.02	0.02	0.06	0.09	0.07	0.06	0.02	0.00	0.02	0.01	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.02	0.02	0.02	0.02	0.02	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	0.02	0.06	0.11	0.09	0.07	0.01	-0.01	0.01	0.01	0.02
CRMS 0258	-0.01	0.02	0.04	0.04	0.03	0.05	0.09	0.04	-0.01	0.01	0.01	0.01
CRMS 0224	0.00	0.03	0.06	0.06	0.06	0.08	0.09	0.04	-0.01	0.02	0.01	0.01
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 231 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.17	0.15	0.12	0.10	0.09	0.09	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.20	0.21	0.22	0.19	0.13	0.13	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.21	0.23	0.24	0.25	0.21	0.17	0.15	0.15	0.14	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.17	0.17	0.15	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.18	0.15	0.11	0.10	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.17	0.16	0.14	0.13	0.12	0.13	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.17	0.17	0.16	0.14	0.12	0.12	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.16	0.14	0.13	0.12	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.19	0.18	0.18	0.15	0.11	0.10	0.11	0.13	0.12	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.18	0.18	0.18	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.16	0.17	0.19	0.20	0.16	0.12	0.12	0.14	0.12	0.14	0.14
CRMS 0224	0.17	0.16	0.17	0.18	0.18	0.15	0.13	0.13	0.14	0.13	0.14	0.15
CRMS 0163	0.18	0.23	0.25	0.25	0.26	0.21	0.18	0.17	0.16	0.14	0.16	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.19	0.19	0.15	0.11	0.10	0.13	0.17

V3PR8 HYST - cy 5 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.25	0.27	0.27	0.27	0.21	0.20	0.18	0.17	0.16	0.17	0.21
CRMS0276 - Just east of Wilkinson Canal	0.13	0.16	0.18	0.20	0.21	0.18	0.12	0.12	0.13	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.20	0.23	0.23	0.25	0.21	0.16	0.15	0.15	0.14	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.23	0.25	0.25	0.26	0.16	0.12	0.11	0.10	0.10	0.17	0.19
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.20	0.23	0.23	0.24	0.14	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.21	0.23	0.23	0.25	0.15	0.11	0.12	0.11	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.14	0.18	0.21	0.21	0.23	0.16	0.12	0.11	0.12	0.11	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.14	0.17	0.20	0.20	0.20	0.15	0.11	0.11	0.12	0.11	0.13	0.15
HWQ14 - Lake Washington	0.15	0.16	0.18	0.18	0.19	0.13	0.11	0.12	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.17	0.18	0.18	0.15	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.15	0.16	0.19	0.19	0.20	0.13	0.11	0.12	0.12	0.11	0.13	0.15
CRMS 0258	0.15	0.18	0.20	0.21	0.23	0.16	0.11	0.11	0.12	0.12	0.14	0.15
CRMS 0224	0.15	0.19	0.22	0.22	0.23	0.16	0.11	0.12	0.12	0.12	0.14	0.16
CRMS 0163	0.18	0.22	0.25	0.24	0.26	0.21	0.18	0.17	0.15	0.14	0.17	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.19	0.19	0.15	0.11	0.11	0.13	0.17

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.07	0.10	0.11	0.15	0.11	0.11	0.09	0.07	0.07	0.04	0.05
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.06	0.09	0.09	0.11	0.03	0.02	0.00	-0.02	0.00	0.03	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	0.02	0.05	0.08	0.13	0.04	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.04	0.06	0.07	0.10	0.03	-0.01	-0.02	-0.02	-0.01	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.03	0.05	0.05	0.08	0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.01	0.03	0.04	0.06	0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
HWQ14 - Lake Washington	-0.04	-0.02	0.00	0.03	0.07	0.03	0.00	-0.01	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.03	-0.02	0.01	0.03	0.09	0.03	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.03	0.02	0.03	0.02	0.03	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	0.00
CRMS 0224	-0.02	0.03	0.05	0.04	0.05	0.00	-0.01	-0.02	-0.02	-0.01	0.00	0.01
CRMS 0163	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01

Figure WQ TOTP 232 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.17	0.15	0.12	0.10	0.08	0.08	0.09	0.09	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.18	0.18	0.17	0.13	0.13	0.12	0.15	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.16	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.17	0.15	0.12	0.09	0.09	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.13	0.12	0.11	0.12	0.12	0.13	0.13	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.15	0.13	0.11	0.12	0.11	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.16	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11	0.10	0.11	0.11
CRMS 3985	0.17	0.16	0.15	0.12	0.09	0.10	0.12	0.12	0.12	0.11	0.14	0.15
CRMS 0258	0.18	0.14	0.14	0.14	0.14	0.12	0.11	0.12	0.13	0.13	0.14	0.14
CRMS 0224	0.17	0.14	0.15	0.13	0.14	0.12	0.12	0.13	0.13	0.13	0.14	0.14
CRMS 0163	0.16	0.19	0.19	0.18	0.20	0.17	0.15	0.14	0.12	0.15	0.18	0.18
CRMS 0162	0.13	0.16	0.14	0.15	0.16	0.14	0.13	0.12	0.10	0.11	0.14	0.16

V3PR8 HYST - cy 5 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.21	0.20	0.20	0.22	0.18	0.17	0.16	0.16	0.17	0.18	0.18
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.13	0.14	0.14	0.13	0.10	0.11	0.12	0.12	0.13	0.12
Barataria Waterway at Lafitte (USACE82875)	0.14	0.16	0.17	0.18	0.18	0.17	0.13	0.12	0.12	0.14	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.17	0.15	0.17	0.10	0.11	0.10	0.10	0.10	0.15	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.15	0.15	0.13	0.14	0.09	0.10	0.11	0.10	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.14	0.17	0.10	0.10	0.12	0.11	0.11	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.13	0.13	0.14	0.11	0.10	0.11	0.12	0.11	0.13	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.12	0.13	0.10	0.10	0.11	0.12	0.11	0.13	0.14
HWQ14 - Lake Washington	0.17	0.14	0.14	0.12	0.12	0.09	0.10	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.11	0.10	0.08	0.09	0.10	0.10	0.11	0.11
CRMS 3985	0.16	0.14	0.14	0.12	0.11	0.09	0.10	0.12	0.12	0.11	0.13	0.15
CRMS 0258	0.16	0.14	0.13	0.13	0.15	0.11	0.10	0.11	0.12	0.12	0.14	0.14
CRMS 0224	0.15	0.14	0.14	0.13	0.15	0.11	0.10	0.11	0.12	0.12	0.14	0.14
CRMS 0163	0.15	0.18	0.19	0.18	0.20	0.17	0.15	0.14	0.13	0.15	0.18	0.18
CRMS 0162	0.13	0.15	0.14	0.15	0.16	0.14	0.13	0.12	0.10	0.11	0.14	0.16

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	0.04	0.05	0.08	0.12	0.10	0.09	0.08	0.07	0.07	0.04	0.03
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.01	0.02	0.03	0.06	-0.01	0.01	0.00	-0.02	-0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.02	0.00	0.01	0.05	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.00	0.01	0.05	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.01	0.00	0.03	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	-0.02	0.00	0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.04	-0.02	0.00	0.02	0.00	-0.01	0.00	0.00	-0.01	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.03	-0.01	0.00	0.02	0.00	-0.01	0.00	0.00	-0.01	-0.01	-0.01
CRMS 0258	-0.02	0.00	-0.01	-0.01	0.00	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0224	-0.02	0.00	-0.01	0.00	0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0163	0.00	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 233 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.20	0.18	0.15	0.11	0.09	0.09	0.10	0.10	0.09	0.13	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.19	0.19	0.20	0.19	0.19	0.14	0.14	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.23	0.22	0.23	0.22	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.19	0.18	0.16	0.13	0.12	0.10	0.11	0.12	0.11	0.14	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.20	0.19	0.16	0.11	0.09	0.11	0.11	0.11	0.10	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.14	0.13	0.13	0.13	0.13	0.12	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.16
HWQ14 - Lake Washington	0.20	0.20	0.19	0.15	0.11	0.10	0.11	0.12	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.12	0.10	0.11	0.12
CRMS 3985	0.19	0.20	0.20	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.17
CRMS 0258	0.19	0.17	0.19	0.18	0.17	0.16	0.12	0.13	0.15	0.13	0.14	0.16
CRMS 0224	0.19	0.17	0.18	0.17	0.16	0.15	0.13	0.14	0.15	0.13	0.14	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.23	0.21	0.19	0.18	0.16	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.20	0.20	0.22	0.22	0.19	0.14	0.13	0.12	0.14

V3PR8 HYST - cy 5 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.26	0.24	0.25	0.25	0.24	0.24	0.21	0.19	0.18	0.17	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.17	0.18	0.18	0.17	0.18	0.16	0.15	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.22	0.21	0.22	0.21	0.21	0.17	0.17	0.17	0.15	0.15	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.22	0.25	0.23	0.24	0.24	0.23	0.22	0.16	0.10	0.10	0.17	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.22	0.20	0.21	0.21	0.20	0.18	0.14	0.10	0.10	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.21	0.23	0.21	0.22	0.21	0.21	0.20	0.16	0.12	0.11	0.14	0.17
USGS 07380335 - Little Lake Near Cutoff	0.18	0.21	0.20	0.20	0.19	0.19	0.17	0.15	0.12	0.11	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.18	0.19	0.19	0.19	0.17	0.16	0.15	0.14	0.12	0.11	0.13	0.16
HWQ14 - Lake Washington	0.18	0.18	0.18	0.17	0.16	0.15	0.14	0.13	0.10	0.10	0.14	0.17
HWQ16 - Bayou Grand Liard	0.13	0.16	0.17	0.16	0.15	0.15	0.12	0.11	0.11	0.10	0.10	0.12
CRMS 3985	0.17	0.19	0.18	0.18	0.16	0.15	0.14	0.12	0.10	0.11	0.14	0.16
CRMS 0258	0.18	0.20	0.19	0.20	0.19	0.20	0.18	0.16	0.14	0.12	0.14	0.15
CRMS 0224	0.19	0.21	0.20	0.21	0.20	0.20	0.19	0.16	0.13	0.12	0.14	0.16
CRMS 0163	0.20	0.24	0.23	0.22	0.23	0.22	0.20	0.19	0.18	0.17	0.16	0.17
CRMS 0162	0.19	0.23	0.20	0.20	0.20	0.22	0.23	0.19	0.14	0.13	0.12	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.07	0.06	0.10	0.14	0.15	0.15	0.12	0.09	0.08	0.04	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.01	0.06	0.05	0.08	0.10	0.11	0.11	0.05	-0.03	-0.01	0.03	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.02	0.01	0.06	0.10	0.10	0.07	0.02	-0.01	0.00	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.02	0.05	0.03	0.06	0.08	0.09	0.08	0.03	-0.02	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.02	0.03	0.02	0.04	0.06	0.06	0.05	0.02	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.01	0.03	0.04	0.04	0.03	0.02	-0.01	-0.01	0.00	0.00
HWQ14 - Lake Washington	-0.02	-0.02	-0.01	0.02	0.04	0.05	0.03	0.01	-0.01	-0.01	0.00	0.00
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.01	-0.01	0.01	0.05	0.05	0.02	0.00	-0.01	-0.01	0.00	0.00
CRMS 0258	-0.01	0.02	0.01	0.02	0.02	0.04	0.06	0.03	-0.02	-0.01	0.00	0.00
CRMS 0224	0.01	0.04	0.02	0.03	0.04	0.06	0.07	0.03	-0.02	-0.01	0.00	0.00
CRMS 0163	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0162	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 234 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.13	0.11	0.10	0.09	0.10	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.19	0.21	0.23	0.16	0.14	0.15	0.13	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.15	0.20	0.23	0.25	0.26	0.21	0.18	0.17	0.15	0.15	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.17	0.14	0.14	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.16	0.13	0.10	0.09	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.17	0.14	0.13	0.13	0.13	0.14	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.16	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.14	0.15	0.16	0.13	0.11	0.12	0.10	0.10	0.12
CRMS 3985	0.17	0.17	0.15	0.13	0.09	0.10	0.13	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.15	0.15	0.17	0.18	0.18	0.13	0.13	0.15	0.13	0.14	0.14
CRMS 0224	0.17	0.15	0.16	0.16	0.16	0.16	0.13	0.14	0.15	0.13	0.14	0.15
CRMS 0163	0.17	0.16	0.22	0.24	0.26	0.26	0.22	0.19	0.18	0.15	0.16	0.22
CRMS 0162	0.15	0.12	0.19	0.21	0.24	0.26	0.23	0.19	0.14	0.12	0.12	0.21

V3PR8 HYST - cy 5 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.17	0.25	0.26	0.27	0.27	0.24	0.20	0.18	0.17	0.17	0.25
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.19	0.22	0.18	0.14	0.14	0.12	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.15	0.15	0.19	0.22	0.24	0.25	0.20	0.18	0.17	0.15	0.15	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.23	0.24	0.26	0.26	0.22	0.13	0.10	0.10	0.17	0.22
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.20	0.21	0.23	0.24	0.19	0.12	0.10	0.10	0.14	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.21	0.22	0.23	0.24	0.21	0.14	0.11	0.11	0.14	0.20
USGS 07380335 - Little Lake Near Cutoff	0.13	0.13	0.18	0.19	0.21	0.23	0.19	0.14	0.12	0.11	0.13	0.18
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.17	0.17	0.18	0.19	0.17	0.13	0.12	0.11	0.13	0.17
HWQ14 - Lake Washington	0.15	0.15	0.16	0.16	0.17	0.18	0.16	0.13	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.10	0.11	0.14	0.16	0.17	0.18	0.14	0.11	0.11	0.10	0.10	0.13
CRMS 3985	0.14	0.15	0.16	0.16	0.18	0.19	0.16	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.14	0.14	0.17	0.19	0.21	0.23	0.20	0.14	0.13	0.12	0.14	0.17
CRMS 0224	0.14	0.14	0.18	0.20	0.22	0.24	0.21	0.14	0.13	0.11	0.14	0.18
CRMS 0163	0.17	0.16	0.22	0.23	0.25	0.26	0.21	0.19	0.18	0.15	0.16	0.21
CRMS 0162	0.15	0.12	0.18	0.21	0.24	0.26	0.23	0.19	0.13	0.11	0.12	0.20

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.01	0.09	0.13	0.16	0.17	0.15	0.11	0.08	0.08	0.04	0.09
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.01	-0.01	-0.02	-0.02	-0.01	0.02	0.00	0.00	0.00	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.01	0.06	0.10	0.12	0.13	0.12	0.01	-0.03	0.00	0.03	0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.03	0.04	0.08	0.13	0.15	0.08	0.00	0.00	0.00	0.00	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	0.04	0.08	0.10	0.12	0.08	0.00	-0.02	-0.01	0.00	0.05
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.02	0.05	0.07	0.08	0.05	0.01	-0.01	-0.01	0.00	0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.03	0.05	0.06	0.04	0.00	-0.01	-0.01	0.00	0.01
HWQ14 - Lake Washington	-0.04	-0.03	-0.02	0.03	0.06	0.08	0.04	0.00	-0.01	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.03	-0.02	0.01	0.04	0.08	0.10	0.03	-0.01	-0.01	-0.01	-0.01	0.00
CRMS 0258	-0.03	-0.01	0.01	0.02	0.03	0.06	0.07	0.01	-0.02	-0.01	0.00	0.02
CRMS 0224	-0.02	-0.01	0.02	0.04	0.05	0.08	0.07	0.00	-0.02	-0.01	0.00	0.04
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ TOTP 235 - Monthly Average Total Phosphorus (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.13	0.12	0.09	0.09	0.09	0.10	0.09	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.14	0.17	0.21	0.23	0.21	0.16	0.14	0.15	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.18	0.22	0.25	0.26	0.24	0.22	0.19	0.18	0.17	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.13	0.14	0.15	0.12	0.10	0.11	0.12	0.11	0.13	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.14	0.12	0.10	0.09	0.10	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.12	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.13	0.14	0.15	0.14	0.13	0.13	0.13	0.12	0.12	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.13	0.13	0.13	0.12	0.12	0.13	0.12	0.12	0.14
HWQ14 - Lake Washington	0.18	0.16	0.14	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.12	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.16	0.17	0.15	0.13	0.11	0.12	0.10	0.10	0.11
CRMS 3985	0.16	0.16	0.14	0.12	0.09	0.09	0.10	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.16	0.13	0.14	0.18	0.20	0.16	0.12	0.13	0.15	0.13	0.14	0.15
CRMS 0224	0.16	0.13	0.14	0.16	0.18	0.15	0.12	0.13	0.15	0.13	0.13	0.15
CRMS 0163	0.18	0.20	0.24	0.26	0.27	0.24	0.23	0.20	0.19	0.17	0.16	0.16
CRMS 0162	0.16	0.17	0.21	0.24	0.25	0.24	0.24	0.19	0.16	0.15	0.12	0.13

V3PR9 HYST - cy 5 - 2008 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.14	0.12	0.11	0.09	0.09	0.09	0.09	0.09	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.13	0.13	0.16	0.20	0.23	0.19	0.14	0.13	0.14	0.12	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.17	0.21	0.24	0.25	0.23	0.20	0.17	0.17	0.15	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.15	0.14	0.14	0.14	0.11	0.10	0.11	0.11	0.10	0.12	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.16	0.14	0.12	0.09	0.09	0.11	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.15	0.14	0.13	0.13	0.12	0.12	0.13	0.13	0.12	0.12	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.13	0.14	0.14	0.14	0.13	0.12	0.12	0.13	0.12	0.11	0.14
USGS073802516 Barataria Pass at Grand Isle	0.15	0.14	0.14	0.13	0.13	0.12	0.12	0.12	0.13	0.12	0.12	0.14
HWQ14 - Lake Washington	0.18	0.16	0.15	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.13	0.16
HWQ16 - Bayou Grand Liard	0.11	0.11	0.13	0.15	0.16	0.14	0.11	0.10	0.11	0.10	0.10	0.11
CRMS 3985	0.16	0.16	0.15	0.12	0.09	0.10	0.13	0.12	0.11	0.11	0.13	0.16
CRMS 0258	0.17	0.13	0.14	0.17	0.19	0.16	0.12	0.13	0.15	0.13	0.13	0.15
CRMS 0224	0.16	0.13	0.14	0.15	0.17	0.14	0.12	0.13	0.14	0.12	0.12	0.15
CRMS 0163	0.17	0.19	0.23	0.25	0.26	0.24	0.22	0.19	0.18	0.15	0.15	0.15
CRMS 0162	0.15	0.15	0.20	0.23	0.24	0.23	0.24	0.18	0.14	0.13	0.12	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01
CRMS 0224	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01
CRMS 0163	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	0.00	0.00

Figure WQ TOTP 236 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.17	0.15	0.12	0.10	0.09	0.09	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.20	0.21	0.22	0.19	0.13	0.13	0.13	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.16	0.21	0.23	0.24	0.25	0.21	0.17	0.15	0.15	0.14	0.15	0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.17	0.17	0.15	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.18	0.15	0.11	0.10	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.17	0.17	0.17	0.16	0.14	0.13	0.12	0.13	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.15	0.16	0.17	0.17	0.16	0.14	0.12	0.12	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.17	0.16	0.14	0.13	0.12	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.19	0.18	0.18	0.15	0.11	0.10	0.11	0.13	0.12	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.14	0.16	0.16	0.17	0.14	0.10	0.10	0.11	0.10	0.10	0.12
CRMS 3985	0.18	0.18	0.18	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.16	0.17	0.19	0.20	0.16	0.12	0.12	0.14	0.12	0.14	0.14
CRMS 0224	0.17	0.16	0.17	0.18	0.18	0.15	0.13	0.13	0.14	0.13	0.14	0.15
CRMS 0163	0.18	0.23	0.25	0.25	0.26	0.21	0.18	0.17	0.16	0.14	0.16	0.19
CRMS 0162	0.17	0.21	0.22	0.22	0.24	0.19	0.19	0.15	0.11	0.10	0.13	0.17

V3PR9 HYST - cy 5 - 1994 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.16	0.15	0.13	0.10	0.09	0.08	0.09	0.09	0.09	0.13	0.15
CRMS0276 - Just east of Wilkinson Canal	0.13	0.15	0.18	0.20	0.21	0.17	0.12	0.12	0.12	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.15	0.19	0.22	0.23	0.24	0.20	0.15	0.14	0.13	0.12	0.14	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.15	0.14	0.13	0.11	0.09	0.11	0.11	0.11	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.16	0.13	0.09	0.09	0.10	0.11	0.10	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.15	0.15	0.14	0.12	0.12	0.11	0.12	0.12	0.12	0.13	0.14
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.15	0.15	0.14	0.13	0.11	0.11	0.12	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.15	0.14	0.12	0.12	0.11	0.12	0.12	0.12	0.12	0.14
HWQ14 - Lake Washington	0.17	0.16	0.16	0.13	0.10	0.10	0.11	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.12	0.14	0.15	0.15	0.13	0.09	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.16	0.16	0.16	0.13	0.10	0.10	0.12	0.12	0.11	0.11	0.13	0.14
CRMS 0258	0.16	0.15	0.16	0.17	0.18	0.15	0.11	0.12	0.13	0.12	0.13	0.14
CRMS 0224	0.15	0.14	0.15	0.16	0.16	0.14	0.12	0.13	0.13	0.12	0.13	0.14
CRMS 0163	0.17	0.22	0.24	0.24	0.26	0.20	0.17	0.15	0.12	0.12	0.16	0.18
CRMS 0162	0.16	0.20	0.21	0.21	0.23	0.18	0.17	0.14	0.11	0.10	0.12	0.15

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.02	-0.02	-0.03	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01
CRMS 3985	-0.02	-0.02	-0.02	-0.03	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0258	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01	0.00	-0.01	0.00	-0.01	-0.01
CRMS 0224	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
CRMS 0163	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.03	-0.02	-0.01	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.01	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	-0.02

Figure WQ TOTP 237 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.17	0.15	0.12	0.10	0.08	0.08	0.09	0.09	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.14	0.15	0.15	0.13	0.11	0.11	0.12	0.12	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.14	0.17	0.17	0.18	0.18	0.17	0.13	0.13	0.12	0.15	0.16	0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	0.20	0.16	0.15	0.13	0.12	0.10	0.10	0.10	0.11	0.11	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.17	0.15	0.12	0.09	0.09	0.11	0.11	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.15	0.13	0.12	0.11	0.12	0.12	0.13	0.13	0.14	0.15
USGS 07380335 - Little Lake Near Cutoff	0.14	0.14	0.14	0.13	0.12	0.12	0.11	0.11	0.12	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.15	0.13	0.11	0.12	0.11	0.12	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.16	0.12	0.10	0.10	0.11	0.12	0.11	0.11	0.14	0.16
HWQ16 - Bayou Grand Liard	0.11	0.12	0.12	0.11	0.11	0.11	0.09	0.09	0.11	0.10	0.11	0.11
CRMS 3985	0.17	0.16	0.15	0.12	0.09	0.10	0.12	0.12	0.12	0.11	0.14	0.15
CRMS 0258	0.18	0.14	0.14	0.14	0.14	0.12	0.11	0.12	0.13	0.13	0.14	0.14
CRMS 0224	0.17	0.14	0.15	0.13	0.14	0.12	0.12	0.13	0.13	0.13	0.14	0.14
CRMS 0163	0.16	0.19	0.19	0.18	0.20	0.17	0.15	0.14	0.12	0.15	0.18	0.18
CRMS 0162	0.13	0.16	0.14	0.15	0.16	0.14	0.13	0.12	0.10	0.11	0.14	0.16

V3PR9 HYST - cy 5 - 2006 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.15	0.14	0.11	0.09	0.07	0.08	0.09	0.10	0.10	0.13	0.14
CRMS0276 - Just east of Wilkinson Canal	0.12	0.12	0.12	0.14	0.13	0.12	0.10	0.10	0.11	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.13	0.15	0.16	0.17	0.17	0.16	0.11	0.11	0.11	0.12	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.14	0.13	0.11	0.10	0.09	0.09	0.10	0.12	0.11	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.15	0.14	0.11	0.09	0.08	0.10	0.10	0.10	0.10	0.13	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.13	0.11	0.10	0.10	0.11	0.12	0.12	0.12	0.13	0.13
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.13	0.11	0.10	0.11	0.10	0.10	0.12	0.12	0.12	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.13	0.11	0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.13
HWQ14 - Lake Washington	0.16	0.15	0.14	0.11	0.09	0.09	0.11	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.11	0.11	0.10	0.10	0.08	0.09	0.10	0.10	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.11	0.12	0.11	0.11	0.13	0.14
CRMS 0258	0.15	0.12	0.12	0.13	0.13	0.11	0.10	0.12	0.13	0.12	0.13	0.13
CRMS 0224	0.15	0.13	0.13	0.12	0.12	0.11	0.11	0.12	0.13	0.13	0.13	0.13
CRMS 0163	0.15	0.17	0.18	0.17	0.19	0.17	0.12	0.12	0.11	0.13	0.17	0.17
CRMS 0162	0.12	0.14	0.13	0.13	0.14	0.12	0.11	0.11	0.10	0.10	0.13	0.14

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.03	-0.02	-0.01	-0.02	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.02	-0.02	-0.01	-0.02	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.02	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01
CRMS 3985	-0.02	-0.02	-0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0258	-0.02	-0.01	-0.02	-0.01	-0.02	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.02	-0.02	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
CRMS 0163	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	-0.03	-0.02	-0.01	-0.03	-0.01	-0.01
CRMS 0162	-0.02	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	-0.02

Figure WQ TOTP 238 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.21	0.20	0.18	0.15	0.11	0.09	0.09	0.10	0.10	0.09	0.13	0.18
CRMS0276 - Just east of Wilkinson Canal	0.15	0.19	0.19	0.20	0.19	0.19	0.14	0.14	0.14	0.13	0.13	0.13
Barataria Waterway at Lafitte (USACE82875)	0.18	0.23	0.22	0.23	0.22	0.22	0.19	0.18	0.17	0.16	0.15	0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	0.21	0.19	0.18	0.16	0.13	0.12	0.10	0.11	0.12	0.11	0.14	0.18
USGS7380251 Barataria Bay North of Grand Isle	0.20	0.20	0.19	0.16	0.11	0.09	0.11	0.11	0.11	0.10	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.18	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.17
USGS 07380335 - Little Lake Near Cutoff	0.16	0.17	0.18	0.16	0.14	0.13	0.13	0.13	0.13	0.12	0.13	0.15
USGS073802516 Barataria Pass at Grand Isle	0.17	0.18	0.18	0.16	0.13	0.12	0.12	0.13	0.13	0.12	0.13	0.16
HWQ14 - Lake Washington	0.20	0.20	0.19	0.15	0.11	0.10	0.11	0.12	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.12	0.15	0.16	0.15	0.14	0.14	0.11	0.11	0.12	0.10	0.11	0.12
CRMS 3985	0.19	0.20	0.20	0.16	0.11	0.10	0.12	0.13	0.12	0.11	0.14	0.17
CRMS 0258	0.19	0.17	0.19	0.18	0.17	0.16	0.12	0.13	0.15	0.13	0.14	0.16
CRMS 0224	0.19	0.17	0.18	0.17	0.16	0.15	0.13	0.14	0.15	0.13	0.14	0.16
CRMS 0163	0.21	0.24	0.23	0.23	0.23	0.23	0.21	0.19	0.18	0.16	0.16	0.17
CRMS 0162	0.20	0.23	0.20	0.20	0.20	0.22	0.22	0.19	0.14	0.13	0.12	0.14

V3PR9 HYST - cy 5 - 2010 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.13	0.10	0.08	0.08	0.09	0.09	0.09	0.13	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.17	0.18	0.18	0.17	0.17	0.13	0.13	0.13	0.11	0.12	0.12
Barataria Waterway at Lafitte (USACE82875)	0.16	0.21	0.21	0.21	0.21	0.21	0.17	0.16	0.15	0.13	0.14	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.17	0.16	0.14	0.12	0.11	0.09	0.10	0.11	0.10	0.13	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.17	0.13	0.09	0.09	0.10	0.11	0.10	0.10	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.17	0.16	0.14	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.14	0.16	0.16	0.14	0.12	0.12	0.11	0.12	0.12	0.11	0.11	0.13
USGS073802516 Barataria Pass at Grand Isle	0.15	0.16	0.16	0.14	0.12	0.11	0.11	0.12	0.12	0.11	0.12	0.14
HWQ14 - Lake Washington	0.18	0.18	0.17	0.13	0.10	0.10	0.11	0.12	0.11	0.10	0.13	0.16
HWQ16 - Bayou Grand Liard	0.11	0.14	0.14	0.14	0.12	0.12	0.10	0.10	0.11	0.10	0.10	0.11
CRMS 3985	0.17	0.18	0.18	0.14	0.10	0.10	0.12	0.12	0.11	0.10	0.13	0.15
CRMS 0258	0.17	0.16	0.17	0.16	0.15	0.14	0.11	0.12	0.14	0.12	0.12	0.14
CRMS 0224	0.16	0.16	0.16	0.15	0.14	0.13	0.12	0.13	0.13	0.12	0.12	0.14
CRMS 0163	0.19	0.23	0.22	0.22	0.23	0.22	0.20	0.19	0.16	0.14	0.16	0.16
CRMS 0162	0.19	0.22	0.19	0.19	0.19	0.21	0.21	0.18	0.13	0.11	0.12	0.13

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.02	-0.01	-0.01	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.02	-0.01	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.02	-0.02	-0.03	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
HWQ14 - Lake Washington	-0.03	-0.02	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 3985	-0.02	-0.02	-0.02	-0.03	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0258	-0.02	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01
CRMS 0224	-0.03	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
CRMS 0163	-0.02	-0.01	0.00	-0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.03	-0.01	-0.01
CRMS 0162	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	0.00	-0.01

Figure WQ TOTP 239 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.19	0.18	0.16	0.13	0.11	0.10	0.09	0.10	0.10	0.09	0.14	0.16
CRMS0276 - Just east of Wilkinson Canal	0.14	0.13	0.16	0.19	0.21	0.23	0.16	0.14	0.15	0.13	0.13	0.14
Barataria Waterway at Lafitte (USACE82875)	0.16	0.15	0.20	0.23	0.25	0.26	0.21	0.18	0.17	0.15	0.15	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	0.19	0.18	0.17	0.14	0.14	0.13	0.10	0.11	0.12	0.11	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.18	0.18	0.16	0.13	0.10	0.09	0.11	0.12	0.11	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.16	0.16	0.17	0.14	0.13	0.13	0.13	0.14	0.13	0.12	0.13	0.16
USGS 07380335 - Little Lake Near Cutoff	0.14	0.15	0.16	0.15	0.14	0.14	0.14	0.13	0.13	0.12	0.13	0.14
USGS073802516 Barataria Pass at Grand Isle	0.16	0.16	0.16	0.14	0.13	0.13	0.13	0.13	0.13	0.12	0.13	0.15
HWQ14 - Lake Washington	0.18	0.18	0.17	0.13	0.10	0.10	0.12	0.13	0.11	0.11	0.14	0.17
HWQ16 - Bayou Grand Liard	0.11	0.12	0.13	0.14	0.15	0.16	0.13	0.11	0.12	0.10	0.10	0.12
CRMS 3985	0.17	0.17	0.15	0.13	0.09	0.10	0.13	0.13	0.12	0.11	0.14	0.16
CRMS 0258	0.17	0.15	0.15	0.17	0.18	0.18	0.13	0.13	0.15	0.13	0.14	0.14
CRMS 0224	0.17	0.15	0.16	0.16	0.16	0.16	0.13	0.14	0.15	0.13	0.14	0.15
CRMS 0163	0.17	0.16	0.22	0.24	0.26	0.26	0.22	0.19	0.18	0.15	0.16	0.22
CRMS 0162	0.15	0.12	0.19	0.21	0.24	0.26	0.23	0.19	0.14	0.12	0.12	0.21

V3PR9 HYST - cy 5 - 2011 (FWP)												
	monthly average TotP (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.14	0.12	0.10	0.09	0.09	0.09	0.09	0.09	0.13	0.14
CRMS0276 - Just east of Wilkinson Canal	0.13	0.12	0.14	0.18	0.20	0.21	0.15	0.13	0.13	0.11	0.12	0.13
Barataria Waterway at Lafitte (USACE82875)	0.15	0.14	0.18	0.21	0.23	0.25	0.19	0.17	0.15	0.13	0.14	0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.14	0.13	0.13	0.12	0.09	0.10	0.11	0.10	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.16	0.16	0.14	0.11	0.09	0.09	0.11	0.10	0.09	0.09	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.14	0.12	0.12	0.11	0.12	0.13	0.12	0.12	0.12	0.14
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.14	0.13	0.13	0.13	0.12	0.12	0.12	0.11	0.12	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.14	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.14
HWQ14 - Lake Washington	0.16	0.16	0.15	0.11	0.09	0.09	0.11	0.12	0.11	0.11	0.13	0.15
HWQ16 - Bayou Grand Liard	0.10	0.11	0.12	0.13	0.14	0.15	0.12	0.10	0.11	0.10	0.10	0.11
CRMS 3985	0.15	0.15	0.14	0.11	0.09	0.09	0.12	0.10	0.08	0.09	0.11	0.13
CRMS 0258	0.15	0.13	0.14	0.15	0.16	0.16	0.12	0.12	0.14	0.12	0.13	0.13
CRMS 0224	0.14	0.14	0.14	0.14	0.15	0.14	0.12	0.13	0.13	0.12	0.13	0.13
CRMS 0163	0.16	0.15	0.21	0.22	0.25	0.26	0.21	0.19	0.15	0.13	0.16	0.21
CRMS 0162	0.14	0.13	0.18	0.20	0.23	0.25	0.22	0.18	0.12	0.11	0.12	0.19

Difference (FWP-FWOP)												
	monthly average TotP difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.02	-0.01	-0.01	-0.02	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.02	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.02	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	-0.02	0.00	0.00	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	-0.02	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.03	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.02
HWQ14 - Lake Washington	-0.03	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.02
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	-0.01	-0.01
CRMS 3985	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.03	-0.03	-0.02	-0.03	-0.03
CRMS 0258	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01
CRMS 0224	-0.02	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0163	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01	0.00	-0.03	-0.03	0.00	-0.01
CRMS 0162	-0.01	0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.02

Figure WQ TOTP 240 - Monthly Average Total Phosphorus (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve

6.0 PHOSPHATE (PO_4) DATA TABLES

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.08	0.01	0.01	0.02	0.03	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.03	0.02	0.02	0.03	0.06	0.06	0.07	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.07	0.04	0.02	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.08	0.05	0.06	0.06	0.08	0.08	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.13	0.06	0.02	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.12	0.05	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.01	0.02	0.05	0.04	0.07	0.05	0.10	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.09	0.09	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.08	0.10	0.10	0.07	0.06	0.05	0.06	0.04	0.07	0.05	0.06	0.08
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.08	0.09	0.09	0.10	0.12	0.15
CRMS 0258	0.16	0.16	0.14	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.11	0.18
CRMS 0224	0.16	0.16	0.13	0.04	0.00	0.01	0.01	0.01	0.02	0.01	0.09	0.15
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.03	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

V3PR2 HYST - cy 0 - 1970 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.12	0.11	0.10	0.09	0.11	0.09	0.08	0.08	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.05	0.03	0.02	0.01	0.02	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.13	0.11	0.10	0.09	0.11	0.02	0.00	0.02	0.03	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.09	0.07	0.04	0.04	0.06	0.10	0.09	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.12	0.09	0.09	0.07	0.04	0.04	0.05	0.05	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.07	0.07	0.06	0.05	0.05	0.06	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.04	0.03	0.03	0.03	0.06	0.05	0.10	0.15
HWQ14 - Lake Washington	0.14	0.16	0.13	0.07	0.06	0.06	0.07	0.09	0.10	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.10	0.07	0.05	0.05	0.06	0.04	0.06	0.06	0.07	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.06	0.09	0.12	0.12	0.12	0.14	0.16
CRMS 0258	0.13	0.15	0.13	0.06	0.02	0.01	0.00	0.00	0.01	0.01	0.11	0.15
CRMS 0224	0.12	0.14	0.12	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.10	0.13
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.02	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.02	0.08	0.10	0.07	0.05	0.06	0.07	0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.05	0.03	0.09	0.10	0.02	0.00	0.01	0.02	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.02	0.00	0.02	-0.02	-0.02	-0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.01	0.03	0.07	0.03	-0.02	-0.02	-0.01	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.00	0.02	0.06	0.03	-0.02	-0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.00	0.02	0.01	-0.02	-0.01	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.03	0.03	0.02	0.02	0.01
CRMS 0258	-0.03	-0.01	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.03
CRMS 0224	-0.03	-0.02	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 1 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.13	0.06	0.01	0.01	0.01	0.02	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.02	0.01	0.02	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.09	0.08	0.05	0.02	0.01	0.01	0.01	0.01	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.09	0.10	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.12	0.05	0.02	0.03	0.05	0.07	0.06	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.10	0.05	0.02	0.03	0.05	0.07	0.08	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.11	0.05	0.01	0.01	0.03	0.05	0.08	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.07	0.09	0.12	0.10	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.06	0.05	0.06	0.05	0.07	0.04	0.05	0.09
CRMS 3985	0.12	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.10	0.09	0.12	0.15
CRMS 0258	0.14	0.14	0.11	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.11	0.16
CRMS 0224	0.14	0.15	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

V3PR2 HYST - cy 0 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.01
CRMS0276 - Just east of Wilkinson Canal	0.11	0.10	0.07	0.05	0.03	0.02	0.01	0.01	0.05	0.04	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.13	0.11	0.10	0.08	0.06	0.01	0.01	0.01	0.01	0.01	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.00	0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.04	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.07	0.05	0.03	0.02	0.04	0.06	0.07	0.09	0.09	0.13	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.03	0.02	0.02	0.01	0.03	0.04	0.03	0.03	0.03	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.05	0.03	0.02	0.02	0.03	0.03	0.02	0.03	0.02	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.13	0.09	0.06	0.03	0.02	0.02	0.02	0.01	0.03	0.02	0.07	0.12
HWQ14 - Lake Washington	0.16	0.13	0.10	0.05	0.04	0.04	0.05	0.06	0.08	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.09	0.09	0.06	0.03	0.02	0.03	0.05	0.05	0.06	0.03	0.04	0.08
CRMS 3985	0.15	0.13	0.11	0.06	0.04	0.04	0.08	0.12	0.12	0.13	0.15	0.15
CRMS 0258	0.08	0.06	0.05	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.08
CRMS 0224	0.07	0.04	0.03	0.02	0.01	0.02	0.03	0.02	0.01	0.01	0.05	0.07
CRMS 0163	0.13	0.12	0.10	0.10	0.10	0.05	0.03	0.02	0.04	0.04	0.12	0.13
CRMS 0162	0.12	0.10	0.09	0.10	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.14	-0.16	-0.13	-0.06	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.10	-0.15
CRMS0276 - Just east of Wilkinson Canal	0.02	-0.01	-0.02	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.14	-0.17	-0.13	-0.04	0.00	0.01	0.01	0.02	0.02	0.01	-0.06	-0.15
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.08	-0.08	-0.05	-0.03	-0.02	-0.03	-0.03	-0.01	0.01	0.00	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.12	-0.10	-0.04	-0.01	0.00	-0.02	-0.04	-0.04	-0.02	-0.02	-0.06
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.09	-0.08	-0.03	0.00	0.00	-0.02	-0.05	-0.05	-0.03	-0.02	-0.04
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.05	-0.05	-0.01	0.01	0.01	-0.01	-0.03	-0.05	-0.02	-0.02	-0.02
HWQ14 - Lake Washington	0.03	-0.03	-0.03	-0.02	-0.01	-0.02	-0.04	-0.06	-0.02	-0.01	0.00	0.00
HWQ16 - Bayou Grand Liard	0.02	-0.01	-0.03	-0.03	-0.03	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
CRMS 3985	0.04	0.00	-0.02	-0.03	-0.04	-0.05	-0.03	0.00	0.02	0.03	0.03	0.01
CRMS 0258	-0.06	-0.08	-0.07	-0.01	0.01	0.00	0.00	0.01	0.00	0.00	-0.04	-0.07
CRMS 0224	-0.07	-0.11	-0.08	-0.01	0.00	0.01	0.02	0.02	0.00	0.00	-0.04	-0.09
CRMS 0163	0.02	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00
CRMS 0162	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 2 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.16	0.09	0.02	0.01	0.03	0.04	0.03	0.03	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.02	0.02	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.16	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.09	0.05	0.06	0.06	0.08	0.09	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.16	0.13	0.07	0.03	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.06	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.02	0.01	0.04	0.04	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.08	0.09	0.09	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.05	0.05	0.05	0.03	0.06	0.05	0.06	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.07	0.07	0.09	0.09	0.09	0.12	0.15
CRMS 0258	0.17	0.15	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.16
CRMS 0224	0.15	0.16	0.13	0.05	0.01	0.01	0.01	0.01	0.02	0.02	0.09	0.15
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

V3PR2 HYST - cy 0 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.11	0.11	0.11	0.10	0.09	0.09	0.08	0.07	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.05	0.02	0.01	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.12	0.13	0.09	0.09	0.01	0.00	0.00	0.01	0.02	0.12	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.14	0.08	0.05	0.04	0.06	0.07	0.10	0.09	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.12	0.06	0.06	0.02	0.04	0.04	0.05	0.05	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.04	0.02	0.04	0.05	0.07	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.10	0.05	0.02	0.01	0.03	0.04	0.07	0.05	0.10	0.15
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.05	0.08	0.10	0.10	0.09	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.04	0.05	0.05	0.03	0.06	0.05	0.07	0.10
CRMS 3985	0.12	0.15	0.15	0.09	0.07	0.07	0.11	0.13	0.11	0.11	0.14	0.15
CRMS 0258	0.14	0.14	0.13	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.15
CRMS 0224	0.13	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.09	0.13
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.04	0.02	0.09	0.08	0.06	0.03	0.04	0.07	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.03	0.01	0.08	0.00	0.00	0.00	0.01	0.02	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.02	0.00	0.00	-0.01	-0.02	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.02	-0.01	0.00	0.03	-0.01	-0.02	-0.02	-0.01	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.02	0.00	0.02	-0.01	-0.02	-0.01	0.00	-0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.02	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.01	0.01	0.00	0.01	0.04	0.04	0.02	0.02	0.02	0.00
CRMS 0258	-0.02	-0.01	-0.02	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.02	-0.02	-0.03	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 3 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.14	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.17
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.10	0.06	0.03	0.02	0.02	0.02	0.05	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.08	0.03	0.03	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.08	0.05	0.07	0.07	0.06	0.09	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.12	0.06	0.02	0.04	0.06	0.05	0.05	0.05	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.10	0.05	0.02	0.03	0.07	0.05	0.06	0.05	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.11	0.05	0.01	0.02	0.05	0.03	0.06	0.04	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.13	0.08	0.05	0.07	0.09	0.08	0.09	0.08	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.06	0.05	0.06	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.09	0.09	0.08	0.10	0.10	0.10	0.13	0.15
CRMS 0258	0.15	0.13	0.12	0.05	0.01	0.01	0.01	0.01	0.01	0.00	0.11	0.17
CRMS 0224	0.16	0.15	0.10	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

V3PR2 HYST - cy 0 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.10	0.09	0.10	0.10	0.10	0.09	0.08	0.10	0.13	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.09	0.06	0.02	0.02	0.02	0.02	0.05	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.07	0.02	0.03	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.06	0.02	0.03	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.12	0.09	0.07	0.06	0.06	0.05	0.08	0.09	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.11	0.09	0.08	0.08	0.08	0.05	0.03	0.04	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.08	0.07	0.07	0.08	0.06	0.05	0.05	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.12	0.12	0.06	0.04	0.03	0.05	0.04	0.04	0.04	0.10	0.15
HWQ14 - Lake Washington	0.14	0.14	0.13	0.07	0.06	0.06	0.08	0.09	0.08	0.08	0.14	0.17
HWQ16 - Bayou Grand Liard	0.09	0.10	0.09	0.07	0.05	0.06	0.06	0.07	0.07	0.06	0.06	0.08
CRMS 3985	0.13	0.14	0.14	0.09	0.08	0.07	0.08	0.10	0.11	0.13	0.15	0.16
CRMS 0258	0.12	0.11	0.12	0.06	0.01	0.01	0.01	0.01	0.01	0.00	0.10	0.16
CRMS 0224	0.12	0.11	0.11	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.08	-0.04	0.03	0.09	0.09	0.09	0.09	0.07	0.09	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.08	-0.03	0.05	0.09	0.10	0.10	0.06	0.01	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.02	0.01	0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.05	-0.01	0.04	0.06	0.04	0.02	0.01	-0.02	-0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.03	0.01	0.03	0.05	0.04	0.01	0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	0.01	0.01	0.02	0.02	0.00	0.01	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.00	0.01	-0.01	-0.01	0.01	-0.01	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	-0.01	-0.01	-0.02	0.00	0.00	0.01	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.04	-0.04	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 4 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.14	0.08	0.04	0.06	0.07	0.09	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.13	0.06	0.02	0.03	0.05	0.05	0.06	0.06	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.11	0.14	0.12	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.05	0.01	0.01	0.03	0.03	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.04	0.06	0.09	0.10	0.11	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.11	0.13	0.11	0.09	0.12	0.15
CRMS 0258	0.15	0.17	0.13	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.11	0.15
CRMS 0224	0.14	0.15	0.13	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.08	0.16
CRMS 0163	0.11	0.14	0.12	0.11	0.09	0.08	0.04	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

V3PR2 HYST - cy 0 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.12	0.13	0.09	0.09	0.08	0.09	0.10	0.09	0.08	0.10	0.12	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.12	0.11	0.06	0.04	0.03	0.02	0.01	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.14	0.10	0.09	0.08	0.09	0.11	0.01	0.02	0.02	0.13	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.12	0.09	0.07	0.06	0.06	0.05	0.08	0.09	0.14	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.15	0.11	0.09	0.08	0.08	0.08	0.04	0.04	0.05	0.11	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.14	0.11	0.08	0.07	0.08	0.08	0.05	0.05	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.15	0.12	0.06	0.04	0.04	0.05	0.03	0.04	0.05	0.10	0.13
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.06	0.06	0.08	0.08	0.08	0.09	0.13	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.10	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.10
CRMS 3985	0.13	0.15	0.14	0.08	0.07	0.06	0.08	0.11	0.12	0.12	0.15	0.15
CRMS 0258	0.12	0.17	0.12	0.06	0.02	0.01	0.01	0.00	0.01	0.00	0.10	0.13
CRMS 0224	0.11	0.15	0.12	0.06	0.01	0.02	0.01	0.00	0.01	0.01	0.09	0.12
CRMS 0163	0.11	0.14	0.12	0.11	0.09	0.08	0.03	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.04	-0.05	-0.05	0.03	0.07	0.08	0.10	0.08	0.07	0.08	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.01	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.03	-0.05	0.04	0.08	0.08	0.10	0.01	0.01	0.02	0.02	-0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	-0.02	0.01	0.03	0.00	-0.01	-0.04	-0.02	0.01	0.02	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	-0.02	0.03	0.06	0.06	0.04	-0.01	-0.03	-0.01	0.01	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.00	0.03	0.06	0.05	0.03	0.00	-0.02	-0.01	0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.01	0.03	0.03	0.02	0.00	-0.03	0.00	0.01	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	-0.02	-0.03	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.01	0.00	0.00	0.00	0.00	-0.02	-0.03	-0.02	0.00	0.03	0.02	0.01
CRMS 0258	-0.03	0.00	-0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	-0.03	0.00	-0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 5 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.08	0.01	0.01	0.02	0.03	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.03	0.02	0.02	0.03	0.06	0.06	0.07	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.07	0.04	0.02	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.08	0.05	0.06	0.06	0.08	0.08	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.13	0.06	0.02	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.12	0.05	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.01	0.02	0.05	0.04	0.07	0.05	0.10	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.09	0.09	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.08	0.10	0.10	0.07	0.06	0.05	0.06	0.04	0.07	0.05	0.06	0.08
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.08	0.09	0.09	0.10	0.12	0.15
CRMS 0258	0.16	0.16	0.14	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.11	0.18
CRMS 0224	0.16	0.16	0.13	0.04	0.00	0.01	0.01	0.01	0.02	0.01	0.09	0.15
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.03	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

V3PR3 HYST - cy 0 - 1970 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.12	0.11	0.10	0.09	0.11	0.09	0.08	0.08	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.05	0.03	0.02	0.01	0.02	0.05	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.13	0.11	0.10	0.09	0.11	0.02	0.00	0.01	0.02	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.09	0.07	0.05	0.04	0.06	0.10	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.12	0.09	0.09	0.07	0.04	0.04	0.05	0.05	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.07	0.07	0.06	0.05	0.05	0.06	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.04	0.03	0.03	0.03	0.06	0.05	0.10	0.15
HWQ14 - Lake Washington	0.14	0.16	0.13	0.07	0.06	0.06	0.07	0.09	0.10	0.09	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.10	0.06	0.05	0.05	0.06	0.04	0.06	0.06	0.07	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.06	0.09	0.12	0.12	0.12	0.14	0.15
CRMS 0258	0.13	0.15	0.13	0.06	0.02	0.01	0.00	0.00	0.01	0.01	0.11	0.15
CRMS 0224	0.12	0.14	0.12	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.10	0.13
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.02	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.02	0.08	0.10	0.07	0.06	0.06	0.07	0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.04	0.03	0.09	0.10	0.01	0.00	0.01	0.01	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.02	0.00	0.03	-0.02	-0.02	-0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.01	0.03	0.07	0.03	-0.02	-0.02	-0.01	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.00	0.02	0.06	0.03	-0.02	-0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.00	0.02	0.01	-0.02	-0.01	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.00	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.03	0.02	0.02	0.02	0.00
CRMS 0258	-0.03	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.03
CRMS 0224	-0.03	-0.02	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 6 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.13	0.06	0.01	0.01	0.01	0.02	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.02	0.01	0.02	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.09	0.08	0.05	0.02	0.01	0.01	0.01	0.01	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.09	0.10	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.12	0.05	0.02	0.03	0.05	0.07	0.06	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.10	0.05	0.02	0.03	0.05	0.07	0.08	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.11	0.05	0.01	0.01	0.03	0.05	0.08	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.07	0.09	0.12	0.10	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.06	0.05	0.06	0.05	0.07	0.04	0.05	0.09
CRMS 3985	0.12	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.10	0.09	0.12	0.15
CRMS 0258	0.14	0.14	0.11	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.11	0.16
CRMS 0224	0.14	0.15	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

V3PR3 HYST - cy 0 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.09	0.08	0.09	0.08	0.09	0.09	0.08	0.08	0.10	0.12	0.11
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.09	0.06	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.10	0.08	0.05	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.10	0.09	0.09	0.09	0.03	0.00	0.00	0.01	0.01	0.13	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.10	0.09	0.07	0.04	0.05	0.07	0.10	0.10	0.14	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.10	0.09	0.08	0.04	0.03	0.04	0.05	0.05	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.10	0.08	0.08	0.04	0.04	0.05	0.06	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.11	0.13	0.11	0.06	0.04	0.02	0.02	0.03	0.06	0.05	0.10	0.15
HWQ14 - Lake Washington	0.12	0.14	0.12	0.07	0.06	0.05	0.07	0.09	0.10	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.06	0.06	0.05	0.05	0.06	0.07	0.05	0.05	0.10
CRMS 3985	0.12	0.14	0.13	0.08	0.07	0.07	0.10	0.13	0.12	0.12	0.14	0.15
CRMS 0258	0.11	0.12	0.10	0.06	0.02	0.00	0.01	0.00	0.01	0.01	0.11	0.15
CRMS 0224	0.11	0.12	0.10	0.06	0.02	0.01	0.01	0.01	0.01	0.01	0.10	0.13
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.03	0.08	0.08	0.08	0.06	0.06	0.08	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.05	0.04	0.08	0.03	0.00	0.00	0.01	0.01	0.02	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.03	-0.03	0.01	0.02	-0.02	-0.03	-0.03	0.00	0.02	0.02	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.04	-0.02	0.04	0.06	0.01	-0.02	-0.03	-0.02	0.00	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.03	0.06	0.01	-0.01	-0.02	-0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.00	0.01	0.03	0.01	-0.01	-0.02	-0.02	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.00	0.01	-0.01	-0.02	-0.02	0.00	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	-0.01	-0.01	-0.02	-0.02	0.01	0.02	0.03	0.02	0.01
CRMS 0258	-0.03	-0.02	-0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.03	-0.03	0.00	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 7 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.16	0.09	0.02	0.01	0.03	0.04	0.03	0.03	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.02	0.02	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.16	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.09	0.05	0.06	0.06	0.08	0.09	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.16	0.13	0.07	0.03	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.06	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.02	0.01	0.04	0.04	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.08	0.09	0.09	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.05	0.05	0.05	0.03	0.06	0.05	0.06	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.07	0.07	0.09	0.09	0.09	0.12	0.15
CRMS 0258	0.17	0.15	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.16
CRMS 0224	0.15	0.16	0.13	0.05	0.01	0.01	0.01	0.01	0.02	0.02	0.09	0.15
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

V3PR3 HYST - cy 0 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.11	0.11	0.11	0.10	0.09	0.09	0.08	0.07	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.05	0.02	0.01	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.12	0.13	0.08	0.09	0.00	0.00	0.00	0.01	0.02	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.14	0.08	0.05	0.04	0.06	0.07	0.10	0.09	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.12	0.06	0.06	0.02	0.04	0.05	0.05	0.05	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.04	0.02	0.04	0.05	0.07	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.10	0.05	0.02	0.01	0.03	0.04	0.07	0.05	0.10	0.15
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.05	0.08	0.10	0.10	0.09	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.04	0.05	0.05	0.03	0.06	0.05	0.06	0.10
CRMS 3985	0.12	0.15	0.15	0.09	0.07	0.07	0.11	0.13	0.11	0.11	0.14	0.15
CRMS 0258	0.14	0.14	0.13	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.15
CRMS 0224	0.13	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.09	0.13
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.04	0.02	0.09	0.08	0.06	0.03	0.04	0.07	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.06	-0.03	0.00	0.08	0.00	0.00	0.00	0.00	0.01	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.02	0.00	0.00	-0.01	-0.02	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.02	-0.01	0.00	0.03	-0.01	-0.02	-0.02	-0.01	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.02	0.00	0.02	-0.01	-0.02	-0.01	0.00	-0.01	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.02	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.01	-0.01	0.00	0.01	-0.01	0.00	0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.01	0.01	0.00	0.01	0.04	0.04	0.02	0.02	0.02	0.00
CRMS 0258	-0.02	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.02	-0.02	-0.03	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 8 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.14	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.17
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.10	0.06	0.03	0.02	0.02	0.02	0.05	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.08	0.03	0.03	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.08	0.05	0.07	0.07	0.06	0.09	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.12	0.06	0.02	0.04	0.06	0.05	0.05	0.05	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.10	0.05	0.02	0.03	0.07	0.05	0.06	0.05	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.11	0.05	0.01	0.02	0.05	0.03	0.06	0.04	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.13	0.08	0.05	0.07	0.09	0.08	0.09	0.08	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.06	0.05	0.06	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.09	0.09	0.08	0.10	0.10	0.10	0.13	0.15
CRMS 0258	0.15	0.13	0.12	0.05	0.01	0.01	0.01	0.01	0.01	0.00	0.11	0.17
CRMS 0224	0.16	0.15	0.10	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

V3PR3 HYST - cy 0 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.10	0.09	0.10	0.10	0.10	0.09	0.08	0.10	0.13	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.09	0.06	0.02	0.02	0.02	0.02	0.05	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.07	0.02	0.03	0.02	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.06	0.01	0.02	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.12	0.09	0.08	0.06	0.06	0.05	0.08	0.09	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.11	0.09	0.08	0.08	0.08	0.05	0.03	0.04	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.08	0.07	0.07	0.08	0.06	0.05	0.05	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.12	0.12	0.06	0.04	0.03	0.05	0.04	0.04	0.04	0.10	0.15
HWQ14 - Lake Washington	0.14	0.14	0.13	0.07	0.06	0.06	0.08	0.09	0.08	0.08	0.14	0.17
HWQ16 - Bayou Grand Liard	0.09	0.10	0.09	0.07	0.05	0.06	0.06	0.07	0.07	0.06	0.06	0.08
CRMS 3985	0.13	0.14	0.14	0.09	0.08	0.07	0.08	0.10	0.11	0.13	0.15	0.16
CRMS 0258	0.12	0.11	0.12	0.06	0.01	0.01	0.01	0.01	0.01	0.00	0.10	0.16
CRMS 0224	0.12	0.11	0.11	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.14
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.08	-0.04	0.03	0.09	0.09	0.09	0.09	0.07	0.09	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.08	-0.03	0.05	0.09	0.10	0.10	0.06	0.01	0.01	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.02	0.01	0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.05	-0.01	0.04	0.06	0.04	0.02	0.01	-0.02	-0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.03	0.01	0.03	0.05	0.04	0.01	0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	0.01	0.01	0.02	0.02	0.00	0.01	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.01	0.00	0.01	-0.01	-0.01	0.01	-0.01	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	-0.01	-0.01	-0.02	0.00	0.00	0.01	0.02	0.02	0.01
CRMS 0258	-0.03	-0.02	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.04	-0.04	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 9 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.14	0.08	0.04	0.06	0.07	0.09	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.13	0.06	0.02	0.03	0.05	0.05	0.06	0.06	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.11	0.14	0.12	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.05	0.01	0.01	0.03	0.03	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.04	0.06	0.09	0.10	0.11	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.11	0.13	0.11	0.09	0.12	0.15
CRMS 0258	0.15	0.17	0.13	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.11	0.15
CRMS 0224	0.14	0.15	0.13	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.08	0.16
CRMS 0163	0.11	0.14	0.12	0.11	0.09	0.08	0.04	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

V3PR3 HYST - cy 0 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.13	0.09	0.09	0.08	0.09	0.10	0.09	0.08	0.10	0.12	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.12	0.10	0.06	0.04	0.03	0.02	0.01	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.15	0.10	0.09	0.08	0.09	0.11	0.01	0.01	0.02	0.12	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.12	0.09	0.07	0.06	0.06	0.05	0.08	0.10	0.14	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.15	0.11	0.09	0.08	0.08	0.08	0.04	0.04	0.05	0.11	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.14	0.12	0.08	0.07	0.08	0.08	0.05	0.05	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.15	0.13	0.06	0.04	0.04	0.05	0.03	0.05	0.05	0.10	0.13
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.06	0.06	0.08	0.08	0.08	0.09	0.13	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.10	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.10
CRMS 3985	0.13	0.15	0.14	0.08	0.07	0.06	0.08	0.11	0.12	0.12	0.15	0.15
CRMS 0258	0.12	0.17	0.12	0.06	0.02	0.01	0.01	0.00	0.01	0.00	0.10	0.13
CRMS 0224	0.11	0.15	0.12	0.06	0.01	0.02	0.01	0.00	0.01	0.01	0.09	0.12
CRMS 0163	0.11	0.14	0.12	0.11	0.09	0.08	0.04	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.04	-0.05	-0.05	0.03	0.07	0.08	0.10	0.08	0.07	0.08	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.01	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.03	-0.05	0.04	0.08	0.08	0.10	0.01	0.01	0.01	0.02	-0.06
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	-0.02	0.01	0.03	0.00	-0.01	-0.04	-0.02	0.01	0.02	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	-0.02	0.03	0.06	0.06	0.04	-0.01	-0.03	-0.01	0.01	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.00	0.03	0.06	0.05	0.03	0.00	-0.02	-0.01	0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.01	0.03	0.03	0.02	0.00	-0.03	0.00	0.01	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	-0.02	-0.03	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.01	0.00	0.00	0.00	0.00	-0.02	-0.03	-0.02	0.00	0.03	0.02	0.01
CRMS 0258	-0.03	0.00	-0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	-0.03	0.00	-0.01	0.02	0.01	0.01	0.01	0.00	0.00	0.00	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 10 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.08	0.01	0.01	0.02	0.03	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.03	0.02	0.02	0.03	0.06	0.06	0.07	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.07	0.04	0.02	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.08	0.05	0.06	0.06	0.08	0.08	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.13	0.06	0.02	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.12	0.05	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.01	0.02	0.05	0.04	0.07	0.05	0.10	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.09	0.09	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.08	0.10	0.10	0.07	0.06	0.05	0.06	0.04	0.07	0.05	0.06	0.08
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.08	0.09	0.09	0.10	0.12	0.15
CRMS 0258	0.16	0.16	0.14	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.11	0.18
CRMS 0224	0.16	0.16	0.13	0.04	0.00	0.01	0.01	0.01	0.02	0.01	0.09	0.15
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.03	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

V3PR4 HYST - cy 0 - 1970 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.12	0.11	0.10	0.09	0.11	0.09	0.08	0.08	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.05	0.03	0.02	0.01	0.02	0.05	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.13	0.11	0.10	0.09	0.11	0.02	0.00	0.02	0.03	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.09	0.09	0.05	0.04	0.06	0.10	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.12	0.10	0.09	0.08	0.04	0.04	0.05	0.05	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.13	0.12	0.09	0.09	0.07	0.05	0.05	0.06	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.05	0.03	0.03	0.02	0.06	0.05	0.10	0.15
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.06	0.06	0.07	0.08	0.10	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.09	0.10	0.10	0.07	0.06	0.05	0.06	0.04	0.06	0.06	0.07	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.06	0.09	0.12	0.12	0.12	0.14	0.15
CRMS 0258	0.13	0.15	0.13	0.07	0.04	0.01	0.00	0.00	0.01	0.01	0.11	0.15
CRMS 0224	0.12	0.14	0.12	0.06	0.03	0.01	0.01	0.01	0.02	0.01	0.10	0.13
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.02	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.02	0.08	0.10	0.07	0.05	0.06	0.07	0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.05	0.03	0.09	0.10	0.02	0.00	0.01	0.02	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.02	0.01	0.04	-0.01	-0.02	-0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.01	0.03	0.07	0.05	-0.02	-0.02	-0.01	-0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.00	0.03	0.07	0.04	-0.02	-0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.01	0.04	0.02	-0.02	-0.01	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.02	-0.01	-0.02	-0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.00	-0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.01	0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.02	0.01	0.03	0.02	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	-0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.03
CRMS 0224	-0.04	-0.02	-0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 11 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.13	0.06	0.01	0.01	0.01	0.02	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.02	0.01	0.02	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.09	0.08	0.05	0.02	0.01	0.01	0.01	0.01	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.09	0.10	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.12	0.05	0.02	0.03	0.05	0.07	0.06	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.10	0.05	0.02	0.03	0.05	0.07	0.08	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.11	0.05	0.01	0.01	0.03	0.05	0.08	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.07	0.09	0.12	0.10	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.06	0.05	0.06	0.05	0.07	0.04	0.05	0.09
CRMS 3985	0.12	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.10	0.09	0.12	0.15
CRMS 0258	0.14	0.14	0.11	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.11	0.16
CRMS 0224	0.14	0.15	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

V3PR4 HYST - cy 0 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.08	0.09	0.08	0.09	0.09	0.08	0.08	0.10	0.12	0.11
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.09	0.06	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.10	0.08	0.05	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.10	0.09	0.09	0.09	0.04	0.01	0.00	0.02	0.02	0.13	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.09	0.09	0.04	0.05	0.07	0.10	0.10	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.09	0.09	0.09	0.04	0.03	0.04	0.05	0.05	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.09	0.08	0.04	0.03	0.05	0.06	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.11	0.06	0.05	0.02	0.02	0.03	0.06	0.05	0.10	0.15
HWQ14 - Lake Washington	0.12	0.14	0.12	0.07	0.06	0.05	0.07	0.09	0.10	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.07	0.10	0.10	0.07	0.07	0.05	0.05	0.06	0.07	0.05	0.05	0.10
CRMS 3985	0.12	0.13	0.12	0.08	0.07	0.06	0.09	0.12	0.12	0.12	0.14	0.15
CRMS 0258	0.11	0.11	0.10	0.09	0.04	0.00	0.01	0.00	0.01	0.01	0.11	0.14
CRMS 0224	0.11	0.11	0.10	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.10	0.13
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.03	0.08	0.08	0.07	0.06	0.06	0.08	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.05	0.04	0.08	0.03	0.00	0.00	0.01	0.02	0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.04	-0.04	0.01	0.03	-0.02	-0.04	-0.03	0.00	0.02	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.05	-0.02	0.04	0.07	0.01	-0.02	-0.03	-0.02	0.00	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.03	-0.01	0.04	0.07	0.02	-0.01	-0.02	-0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.00	0.02	0.04	0.01	-0.01	-0.02	-0.02	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.00	0.01	-0.02	-0.02	-0.03	-0.01	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.01	0.00	0.01	0.00	-0.01	0.00	0.00	0.01	0.01	0.01
CRMS 3985	0.00	0.00	-0.02	-0.02	-0.01	-0.03	-0.02	0.01	0.02	0.03	0.02	0.01
CRMS 0258	-0.03	-0.02	-0.01	0.04	0.04	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.04	-0.04	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 12 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.16	0.09	0.02	0.01	0.03	0.04	0.03	0.03	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.02	0.02	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.16	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.09	0.05	0.06	0.06	0.08	0.09	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.16	0.13	0.07	0.03	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.06	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.02	0.01	0.04	0.04	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.08	0.09	0.09	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.05	0.05	0.05	0.03	0.06	0.05	0.06	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.07	0.07	0.09	0.09	0.09	0.12	0.15
CRMS 0258	0.17	0.15	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.16
CRMS 0224	0.15	0.16	0.13	0.05	0.01	0.01	0.01	0.01	0.02	0.02	0.09	0.15
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

V3PR4 HYST - cy 0 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.11	0.11	0.11	0.10	0.09	0.09	0.08	0.07	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.05	0.02	0.01	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.12	0.13	0.09	0.09	0.01	0.00	0.00	0.01	0.02	0.12	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.14	0.08	0.05	0.04	0.06	0.07	0.10	0.09	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.12	0.07	0.07	0.02	0.04	0.04	0.05	0.05	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.05	0.02	0.04	0.05	0.07	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.10	0.05	0.02	0.01	0.03	0.04	0.07	0.05	0.10	0.15
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.05	0.08	0.10	0.10	0.09	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.04	0.05	0.05	0.03	0.06	0.05	0.07	0.10
CRMS 3985	0.12	0.15	0.15	0.09	0.07	0.07	0.11	0.13	0.12	0.11	0.14	0.15
CRMS 0258	0.14	0.14	0.13	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.11	0.15
CRMS 0224	0.13	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.10	0.13
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.04	0.02	0.09	0.08	0.06	0.03	0.04	0.07	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.03	0.01	0.09	0.00	0.00	0.00	0.01	0.02	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.02	0.00	0.00	0.00	-0.02	0.00	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.03	-0.01	0.00	0.04	-0.01	-0.02	-0.02	-0.01	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.02	0.00	0.03	-0.01	-0.02	-0.01	0.00	-0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.02	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.01	0.01	0.00	0.01	0.04	0.04	0.02	0.02	0.02	0.00
CRMS 0258	-0.02	-0.02	-0.02	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.02	-0.03	-0.03	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 13 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.14	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.17
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.10	0.06	0.03	0.02	0.02	0.02	0.05	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.08	0.03	0.03	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.08	0.05	0.07	0.07	0.06	0.09	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.12	0.06	0.02	0.04	0.06	0.05	0.05	0.05	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.10	0.05	0.02	0.03	0.07	0.05	0.06	0.05	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.11	0.05	0.01	0.02	0.05	0.03	0.06	0.04	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.13	0.08	0.05	0.07	0.09	0.08	0.09	0.08	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.06	0.05	0.06	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.09	0.09	0.08	0.10	0.10	0.10	0.13	0.15
CRMS 0258	0.15	0.13	0.12	0.05	0.01	0.01	0.01	0.01	0.01	0.00	0.11	0.17
CRMS 0224	0.16	0.15	0.10	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

V3PR4 HYST - cy 0 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.10	0.09	0.10	0.10	0.10	0.09	0.08	0.10	0.13	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.09	0.06	0.02	0.03	0.03	0.02	0.04	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.07	0.02	0.03	0.02	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.06	0.02	0.03	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.10	0.12	0.10	0.08	0.06	0.06	0.06	0.07	0.09	0.15	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.11	0.10	0.09	0.09	0.10	0.06	0.03	0.04	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.09	0.08	0.09	0.09	0.07	0.05	0.05	0.10	0.15
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.06	0.04	0.04	0.06	0.04	0.04	0.04	0.10	0.15
HWQ14 - Lake Washington	0.13	0.13	0.13	0.07	0.06	0.06	0.08	0.08	0.08	0.08	0.14	0.18
HWQ16 - Bayou Grand Liard	0.09	0.10	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.06	0.08
CRMS 3985	0.13	0.13	0.13	0.09	0.07	0.06	0.08	0.10	0.11	0.13	0.15	0.16
CRMS 0258	0.12	0.11	0.12	0.09	0.02	0.01	0.01	0.01	0.01	0.00	0.11	0.16
CRMS 0224	0.11	0.10	0.12	0.07	0.01	0.01	0.02	0.01	0.01	0.01	0.10	0.14
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.08	-0.04	0.03	0.09	0.09	0.09	0.09	0.07	0.09	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.08	-0.03	0.05	0.09	0.10	0.10	0.06	0.01	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.05	-0.02	0.01	0.03	-0.01	0.00	-0.01	-0.01	0.00	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.06	-0.01	0.04	0.07	0.06	0.03	0.02	-0.02	-0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.04	0.01	0.04	0.06	0.05	0.03	0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	0.01	0.01	0.03	0.02	0.01	0.01	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.03	0.00	0.00	0.01	-0.01	-0.01	0.00	-0.01	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.00	-0.01	-0.01	-0.02	0.00	0.00	0.01	0.02	0.02	0.01
CRMS 0258	-0.04	-0.03	0.00	0.04	0.02	0.01	0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.04	-0.05	0.01	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 14 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.14	0.08	0.04	0.06	0.07	0.09	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.13	0.06	0.02	0.03	0.05	0.05	0.06	0.06	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.11	0.14	0.12	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.05	0.01	0.01	0.03	0.03	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.04	0.06	0.09	0.10	0.11	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.11	0.13	0.11	0.09	0.12	0.15
CRMS 0258	0.15	0.17	0.13	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.11	0.15
CRMS 0224	0.14	0.15	0.13	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.08	0.16
CRMS 0163	0.11	0.14	0.12	0.11	0.09	0.08	0.04	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

V3PR4 HYST - cy 0 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.13	0.09	0.09	0.08	0.09	0.10	0.08	0.08	0.10	0.12	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.12	0.10	0.06	0.04	0.04	0.03	0.01	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.15	0.10	0.09	0.08	0.09	0.11	0.01	0.02	0.02	0.13	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.12	0.09	0.08	0.08	0.06	0.05	0.08	0.09	0.14	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.15	0.11	0.09	0.08	0.09	0.10	0.04	0.03	0.05	0.11	0.11
USGS 07380335 - Little Lake Near Cutoff	0.09	0.14	0.11	0.09	0.08	0.08	0.09	0.05	0.05	0.05	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.11	0.15	0.12	0.06	0.05	0.05	0.05	0.03	0.04	0.05	0.10	0.13
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.06	0.06	0.07	0.08	0.08	0.09	0.13	0.15
HWQ16 - Bayou Grand Liard	0.07	0.10	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.10
CRMS 3985	0.13	0.15	0.13	0.08	0.07	0.07	0.07	0.10	0.11	0.12	0.15	0.15
CRMS 0258	0.12	0.17	0.12	0.09	0.04	0.03	0.02	0.00	0.01	0.00	0.11	0.12
CRMS 0224	0.11	0.15	0.12	0.07	0.03	0.03	0.02	0.00	0.01	0.01	0.10	0.12
CRMS 0163	0.11	0.14	0.12	0.10	0.09	0.08	0.03	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.04	-0.05	-0.06	0.03	0.07	0.08	0.10	0.08	0.07	0.08	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.01	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.03	-0.05	0.04	0.07	0.08	0.10	0.01	0.01	0.02	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	-0.03	0.02	0.04	0.02	-0.01	-0.04	-0.02	0.01	0.02	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	0.00	-0.02	0.04	0.07	0.06	0.05	-0.01	-0.03	-0.01	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.00	-0.01	0.04	0.06	0.06	0.04	0.00	-0.02	-0.01	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.00	0.00	0.01	0.04	0.03	0.03	0.00	-0.03	0.00	0.01	-0.01
HWQ14 - Lake Washington	-0.01	0.00	0.00	0.00	0.02	0.00	-0.01	-0.02	-0.03	0.01	0.02	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.01	0.00	0.00	-0.01	0.00	-0.02	-0.03	-0.03	0.00	0.03	0.02	0.00
CRMS 0258	-0.03	0.00	-0.01	0.04	0.04	0.02	0.01	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	-0.03	0.00	-0.01	0.04	0.03	0.03	0.01	0.00	0.00	0.00	0.01	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 15 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.08	0.01	0.01	0.02	0.03	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.03	0.02	0.02	0.03	0.06	0.06	0.07	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.07	0.04	0.02	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.08	0.05	0.06	0.06	0.08	0.08	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.13	0.06	0.02	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.12	0.05	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.01	0.02	0.05	0.04	0.07	0.05	0.10	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.09	0.09	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.08	0.10	0.10	0.07	0.06	0.05	0.06	0.04	0.07	0.05	0.06	0.08
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.08	0.09	0.09	0.10	0.12	0.15
CRMS 0258	0.16	0.16	0.14	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.11	0.18
CRMS 0224	0.16	0.16	0.13	0.04	0.00	0.01	0.01	0.01	0.02	0.01	0.09	0.15
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.03	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

V3PR5 HYST - cy 0 - 1970 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.12	0.11	0.10	0.09	0.11	0.09	0.08	0.08	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.05	0.03	0.02	0.01	0.02	0.05	0.06	0.08	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.13	0.11	0.10	0.09	0.11	0.02	0.00	0.01	0.02	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.09	0.09	0.05	0.04	0.06	0.09	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.12	0.10	0.09	0.08	0.04	0.04	0.05	0.05	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.13	0.12	0.08	0.09	0.07	0.05	0.05	0.06	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.05	0.03	0.03	0.02	0.06	0.05	0.10	0.15
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.06	0.06	0.07	0.08	0.10	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.09	0.10	0.10	0.07	0.06	0.05	0.06	0.04	0.06	0.06	0.07	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.06	0.09	0.12	0.12	0.12	0.14	0.15
CRMS 0258	0.13	0.15	0.13	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.11	0.15
CRMS 0224	0.12	0.14	0.12	0.06	0.02	0.01	0.01	0.01	0.02	0.01	0.10	0.13
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.02	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.02	0.08	0.10	0.07	0.05	0.06	0.07	0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.05	0.03	0.09	0.10	0.02	0.00	0.01	0.01	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.02	0.01	0.04	-0.01	-0.02	-0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.01	0.03	0.07	0.05	-0.02	-0.02	-0.01	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.00	0.03	0.07	0.04	-0.02	-0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.01	0.04	0.02	-0.02	-0.01	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.02	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.00	-0.01	0.01	0.00	0.00	0.01	0.00	0.01	0.01	0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.02	0.01	0.03	0.02	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	-0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.03
CRMS 0224	-0.04	-0.02	-0.01	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 16 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.13	0.06	0.01	0.01	0.01	0.02	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.02	0.01	0.02	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.09	0.08	0.05	0.02	0.01	0.01	0.01	0.01	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.09	0.10	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.12	0.05	0.02	0.03	0.05	0.07	0.06	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.10	0.05	0.02	0.03	0.05	0.07	0.08	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.11	0.05	0.01	0.01	0.03	0.05	0.08	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.07	0.09	0.12	0.10	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.06	0.05	0.06	0.05	0.07	0.04	0.05	0.09
CRMS 3985	0.12	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.10	0.09	0.12	0.15
CRMS 0258	0.14	0.14	0.11	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.11	0.16
CRMS 0224	0.14	0.15	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

V3PR5 HYST - cy 0 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.08	0.09	0.08	0.09	0.09	0.08	0.08	0.10	0.12	0.11
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.09	0.06	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.10	0.08	0.05	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.10	0.09	0.09	0.09	0.04	0.00	0.00	0.01	0.01	0.13	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.09	0.09	0.04	0.05	0.07	0.10	0.10	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.09	0.09	0.09	0.04	0.03	0.04	0.05	0.05	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.09	0.08	0.04	0.03	0.05	0.06	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.11	0.06	0.05	0.02	0.02	0.03	0.06	0.05	0.10	0.15
HWQ14 - Lake Washington	0.12	0.14	0.12	0.07	0.06	0.05	0.07	0.09	0.10	0.10	0.13	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.07	0.05	0.05	0.06	0.07	0.05	0.05	0.10
CRMS 3985	0.12	0.13	0.12	0.08	0.07	0.06	0.09	0.12	0.12	0.12	0.14	0.15
CRMS 0258	0.11	0.11	0.10	0.08	0.04	0.00	0.01	0.00	0.01	0.01	0.11	0.14
CRMS 0224	0.11	0.11	0.10	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.10	0.13
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.03	0.08	0.08	0.07	0.06	0.06	0.08	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.05	0.04	0.08	0.03	0.00	0.00	0.01	0.01	0.02	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.04	-0.04	0.01	0.03	-0.02	-0.04	-0.03	0.00	0.02	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.05	-0.02	0.04	0.07	0.01	-0.02	-0.03	-0.02	0.00	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.03	-0.01	0.04	0.07	0.02	-0.01	-0.02	-0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.00	0.02	0.04	0.01	-0.01	-0.02	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.02	0.00	0.00	0.01	-0.02	-0.02	-0.03	-0.01	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.01	0.00	0.01	0.00	-0.01	0.00	0.00	0.01	0.00	0.01
CRMS 3985	0.00	-0.01	-0.02	-0.02	-0.01	-0.03	-0.02	0.01	0.02	0.03	0.02	0.01
CRMS 0258	-0.03	-0.02	-0.01	0.04	0.03	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.04	-0.04	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 17 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.16	0.09	0.02	0.01	0.03	0.04	0.03	0.03	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.02	0.02	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.16	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.09	0.05	0.06	0.06	0.08	0.09	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.16	0.13	0.07	0.03	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.06	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.02	0.01	0.04	0.04	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.08	0.09	0.09	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.05	0.05	0.05	0.03	0.06	0.05	0.06	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.07	0.07	0.09	0.09	0.09	0.12	0.15
CRMS 0258	0.17	0.15	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.16
CRMS 0224	0.15	0.16	0.13	0.05	0.01	0.01	0.01	0.01	0.02	0.02	0.09	0.15
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

V3PR5 HYST - cy 0 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.11	0.11	0.11	0.10	0.09	0.09	0.08	0.07	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.05	0.02	0.01	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.12	0.13	0.08	0.09	0.00	0.00	0.00	0.01	0.02	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.14	0.08	0.05	0.04	0.06	0.07	0.10	0.09	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.12	0.07	0.07	0.02	0.04	0.04	0.05	0.05	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.05	0.02	0.04	0.05	0.07	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.10	0.05	0.02	0.01	0.03	0.04	0.07	0.05	0.10	0.15
HWQ14 - Lake Washington	0.14	0.15	0.13	0.07	0.06	0.05	0.08	0.10	0.10	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.04	0.05	0.05	0.03	0.06	0.05	0.06	0.10
CRMS 3985	0.12	0.15	0.15	0.09	0.07	0.07	0.10	0.13	0.12	0.11	0.14	0.15
CRMS 0258	0.14	0.14	0.13	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.11	0.15
CRMS 0224	0.13	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.09	0.13
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.04	0.02	0.09	0.08	0.06	0.03	0.04	0.07	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	-0.03	0.00	0.08	0.00	0.00	0.00	0.00	0.01	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.02	0.00	0.00	0.00	-0.02	0.00	-0.01	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.03	-0.01	0.00	0.04	-0.01	-0.02	-0.02	-0.01	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.02	0.00	0.03	-0.01	-0.02	-0.01	-0.01	-0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.02	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.01	-0.01	-0.01	0.01	-0.01	0.00	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.01	0.01	0.00	0.01	0.04	0.04	0.03	0.02	0.02	0.00
CRMS 0258	-0.02	-0.02	-0.02	-0.01	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.02	-0.03	-0.03	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 18 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.14	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.17
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.10	0.06	0.03	0.02	0.02	0.02	0.05	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.08	0.03	0.03	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.08	0.05	0.07	0.07	0.06	0.09	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.12	0.06	0.02	0.04	0.06	0.05	0.05	0.05	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.10	0.05	0.02	0.03	0.07	0.05	0.06	0.05	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.11	0.05	0.01	0.02	0.05	0.03	0.06	0.04	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.13	0.08	0.05	0.07	0.09	0.08	0.09	0.08	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.06	0.05	0.06	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.09	0.09	0.08	0.10	0.10	0.10	0.13	0.15
CRMS 0258	0.15	0.13	0.12	0.05	0.01	0.01	0.01	0.01	0.01	0.00	0.11	0.17
CRMS 0224	0.16	0.15	0.10	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

V3PR5 HYST - cy 0 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.10	0.09	0.10	0.10	0.10	0.09	0.08	0.10	0.13	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.09	0.06	0.02	0.03	0.03	0.02	0.04	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.07	0.02	0.03	0.02	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.06	0.01	0.02	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.10	0.12	0.10	0.08	0.06	0.06	0.06	0.07	0.09	0.15	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.11	0.10	0.09	0.09	0.10	0.06	0.03	0.04	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.09	0.08	0.09	0.09	0.07	0.05	0.05	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.06	0.04	0.04	0.06	0.04	0.04	0.04	0.10	0.15
HWQ14 - Lake Washington	0.13	0.13	0.13	0.07	0.06	0.06	0.08	0.08	0.08	0.08	0.14	0.17
HWQ16 - Bayou Grand Liard	0.09	0.10	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.06	0.08
CRMS 3985	0.13	0.13	0.13	0.09	0.07	0.06	0.08	0.10	0.11	0.13	0.15	0.16
CRMS 0258	0.12	0.11	0.12	0.08	0.02	0.01	0.01	0.01	0.01	0.00	0.11	0.16
CRMS 0224	0.11	0.10	0.12	0.07	0.01	0.01	0.02	0.01	0.01	0.01	0.10	0.14
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.05	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.08	-0.04	0.03	0.09	0.09	0.09	0.09	0.07	0.09	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.08	-0.03	0.05	0.09	0.10	0.10	0.06	0.01	0.01	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.05	-0.02	0.01	0.03	0.00	0.00	-0.01	-0.01	0.00	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.06	-0.01	0.04	0.07	0.06	0.03	0.02	-0.02	-0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.04	0.01	0.04	0.06	0.05	0.03	0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.01	0.03	0.02	0.01	0.01	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.03	0.00	0.00	0.01	-0.01	-0.01	0.00	-0.01	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.01	0.00	-0.01	-0.01	-0.02	0.00	0.00	0.01	0.02	0.02	0.01
CRMS 0258	-0.04	-0.03	0.00	0.04	0.02	0.00	0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.04	-0.05	0.01	0.04	0.01	0.01	0.01	0.00	0.00	0.00	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 19 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.14	0.08	0.04	0.06	0.07	0.09	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.13	0.06	0.02	0.03	0.05	0.05	0.06	0.06	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.11	0.14	0.12	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.05	0.01	0.01	0.03	0.03	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.04	0.06	0.09	0.10	0.11	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.11	0.13	0.11	0.09	0.12	0.15
CRMS 0258	0.15	0.17	0.13	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.11	0.15
CRMS 0224	0.14	0.15	0.13	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.08	0.16
CRMS 0163	0.11	0.14	0.12	0.11	0.09	0.08	0.04	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

V3PR5 HYST - cy 0 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.13	0.09	0.09	0.08	0.09	0.10	0.08	0.08	0.10	0.12	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.12	0.10	0.06	0.04	0.04	0.03	0.01	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.15	0.10	0.09	0.08	0.09	0.11	0.01	0.01	0.02	0.13	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.16	0.12	0.09	0.08	0.08	0.06	0.05	0.08	0.09	0.14	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.15	0.11	0.09	0.08	0.09	0.10	0.04	0.03	0.04	0.11	0.11
USGS 07380335 - Little Lake Near Cutoff	0.09	0.14	0.11	0.09	0.08	0.08	0.09	0.05	0.05	0.05	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.11	0.14	0.12	0.06	0.05	0.05	0.05	0.03	0.04	0.04	0.10	0.13
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.06	0.06	0.07	0.07	0.08	0.09	0.13	0.15
HWQ16 - Bayou Grand Liard	0.07	0.10	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.10
CRMS 3985	0.13	0.15	0.13	0.08	0.07	0.07	0.07	0.10	0.11	0.13	0.15	0.15
CRMS 0258	0.12	0.17	0.12	0.08	0.04	0.02	0.02	0.00	0.01	0.00	0.11	0.12
CRMS 0224	0.11	0.15	0.12	0.07	0.03	0.03	0.02	0.00	0.01	0.01	0.09	0.12
CRMS 0163	0.11	0.14	0.12	0.10	0.09	0.08	0.03	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.04	-0.05	-0.06	0.03	0.07	0.08	0.10	0.08	0.07	0.08	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.01	0.00	-0.01	0.00	0.01	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.03	-0.05	0.04	0.08	0.08	0.10	0.01	0.01	0.01	0.02	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	-0.03	0.02	0.04	0.02	-0.01	-0.04	-0.02	0.01	0.02	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	0.00	-0.02	0.04	0.07	0.06	0.05	-0.01	-0.03	-0.01	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.00	-0.01	0.04	0.06	0.06	0.04	0.00	-0.02	-0.01	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.00	0.00	0.01	0.04	0.03	0.03	-0.01	-0.03	-0.01	0.01	-0.01
HWQ14 - Lake Washington	-0.01	0.00	0.00	0.00	0.02	0.00	-0.02	-0.03	-0.03	0.00	0.02	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.02	0.00	0.01	0.01	0.00	-0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.03	-0.03	0.00	0.03	0.02	0.00
CRMS 0258	-0.03	0.00	-0.01	0.04	0.03	0.02	0.01	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	-0.03	0.00	-0.01	0.04	0.03	0.02	0.01	0.00	0.00	0.00	0.01	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 20 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.08	0.01	0.01	0.02	0.03	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.03	0.02	0.02	0.03	0.06	0.06	0.07	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.07	0.04	0.02	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.08	0.05	0.06	0.06	0.08	0.08	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.13	0.06	0.02	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.12	0.05	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.01	0.02	0.05	0.04	0.07	0.05	0.10	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.09	0.09	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.08	0.10	0.10	0.07	0.06	0.05	0.06	0.04	0.07	0.05	0.06	0.08
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.08	0.09	0.09	0.10	0.12	0.15
CRMS 0258	0.16	0.16	0.14	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.11	0.18
CRMS 0224	0.16	0.16	0.13	0.04	0.00	0.01	0.01	0.01	0.02	0.01	0.09	0.15
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.03	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

V3PR6 HYST - cy 0 - 1970 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.12	0.10	0.10	0.09	0.11	0.09	0.08	0.08	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.06	0.04	0.02	0.01	0.02	0.05	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.13	0.11	0.10	0.09	0.11	0.02	0.00	0.02	0.03	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.14	0.12	0.10	0.10	0.07	0.04	0.05	0.09	0.09	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.11	0.10	0.10	0.10	0.04	0.03	0.05	0.05	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.13	0.11	0.10	0.10	0.09	0.05	0.04	0.06	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.07	0.06	0.04	0.03	0.02	0.06	0.05	0.10	0.15
HWQ14 - Lake Washington	0.13	0.15	0.14	0.08	0.07	0.05	0.06	0.07	0.09	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.09	0.11	0.11	0.07	0.08	0.06	0.06	0.04	0.06	0.06	0.07	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.09	0.06	0.08	0.11	0.11	0.12	0.14	0.16
CRMS 0258	0.12	0.14	0.12	0.10	0.08	0.02	0.00	0.00	0.01	0.01	0.11	0.15
CRMS 0224	0.12	0.14	0.12	0.09	0.08	0.02	0.01	0.01	0.01	0.01	0.10	0.13
CRMS 0163	0.11	0.14	0.13	0.11	0.09	0.03	0.01	0.01	0.02	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.02	0.08	0.10	0.07	0.05	0.06	0.07	0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	0.01	0.01	-0.01	-0.01	0.00	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.05	0.03	0.09	0.10	0.02	0.00	0.01	0.02	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.02	-0.03	0.02	0.05	0.01	-0.02	-0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.03	-0.02	0.04	0.07	0.07	-0.02	-0.03	-0.01	-0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.01	0.05	0.08	0.06	-0.01	-0.02	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.01	0.05	0.02	-0.02	-0.02	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.00	0.02	-0.01	-0.02	-0.02	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.01	0.02	-0.02	0.00	0.02	0.02	0.02	0.02	0.01
CRMS 0258	-0.04	-0.02	-0.02	0.04	0.08	0.01	0.00	0.00	0.00	0.00	0.00	-0.03
CRMS 0224	-0.04	-0.02	-0.01	0.05	0.08	0.01	0.00	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 21 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.13	0.06	0.01	0.01	0.01	0.02	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.02	0.01	0.02	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.09	0.08	0.05	0.02	0.01	0.01	0.01	0.01	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.09	0.10	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.12	0.05	0.02	0.03	0.05	0.07	0.06	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.10	0.05	0.02	0.03	0.05	0.07	0.08	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.11	0.05	0.01	0.01	0.03	0.05	0.08	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.07	0.09	0.12	0.10	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.06	0.05	0.06	0.05	0.07	0.04	0.05	0.09
CRMS 3985	0.12	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.10	0.09	0.12	0.15
CRMS 0258	0.14	0.14	0.11	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.11	0.16
CRMS 0224	0.14	0.15	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

V3PR6 HYST - cy 0 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.08	0.09	0.08	0.09	0.08	0.08	0.08	0.10	0.12	0.11
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.02	0.01	0.02	0.05	0.05	0.06	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.10	0.07	0.05	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.09	0.09	0.09	0.08	0.04	0.01	0.00	0.02	0.02	0.13	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.09	0.09	0.09	0.04	0.04	0.07	0.10	0.10	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.09	0.09	0.09	0.04	0.02	0.03	0.05	0.05	0.11	0.14
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.09	0.09	0.05	0.03	0.05	0.06	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.10	0.07	0.06	0.02	0.01	0.02	0.06	0.05	0.10	0.15
HWQ14 - Lake Washington	0.12	0.13	0.11	0.07	0.07	0.04	0.05	0.08	0.09	0.10	0.14	0.16
HWQ16 - Bayou Grand Liard	0.08	0.11	0.10	0.08	0.08	0.06	0.05	0.06	0.07	0.05	0.05	0.10
CRMS 3985	0.11	0.12	0.10	0.09	0.09	0.06	0.08	0.12	0.12	0.12	0.15	0.15
CRMS 0258	0.11	0.11	0.10	0.10	0.09	0.01	0.01	0.00	0.01	0.01	0.11	0.14
CRMS 0224	0.10	0.11	0.10	0.10	0.09	0.01	0.01	0.01	0.01	0.01	0.10	0.13
CRMS 0163	0.11	0.11	0.10	0.10	0.09	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.03	0.08	0.08	0.07	0.06	0.06	0.08	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.05	0.04	0.08	0.03	0.00	0.00	0.01	0.02	0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.05	-0.04	0.01	0.04	-0.02	-0.04	-0.03	0.00	0.02	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.05	-0.03	0.04	0.07	0.01	-0.03	-0.03	-0.02	0.00	0.02	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	-0.01	0.04	0.07	0.02	-0.02	-0.02	-0.01	0.00	0.02	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	-0.01	0.03	0.05	0.01	-0.02	-0.02	-0.02	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.03	-0.02	0.00	0.02	-0.03	-0.04	-0.03	-0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.01	0.01	0.02	0.01	-0.01	0.01	0.00	0.01	0.01	0.01
CRMS 3985	0.00	-0.02	-0.04	0.00	0.00	-0.03	-0.04	0.00	0.02	0.03	0.02	0.00
CRMS 0258	-0.03	-0.03	-0.02	0.05	0.08	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	-0.04	-0.04	-0.01	0.07	0.08	0.01	0.00	0.00	0.00	0.01	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 22 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.16	0.09	0.02	0.01	0.03	0.04	0.03	0.03	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.02	0.02	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.16	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.09	0.05	0.06	0.06	0.08	0.09	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.16	0.13	0.07	0.03	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.06	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.02	0.01	0.04	0.04	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.08	0.09	0.09	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.05	0.05	0.05	0.03	0.06	0.05	0.06	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.07	0.07	0.09	0.09	0.09	0.12	0.15
CRMS 0258	0.17	0.15	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.16
CRMS 0224	0.15	0.16	0.13	0.05	0.01	0.01	0.01	0.01	0.02	0.02	0.09	0.15
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

V3PR6 HYST - cy 0 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.11	0.11	0.11	0.10	0.09	0.09	0.08	0.07	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.09	0.05	0.02	0.01	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.11	0.13	0.09	0.10	0.01	0.00	0.00	0.01	0.02	0.12	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.14	0.08	0.07	0.03	0.05	0.07	0.10	0.09	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.12	0.07	0.09	0.01	0.04	0.04	0.05	0.05	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.11	0.06	0.07	0.01	0.04	0.05	0.07	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.05	0.03	0.01	0.03	0.04	0.07	0.05	0.10	0.15
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.04	0.08	0.10	0.10	0.09	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.11	0.09	0.07	0.05	0.05	0.05	0.03	0.06	0.05	0.07	0.10
CRMS 3985	0.12	0.14	0.14	0.09	0.07	0.06	0.10	0.13	0.12	0.11	0.14	0.15
CRMS 0258	0.14	0.13	0.13	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.11	0.15
CRMS 0224	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.09	0.13
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.05	0.02	0.09	0.08	0.06	0.03	0.04	0.07	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.03	0.01	0.09	0.00	0.00	0.00	0.01	0.02	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.03	-0.01	0.00	0.01	-0.03	-0.01	-0.01	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.03	-0.01	0.00	0.06	-0.02	-0.02	-0.02	-0.01	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	-0.01	0.00	0.05	-0.01	-0.02	-0.01	-0.01	-0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.02	-0.01	0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.01	-0.01	-0.01	0.01	-0.01	0.00	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.02	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	-0.02	0.00	0.02	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.02	-0.03	-0.02	0.00	0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 23 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.14	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.17
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.10	0.06	0.03	0.02	0.02	0.02	0.05	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.08	0.03	0.03	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.08	0.05	0.07	0.07	0.06	0.09	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.12	0.06	0.02	0.04	0.06	0.05	0.05	0.05	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.10	0.05	0.02	0.03	0.07	0.05	0.06	0.05	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.11	0.05	0.01	0.02	0.05	0.03	0.06	0.04	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.13	0.08	0.05	0.07	0.09	0.08	0.09	0.08	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.06	0.05	0.06	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.09	0.09	0.08	0.10	0.10	0.10	0.13	0.15
CRMS 0258	0.15	0.13	0.12	0.05	0.01	0.01	0.01	0.01	0.01	0.00	0.11	0.17
CRMS 0224	0.16	0.15	0.10	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

V3PR6 HYST - cy 0 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.10	0.09	0.10	0.10	0.10	0.09	0.08	0.10	0.13	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.10	0.06	0.03	0.04	0.05	0.03	0.04	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.07	0.02	0.03	0.02	0.01	0.02	0.01	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.06	0.02	0.03	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.09	0.11	0.10	0.10	0.09	0.09	0.06	0.07	0.09	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.08	0.03	0.04	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.11	0.10	0.09	0.10	0.10	0.08	0.05	0.05	0.10	0.15
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.07	0.05	0.05	0.06	0.05	0.04	0.04	0.10	0.15
HWQ14 - Lake Washington	0.13	0.12	0.12	0.08	0.06	0.06	0.07	0.07	0.07	0.08	0.14	0.18
HWQ16 - Bayou Grand Liard	0.10	0.10	0.10	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.08
CRMS 3985	0.12	0.11	0.12	0.09	0.08	0.08	0.08	0.09	0.10	0.12	0.15	0.16
CRMS 0258	0.11	0.10	0.11	0.10	0.07	0.05	0.05	0.01	0.01	0.00	0.11	0.17
CRMS 0224	0.11	0.10	0.11	0.10	0.06	0.05	0.04	0.01	0.01	0.01	0.10	0.14
CRMS 0163	0.11	0.10	0.12	0.10	0.08	0.05	0.03	0.01	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.04	0.03	0.09	0.09	0.10	0.09	0.07	0.09	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.01	0.00	0.01	0.01	0.03	0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.08	-0.03	0.05	0.09	0.10	0.10	0.06	0.01	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.06	-0.03	0.02	0.04	0.02	0.03	0.00	-0.02	0.00	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.06	-0.01	0.04	0.07	0.06	0.04	0.03	-0.02	-0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.04	0.00	0.05	0.08	0.07	0.04	0.03	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.04	0.00	0.02	0.04	0.03	0.01	0.02	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.04	-0.01	0.00	0.01	-0.01	-0.02	-0.01	-0.02	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.02	0.00	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.00	0.00	-0.01	0.00	-0.01	0.00	0.02	0.02	0.01
CRMS 0258	-0.04	-0.03	-0.01	0.05	0.06	0.05	0.04	0.01	0.00	0.00	0.00	-0.01
CRMS 0224	-0.05	-0.05	0.01	0.07	0.05	0.04	0.03	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 24 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.14	0.08	0.04	0.06	0.07	0.09	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.13	0.06	0.02	0.03	0.05	0.05	0.06	0.06	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.11	0.14	0.12	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.05	0.01	0.01	0.03	0.03	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.04	0.06	0.09	0.10	0.11	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.11	0.13	0.11	0.09	0.12	0.15
CRMS 0258	0.15	0.17	0.13	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.11	0.15
CRMS 0224	0.14	0.15	0.13	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.08	0.16
CRMS 0163	0.11	0.14	0.12	0.11	0.09	0.08	0.04	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

V3PR6 HYST - cy 0 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.13	0.09	0.09	0.08	0.09	0.10	0.08	0.08	0.10	0.12	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.12	0.11	0.06	0.05	0.06	0.05	0.01	0.05	0.05	0.06	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.07	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.15	0.10	0.09	0.08	0.09	0.11	0.01	0.02	0.02	0.13	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.16	0.11	0.10	0.08	0.09	0.09	0.04	0.07	0.09	0.14	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.15	0.10	0.10	0.08	0.09	0.11	0.04	0.03	0.04	0.11	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.13	0.11	0.09	0.08	0.09	0.10	0.05	0.05	0.05	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.10	0.14	0.12	0.07	0.06	0.07	0.06	0.02	0.04	0.04	0.10	0.12
HWQ14 - Lake Washington	0.11	0.15	0.13	0.07	0.07	0.07	0.07	0.06	0.07	0.09	0.14	0.15
HWQ16 - Bayou Grand Liard	0.07	0.09	0.11	0.08	0.07	0.08	0.08	0.07	0.07	0.06	0.05	0.11
CRMS 3985	0.11	0.15	0.12	0.09	0.08	0.08	0.08	0.09	0.10	0.12	0.15	0.13
CRMS 0258	0.12	0.17	0.11	0.10	0.08	0.08	0.06	0.01	0.01	0.00	0.11	0.11
CRMS 0224	0.11	0.15	0.11	0.10	0.08	0.08	0.05	0.01	0.01	0.01	0.10	0.11
CRMS 0163	0.11	0.14	0.12	0.10	0.09	0.08	0.03	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.11

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.04	-0.05	-0.06	0.03	0.07	0.08	0.10	0.08	0.07	0.08	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.01	-0.01	0.00	0.02	0.04	-0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.03	-0.06	0.04	0.07	0.08	0.10	0.01	0.01	0.02	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	0.00	-0.04	0.02	0.04	0.03	0.02	-0.04	-0.03	0.01	0.02	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	0.00	-0.03	0.04	0.06	0.06	0.06	-0.01	-0.03	-0.01	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.00	-0.01	0.05	0.07	0.06	0.06	0.00	-0.02	-0.01	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.03	0.00	0.00	0.02	0.05	0.06	0.03	-0.01	-0.04	-0.01	0.01	-0.01
HWQ14 - Lake Washington	-0.02	0.00	0.00	0.01	0.03	0.01	-0.01	-0.04	-0.04	0.00	0.02	-0.01
HWQ16 - Bayou Grand Liard	-0.01	0.00	0.02	0.01	0.02	0.02	0.01	0.00	-0.01	0.00	0.01	0.02
CRMS 3985	-0.01	0.00	-0.02	0.01	0.01	0.00	-0.03	-0.04	-0.01	0.03	0.02	-0.02
CRMS 0258	-0.03	0.00	-0.02	0.05	0.08	0.08	0.05	0.00	0.00	0.00	0.00	-0.03
CRMS 0224	-0.03	0.00	-0.01	0.07	0.08	0.08	0.04	0.00	0.00	0.00	0.01	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 25 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.08	0.01	0.01	0.02	0.03	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.03	0.02	0.02	0.03	0.06	0.06	0.07	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.07	0.04	0.02	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.08	0.05	0.06	0.06	0.08	0.08	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.13	0.06	0.02	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.12	0.05	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.01	0.02	0.05	0.04	0.07	0.05	0.10	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.09	0.09	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.08	0.10	0.10	0.07	0.06	0.05	0.06	0.04	0.07	0.05	0.06	0.08
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.08	0.09	0.09	0.10	0.12	0.15
CRMS 0258	0.16	0.16	0.14	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.11	0.18
CRMS 0224	0.16	0.16	0.13	0.04	0.00	0.01	0.01	0.01	0.02	0.01	0.09	0.15
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.03	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

V3PR7 HYST - cy 0 - 1970 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.12	0.10	0.10	0.09	0.11	0.09	0.08	0.08	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.06	0.04	0.02	0.01	0.02	0.05	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.13	0.11	0.10	0.09	0.11	0.02	0.00	0.01	0.02	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.14	0.12	0.10	0.10	0.07	0.04	0.05	0.09	0.09	0.14	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.11	0.10	0.10	0.10	0.04	0.03	0.04	0.05	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.13	0.11	0.10	0.10	0.09	0.05	0.04	0.06	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.07	0.06	0.04	0.03	0.02	0.06	0.05	0.10	0.15
HWQ14 - Lake Washington	0.13	0.15	0.14	0.08	0.07	0.05	0.06	0.07	0.09	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.09	0.11	0.11	0.07	0.08	0.06	0.06	0.04	0.06	0.06	0.07	0.09
CRMS 3985	0.12	0.15	0.13	0.09	0.09	0.06	0.08	0.11	0.11	0.12	0.14	0.16
CRMS 0258	0.12	0.14	0.12	0.10	0.08	0.02	0.00	0.00	0.01	0.01	0.11	0.15
CRMS 0224	0.12	0.14	0.12	0.09	0.08	0.02	0.01	0.01	0.01	0.01	0.10	0.14
CRMS 0163	0.11	0.14	0.13	0.10	0.09	0.03	0.01	0.01	0.02	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.02	0.08	0.10	0.07	0.05	0.06	0.07	0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	0.01	0.01	-0.01	-0.01	0.00	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.05	0.03	0.09	0.10	0.02	0.00	0.01	0.01	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.02	-0.03	0.02	0.05	0.01	-0.02	-0.02	0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.03	-0.02	0.04	0.07	0.07	-0.02	-0.03	-0.01	0.00	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.01	0.05	0.08	0.06	-0.01	-0.02	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.01	0.05	0.02	-0.02	-0.02	-0.01	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.01	0.00	0.00	0.02	-0.01	-0.02	-0.02	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.00	0.02	0.01	0.00	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.01	0.02	-0.02	0.00	0.02	0.02	0.02	0.02	0.01
CRMS 0258	-0.04	-0.02	-0.02	0.04	0.07	0.01	0.00	0.00	0.00	0.00	0.00	-0.03
CRMS 0224	-0.04	-0.02	-0.01	0.04	0.07	0.01	0.00	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 26 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.13	0.06	0.01	0.01	0.01	0.02	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.02	0.01	0.02	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.09	0.08	0.05	0.02	0.01	0.01	0.01	0.01	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.09	0.10	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.12	0.05	0.02	0.03	0.05	0.07	0.06	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.10	0.05	0.02	0.03	0.05	0.07	0.08	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.11	0.05	0.01	0.01	0.03	0.05	0.08	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.07	0.09	0.12	0.10	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.06	0.05	0.06	0.05	0.07	0.04	0.05	0.09
CRMS 3985	0.12	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.10	0.09	0.12	0.15
CRMS 0258	0.14	0.14	0.11	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.11	0.16
CRMS 0224	0.14	0.15	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

V3PR7 HYST - cy 0 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.08	0.09	0.08	0.09	0.08	0.08	0.08	0.10	0.12	0.11
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.06	0.05	0.02	0.01	0.02	0.05	0.05	0.06	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.10	0.07	0.05	0.01	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.09	0.09	0.09	0.09	0.04	0.00	0.00	0.02	0.01	0.13	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.09	0.09	0.09	0.04	0.04	0.07	0.10	0.10	0.14	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.09	0.09	0.09	0.04	0.02	0.04	0.05	0.05	0.11	0.13
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.09	0.09	0.05	0.03	0.05	0.06	0.06	0.10	0.13
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.10	0.07	0.06	0.02	0.01	0.03	0.06	0.05	0.10	0.14
HWQ14 - Lake Washington	0.12	0.12	0.11	0.07	0.07	0.04	0.05	0.08	0.09	0.10	0.14	0.16
HWQ16 - Bayou Grand Liard	0.07	0.11	0.10	0.08	0.08	0.06	0.05	0.06	0.07	0.05	0.05	0.10
CRMS 3985	0.11	0.11	0.10	0.09	0.09	0.06	0.08	0.12	0.12	0.12	0.15	0.15
CRMS 0258	0.11	0.11	0.10	0.10	0.08	0.01	0.01	0.00	0.01	0.01	0.11	0.14
CRMS 0224	0.10	0.11	0.10	0.10	0.09	0.01	0.01	0.01	0.01	0.01	0.10	0.13
CRMS 0163	0.11	0.11	0.10	0.10	0.09	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.11	0.13	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.05	-0.07	-0.05	0.03	0.08	0.08	0.07	0.06	0.06	0.08	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.05	0.04	0.08	0.03	0.00	0.00	0.01	0.01	0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.05	-0.04	0.01	0.04	-0.02	-0.04	-0.03	0.00	0.02	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.05	-0.03	0.04	0.07	0.01	-0.03	-0.03	-0.02	0.00	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	-0.01	0.04	0.07	0.02	-0.02	-0.02	-0.01	0.00	0.02	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	-0.01	0.03	0.05	0.01	-0.01	-0.02	-0.02	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.03	-0.02	0.00	0.02	-0.03	-0.04	-0.03	-0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	0.01	0.01	0.02	0.01	-0.01	0.00	0.00	0.01	0.01	0.01
CRMS 3985	0.00	-0.02	-0.04	0.00	0.00	-0.03	-0.04	0.00	0.02	0.03	0.02	0.00
CRMS 0258	-0.03	-0.03	-0.02	0.05	0.08	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	-0.04	-0.04	-0.01	0.07	0.08	0.00	0.00	0.00	0.00	0.01	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 27 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.16	0.09	0.02	0.01	0.03	0.04	0.03	0.03	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.02	0.02	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.16	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.09	0.05	0.06	0.06	0.08	0.09	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.16	0.13	0.07	0.03	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.06	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.02	0.01	0.04	0.04	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.08	0.09	0.09	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.05	0.05	0.05	0.03	0.06	0.05	0.06	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.07	0.07	0.09	0.09	0.09	0.12	0.15
CRMS 0258	0.17	0.15	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.16
CRMS 0224	0.15	0.16	0.13	0.05	0.01	0.01	0.01	0.01	0.02	0.02	0.09	0.15
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

V3PR7 HYST - cy 0 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.11	0.11	0.11	0.10	0.09	0.09	0.08	0.07	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.09	0.05	0.02	0.01	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.12	0.13	0.09	0.10	0.00	0.00	0.00	0.01	0.02	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.14	0.08	0.07	0.03	0.05	0.07	0.10	0.09	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.12	0.07	0.09	0.02	0.04	0.04	0.05	0.05	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.07	0.02	0.04	0.05	0.07	0.06	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.05	0.03	0.01	0.03	0.04	0.07	0.05	0.10	0.15
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.04	0.08	0.09	0.10	0.09	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.11	0.09	0.07	0.05	0.05	0.05	0.03	0.06	0.05	0.07	0.10
CRMS 3985	0.12	0.14	0.14	0.09	0.07	0.06	0.10	0.13	0.12	0.11	0.14	0.15
CRMS 0258	0.14	0.13	0.13	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.11	0.15
CRMS 0224	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.10	0.13
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.05	0.02	0.09	0.08	0.06	0.03	0.05	0.07	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.03	0.01	0.09	0.00	0.00	0.00	0.00	0.01	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.03	-0.01	0.00	0.01	-0.03	-0.01	-0.01	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.03	-0.01	0.00	0.06	-0.02	-0.02	-0.02	-0.01	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	-0.01	0.00	0.05	-0.01	-0.02	-0.01	0.00	-0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.02	-0.01	0.01	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.02	-0.01	-0.01	0.01	-0.01	0.00	0.00	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.04	0.02	0.02	0.02	0.00
CRMS 0258	-0.02	-0.02	-0.02	-0.01	0.02	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.02	-0.03	-0.02	0.00	0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 28 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.14	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.17
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.10	0.06	0.03	0.02	0.02	0.02	0.05	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.08	0.03	0.03	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.08	0.05	0.07	0.07	0.06	0.09	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.12	0.06	0.02	0.04	0.06	0.05	0.05	0.05	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.10	0.05	0.02	0.03	0.07	0.05	0.06	0.05	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.11	0.05	0.01	0.02	0.05	0.03	0.06	0.04	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.13	0.08	0.05	0.07	0.09	0.08	0.09	0.08	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.06	0.05	0.06	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.09	0.09	0.08	0.10	0.10	0.10	0.13	0.15
CRMS 0258	0.15	0.13	0.12	0.05	0.01	0.01	0.01	0.01	0.01	0.00	0.11	0.17
CRMS 0224	0.16	0.15	0.10	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

V3PR7 HYST - cy 0 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.10	0.09	0.10	0.10	0.10	0.09	0.08	0.10	0.13	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.10	0.06	0.03	0.04	0.05	0.03	0.04	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.07	0.02	0.03	0.02	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.06	0.01	0.02	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.09	0.11	0.10	0.10	0.09	0.09	0.06	0.07	0.09	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.08	0.03	0.04	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.11	0.10	0.09	0.10	0.10	0.08	0.05	0.05	0.10	0.15
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.07	0.05	0.05	0.06	0.05	0.04	0.04	0.10	0.15
HWQ14 - Lake Washington	0.13	0.11	0.12	0.08	0.06	0.06	0.07	0.07	0.07	0.08	0.14	0.18
HWQ16 - Bayou Grand Liard	0.10	0.10	0.10	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.08
CRMS 3985	0.12	0.10	0.12	0.09	0.08	0.08	0.08	0.09	0.10	0.12	0.15	0.16
CRMS 0258	0.11	0.10	0.11	0.10	0.06	0.05	0.04	0.01	0.01	0.00	0.11	0.17
CRMS 0224	0.11	0.10	0.11	0.10	0.06	0.05	0.03	0.01	0.01	0.01	0.10	0.14
CRMS 0163	0.11	0.10	0.12	0.10	0.08	0.05	0.03	0.01	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.04	0.03	0.09	0.09	0.10	0.09	0.08	0.09	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.01	0.00	0.00	0.01	0.03	0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.08	-0.03	0.05	0.09	0.10	0.10	0.06	0.01	0.02	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.06	-0.03	0.01	0.04	0.03	0.03	0.00	-0.02	0.00	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.06	-0.01	0.04	0.07	0.06	0.04	0.03	-0.02	-0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.04	0.00	0.05	0.08	0.07	0.04	0.03	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.04	0.00	0.02	0.04	0.03	0.01	0.01	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.04	-0.01	0.00	0.01	-0.01	-0.02	-0.01	-0.02	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.02	0.00	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.00	0.00	-0.01	0.00	-0.01	0.00	0.02	0.02	0.01
CRMS 0258	-0.04	-0.03	-0.01	0.05	0.06	0.04	0.04	0.01	0.00	0.00	0.00	-0.01
CRMS 0224	-0.05	-0.05	0.01	0.07	0.05	0.04	0.03	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 29 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.14	0.08	0.04	0.06	0.07	0.09	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.13	0.06	0.02	0.03	0.05	0.05	0.06	0.06	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.11	0.14	0.12	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.05	0.01	0.01	0.03	0.03	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.04	0.06	0.09	0.10	0.11	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.11	0.13	0.11	0.09	0.12	0.15
CRMS 0258	0.15	0.17	0.13	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.11	0.15
CRMS 0224	0.14	0.15	0.13	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.08	0.16
CRMS 0163	0.11	0.14	0.12	0.11	0.09	0.08	0.04	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

V3PR7 HYST - cy 0 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.13	0.09	0.09	0.08	0.09	0.10	0.08	0.08	0.10	0.12	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.12	0.11	0.06	0.05	0.06	0.05	0.01	0.05	0.05	0.06	0.11
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.07	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.15	0.10	0.09	0.08	0.09	0.11	0.01	0.01	0.02	0.13	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.16	0.11	0.10	0.08	0.09	0.09	0.04	0.07	0.09	0.14	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.15	0.10	0.10	0.08	0.09	0.11	0.04	0.03	0.04	0.11	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.13	0.11	0.09	0.08	0.09	0.10	0.05	0.05	0.05	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.10	0.14	0.12	0.07	0.06	0.07	0.06	0.02	0.04	0.04	0.10	0.12
HWQ14 - Lake Washington	0.11	0.15	0.13	0.07	0.07	0.07	0.07	0.06	0.07	0.09	0.14	0.14
HWQ16 - Bayou Grand Liard	0.06	0.09	0.11	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.11
CRMS 3985	0.11	0.15	0.12	0.09	0.08	0.08	0.09	0.09	0.10	0.12	0.15	0.13
CRMS 0258	0.12	0.17	0.11	0.10	0.08	0.08	0.05	0.01	0.01	0.00	0.11	0.11
CRMS 0224	0.11	0.15	0.11	0.10	0.08	0.08	0.04	0.01	0.01	0.01	0.10	0.11
CRMS 0163	0.11	0.14	0.12	0.10	0.09	0.07	0.03	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.11

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.04	-0.05	-0.06	0.03	0.07	0.08	0.10	0.08	0.07	0.08	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.01	-0.01	0.00	0.02	0.04	-0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.03	-0.05	0.04	0.07	0.08	0.10	0.01	0.01	0.01	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	0.00	-0.04	0.02	0.04	0.03	0.02	-0.04	-0.03	0.01	0.02	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	0.00	-0.03	0.04	0.06	0.06	0.06	-0.01	-0.03	-0.01	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.00	-0.01	0.05	0.07	0.06	0.06	0.00	-0.02	-0.01	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.03	0.00	0.00	0.02	0.05	0.06	0.03	-0.01	-0.04	-0.01	0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.01	0.03	0.02	-0.01	-0.04	-0.04	0.00	0.02	-0.02
HWQ16 - Bayou Grand Liard	-0.01	0.00	0.02	0.01	0.02	0.02	0.01	0.00	-0.01	0.00	0.00	0.02
CRMS 3985	-0.01	0.00	-0.02	0.01	0.01	0.00	-0.02	-0.04	-0.01	0.03	0.02	-0.02
CRMS 0258	-0.03	0.00	-0.02	0.05	0.08	0.07	0.05	0.00	0.00	0.00	0.00	-0.03
CRMS 0224	-0.03	0.00	-0.01	0.06	0.08	0.08	0.04	0.00	0.00	0.00	0.01	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 30 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.08	0.01	0.01	0.02	0.03	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.03	0.02	0.02	0.03	0.06	0.06	0.07	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.07	0.04	0.02	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.08	0.05	0.06	0.06	0.08	0.08	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.13	0.06	0.02	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.12	0.05	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.01	0.02	0.05	0.04	0.07	0.05	0.10	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.09	0.09	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.08	0.10	0.10	0.07	0.06	0.05	0.06	0.04	0.07	0.05	0.06	0.08
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.08	0.09	0.09	0.10	0.12	0.15
CRMS 0258	0.16	0.16	0.14	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.11	0.18
CRMS 0224	0.16	0.16	0.13	0.04	0.00	0.01	0.01	0.01	0.02	0.01	0.09	0.15
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.03	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

V3PR8 HYST - cy 0 - 1970 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.02	0.02
CRMS0276 - Just east of Wilkinson Canal	0.07	0.11	0.07	0.03	0.02	0.01	0.01	0.02	0.06	0.04	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.11	0.14	0.10	0.02	0.01	0.01	0.01	0.00	0.01	0.01	0.06	0.11
USGS2928590900040000 Barataria Waterway South of Lafitte	0.02	0.03	0.00	0.00	0.00	0.00	0.02	0.03	0.03	0.02	0.05	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.10	0.04	0.02	0.01	0.02	0.04	0.06	0.08	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.05	0.06	0.02	0.01	0.00	0.01	0.03	0.03	0.03	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.06	0.07	0.02	0.01	0.01	0.01	0.03	0.03	0.03	0.02	0.06	0.11
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.07	0.04	0.02	0.02	0.02	0.02	0.03	0.02	0.07	0.12
HWQ14 - Lake Washington	0.12	0.14	0.10	0.05	0.03	0.03	0.04	0.05	0.07	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.09	0.06	0.03	0.02	0.02	0.04	0.02	0.05	0.03	0.04	0.07
CRMS 3985	0.11	0.14	0.10	0.04	0.02	0.02	0.05	0.09	0.11	0.12	0.15	0.16
CRMS 0258	0.07	0.09	0.04	0.03	0.02	0.02	0.02	0.02	0.01	0.01	0.08	0.12
CRMS 0224	0.05	0.07	0.03	0.02	0.01	0.02	0.04	0.04	0.01	0.01	0.05	0.09
CRMS 0163	0.12	0.14	0.13	0.11	0.09	0.04	0.02	0.02	0.03	0.05	0.12	0.13
CRMS 0162	0.11	0.13	0.12	0.12	0.11	0.12	0.12	0.11	0.11	0.12	0.13	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.15	-0.17	-0.15	-0.08	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.10	-0.14
CRMS0276 - Just east of Wilkinson Canal	-0.03	-0.01	-0.04	-0.03	-0.01	-0.01	-0.01	-0.02	0.00	-0.02	-0.03	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.02	-0.05	-0.03	-0.01	0.00	0.00	0.00	0.00	-0.02	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.15	-0.16	-0.15	-0.07	0.00	0.00	0.02	0.03	0.02	0.02	-0.05	-0.11
USGS7380251 Barataria Bay North of Grand Isle	-0.06	-0.06	-0.10	-0.06	-0.04	-0.05	-0.02	-0.02	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.09	-0.09	-0.12	-0.05	-0.02	-0.03	-0.03	-0.03	-0.03	-0.02	-0.02	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.07	-0.07	-0.10	-0.04	-0.01	-0.02	-0.04	-0.03	-0.04	-0.04	-0.03	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.04	-0.06	-0.02	0.01	0.01	-0.02	-0.02	-0.04	-0.03	-0.02	-0.02
HWQ14 - Lake Washington	-0.02	-0.02	-0.03	-0.02	-0.02	-0.04	-0.05	-0.04	-0.01	-0.01	0.00	0.00
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.04	-0.04	-0.04	-0.03	-0.02	-0.01	-0.02	-0.02	-0.02	-0.01
CRMS 3985	-0.01	-0.01	-0.04	-0.05	-0.05	-0.06	-0.03	0.00	0.02	0.02	0.03	0.01
CRMS 0258	-0.09	-0.07	-0.10	-0.03	0.01	0.01	0.01	0.01	0.00	0.00	-0.03	-0.06
CRMS 0224	-0.10	-0.09	-0.10	-0.02	0.01	0.01	0.03	0.03	-0.01	0.00	-0.04	-0.06
CRMS 0163	0.01	0.01	0.01	0.00	-0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 31 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.13	0.06	0.01	0.01	0.01	0.02	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.02	0.01	0.02	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.09	0.08	0.05	0.02	0.01	0.01	0.01	0.01	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.09	0.10	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.12	0.05	0.02	0.03	0.05	0.07	0.06	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.10	0.05	0.02	0.03	0.05	0.07	0.08	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.11	0.05	0.01	0.01	0.03	0.05	0.08	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.07	0.09	0.12	0.10	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.06	0.05	0.06	0.05	0.07	0.04	0.05	0.09
CRMS 3985	0.12	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.10	0.09	0.12	0.15
CRMS 0258	0.14	0.14	0.11	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.11	0.16
CRMS 0224	0.14	0.15	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

V3PR8 HYST - cy 0 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.02	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.02	0.01
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.04	0.03	0.02	0.01	0.01	0.01	0.07	0.03	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.06	0.02	0.01	0.01	0.01	0.00	0.01	0.01	0.10	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.03	0.00	0.00	0.00	0.00	0.03	0.02	0.03	0.02	0.02	0.06	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.02	0.01	0.01	0.01	0.03	0.05	0.06	0.08	0.09	0.13	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.05	0.01	0.00	0.01	0.00	0.03	0.03	0.02	0.02	0.03	0.08	0.07
USGS 07380335 - Little Lake Near Cutoff	0.06	0.01	0.01	0.01	0.01	0.03	0.03	0.02	0.03	0.02	0.06	0.07
USGS073802516 Barataria Pass at Grand Isle	0.08	0.06	0.04	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.07	0.11
HWQ14 - Lake Washington	0.11	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.07	0.08	0.12	0.15
HWQ16 - Bayou Grand Liard	0.07	0.05	0.03	0.02	0.01	0.03	0.05	0.04	0.05	0.02	0.03	0.07
CRMS 3985	0.11	0.06	0.04	0.02	0.01	0.02	0.06	0.10	0.12	0.12	0.15	0.14
CRMS 0258	0.07	0.03	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.01	0.09	0.07
CRMS 0224	0.06	0.02	0.01	0.01	0.01	0.04	0.04	0.02	0.01	0.01	0.06	0.07
CRMS 0163	0.12	0.12	0.11	0.11	0.10	0.04	0.02	0.02	0.04	0.04	0.13	0.14
CRMS 0162	0.11	0.11	0.10	0.10	0.10	0.11	0.12	0.11	0.11	0.12	0.13	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.14	-0.16	-0.13	-0.06	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.09	-0.15
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.04	-0.05	-0.04	-0.03	-0.01	-0.01	-0.01	0.02	-0.01	-0.01	-0.04
Barataria Waterway at Lafitte (USACE82875)	0.00	0.02	-0.03	-0.06	-0.05	-0.01	-0.01	0.00	0.00	0.00	0.02	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.13	-0.17	-0.13	-0.04	0.00	0.02	0.02	0.02	0.02	0.02	-0.05	-0.14
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.13	-0.12	-0.07	-0.04	-0.03	-0.04	-0.04	-0.01	0.01	0.01	-0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.08	-0.14	-0.11	-0.05	-0.02	0.00	-0.02	-0.04	-0.04	-0.02	-0.02	-0.08
USGS 07380335 - Little Lake Near Cutoff	-0.06	-0.12	-0.09	-0.04	-0.01	0.00	-0.02	-0.05	-0.05	-0.03	-0.02	-0.06
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.08	-0.07	-0.02	0.01	0.01	-0.01	-0.03	-0.05	-0.02	-0.02	-0.02
HWQ14 - Lake Washington	-0.02	-0.07	-0.07	-0.05	-0.03	-0.04	-0.05	-0.07	-0.03	-0.01	0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.05	-0.05	-0.05	-0.04	-0.02	-0.01	-0.01	-0.02	-0.02	-0.01	-0.02
CRMS 3985	-0.01	-0.08	-0.10	-0.08	-0.07	-0.07	-0.06	-0.01	0.01	0.03	0.03	-0.01
CRMS 0258	-0.07	-0.11	-0.09	-0.02	0.01	0.00	0.00	0.01	0.00	0.00	-0.03	-0.08
CRMS 0224	-0.08	-0.13	-0.09	-0.02	0.00	0.03	0.03	0.02	0.00	0.00	-0.03	-0.09
CRMS 0163	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.01
CRMS 0162	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01

Figure WQ PO4 32 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.16	0.09	0.02	0.01	0.03	0.04	0.03	0.03	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.02	0.02	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.16	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.09	0.05	0.06	0.06	0.08	0.09	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.16	0.13	0.07	0.03	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.06	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.02	0.01	0.04	0.04	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.08	0.09	0.09	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.05	0.05	0.05	0.03	0.06	0.05	0.06	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.07	0.07	0.09	0.09	0.09	0.12	0.15
CRMS 0258	0.17	0.15	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.16
CRMS 0224	0.15	0.16	0.13	0.05	0.01	0.01	0.01	0.01	0.02	0.02	0.09	0.15
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

V3PR8 HYST - cy 0 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.11	0.11	0.11	0.10	0.09	0.09	0.08	0.07	0.10	0.12	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.10	0.06	0.02	0.02	0.02	0.03	0.05	0.04	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.10	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.10	0.11
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.12	0.13	0.09	0.10	0.00	0.00	0.00	0.01	0.02	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.14	0.08	0.07	0.03	0.06	0.07	0.10	0.09	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.12	0.07	0.09	0.01	0.03	0.04	0.05	0.05	0.11	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.07	0.01	0.04	0.05	0.06	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.05	0.03	0.01	0.03	0.04	0.07	0.05	0.10	0.14
HWQ14 - Lake Washington	0.13	0.14	0.13	0.07	0.06	0.04	0.08	0.10	0.11	0.10	0.13	0.17
HWQ16 - Bayou Grand Liard	0.07	0.11	0.09	0.07	0.05	0.05	0.05	0.03	0.05	0.04	0.06	0.09
CRMS 3985	0.12	0.14	0.14	0.09	0.07	0.06	0.10	0.13	0.12	0.11	0.14	0.15
CRMS 0258	0.14	0.13	0.13	0.06	0.03	0.01	0.01	0.01	0.01	0.01	0.11	0.15
CRMS 0224	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.01	0.02	0.02	0.10	0.13
CRMS 0163	0.11	0.13	0.13	0.09	0.05	0.02	0.01	0.01	0.02	0.04	0.13	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.05	0.02	0.09	0.08	0.06	0.03	0.04	0.07	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	-0.02	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.03	0.01	0.09	0.00	0.00	0.00	0.00	0.01	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.03	-0.01	0.00	0.01	-0.03	-0.01	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.03	-0.01	0.00	0.06	-0.02	-0.03	-0.02	-0.01	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	-0.01	0.00	0.05	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	-0.02	0.00	0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.02	-0.01	-0.01	0.01	-0.01	0.00	0.01	0.02	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.01	0.03	0.04	0.02	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	-0.02	-0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.02	-0.03	-0.02	0.00	0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.02
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 33 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.14	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.17
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.10	0.06	0.03	0.02	0.02	0.02	0.05	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.08	0.03	0.03	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.08	0.05	0.07	0.07	0.06	0.09	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.12	0.06	0.02	0.04	0.06	0.05	0.05	0.05	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.10	0.05	0.02	0.03	0.07	0.05	0.06	0.05	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.11	0.05	0.01	0.02	0.05	0.03	0.06	0.04	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.13	0.08	0.05	0.07	0.09	0.08	0.09	0.08	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.06	0.05	0.06	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.09	0.09	0.08	0.10	0.10	0.10	0.13	0.15
CRMS 0258	0.15	0.13	0.12	0.05	0.01	0.01	0.01	0.01	0.01	0.00	0.11	0.17
CRMS 0224	0.16	0.15	0.10	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

V3PR8 HYST - cy 0 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.09	0.10	0.09	0.10	0.10	0.10	0.09	0.08	0.10	0.13	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.10	0.06	0.04	0.03	0.05	0.03	0.06	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.11	0.12	0.06	0.01	0.01	0.01	0.01	0.00	0.01	0.01	0.06	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.09	0.10	0.10	0.10	0.10	0.11	0.06	0.01	0.02	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.09	0.11	0.10	0.09	0.09	0.09	0.06	0.07	0.09	0.15	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.08	0.03	0.04	0.11	0.16
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.11	0.10	0.09	0.10	0.10	0.08	0.05	0.05	0.10	0.14
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.07	0.05	0.05	0.06	0.05	0.04	0.04	0.10	0.15
HWQ14 - Lake Washington	0.12	0.11	0.12	0.08	0.07	0.06	0.07	0.07	0.07	0.09	0.14	0.18
HWQ16 - Bayou Grand Liard	0.10	0.10	0.10	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.05	0.08
CRMS 3985	0.12	0.10	0.12	0.09	0.08	0.08	0.08	0.09	0.10	0.12	0.15	0.16
CRMS 0258	0.11	0.10	0.11	0.10	0.06	0.05	0.05	0.01	0.01	0.01	0.11	0.17
CRMS 0224	0.11	0.10	0.11	0.10	0.06	0.05	0.04	0.01	0.01	0.01	0.10	0.14
CRMS 0163	0.11	0.10	0.12	0.10	0.08	0.04	0.03	0.02	0.04	0.05	0.12	0.14
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.04	0.03	0.09	0.09	0.10	0.09	0.08	0.09	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.01	-0.01	0.01	0.01	0.03	0.01	0.01	0.00	0.00	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	-0.05	-0.06	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	-0.02	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.08	-0.03	0.05	0.09	0.10	0.10	0.06	0.01	0.02	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.06	-0.03	0.02	0.04	0.02	0.03	0.00	-0.02	0.00	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.06	-0.01	0.04	0.07	0.06	0.04	0.03	-0.02	-0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.04	0.00	0.05	0.08	0.07	0.04	0.03	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.04	0.00	0.02	0.04	0.03	0.01	0.01	-0.02	0.00	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.04	-0.01	0.00	0.01	-0.01	-0.02	-0.01	-0.02	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.02	0.00	0.01	0.01	0.01	0.02	0.01	0.00	0.00	-0.01	0.00	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.00	0.00	-0.01	0.00	-0.01	0.00	0.02	0.02	0.01
CRMS 0258	-0.04	-0.03	-0.01	0.05	0.06	0.05	0.04	0.01	0.00	0.00	0.00	-0.01
CRMS 0224	-0.05	-0.05	0.01	0.07	0.05	0.04	0.03	0.00	0.00	0.00	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 34 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.14	0.08	0.04	0.06	0.07	0.09	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.13	0.06	0.02	0.03	0.05	0.05	0.06	0.06	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.11	0.14	0.12	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.05	0.01	0.01	0.03	0.03	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.04	0.06	0.09	0.10	0.11	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.11	0.13	0.11	0.09	0.12	0.15
CRMS 0258	0.15	0.17	0.13	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.11	0.15
CRMS 0224	0.14	0.15	0.13	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.08	0.16
CRMS 0163	0.11	0.14	0.12	0.11	0.09	0.08	0.04	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

V3PR8 HYST - cy 0 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.11	0.13	0.09	0.09	0.08	0.09	0.10	0.08	0.08	0.10	0.12	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.11	0.09	0.06	0.05	0.05	0.05	0.02	0.06	0.05	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.15	0.13	0.03	0.01	0.01	0.01	0.00	0.01	0.01	0.09	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.15	0.10	0.09	0.08	0.09	0.11	0.01	0.01	0.02	0.13	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.16	0.11	0.10	0.08	0.09	0.09	0.04	0.07	0.09	0.14	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.15	0.10	0.10	0.08	0.09	0.11	0.04	0.03	0.04	0.11	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.13	0.11	0.10	0.08	0.09	0.10	0.05	0.05	0.05	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.10	0.14	0.12	0.07	0.06	0.07	0.06	0.02	0.04	0.04	0.10	0.12
HWQ14 - Lake Washington	0.11	0.15	0.13	0.08	0.07	0.07	0.07	0.06	0.07	0.10	0.14	0.14
HWQ16 - Bayou Grand Liard	0.06	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.05	0.05	0.11
CRMS 3985	0.11	0.15	0.12	0.09	0.08	0.08	0.08	0.09	0.10	0.12	0.15	0.13
CRMS 0258	0.12	0.17	0.11	0.10	0.08	0.08	0.05	0.01	0.01	0.00	0.11	0.11
CRMS 0224	0.11	0.15	0.11	0.10	0.08	0.09	0.05	0.01	0.01	0.01	0.10	0.11
CRMS 0163	0.12	0.14	0.12	0.10	0.09	0.07	0.03	0.02	0.04	0.04	0.13	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.11

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.04	-0.05	-0.06	0.03	0.07	0.08	0.10	0.08	0.07	0.08	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	-0.01	-0.01	-0.01	0.01	0.02	0.04	0.00	0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.02	-0.05	-0.05	-0.04	-0.03	0.00	-0.01	0.00	0.02	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.03	-0.05	0.04	0.07	0.08	0.10	0.01	0.01	0.01	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	0.00	-0.04	0.02	0.04	0.03	0.02	-0.04	-0.03	0.01	0.02	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	0.00	-0.03	0.04	0.06	0.06	0.06	-0.02	-0.03	-0.01	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.00	-0.01	0.05	0.07	0.06	0.06	0.00	-0.02	-0.01	0.01	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.03	0.00	0.00	0.02	0.05	0.06	0.03	-0.01	-0.04	-0.01	0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.01	0.03	0.02	-0.01	-0.04	-0.03	0.01	0.02	-0.02
HWQ16 - Bayou Grand Liard	-0.01	0.00	0.02	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.02
CRMS 3985	-0.01	0.00	-0.02	0.01	0.01	0.00	-0.02	-0.04	-0.01	0.03	0.02	-0.02
CRMS 0258	-0.03	0.00	-0.02	0.05	0.08	0.08	0.05	0.00	0.00	0.00	0.00	-0.03
CRMS 0224	-0.03	0.00	-0.01	0.07	0.08	0.08	0.04	0.00	0.00	0.00	0.01	-0.04
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 35 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.08	0.01	0.01	0.02	0.03	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.03	0.02	0.02	0.03	0.06	0.06	0.07	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.13	0.12	0.07	0.04	0.02	0.01	0.01	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.08	0.05	0.06	0.06	0.08	0.08	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.13	0.06	0.02	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.12	0.05	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.01	0.02	0.05	0.04	0.07	0.05	0.10	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.09	0.09	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.08	0.10	0.10	0.07	0.06	0.05	0.06	0.04	0.07	0.05	0.06	0.08
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.08	0.09	0.09	0.10	0.12	0.15
CRMS 0258	0.16	0.16	0.14	0.06	0.01	0.01	0.00	0.01	0.01	0.01	0.11	0.18
CRMS 0224	0.16	0.16	0.13	0.04	0.00	0.01	0.01	0.01	0.02	0.01	0.09	0.15
CRMS 0163	0.11	0.14	0.13	0.11	0.10	0.04	0.01	0.01	0.03	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

V3PR9 HYST - cy 0 - 1970 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.08	0.01	0.01	0.02	0.04	0.03	0.03	0.11	0.15
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.09	0.06	0.03	0.02	0.02	0.03	0.06	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.11	0.15	0.11	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.11
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.19	0.16	0.07	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.14	0.08	0.05	0.05	0.08	0.10	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.14	0.06	0.02	0.02	0.05	0.07	0.07	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.06	0.02	0.02	0.05	0.06	0.08	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.01	0.01	0.03	0.04	0.08	0.06	0.09	0.13
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.09	0.11	0.10	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.06	0.05	0.06	0.03	0.06	0.05	0.05	0.07
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.07	0.10	0.11	0.10	0.09	0.12	0.15
CRMS 0258	0.16	0.17	0.14	0.07	0.01	0.01	0.00	0.01	0.01	0.01	0.12	0.17
CRMS 0224	0.16	0.16	0.13	0.05	0.00	0.01	0.01	0.01	0.02	0.01	0.09	0.15
CRMS 0163	0.12	0.14	0.13	0.10	0.10	0.04	0.02	0.01	0.02	0.05	0.12	0.13
CRMS 0162	0.10	0.12	0.12	0.11	0.10	0.11	0.12	0.11	0.11	0.12	0.12	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.02	-0.01	0.00	0.00	0.00	0.00	0.01	-0.01	-0.02	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.01	-0.05	-0.03	-0.01	0.00	0.00	0.00	0.00	-0.01	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	-0.01	0.02	0.02	0.01	-0.01	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.01	0.01	0.00	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.01	0.01	0.01	0.00	-0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	0.02	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01	-0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.01	-0.01	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 36 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.13	0.06	0.01	0.01	0.01	0.02	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.02	0.01	0.02	0.05	0.05	0.06	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.09	0.08	0.05	0.02	0.01	0.01	0.01	0.01	0.08	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.09	0.10	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.12	0.05	0.02	0.03	0.05	0.07	0.06	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.10	0.05	0.02	0.03	0.05	0.07	0.08	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.11	0.05	0.01	0.01	0.03	0.05	0.08	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.07	0.09	0.12	0.10	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.06	0.05	0.06	0.05	0.07	0.04	0.05	0.09
CRMS 3985	0.12	0.14	0.13	0.10	0.08	0.09	0.11	0.11	0.10	0.09	0.12	0.15
CRMS 0258	0.14	0.14	0.11	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.11	0.16
CRMS 0224	0.14	0.15	0.10	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.11	0.10	0.10	0.10	0.03	0.01	0.01	0.03	0.04	0.12	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

V3PR9 HYST - cy 0 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.14	0.06	0.01	0.01	0.01	0.03	0.02	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.09	0.06	0.04	0.02	0.02	0.03	0.07	0.04	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.10	0.12	0.06	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.14	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.07	0.09	0.09	0.09	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.12	0.05	0.02	0.03	0.05	0.08	0.06	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.10	0.05	0.02	0.03	0.05	0.08	0.07	0.06	0.08	0.12
USGS073802516 Barataria Pass at Grand Isle	0.13	0.14	0.11	0.05	0.01	0.01	0.03	0.06	0.07	0.05	0.09	0.13
HWQ14 - Lake Washington	0.13	0.15	0.13	0.07	0.05	0.07	0.10	0.12	0.10	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.06	0.05	0.06	0.06	0.07	0.04	0.05	0.07
CRMS 3985	0.12	0.14	0.13	0.10	0.08	0.09	0.12	0.09	0.10	0.09	0.12	0.15
CRMS 0258	0.14	0.14	0.11	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.12	0.15
CRMS 0224	0.14	0.15	0.11	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.15
CRMS 0163	0.12	0.11	0.10	0.10	0.09	0.03	0.01	0.01	0.03	0.03	0.13	0.13
CRMS 0162	0.11	0.10	0.09	0.09	0.09	0.11	0.12	0.11	0.11	0.12	0.13	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.02	0.00	-0.01	-0.04
Barataria Waterway at Lafitte (USACE82875)	0.00	0.02	-0.03	-0.06	-0.05	-0.01	-0.01	0.00	0.00	0.00	0.03	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	-0.02
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 37 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.16	0.09	0.02	0.01	0.03	0.04	0.03	0.03	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.11	0.06	0.02	0.02	0.02	0.03	0.06	0.06	0.07	0.11
Barataria Waterway at Lafitte (USACE82875)	0.09	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.16	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.16	0.15	0.09	0.05	0.06	0.06	0.08	0.09	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.16	0.13	0.07	0.03	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.06	0.02	0.03	0.06	0.06	0.07	0.06	0.09	0.14
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.02	0.01	0.04	0.04	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.14	0.07	0.05	0.06	0.08	0.09	0.09	0.08	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.09	0.07	0.05	0.05	0.05	0.03	0.06	0.05	0.06	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.07	0.07	0.09	0.09	0.09	0.12	0.15
CRMS 0258	0.17	0.15	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.12	0.16
CRMS 0224	0.15	0.16	0.13	0.05	0.01	0.01	0.01	0.01	0.02	0.02	0.09	0.15
CRMS 0163	0.11	0.13	0.13	0.10	0.05	0.01	0.01	0.01	0.02	0.04	0.12	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

V3PR9 HYST - cy 0 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.17	0.18	0.16	0.09	0.02	0.01	0.03	0.04	0.03	0.03	0.12	0.16
CRMS0276 - Just east of Wilkinson Canal	0.10	0.12	0.08	0.07	0.03	0.03	0.03	0.03	0.04	0.04	0.05	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.09	0.02	0.01	0.01	0.01	0.01	0.02	0.01	0.11	0.11
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.18	0.16	0.08	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.14	0.08	0.05	0.05	0.06	0.08	0.09	0.08	0.13	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.16	0.13	0.07	0.03	0.03	0.06	0.06	0.06	0.06	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.12	0.14	0.12	0.06	0.02	0.02	0.05	0.06	0.07	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.13	0.15	0.12	0.06	0.02	0.01	0.04	0.04	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.16	0.14	0.08	0.05	0.05	0.08	0.10	0.10	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.10	0.08	0.07	0.06	0.05	0.05	0.03	0.05	0.04	0.05	0.08
CRMS 3985	0.12	0.14	0.14	0.09	0.07	0.06	0.07	0.09	0.09	0.09	0.13	0.15
CRMS 0258	0.17	0.15	0.15	0.07	0.01	0.01	0.01	0.01	0.01	0.02	0.12	0.15
CRMS 0224	0.15	0.16	0.13	0.05	0.01	0.01	0.01	0.01	0.02	0.02	0.10	0.15
CRMS 0163	0.11	0.13	0.13	0.09	0.06	0.02	0.01	0.01	0.02	0.04	0.13	0.13
CRMS 0162	0.11	0.12	0.12	0.12	0.11	0.11	0.12	0.10	0.10	0.12	0.12	0.12

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.02	0.01	0.01	0.01	0.00	0.00	-0.02	-0.02	-0.02	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	-0.03	-0.03	-0.01	0.00	0.00	0.00	0.01	0.00	0.02	0.02
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 38 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.14	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.17
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.10	0.06	0.03	0.02	0.02	0.02	0.05	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.11	0.08	0.03	0.03	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.13	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.08	0.05	0.07	0.07	0.06	0.09	0.09	0.13	0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.12	0.06	0.02	0.04	0.06	0.05	0.05	0.05	0.10	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.10	0.05	0.02	0.03	0.07	0.05	0.06	0.05	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.14	0.14	0.11	0.05	0.01	0.02	0.05	0.03	0.06	0.04	0.09	0.14
HWQ14 - Lake Washington	0.14	0.16	0.13	0.08	0.05	0.07	0.09	0.08	0.09	0.08	0.13	0.17
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.06	0.05	0.06	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.09	0.09	0.08	0.10	0.10	0.10	0.13	0.15
CRMS 0258	0.15	0.13	0.12	0.05	0.01	0.01	0.01	0.01	0.01	0.00	0.11	0.17
CRMS 0224	0.16	0.15	0.10	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.10	0.12	0.11	0.09	0.06	0.03	0.02	0.04	0.05	0.13	0.13
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

V3PR9 HYST - cy 0 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.14	0.06	0.01	0.01	0.01	0.01	0.01	0.02	0.11	0.17
CRMS0276 - Just east of Wilkinson Canal	0.10	0.11	0.09	0.05	0.03	0.03	0.02	0.03	0.06	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.11	0.12	0.06	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.14
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.17	0.14	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.17
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.08	0.06	0.07	0.06	0.06	0.09	0.09	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.15	0.12	0.06	0.02	0.04	0.06	0.05	0.05	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.13	0.14	0.11	0.05	0.02	0.03	0.07	0.06	0.07	0.05	0.08	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.15	0.11	0.05	0.02	0.02	0.05	0.03	0.06	0.05	0.09	0.13
HWQ14 - Lake Washington	0.14	0.16	0.13	0.08	0.06	0.07	0.09	0.08	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.08	0.10	0.09	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.12	0.14	0.13	0.10	0.08	0.08	0.08	0.10	0.10	0.10	0.12	0.15
CRMS 0258	0.15	0.13	0.12	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.16
CRMS 0224	0.16	0.15	0.11	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.16
CRMS 0163	0.11	0.10	0.12	0.10	0.09	0.05	0.03	0.02	0.04	0.05	0.12	0.14
CRMS 0162	0.10	0.09	0.11	0.10	0.10	0.10	0.11	0.11	0.12	0.12	0.13	0.13

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.01	0.02	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	-0.04	-0.06	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	-0.02	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	0.01
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 39 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.11	0.10	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.05	0.10
Barataria Waterway at Lafitte (USACE82875)	0.10	0.14	0.11	0.08	0.05	0.05	0.03	0.01	0.02	0.01	0.07	0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.05	0.01	0.00	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.14	0.08	0.04	0.06	0.07	0.09	0.10	0.08	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.13	0.06	0.02	0.03	0.05	0.05	0.06	0.06	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.11	0.14	0.12	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.05	0.01	0.01	0.03	0.03	0.07	0.05	0.09	0.14
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.04	0.06	0.09	0.10	0.11	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.06	0.05	0.09
CRMS 3985	0.12	0.15	0.14	0.09	0.07	0.08	0.11	0.13	0.11	0.09	0.12	0.15
CRMS 0258	0.15	0.17	0.13	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.11	0.15
CRMS 0224	0.14	0.15	0.13	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.08	0.16
CRMS 0163	0.11	0.14	0.12	0.11	0.09	0.08	0.04	0.01	0.04	0.04	0.12	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

V3PR9 HYST - cy 0 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.18	0.15	0.07	0.01	0.01	0.01	0.01	0.01	0.02	0.11	0.16
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.07	0.06	0.04	0.03	0.02	0.03	0.07	0.05	0.05	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.15	0.13	0.03	0.01	0.01	0.01	0.00	0.01	0.01	0.09	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.18	0.15	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.16	0.14	0.07	0.04	0.06	0.06	0.06	0.09	0.09	0.12	0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.13	0.06	0.01	0.03	0.06	0.04	0.05	0.05	0.09	0.15
USGS 07380335 - Little Lake Near Cutoff	0.11	0.14	0.12	0.05	0.02	0.03	0.06	0.05	0.07	0.05	0.08	0.13
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.12	0.05	0.01	0.01	0.05	0.03	0.06	0.05	0.09	0.13
HWQ14 - Lake Washington	0.13	0.16	0.14	0.07	0.04	0.07	0.08	0.08	0.09	0.09	0.12	0.16
HWQ16 - Bayou Grand Liard	0.07	0.09	0.08	0.07	0.06	0.06	0.06	0.07	0.07	0.05	0.05	0.08
CRMS 3985	0.12	0.15	0.14	0.08	0.07	0.08	0.08	0.10	0.10	0.10	0.12	0.14
CRMS 0258	0.15	0.17	0.13	0.06	0.01	0.01	0.01	0.00	0.01	0.01	0.11	0.14
CRMS 0224	0.14	0.15	0.13	0.04	0.00	0.01	0.01	0.01	0.01	0.01	0.09	0.15
CRMS 0163	0.12	0.14	0.12	0.10	0.09	0.08	0.03	0.02	0.04	0.04	0.13	0.12
CRMS 0162	0.11	0.13	0.10	0.10	0.08	0.09	0.11	0.11	0.12	0.12	0.13	0.10

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	-0.01	-0.03	-0.01	-0.01	0.00	0.01	0.01	0.02	0.00	0.00	-0.02
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.02	-0.05	-0.05	-0.04	-0.03	0.00	-0.01	0.00	0.01	0.03
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.02	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	-0.01	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.02	-0.02	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.03	-0.01	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0224	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 40 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.05	0.01	0.01	0.02	0.05	0.03	0.02	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.11	0.07	0.06	0.07	0.09	0.12	0.09	0.07	0.10	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.06	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.08	0.04	0.02	0.03	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.08	0.04	0.02	0.02	0.03	0.04	0.07	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.13	0.10	0.06	0.05	0.06	0.08	0.10	0.09	0.07	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.11	0.09	0.08	0.09	0.12	0.13	0.09	0.08	0.10	0.10
CRMS 0258	0.11	0.10	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.14	0.12	0.08	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.06	0.07	0.09	0.11	0.13	0.07	0.02	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

V3PR2 HYST - cy 1 - 1975 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.07	0.08	0.10	0.12	0.11	0.09	0.08	0.06	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.07	0.08	0.10	0.12	0.11	0.04	0.01	0.02	0.02	0.09	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.08	0.09	0.10	0.09	0.06	0.06	0.07	0.09	0.08	0.11	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.09	0.10	0.10	0.07	0.05	0.03	0.04	0.05	0.09	0.11
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.09	0.08	0.09	0.07	0.05	0.05	0.06	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.10	0.09	0.09	0.06	0.05	0.04	0.04	0.03	0.06	0.05	0.09	0.11
HWQ14 - Lake Washington	0.12	0.10	0.11	0.06	0.07	0.07	0.08	0.08	0.09	0.09	0.11	0.13
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.11	0.08	0.08	0.08	0.10	0.13	0.11	0.11	0.11	0.10
CRMS 0258	0.08	0.08	0.09	0.06	0.02	0.01	0.00	0.00	0.01	0.01	0.09	0.11
CRMS 0224	0.08	0.08	0.09	0.06	0.02	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0163	0.06	0.08	0.09	0.11	0.13	0.07	0.02	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.03	0.06	0.11	0.10	0.07	0.03	0.03	0.03	-0.03	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.09	-0.08	-0.03	0.07	0.12	0.11	0.04	0.00	0.01	0.01	0.00	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.02	0.02	0.04	-0.01	-0.03	-0.05	0.00	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.05	-0.01	0.05	0.08	0.04	-0.01	-0.03	-0.02	0.00	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.03	0.01	0.04	0.07	0.04	0.00	-0.01	-0.01	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.02	0.04	0.02	0.01	-0.01	-0.01	0.00	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.00	0.02	0.00	-0.01	-0.02	-0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	-0.01	0.00	-0.02	-0.02	0.00	0.02	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.06	-0.04	0.01	0.04	0.02	0.01	0.00	0.00	0.00	0.01	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 41 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.12	0.05	0.01	0.01	0.03	0.06	0.03	0.03	0.10	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.03	0.02	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.12	0.08	0.06	0.08	0.10	0.10	0.09	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.06	0.08	0.06	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.09	0.05	0.02	0.03	0.05	0.07	0.07	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.03	0.06	0.07	0.04	0.08	0.10
HWQ14 - Lake Washington	0.13	0.14	0.11	0.07	0.05	0.07	0.09	0.12	0.09	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.10	0.09	0.10	0.12	0.10	0.09	0.08	0.09	0.08
CRMS 0258	0.12	0.11	0.10	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.10
CRMS 0224	0.13	0.13	0.09	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.12
CRMS 0163	0.08	0.08	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.11	0.09	0.07	0.07	0.07	0.07	0.06

V3PR2 HYST - cy 1 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.10	0.08	0.08	0.07	0.06	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.08	0.05	0.03	0.02	0.03	0.05	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.04	0.02	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.08	0.10	0.11	0.13	0.05	0.01	0.01	0.02	0.02	0.09	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.11	0.10	0.10	0.06	0.06	0.08	0.09	0.09	0.11	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.10	0.10	0.11	0.05	0.04	0.04	0.05	0.05	0.09	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.09	0.09	0.05	0.04	0.05	0.06	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.10	0.10	0.06	0.05	0.02	0.03	0.04	0.06	0.05	0.09	0.10
HWQ14 - Lake Washington	0.11	0.11	0.11	0.07	0.06	0.06	0.08	0.09	0.09	0.09	0.11	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.07
CRMS 3985	0.11	0.11	0.12	0.09	0.08	0.08	0.11	0.13	0.12	0.11	0.11	0.10
CRMS 0258	0.09	0.09	0.11	0.06	0.02	0.00	0.00	0.01	0.01	0.01	0.09	0.09
CRMS 0224	0.09	0.09	0.11	0.07	0.02	0.01	0.01	0.01	0.02	0.01	0.08	0.09
CRMS 0163	0.08	0.09	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.11	0.09	0.08	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.05	0.12	0.09	0.05	0.02	0.04	0.04	-0.04	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	-0.02	0.07	0.13	0.04	0.00	-0.01	0.01	0.01	0.00	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.02	0.04	-0.02	-0.04	-0.03	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.05	0.00	0.05	0.08	0.01	-0.02	-0.04	-0.01	0.00	0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.04	0.07	0.02	-0.01	-0.02	-0.01	0.00	0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.02	0.04	0.01	0.00	-0.02	-0.01	0.00	0.01	0.00
HWQ14 - Lake Washington	-0.01	-0.03	0.00	0.00	0.01	-0.01	-0.01	-0.03	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.03	0.02	0.03	0.02	0.01
CRMS 0258	-0.03	-0.02	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.04	-0.03	0.02	0.03	0.02	0.00	0.00	-0.01	0.00	0.01	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 42 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.12	0.05	0.01	0.02	0.05	0.06	0.04	0.03	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.04	0.03	0.02	0.02	0.04	0.05	0.05	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.12	0.04	0.01	0.01	0.01	0.03	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.10	0.06	0.04	0.07	0.06	0.08	0.08	0.07	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.04	0.02	0.03	0.06	0.06	0.06	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.03	0.06	0.06	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.04	0.01	0.02	0.04	0.04	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.06	0.07	0.08	0.08	0.07	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.06	0.05	0.06	0.06
CRMS 3985	0.10	0.10	0.10	0.06	0.05	0.07	0.07	0.08	0.09	0.08	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.14	0.12	0.09	0.03	0.00	0.01	0.02	0.02	0.03	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

V3PR2 HYST - cy 1 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.08	0.08	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.04	0.03	0.02	0.02	0.03	0.06	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.06	0.07	0.05	0.05	0.01	0.01	0.01	0.01	0.02	0.07	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.08	0.09	0.05	0.05	0.04	0.07	0.08	0.10	0.08	0.10	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.04	0.04	0.02	0.04	0.04	0.05	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.07	0.06	0.04	0.04	0.02	0.04	0.05	0.07	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.08	0.07	0.03	0.02	0.01	0.03	0.04	0.07	0.05	0.08	0.10
HWQ14 - Lake Washington	0.13	0.10	0.09	0.04	0.04	0.05	0.08	0.09	0.10	0.09	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.04	0.04	0.04	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.06	0.07	0.11	0.13	0.12	0.10	0.10	0.10
CRMS 0258	0.13	0.08	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.12	0.08	0.06	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.09	-0.06	0.02	0.05	0.04	0.03	0.03	0.04	0.02	-0.03	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.09	-0.04	0.01	0.05	0.00	-0.01	-0.02	0.00	0.00	-0.01	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.04	-0.01	0.00	0.00	-0.02	0.00	0.00	0.02	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.00	0.02	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.02	0.00	0.02	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.02	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.03	-0.01	-0.01	0.00	-0.01	0.00	0.01	0.02	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.00	0.01	0.00	0.04	0.05	0.03	0.03	0.02	0.01
CRMS 0258	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.02	-0.04	-0.03	0.00	0.00	0.00	-0.01	-0.02	-0.01	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 43 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.13	0.06	0.01	0.01	0.02	0.02	0.02	0.02	0.10	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.05	0.04	0.02	0.03	0.05	0.05	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.13	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.09	0.06	0.08	0.09	0.10	0.10	0.08	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.12	0.06	0.03	0.04	0.05	0.05	0.06	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.11	0.05	0.02	0.02	0.04	0.04	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.13	0.08	0.06	0.07	0.09	0.10	0.10	0.08	0.10	0.13
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.13	0.14	0.15	0.11	0.10	0.10	0.12	0.14	0.11	0.09	0.11	0.11
CRMS 0258	0.15	0.13	0.12	0.04	0.01	0.01	0.01	0.00	0.01	0.00	0.09	0.14
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
CRMS 0163	0.10	0.10	0.12	0.12	0.10	0.08	0.04	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

V3PR2 HYST - cy 1 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.07	0.06	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.04	0.04	0.03	0.03	0.05	0.05	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.09	0.05	0.02	0.02	0.10	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.13	0.10	0.08	0.07	0.06	0.06	0.07	0.08	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.12	0.10	0.08	0.08	0.08	0.05	0.04	0.04	0.10	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.12	0.08	0.07	0.07	0.07	0.06	0.05	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.06	0.04	0.04	0.05	0.05	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.13	0.13	0.13	0.07	0.06	0.06	0.08	0.08	0.07	0.08	0.12	0.14
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.07
CRMS 3985	0.13	0.13	0.15	0.09	0.08	0.07	0.09	0.10	0.10	0.12	0.13	0.11
CRMS 0258	0.12	0.12	0.13	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.09	0.13
CRMS 0224	0.12	0.11	0.12	0.06	0.01	0.02	0.02	0.01	0.01	0.01	0.09	0.11
CRMS 0163	0.10	0.11	0.12	0.12	0.10	0.08	0.04	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.03	0.05	0.08	0.10	0.07	0.06	0.04	0.05	-0.02	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.06	-0.02	0.06	0.09	0.10	0.09	0.05	0.01	0.01	0.02	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.02	0.01	0.01	-0.01	-0.03	-0.04	-0.03	0.00	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.04	0.05	0.05	0.02	0.00	-0.03	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.02	0.03	0.04	0.04	0.02	0.00	-0.01	-0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.01	0.01	0.02	0.02	0.02	0.01	-0.02	-0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.03	0.01	0.00	0.00	0.00	-0.01	-0.02	-0.03	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.00	-0.01	-0.02	-0.03	-0.04	-0.04	0.00	0.02	0.02	0.01
CRMS 0258	-0.03	-0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.03	-0.03	0.02	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 44 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.04	0.01	0.01	0.02	0.01	0.03	0.02	0.09	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.06	0.06	0.05	0.03	0.05	0.07	0.06	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.04	0.03	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.06	0.04	0.07	0.09	0.10	0.10	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.03	0.05	0.05	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.07	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.05	0.08	0.09	0.10	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.06	0.06	0.07	0.08	0.08	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.08	0.12	0.14	0.11	0.09	0.08	0.09
CRMS 0258	0.14	0.15	0.09	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.13	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.04	0.02	0.06	0.06	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

V3PR2 HYST - cy 1 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.08	0.07	0.07	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.07	0.06	0.05	0.05	0.03	0.02	0.05	0.05	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.05	0.03	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.10	0.06	0.08	0.08	0.16	0.12	0.02	0.02	0.02	0.09	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.07	0.09	0.07	0.06	0.08	0.09	0.12	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.12	0.09	0.04	0.04	0.05	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.07	0.07	0.07	0.10	0.08	0.06	0.05	0.05	0.08	0.07
USGS073802516 Barataria Pass at Grand Isle	0.10	0.12	0.08	0.05	0.04	0.05	0.06	0.04	0.05	0.05	0.09	0.08
HWQ14 - Lake Washington	0.12	0.13	0.09	0.05	0.05	0.07	0.08	0.08	0.08	0.09	0.12	0.11
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.11	0.11	0.09	0.07	0.06	0.08	0.09	0.12	0.11	0.12	0.13	0.10
CRMS 0258	0.11	0.14	0.08	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.09	0.08
CRMS 0224	0.10	0.12	0.07	0.06	0.02	0.03	0.02	0.01	0.01	0.01	0.09	0.08
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.15	0.04	0.02	0.07	0.07	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.06	0.04	0.07	0.15	0.10	0.07	0.05	0.05	-0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.01	-0.03	-0.02	-0.01	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.07	0.05	0.08	0.15	0.12	0.01	0.01	0.01	0.00	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.03	0.02	0.03	0.02	-0.02	-0.04	-0.02	0.01	0.02	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.04	0.06	0.09	0.04	-0.01	-0.03	-0.01	0.01	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.02	0.03	0.05	0.07	0.03	0.00	-0.02	-0.01	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	-0.01	0.01	0.03	0.04	0.03	0.00	-0.02	-0.01	0.02	-0.01
HWQ14 - Lake Washington	-0.01	0.00	-0.01	0.01	0.02	0.01	0.00	-0.01	-0.03	0.00	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.01	0.01
CRMS 3985	0.01	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.02	0.01	0.03	0.04	0.01
CRMS 0258	-0.03	-0.01	-0.01	0.02	0.01	0.01	0.00	0.00	-0.01	-0.01	0.00	-0.01
CRMS 0224	-0.03	-0.01	-0.03	0.03	0.01	0.03	0.02	0.00	-0.01	0.00	0.01	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 45 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.05	0.01	0.01	0.02	0.05	0.03	0.02	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.11	0.07	0.06	0.07	0.09	0.12	0.09	0.07	0.10	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.06	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.08	0.04	0.02	0.03	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.08	0.04	0.02	0.02	0.03	0.04	0.07	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.13	0.10	0.06	0.05	0.06	0.08	0.10	0.09	0.07	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.11	0.09	0.08	0.09	0.12	0.13	0.09	0.08	0.10	0.10
CRMS 0258	0.11	0.10	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.14	0.12	0.08	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.06	0.07	0.09	0.11	0.13	0.07	0.02	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

V3PR3 HYST - cy 1 - 1975 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.07	0.08	0.10	0.12	0.11	0.09	0.08	0.07	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.07	0.08	0.11	0.12	0.11	0.04	0.01	0.01	0.01	0.09	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.08	0.09	0.10	0.09	0.07	0.06	0.07	0.09	0.08	0.11	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.09	0.10	0.10	0.07	0.05	0.03	0.04	0.05	0.09	0.11
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.09	0.08	0.09	0.06	0.05	0.05	0.06	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.10	0.09	0.09	0.05	0.05	0.04	0.04	0.03	0.06	0.05	0.08	0.11
HWQ14 - Lake Washington	0.11	0.10	0.10	0.06	0.07	0.07	0.08	0.08	0.09	0.08	0.11	0.13
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.07
CRMS 3985	0.10	0.10	0.11	0.08	0.08	0.08	0.10	0.12	0.11	0.10	0.11	0.10
CRMS 0258	0.08	0.08	0.09	0.06	0.02	0.01	0.00	0.00	0.01	0.01	0.09	0.11
CRMS 0224	0.08	0.08	0.09	0.06	0.02	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0163	0.06	0.08	0.09	0.11	0.13	0.07	0.02	0.01	0.06	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.03	0.06	0.11	0.10	0.07	0.03	0.03	0.03	-0.03	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.09	-0.08	-0.03	0.07	0.12	0.11	0.04	0.00	0.01	0.01	0.00	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.04	-0.02	0.02	0.04	-0.01	-0.03	-0.05	0.00	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.05	-0.01	0.05	0.08	0.04	-0.01	-0.03	-0.02	0.00	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.03	0.01	0.04	0.06	0.03	0.00	-0.01	-0.01	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.02	0.04	0.02	0.01	-0.01	-0.01	0.00	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.00	0.02	0.00	-0.01	-0.03	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	-0.01	0.00	-0.02	-0.02	0.00	0.02	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.06	-0.04	0.01	0.03	0.02	0.01	0.00	0.00	0.00	0.01	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 46 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.12	0.05	0.01	0.01	0.03	0.06	0.03	0.03	0.10	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.03	0.02	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.12	0.08	0.06	0.08	0.10	0.10	0.09	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.06	0.08	0.06	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.09	0.05	0.02	0.03	0.05	0.07	0.07	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.03	0.06	0.07	0.04	0.08	0.10
HWQ14 - Lake Washington	0.13	0.14	0.11	0.07	0.05	0.07	0.09	0.12	0.09	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.10	0.09	0.10	0.12	0.10	0.09	0.08	0.09	0.08
CRMS 0258	0.12	0.11	0.10	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.10
CRMS 0224	0.13	0.13	0.09	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.12
CRMS 0163	0.08	0.08	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.11	0.09	0.07	0.07	0.07	0.07	0.06

V3PR3 HYST - cy 1 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.10	0.08	0.08	0.07	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.08	0.05	0.03	0.02	0.03	0.05	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.04	0.02	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.08	0.10	0.11	0.13	0.05	0.01	0.01	0.01	0.01	0.09	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.11	0.10	0.10	0.05	0.06	0.08	0.09	0.09	0.11	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.10	0.10	0.11	0.04	0.04	0.04	0.05	0.05	0.09	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.09	0.09	0.05	0.04	0.05	0.06	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.10	0.10	0.06	0.05	0.02	0.03	0.04	0.06	0.05	0.09	0.10
HWQ14 - Lake Washington	0.11	0.11	0.11	0.07	0.06	0.06	0.08	0.09	0.09	0.09	0.11	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.05	0.07
CRMS 3985	0.11	0.11	0.12	0.09	0.08	0.08	0.11	0.13	0.12	0.11	0.12	0.10
CRMS 0258	0.10	0.09	0.11	0.06	0.02	0.00	0.00	0.01	0.01	0.01	0.09	0.10
CRMS 0224	0.09	0.09	0.11	0.06	0.02	0.01	0.01	0.01	0.02	0.02	0.08	0.10
CRMS 0163	0.08	0.08	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.09	0.08	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.05	0.12	0.09	0.05	0.02	0.04	0.04	-0.04	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	-0.02	0.07	0.13	0.04	0.00	-0.01	0.01	0.00	0.00	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.02	0.04	-0.02	-0.04	-0.03	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.05	0.00	0.05	0.08	0.01	-0.02	-0.04	-0.01	0.00	0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.04	0.06	0.02	-0.01	-0.02	-0.01	0.00	0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.02	0.04	0.01	0.00	-0.02	-0.01	0.00	0.01	0.00
HWQ14 - Lake Washington	-0.01	-0.03	0.00	0.00	0.01	-0.01	-0.01	-0.03	0.00	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	0.03	0.02	0.03	0.03	0.01
CRMS 0258	-0.03	-0.02	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.04	-0.03	0.02	0.03	0.02	0.00	0.00	-0.01	0.00	0.01	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 47 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.12	0.05	0.01	0.02	0.05	0.06	0.04	0.03	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.04	0.03	0.02	0.02	0.04	0.05	0.05	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.12	0.04	0.01	0.01	0.01	0.03	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.10	0.06	0.04	0.07	0.06	0.08	0.08	0.07	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.04	0.02	0.03	0.06	0.06	0.06	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.03	0.06	0.06	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.04	0.01	0.02	0.04	0.04	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.06	0.07	0.08	0.08	0.07	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.06	0.05	0.06	0.06
CRMS 3985	0.10	0.10	0.10	0.06	0.05	0.07	0.07	0.08	0.09	0.08	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.14	0.12	0.09	0.03	0.00	0.01	0.02	0.02	0.03	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

V3PR3 HYST - cy 1 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.09	0.08	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.04	0.03	0.02	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.05	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.06	0.08	0.05	0.06	0.01	0.01	0.01	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.08	0.09	0.05	0.05	0.04	0.06	0.08	0.10	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.04	0.05	0.02	0.04	0.04	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.07	0.06	0.04	0.04	0.02	0.04	0.05	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.08	0.06	0.03	0.02	0.01	0.03	0.04	0.07	0.05	0.08	0.10
HWQ14 - Lake Washington	0.13	0.10	0.09	0.04	0.04	0.05	0.08	0.09	0.10	0.08	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.04	0.04	0.04	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.10	0.09	0.10	0.06	0.06	0.07	0.11	0.13	0.12	0.10	0.10	0.10
CRMS 0258	0.13	0.08	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.12	0.08	0.06	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.09	-0.06	0.02	0.05	0.04	0.03	0.03	0.05	0.02	-0.03	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.09	-0.04	0.01	0.05	0.00	-0.01	-0.02	0.00	0.00	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.04	-0.02	0.00	0.00	-0.02	0.00	0.00	0.02	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.00	0.03	-0.01	-0.02	-0.02	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.02	0.00	0.02	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.02	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.03	-0.01	-0.01	0.00	-0.01	0.00	0.01	0.02	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.00	0.01	0.00	0.04	0.05	0.03	0.03	0.02	0.01
CRMS 0258	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.02	-0.04	-0.03	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 48 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.13	0.06	0.01	0.01	0.02	0.02	0.02	0.02	0.10	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.05	0.04	0.02	0.03	0.05	0.05	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.13	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.09	0.06	0.08	0.09	0.10	0.10	0.08	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.12	0.06	0.03	0.04	0.05	0.05	0.06	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.11	0.05	0.02	0.02	0.04	0.04	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.13	0.08	0.06	0.07	0.09	0.10	0.10	0.08	0.10	0.13
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.13	0.14	0.15	0.11	0.10	0.10	0.12	0.14	0.11	0.09	0.11	0.11
CRMS 0258	0.15	0.13	0.12	0.04	0.01	0.01	0.01	0.00	0.01	0.00	0.09	0.14
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
CRMS 0163	0.10	0.10	0.12	0.12	0.10	0.08	0.04	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

V3PR3 HYST - cy 1 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.07	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.04	0.04	0.03	0.03	0.05	0.05	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.09	0.11	0.10	0.05	0.01	0.01	0.10	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.12	0.10	0.08	0.07	0.06	0.06	0.07	0.08	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.12	0.10	0.08	0.08	0.08	0.05	0.04	0.04	0.10	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.12	0.08	0.07	0.07	0.07	0.06	0.05	0.05	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.06	0.04	0.04	0.05	0.05	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.13	0.13	0.13	0.07	0.06	0.06	0.08	0.08	0.07	0.08	0.12	0.14
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.06	0.07
CRMS 3985	0.12	0.13	0.14	0.09	0.08	0.07	0.09	0.10	0.10	0.11	0.13	0.11
CRMS 0258	0.12	0.12	0.13	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.10	0.13
CRMS 0224	0.12	0.11	0.12	0.06	0.01	0.02	0.02	0.01	0.01	0.01	0.09	0.12
CRMS 0163	0.10	0.11	0.12	0.12	0.10	0.08	0.04	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.03	0.05	0.08	0.10	0.07	0.06	0.05	0.05	-0.02	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.06	-0.02	0.07	0.09	0.10	0.09	0.05	0.01	0.01	0.02	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.02	0.01	0.02	-0.01	-0.03	-0.04	-0.03	0.00	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.04	0.05	0.05	0.02	-0.01	-0.03	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.02	0.03	0.04	0.04	0.02	0.00	-0.02	-0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.01	0.01	0.02	0.02	0.02	0.00	-0.03	-0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.03	0.01	-0.01	0.00	0.00	-0.01	-0.02	-0.03	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	0.00	-0.02	-0.02	-0.03	-0.04	-0.04	0.00	0.02	0.02	0.01
CRMS 0258	-0.02	-0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.03	-0.03	0.02	0.03	0.00	0.01	0.01	0.00	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 49 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.04	0.01	0.01	0.02	0.01	0.03	0.02	0.09	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.06	0.06	0.05	0.03	0.05	0.07	0.06	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.04	0.03	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.06	0.04	0.07	0.09	0.10	0.10	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.03	0.05	0.05	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.07	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.05	0.08	0.09	0.10	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.06	0.06	0.07	0.08	0.08	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.08	0.12	0.14	0.11	0.09	0.08	0.09
CRMS 0258	0.14	0.15	0.09	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.13	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.04	0.02	0.06	0.06	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

V3PR3 HYST - cy 1 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.09	0.08	0.07	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.07	0.06	0.05	0.04	0.03	0.02	0.05	0.05	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.05	0.03	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.10	0.06	0.08	0.08	0.16	0.12	0.01	0.01	0.01	0.09	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.07	0.09	0.07	0.06	0.08	0.09	0.12	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.11	0.06	0.08	0.08	0.12	0.09	0.04	0.04	0.05	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.07	0.07	0.07	0.10	0.08	0.06	0.05	0.05	0.08	0.07
USGS073802516 Barataria Pass at Grand Isle	0.10	0.12	0.08	0.04	0.04	0.05	0.06	0.04	0.05	0.04	0.09	0.08
HWQ14 - Lake Washington	0.12	0.13	0.09	0.05	0.05	0.06	0.08	0.08	0.07	0.09	0.12	0.11
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.06	0.08	0.09	0.11	0.11	0.12	0.13	0.09
CRMS 0258	0.11	0.14	0.08	0.05	0.01	0.01	0.01	0.00	0.01	0.00	0.09	0.08
CRMS 0224	0.10	0.12	0.07	0.06	0.02	0.03	0.02	0.01	0.01	0.01	0.09	0.08
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.15	0.04	0.02	0.07	0.07	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.06	0.04	0.07	0.15	0.10	0.07	0.05	0.05	-0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.01	-0.03	-0.02	-0.01	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.07	0.05	0.08	0.15	0.12	0.01	0.01	0.01	0.00	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.03	0.02	0.03	0.02	-0.01	-0.04	-0.02	0.01	0.02	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.04	0.04	0.06	0.09	0.04	-0.01	-0.03	-0.01	0.01	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.02	0.03	0.05	0.07	0.03	0.00	-0.02	-0.01	0.01	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.01	0.03	0.04	0.02	0.00	-0.03	-0.01	0.01	-0.01
HWQ14 - Lake Washington	-0.01	-0.01	-0.01	0.01	0.01	0.01	0.00	-0.01	-0.03	0.00	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.01	0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.03	0.00	0.03	0.04	0.00
CRMS 0258	-0.03	-0.01	-0.01	0.02	0.01	0.01	0.00	0.00	-0.01	-0.01	0.00	-0.01
CRMS 0224	-0.03	-0.01	-0.03	0.03	0.01	0.03	0.01	0.00	-0.01	0.00	0.01	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 50 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.05	0.01	0.01	0.02	0.05	0.03	0.02	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.11	0.07	0.06	0.07	0.09	0.12	0.09	0.07	0.10	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.06	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.08	0.04	0.02	0.03	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.08	0.04	0.02	0.02	0.03	0.04	0.07	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.13	0.10	0.06	0.05	0.06	0.08	0.10	0.09	0.07	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.11	0.09	0.08	0.09	0.12	0.13	0.09	0.08	0.10	0.10
CRMS 0258	0.11	0.10	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.14	0.12	0.08	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.06	0.07	0.09	0.11	0.13	0.07	0.02	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

V3PR4 HYST - cy 1 - 1975 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.07	0.08	0.10	0.12	0.11	0.09	0.08	0.07	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.08	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.07	0.08	0.10	0.12	0.11	0.05	0.01	0.02	0.02	0.09	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.08	0.09	0.10	0.11	0.07	0.06	0.07	0.09	0.08	0.11	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.07	0.07	0.08	0.10	0.12	0.09	0.05	0.03	0.04	0.05	0.09	0.11
USGS 07380335 - Little Lake Near Cutoff	0.08	0.07	0.08	0.09	0.11	0.08	0.06	0.05	0.06	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.09	0.08	0.09	0.06	0.06	0.04	0.04	0.03	0.06	0.05	0.09	0.11
HWQ14 - Lake Washington	0.11	0.10	0.10	0.07	0.07	0.06	0.07	0.07	0.09	0.09	0.11	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.07
CRMS 3985	0.09	0.10	0.10	0.09	0.09	0.07	0.09	0.12	0.11	0.11	0.11	0.09
CRMS 0258	0.08	0.08	0.09	0.08	0.04	0.01	0.01	0.00	0.01	0.01	0.09	0.12
CRMS 0224	0.08	0.08	0.09	0.08	0.04	0.02	0.01	0.01	0.02	0.02	0.08	0.11
CRMS 0163	0.06	0.08	0.09	0.11	0.13	0.07	0.02	0.01	0.06	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.03	0.06	0.11	0.10	0.07	0.03	0.03	0.03	-0.03	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.09	-0.08	-0.03	0.07	0.11	0.11	0.04	0.00	0.01	0.02	0.01	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.02	0.03	0.05	0.00	-0.03	-0.05	0.00	0.01	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.05	-0.01	0.06	0.09	0.06	0.00	-0.03	-0.02	0.00	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.03	0.01	0.05	0.08	0.05	0.01	-0.01	-0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.01	0.02	0.04	0.03	0.01	-0.01	-0.01	0.00	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.00	0.02	0.00	-0.01	-0.03	-0.01	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.01	-0.01	0.00	0.00	-0.02	-0.02	0.00	0.02	0.02	0.01	-0.01
CRMS 0258	-0.04	-0.02	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.06	-0.04	0.01	0.05	0.04	0.01	0.00	0.00	0.00	0.01	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 51 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.12	0.05	0.01	0.01	0.03	0.06	0.03	0.03	0.10	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.03	0.02	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.12	0.08	0.06	0.08	0.10	0.10	0.09	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.06	0.08	0.06	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.09	0.05	0.02	0.03	0.05	0.07	0.07	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.03	0.06	0.07	0.04	0.08	0.10
HWQ14 - Lake Washington	0.13	0.14	0.11	0.07	0.05	0.07	0.09	0.12	0.09	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.10	0.09	0.10	0.12	0.10	0.09	0.08	0.09	0.08
CRMS 0258	0.12	0.11	0.10	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.10
CRMS 0224	0.13	0.13	0.09	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.12
CRMS 0163	0.08	0.08	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.11	0.09	0.07	0.07	0.07	0.07	0.06

V3PR4 HYST - cy 1 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.09	0.10	0.13	0.10	0.08	0.08	0.07	0.06	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.08	0.05	0.03	0.02	0.03	0.05	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.04	0.02	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.08	0.09	0.10	0.13	0.05	0.01	0.01	0.02	0.02	0.09	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.10	0.11	0.12	0.06	0.06	0.08	0.09	0.09	0.11	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.11	0.12	0.05	0.03	0.04	0.05	0.05	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.10	0.11	0.05	0.04	0.05	0.06	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.09	0.10	0.07	0.06	0.03	0.03	0.03	0.06	0.05	0.09	0.10
HWQ14 - Lake Washington	0.11	0.11	0.11	0.07	0.07	0.06	0.07	0.08	0.09	0.09	0.12	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.06	0.05	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.09	0.08	0.11	0.13	0.12	0.11	0.11	0.10
CRMS 0258	0.09	0.09	0.11	0.08	0.04	0.00	0.01	0.00	0.01	0.01	0.10	0.09
CRMS 0224	0.09	0.09	0.11	0.08	0.05	0.01	0.01	0.01	0.02	0.02	0.09	0.09
CRMS 0163	0.08	0.09	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.05	0.12	0.09	0.05	0.02	0.04	0.04	-0.04	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	-0.02	0.06	0.13	0.04	0.00	-0.01	0.01	0.01	0.00	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.03	0.06	-0.02	-0.04	-0.03	0.01	0.01	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.05	0.00	0.05	0.10	0.02	-0.02	-0.04	-0.01	0.00	0.01	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.05	0.09	0.02	-0.01	-0.02	-0.01	0.00	0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.03	0.04	0.01	-0.01	-0.02	-0.01	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.01	0.02	-0.01	-0.02	-0.03	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	-0.01	0.00	0.00	-0.02	-0.02	0.03	0.02	0.03	0.03	0.01
CRMS 0258	-0.03	-0.02	0.00	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.04	-0.04	0.02	0.05	0.04	0.00	0.00	-0.01	0.00	0.01	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 52 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.12	0.05	0.01	0.02	0.05	0.06	0.04	0.03	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.04	0.03	0.02	0.02	0.04	0.05	0.05	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.12	0.04	0.01	0.01	0.01	0.03	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.10	0.06	0.04	0.07	0.06	0.08	0.08	0.07	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.04	0.02	0.03	0.06	0.06	0.06	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.03	0.06	0.06	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.04	0.01	0.02	0.04	0.04	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.06	0.07	0.08	0.08	0.07	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.06	0.05	0.06	0.06
CRMS 3985	0.10	0.10	0.10	0.06	0.05	0.07	0.07	0.08	0.09	0.08	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.14	0.12	0.09	0.03	0.00	0.01	0.02	0.02	0.03	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

V3PR4 HYST - cy 1 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.09	0.08	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.04	0.03	0.02	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.06	0.08	0.06	0.06	0.01	0.01	0.01	0.02	0.02	0.07	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.05	0.05	0.04	0.06	0.08	0.10	0.08	0.10	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.05	0.05	0.02	0.04	0.04	0.05	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.07	0.06	0.04	0.04	0.02	0.04	0.05	0.07	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.08	0.06	0.03	0.02	0.01	0.03	0.04	0.07	0.05	0.08	0.10
HWQ14 - Lake Washington	0.13	0.10	0.09	0.04	0.04	0.05	0.08	0.09	0.10	0.09	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.04	0.04	0.04	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.06	0.07	0.11	0.13	0.12	0.10	0.10	0.10
CRMS 0258	0.13	0.08	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.12	0.07	0.06	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.09	-0.06	0.02	0.05	0.04	0.03	0.03	0.05	0.02	-0.03	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.09	-0.04	0.01	0.05	0.01	0.00	-0.02	0.00	0.01	-0.01	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.05	-0.02	0.00	0.01	-0.02	0.00	0.00	0.02	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.06	-0.02	0.00	0.03	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.04	-0.02	0.00	0.03	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.00	0.01	0.00	-0.01	0.00	0.01	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.04	-0.01	-0.01	0.00	-0.01	0.00	0.01	0.02	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.00	0.00	0.00	0.04	0.05	0.03	0.03	0.02	0.01
CRMS 0258	-0.02	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.02	-0.04	-0.03	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 53 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.13	0.06	0.01	0.01	0.02	0.02	0.02	0.02	0.10	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.05	0.04	0.02	0.03	0.05	0.05	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.13	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.09	0.06	0.08	0.09	0.10	0.10	0.08	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.12	0.06	0.03	0.04	0.05	0.05	0.06	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.11	0.05	0.02	0.02	0.04	0.04	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.13	0.08	0.06	0.07	0.09	0.10	0.10	0.08	0.10	0.13
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.13	0.14	0.15	0.11	0.10	0.10	0.12	0.14	0.11	0.09	0.11	0.11
CRMS 0258	0.15	0.13	0.12	0.04	0.01	0.01	0.01	0.00	0.01	0.00	0.09	0.14
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
CRMS 0163	0.10	0.10	0.12	0.12	0.10	0.08	0.04	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

V3PR4 HYST - cy 1 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.07	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.04	0.04	0.04	0.03	0.05	0.05	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.09	0.05	0.02	0.02	0.11	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.11	0.12	0.10	0.08	0.08	0.07	0.06	0.07	0.08	0.12	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.11	0.10	0.08	0.10	0.09	0.06	0.04	0.04	0.10	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.09	0.08	0.09	0.09	0.07	0.05	0.05	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.06	0.04	0.05	0.06	0.05	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.13	0.12	0.13	0.07	0.06	0.06	0.08	0.08	0.07	0.08	0.12	0.14
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.07	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.07
CRMS 3985	0.12	0.12	0.14	0.09	0.08	0.07	0.08	0.09	0.10	0.11	0.13	0.09
CRMS 0258	0.12	0.11	0.13	0.07	0.02	0.01	0.01	0.01	0.01	0.01	0.10	0.13
CRMS 0224	0.12	0.11	0.12	0.07	0.02	0.02	0.03	0.01	0.01	0.01	0.09	0.12
CRMS 0163	0.10	0.11	0.12	0.12	0.10	0.08	0.03	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.03	0.05	0.08	0.10	0.07	0.06	0.05	0.05	-0.02	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	-0.02	0.06	0.09	0.10	0.09	0.05	0.01	0.02	0.02	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.02	0.01	0.02	0.00	-0.02	-0.04	-0.03	0.00	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.04	0.06	0.06	0.03	0.00	-0.03	-0.01	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.02	0.04	0.05	0.05	0.03	0.01	-0.02	-0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.01	0.02	0.03	0.03	0.02	0.01	-0.03	-0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.03	0.00	0.00	0.00	-0.01	-0.01	-0.02	-0.03	0.00	0.01	0.00
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 3985	-0.01	-0.01	-0.01	-0.02	-0.02	-0.03	-0.04	-0.05	-0.01	0.02	0.02	-0.01
CRMS 0258	-0.03	-0.02	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.04	-0.03	0.02	0.04	0.01	0.02	0.02	0.00	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 54 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.04	0.01	0.01	0.02	0.01	0.03	0.02	0.09	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.06	0.06	0.05	0.03	0.05	0.07	0.06	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.04	0.03	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.06	0.04	0.07	0.09	0.10	0.10	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.03	0.05	0.05	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.07	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.05	0.08	0.09	0.10	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.06	0.06	0.07	0.08	0.08	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.08	0.12	0.14	0.11	0.09	0.08	0.09
CRMS 0258	0.14	0.15	0.09	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.13	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.04	0.02	0.06	0.06	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

V3PR4 HYST - cy 1 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.09	0.08	0.07	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.07	0.06	0.05	0.05	0.04	0.02	0.05	0.05	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.05	0.03	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.10	0.06	0.08	0.08	0.16	0.12	0.02	0.02	0.02	0.09	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.08	0.11	0.08	0.06	0.08	0.09	0.12	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.14	0.11	0.04	0.04	0.05	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.06	0.08	0.08	0.12	0.10	0.06	0.05	0.05	0.08	0.06
USGS073802516 Barataria Pass at Grand Isle	0.10	0.12	0.08	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.09	0.08
HWQ14 - Lake Washington	0.11	0.13	0.09	0.06	0.05	0.07	0.08	0.08	0.07	0.09	0.12	0.10
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.10	0.11	0.08	0.07	0.07	0.09	0.09	0.11	0.11	0.12	0.13	0.09
CRMS 0258	0.11	0.14	0.07	0.07	0.03	0.03	0.01	0.00	0.01	0.00	0.09	0.07
CRMS 0224	0.10	0.12	0.07	0.07	0.04	0.05	0.03	0.01	0.01	0.01	0.09	0.07
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.15	0.04	0.02	0.07	0.06	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.06	0.03	0.07	0.15	0.10	0.07	0.05	0.05	-0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.01	-0.03	-0.02	-0.01	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.07	0.05	0.08	0.15	0.12	0.02	0.01	0.02	0.01	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.04	0.02	0.04	0.04	-0.01	-0.04	-0.03	0.01	0.02	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.04	0.04	0.06	0.11	0.06	-0.01	-0.03	-0.01	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.03	0.04	0.05	0.09	0.05	0.00	-0.02	-0.01	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.02	0.04	0.04	0.03	0.00	-0.03	-0.01	0.02	-0.02
HWQ14 - Lake Washington	-0.01	-0.01	-0.01	0.01	0.02	0.01	0.00	-0.02	-0.03	0.00	0.03	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	-0.01	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.00	0.00	0.00	-0.03	-0.03	0.00	0.03	0.04	0.00
CRMS 0258	-0.03	-0.01	-0.02	0.03	0.02	0.02	0.01	0.00	-0.01	-0.01	0.00	-0.02
CRMS 0224	-0.03	-0.01	-0.03	0.04	0.03	0.05	0.03	0.00	-0.01	0.00	0.01	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 55 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.05	0.01	0.01	0.02	0.05	0.03	0.02	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.11	0.07	0.06	0.07	0.09	0.12	0.09	0.07	0.10	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.06	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.08	0.04	0.02	0.03	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.08	0.04	0.02	0.02	0.03	0.04	0.07	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.13	0.10	0.06	0.05	0.06	0.08	0.10	0.09	0.07	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.11	0.09	0.08	0.09	0.12	0.13	0.09	0.08	0.10	0.10
CRMS 0258	0.11	0.10	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.14	0.12	0.08	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.06	0.07	0.09	0.11	0.13	0.07	0.02	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

V3PR5 HYST - cy 1 - 1975 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.07	0.08	0.10	0.12	0.11	0.09	0.08	0.07	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.08	0.07	0.05	0.03	0.02	0.02	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.07	0.08	0.10	0.12	0.11	0.04	0.01	0.01	0.01	0.09	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.08	0.08	0.09	0.10	0.11	0.07	0.06	0.07	0.09	0.09	0.11	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.07	0.07	0.08	0.10	0.12	0.09	0.05	0.03	0.04	0.05	0.09	0.11
USGS 07380335 - Little Lake Near Cutoff	0.08	0.07	0.08	0.09	0.11	0.08	0.06	0.05	0.06	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.09	0.08	0.09	0.06	0.06	0.04	0.04	0.03	0.06	0.05	0.09	0.11
HWQ14 - Lake Washington	0.11	0.10	0.10	0.07	0.07	0.06	0.07	0.07	0.09	0.09	0.11	0.13
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.07
CRMS 3985	0.10	0.10	0.10	0.09	0.09	0.07	0.09	0.12	0.11	0.11	0.12	0.11
CRMS 0258	0.08	0.08	0.09	0.08	0.04	0.01	0.01	0.00	0.01	0.01	0.09	0.12
CRMS 0224	0.08	0.08	0.09	0.08	0.04	0.02	0.01	0.01	0.02	0.02	0.08	0.11
CRMS 0163	0.06	0.08	0.09	0.11	0.13	0.07	0.02	0.01	0.06	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.03	0.06	0.11	0.10	0.07	0.03	0.03	0.03	-0.03	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.09	-0.08	-0.03	0.07	0.12	0.11	0.04	0.00	0.01	0.01	0.01	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.02	0.03	0.05	0.00	-0.03	-0.05	0.00	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.05	-0.01	0.06	0.09	0.06	0.00	-0.03	-0.02	0.00	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.03	0.01	0.05	0.08	0.05	0.01	-0.01	-0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.01	0.03	0.04	0.03	0.01	-0.01	-0.01	0.00	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.00	0.02	0.00	-0.01	-0.03	-0.01	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.01	-0.01	0.00	0.00	-0.02	-0.02	0.00	0.02	0.03	0.02	0.01
CRMS 0258	-0.04	-0.02	0.00	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.06	-0.04	0.01	0.05	0.04	0.01	0.00	0.00	0.00	0.01	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 56 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.12	0.05	0.01	0.01	0.03	0.06	0.03	0.03	0.10	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.03	0.02	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.12	0.08	0.06	0.08	0.10	0.10	0.09	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.06	0.08	0.06	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.09	0.05	0.02	0.03	0.05	0.07	0.07	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.03	0.06	0.07	0.04	0.08	0.10
HWQ14 - Lake Washington	0.13	0.14	0.11	0.07	0.05	0.07	0.09	0.12	0.09	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.10	0.09	0.10	0.12	0.10	0.09	0.08	0.09	0.08
CRMS 0258	0.12	0.11	0.10	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.10
CRMS 0224	0.13	0.13	0.09	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.12
CRMS 0163	0.08	0.08	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.11	0.09	0.07	0.07	0.07	0.07	0.06

V3PR5 HYST - cy 1 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.10	0.08	0.08	0.07	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.08	0.05	0.03	0.02	0.03	0.05	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.04	0.02	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.08	0.10	0.11	0.13	0.05	0.01	0.01	0.01	0.01	0.09	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.10	0.11	0.12	0.06	0.06	0.08	0.09	0.09	0.11	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.11	0.12	0.05	0.03	0.04	0.05	0.05	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.09	0.08	0.10	0.10	0.11	0.05	0.04	0.05	0.06	0.06	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.10	0.09	0.10	0.07	0.06	0.02	0.03	0.04	0.06	0.05	0.09	0.10
HWQ14 - Lake Washington	0.12	0.11	0.11	0.07	0.07	0.06	0.07	0.08	0.09	0.09	0.12	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.06	0.05	0.05	0.07
CRMS 3985	0.11	0.10	0.11	0.09	0.09	0.08	0.10	0.13	0.12	0.11	0.11	0.09
CRMS 0258	0.09	0.09	0.11	0.08	0.04	0.00	0.01	0.01	0.01	0.01	0.10	0.09
CRMS 0224	0.09	0.09	0.11	0.08	0.05	0.01	0.01	0.01	0.02	0.02	0.09	0.09
CRMS 0163	0.08	0.09	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.05	0.12	0.09	0.05	0.02	0.04	0.04	-0.04	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	-0.02	0.07	0.13	0.04	0.00	-0.01	0.01	0.01	0.00	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.03	0.06	-0.02	-0.04	-0.03	0.01	0.01	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.05	0.00	0.05	0.10	0.01	-0.02	-0.04	-0.01	0.00	0.01	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.05	0.09	0.02	-0.01	-0.02	-0.01	0.00	0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.03	0.04	0.01	-0.01	-0.02	-0.01	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.01	-0.03	0.00	0.01	0.02	-0.01	-0.02	-0.03	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	-0.01	0.00	0.00	-0.02	-0.02	0.03	0.02	0.03	0.02	0.00
CRMS 0258	-0.03	-0.02	0.00	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.04	-0.04	0.02	0.05	0.04	0.00	0.00	-0.01	0.00	0.01	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 57 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.12	0.05	0.01	0.02	0.05	0.06	0.04	0.03	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.04	0.03	0.02	0.02	0.04	0.05	0.05	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.12	0.04	0.01	0.01	0.01	0.03	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.10	0.06	0.04	0.07	0.06	0.08	0.08	0.07	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.04	0.02	0.03	0.06	0.06	0.06	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.03	0.06	0.06	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.04	0.01	0.02	0.04	0.04	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.06	0.07	0.08	0.08	0.07	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.06	0.05	0.06	0.06
CRMS 3985	0.10	0.10	0.10	0.06	0.05	0.07	0.07	0.08	0.09	0.08	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.14	0.12	0.09	0.03	0.00	0.01	0.02	0.02	0.03	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

V3PR5 HYST - cy 1 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.09	0.08	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.04	0.03	0.02	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.04	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.06	0.08	0.05	0.06	0.01	0.01	0.01	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.05	0.05	0.04	0.06	0.08	0.09	0.08	0.10	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.04	0.05	0.02	0.04	0.04	0.05	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.07	0.06	0.04	0.05	0.02	0.04	0.05	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.08	0.06	0.03	0.02	0.01	0.03	0.04	0.07	0.05	0.08	0.10
HWQ14 - Lake Washington	0.13	0.10	0.08	0.04	0.04	0.05	0.08	0.09	0.10	0.09	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.04	0.04	0.05	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.06	0.07	0.11	0.13	0.12	0.10	0.10	0.10
CRMS 0258	0.13	0.08	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.12	0.08	0.06	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.09	-0.06	0.02	0.05	0.04	0.03	0.03	0.04	0.02	-0.03	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.09	-0.04	0.01	0.05	0.00	-0.01	-0.02	0.00	0.00	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.05	-0.02	0.00	0.01	-0.02	0.00	0.00	0.02	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.06	-0.02	0.00	0.03	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.04	-0.02	0.00	0.03	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.00	0.01	0.00	-0.01	0.00	0.01	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.04	-0.01	-0.01	0.00	-0.01	0.00	0.01	0.02	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.00	0.00	0.00	0.04	0.05	0.03	0.03	0.02	0.01
CRMS 0258	-0.02	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.02	-0.04	-0.03	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 58 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.13	0.06	0.01	0.01	0.02	0.02	0.02	0.02	0.10	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.05	0.04	0.02	0.03	0.05	0.05	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.13	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.09	0.06	0.08	0.09	0.10	0.10	0.08	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.12	0.06	0.03	0.04	0.05	0.05	0.06	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.11	0.05	0.02	0.02	0.04	0.04	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.13	0.08	0.06	0.07	0.09	0.10	0.10	0.08	0.10	0.13
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.13	0.14	0.15	0.11	0.10	0.10	0.12	0.14	0.11	0.09	0.11	0.11
CRMS 0258	0.15	0.13	0.12	0.04	0.01	0.01	0.01	0.00	0.01	0.00	0.09	0.14
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
CRMS 0163	0.10	0.10	0.12	0.12	0.10	0.08	0.04	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

V3PR5 HYST - cy 1 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.07	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.04	0.04	0.04	0.03	0.05	0.05	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.09	0.05	0.01	0.02	0.10	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.11	0.12	0.10	0.08	0.08	0.07	0.06	0.07	0.08	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.11	0.10	0.08	0.10	0.09	0.06	0.04	0.04	0.10	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.09	0.08	0.09	0.09	0.07	0.05	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.06	0.05	0.05	0.06	0.05	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.13	0.12	0.13	0.07	0.06	0.06	0.08	0.08	0.07	0.08	0.12	0.14
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.07	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.07
CRMS 3985	0.12	0.12	0.14	0.09	0.08	0.07	0.08	0.09	0.10	0.11	0.13	0.11
CRMS 0258	0.12	0.11	0.13	0.07	0.02	0.01	0.01	0.01	0.01	0.01	0.10	0.13
CRMS 0224	0.12	0.11	0.12	0.07	0.02	0.02	0.03	0.01	0.01	0.01	0.09	0.12
CRMS 0163	0.10	0.11	0.12	0.12	0.10	0.08	0.03	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.03	0.05	0.08	0.10	0.07	0.06	0.05	0.05	-0.02	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	-0.02	0.06	0.09	0.10	0.09	0.05	0.01	0.01	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.02	0.02	0.02	0.00	-0.02	-0.04	-0.03	0.00	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.04	0.06	0.06	0.03	0.00	-0.03	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.02	0.04	0.05	0.05	0.03	0.01	-0.02	-0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	0.02	0.02	0.03	0.03	0.02	0.01	-0.03	-0.01	0.01	0.01
HWQ14 - Lake Washington	-0.01	-0.03	0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.03	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.02	-0.01	-0.02	-0.02	-0.03	-0.04	-0.05	-0.01	0.02	0.03	0.01
CRMS 0258	-0.03	-0.02	0.01	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.04	-0.03	0.02	0.04	0.01	0.02	0.02	0.00	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 59 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.04	0.01	0.01	0.02	0.01	0.03	0.02	0.09	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.06	0.06	0.05	0.03	0.05	0.07	0.06	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.04	0.03	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.06	0.04	0.07	0.09	0.10	0.10	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.03	0.05	0.05	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.07	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.05	0.08	0.09	0.10	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.06	0.06	0.07	0.08	0.08	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.08	0.12	0.14	0.11	0.09	0.08	0.09
CRMS 0258	0.14	0.15	0.09	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.13	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.04	0.02	0.06	0.06	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

V3PR5 HYST - cy 1 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.09	0.08	0.07	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.07	0.06	0.05	0.05	0.04	0.02	0.05	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.05	0.03	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.10	0.06	0.08	0.08	0.16	0.12	0.02	0.01	0.01	0.09	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.08	0.11	0.08	0.06	0.08	0.09	0.12	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.14	0.11	0.04	0.04	0.05	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.06	0.08	0.08	0.12	0.10	0.06	0.05	0.05	0.08	0.06
USGS073802516 Barataria Pass at Grand Isle	0.10	0.12	0.08	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.09	0.08
HWQ14 - Lake Washington	0.11	0.13	0.09	0.06	0.05	0.07	0.08	0.08	0.07	0.08	0.12	0.10
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.10	0.11	0.08	0.07	0.07	0.09	0.09	0.11	0.11	0.12	0.13	0.09
CRMS 0258	0.11	0.14	0.07	0.07	0.03	0.03	0.01	0.00	0.01	0.00	0.09	0.07
CRMS 0224	0.10	0.12	0.07	0.07	0.03	0.05	0.03	0.01	0.01	0.01	0.09	0.07
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.15	0.04	0.02	0.07	0.07	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.06	0.03	0.07	0.15	0.10	0.07	0.05	0.05	-0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.01	-0.03	-0.02	-0.01	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.07	0.05	0.08	0.15	0.12	0.01	0.01	0.01	0.01	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.04	0.02	0.04	0.04	-0.01	-0.04	-0.03	0.01	0.02	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.04	0.04	0.06	0.11	0.06	-0.01	-0.03	-0.01	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.03	0.03	0.05	0.09	0.05	0.00	-0.02	-0.01	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.02	0.04	0.05	0.03	0.00	-0.03	-0.01	0.02	-0.02
HWQ14 - Lake Washington	-0.01	-0.01	-0.01	0.01	0.02	0.01	0.00	-0.02	-0.03	0.00	0.03	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	-0.01	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.00	0.00	0.00	-0.03	-0.03	0.00	0.03	0.04	0.00
CRMS 0258	-0.03	-0.01	-0.02	0.03	0.02	0.02	0.01	0.00	-0.01	-0.01	0.00	-0.02
CRMS 0224	-0.03	-0.01	-0.03	0.04	0.03	0.05	0.03	0.00	-0.01	0.00	0.01	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 60 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.05	0.01	0.01	0.02	0.05	0.03	0.02	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.11	0.07	0.06	0.07	0.09	0.12	0.09	0.07	0.10	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.06	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.08	0.04	0.02	0.03	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.08	0.04	0.02	0.02	0.03	0.04	0.07	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.13	0.10	0.06	0.05	0.06	0.08	0.10	0.09	0.07	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.11	0.09	0.08	0.09	0.12	0.13	0.09	0.08	0.10	0.10
CRMS 0258	0.11	0.10	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.14	0.12	0.08	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.06	0.07	0.09	0.11	0.13	0.07	0.02	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

V3PR6 HYST - cy 1 - 1975 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.08	0.10	0.11	0.11	0.09	0.08	0.07	0.06	0.07	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.08	0.07	0.06	0.04	0.03	0.02	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.04	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.07	0.08	0.10	0.12	0.11	0.05	0.01	0.02	0.02	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.07	0.07	0.08	0.10	0.12	0.10	0.06	0.07	0.09	0.09	0.12	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.07	0.07	0.08	0.10	0.12	0.11	0.06	0.03	0.04	0.05	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.07	0.07	0.08	0.10	0.12	0.10	0.07	0.05	0.06	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.09	0.08	0.09	0.08	0.07	0.05	0.04	0.03	0.06	0.05	0.09	0.12
HWQ14 - Lake Washington	0.10	0.09	0.09	0.08	0.08	0.06	0.07	0.07	0.08	0.09	0.12	0.13
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.08	0.09	0.07	0.06	0.06	0.06	0.06	0.06	0.07
CRMS 3985	0.09	0.08	0.09	0.10	0.11	0.08	0.08	0.11	0.11	0.11	0.12	0.11
CRMS 0258	0.07	0.08	0.09	0.11	0.11	0.03	0.01	0.00	0.01	0.01	0.09	0.12
CRMS 0224	0.07	0.07	0.09	0.11	0.12	0.05	0.01	0.01	0.02	0.02	0.09	0.12
CRMS 0163	0.06	0.08	0.09	0.11	0.13	0.07	0.02	0.01	0.06	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.10	0.09	0.07	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.03	0.06	0.11	0.10	0.07	0.04	0.04	0.03	-0.03	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.01	0.01	0.01	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.09	-0.08	-0.03	0.07	0.11	0.11	0.05	0.01	0.01	0.02	0.01	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.05	-0.03	0.03	0.06	0.02	-0.03	-0.05	0.00	0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.06	-0.05	-0.01	0.06	0.10	0.08	0.01	-0.03	-0.02	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.04	-0.04	0.00	0.06	0.10	0.07	0.02	-0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.04	0.00	0.04	0.06	0.04	0.01	-0.02	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.03	-0.05	-0.01	0.01	0.03	0.00	-0.02	-0.03	-0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.03	-0.02	0.01	0.02	-0.01	-0.03	-0.01	0.02	0.03	0.02	0.01
CRMS 0258	-0.04	-0.03	-0.01	0.07	0.10	0.02	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.07	-0.04	0.01	0.08	0.11	0.04	0.01	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 61 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.12	0.05	0.01	0.01	0.03	0.06	0.03	0.03	0.10	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.03	0.02	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.12	0.08	0.06	0.08	0.10	0.10	0.09	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.06	0.08	0.06	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.09	0.05	0.02	0.03	0.05	0.07	0.07	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.03	0.06	0.07	0.04	0.08	0.10
HWQ14 - Lake Washington	0.13	0.14	0.11	0.07	0.05	0.07	0.09	0.12	0.09	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.10	0.09	0.10	0.12	0.10	0.09	0.08	0.09	0.08
CRMS 0258	0.12	0.11	0.10	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.10
CRMS 0224	0.13	0.13	0.09	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.12
CRMS 0163	0.08	0.08	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.11	0.09	0.07	0.07	0.07	0.07	0.06

V3PR6 HYST - cy 1 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.08	0.08	0.07	0.07	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.08	0.07	0.03	0.02	0.03	0.05	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.07	0.03	0.03	0.02	0.04	0.02	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.09	0.10	0.13	0.05	0.01	0.01	0.02	0.02	0.10	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.06	0.06	0.08	0.10	0.10	0.12	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.04	0.05	0.05	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.13	0.06	0.04	0.05	0.06	0.06	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.08	0.08	0.03	0.02	0.04	0.06	0.05	0.09	0.10
HWQ14 - Lake Washington	0.10	0.10	0.11	0.08	0.08	0.05	0.06	0.08	0.09	0.09	0.12	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.10	0.09	0.09	0.07	0.06	0.06	0.06	0.05	0.05	0.07
CRMS 3985	0.10	0.09	0.10	0.11	0.11	0.08	0.10	0.13	0.12	0.12	0.12	0.09
CRMS 0258	0.09	0.09	0.10	0.11	0.12	0.01	0.01	0.01	0.01	0.01	0.10	0.09
CRMS 0224	0.08	0.08	0.10	0.11	0.13	0.01	0.01	0.01	0.02	0.02	0.09	0.09
CRMS 0163	0.08	0.09	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.08	0.07	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.05	0.12	0.10	0.05	0.03	0.04	0.04	-0.04	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.08	-0.02	0.06	0.12	0.05	0.00	0.00	0.01	0.01	0.01	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.02	0.03	0.07	-0.02	-0.04	-0.02	0.01	0.02	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.05	0.00	0.06	0.11	0.02	-0.02	-0.04	-0.01	0.00	0.01	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.03	0.01	0.06	0.10	0.03	-0.01	-0.02	-0.01	0.00	0.01	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.04	0.01	0.04	0.06	0.02	-0.01	-0.02	0.00	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.02	0.03	-0.01	-0.02	-0.04	0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.03	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.01	0.03	-0.02	-0.03	0.02	0.02	0.03	0.03	0.01
CRMS 0258	-0.04	-0.03	0.00	0.07	0.11	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.05	-0.04	0.01	0.08	0.12	0.01	0.00	-0.01	0.00	0.01	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 62 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.12	0.05	0.01	0.02	0.05	0.06	0.04	0.03	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.04	0.03	0.02	0.02	0.04	0.05	0.05	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.12	0.04	0.01	0.01	0.01	0.03	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.10	0.06	0.04	0.07	0.06	0.08	0.08	0.07	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.04	0.02	0.03	0.06	0.06	0.06	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.03	0.06	0.06	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.04	0.01	0.02	0.04	0.04	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.06	0.07	0.08	0.08	0.07	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.06	0.05	0.06	0.06
CRMS 3985	0.10	0.10	0.10	0.06	0.05	0.07	0.07	0.08	0.09	0.08	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.14	0.12	0.09	0.03	0.00	0.01	0.02	0.02	0.03	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

V3PR6 HYST - cy 1 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.09	0.09	0.05	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.04	0.03	0.02	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.05	0.04	0.02	0.01	0.01	0.02	0.04	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.06	0.08	0.06	0.06	0.02	0.01	0.01	0.02	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.08	0.06	0.05	0.04	0.07	0.09	0.10	0.09	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.06	0.07	0.05	0.06	0.02	0.04	0.04	0.05	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.06	0.04	0.06	0.02	0.04	0.05	0.07	0.06	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.06	0.03	0.03	0.01	0.03	0.04	0.07	0.05	0.08	0.10
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.04	0.04	0.07	0.09	0.10	0.09	0.11	0.12
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.04	0.04	0.04	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.11	0.08	0.09	0.06	0.06	0.07	0.10	0.13	0.12	0.11	0.11	0.09
CRMS 0258	0.13	0.07	0.08	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.12	0.07	0.06	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.06	0.07	0.06	0.08	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.09	-0.06	0.02	0.05	0.05	0.03	0.04	0.05	0.02	-0.03	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.09	-0.04	0.02	0.05	0.01	0.00	-0.01	0.01	0.01	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.05	-0.02	0.00	0.01	-0.02	0.00	0.01	0.02	0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.06	-0.02	0.01	0.04	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.04	-0.02	0.01	0.04	0.00	-0.02	-0.01	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.00	0.02	0.00	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.05	-0.02	-0.01	0.00	-0.01	0.00	0.01	0.02	0.02	0.02	0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.02	0.00	0.00	0.00	0.00	0.04	0.05	0.03	0.03	0.03	0.00
CRMS 0258	-0.02	-0.03	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.02	-0.05	-0.03	0.01	0.01	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00

Figure WQ PO4 63 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.13	0.06	0.01	0.01	0.02	0.02	0.02	0.02	0.10	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.05	0.04	0.02	0.03	0.05	0.05	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.13	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.09	0.06	0.08	0.09	0.10	0.10	0.08	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.12	0.06	0.03	0.04	0.05	0.05	0.06	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.11	0.05	0.02	0.02	0.04	0.04	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.13	0.08	0.06	0.07	0.09	0.10	0.10	0.08	0.10	0.13
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.13	0.14	0.15	0.11	0.10	0.10	0.12	0.14	0.11	0.09	0.11	0.11
CRMS 0258	0.15	0.13	0.12	0.04	0.01	0.01	0.01	0.00	0.01	0.00	0.09	0.14
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
CRMS 0163	0.10	0.10	0.12	0.12	0.10	0.08	0.04	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

V3PR6 HYST - cy 1 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.04	0.05	0.06	0.04	0.05	0.05	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.05	0.05	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.10	0.10	0.11	0.09	0.11	0.09	0.06	0.02	0.03	0.11	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.07	0.07	0.08	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.09	0.07	0.04	0.04	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.11	0.10	0.09	0.10	0.09	0.07	0.05	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.07	0.06	0.06	0.07	0.05	0.04	0.04	0.09	0.13
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.07	0.08	0.07	0.07	0.08	0.12	0.14
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.08	0.07	0.08	0.07	0.07	0.06	0.06	0.06	0.07
CRMS 3985	0.12	0.11	0.13	0.10	0.08	0.09	0.08	0.09	0.09	0.11	0.13	0.12
CRMS 0258	0.11	0.11	0.12	0.11	0.06	0.05	0.04	0.01	0.01	0.01	0.10	0.14
CRMS 0224	0.11	0.10	0.12	0.11	0.07	0.07	0.06	0.01	0.01	0.01	0.09	0.13
CRMS 0163	0.10	0.11	0.12	0.11	0.10	0.07	0.03	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.10	0.09	0.08	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.03	0.05	0.08	0.10	0.07	0.07	0.05	0.05	-0.02	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.00	0.00	0.00	0.01	0.03	0.01	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	-0.03	0.06	0.09	0.10	0.09	0.05	0.01	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.03	0.02	0.03	0.03	0.00	-0.03	-0.03	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.04	-0.01	0.05	0.06	0.07	0.04	0.01	-0.03	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.05	0.07	0.07	0.04	0.01	-0.02	-0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.03	0.04	0.04	0.03	0.01	-0.03	-0.01	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.00	0.01	0.00	-0.01	-0.02	-0.04	-0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.02	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.02	-0.01	-0.01	-0.01	-0.04	-0.05	-0.01	0.02	0.03	0.01
CRMS 0258	-0.04	-0.03	0.00	0.07	0.05	0.04	0.04	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.04	-0.04	0.02	0.07	0.06	0.07	0.05	0.01	-0.01	0.00	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 64 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.04	0.01	0.01	0.02	0.01	0.03	0.02	0.09	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.06	0.06	0.05	0.03	0.05	0.07	0.06	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.04	0.03	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.06	0.04	0.07	0.09	0.10	0.10	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.03	0.05	0.05	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.07	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.05	0.08	0.09	0.10	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.06	0.06	0.07	0.08	0.08	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.08	0.12	0.14	0.11	0.09	0.08	0.09
CRMS 0258	0.14	0.15	0.09	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.13	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.04	0.02	0.06	0.06	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

V3PR6 HYST - cy 1 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.09	0.08	0.07	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.06	0.05	0.07	0.07	0.02	0.05	0.05	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.05	0.03	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.11	0.05	0.08	0.08	0.16	0.12	0.02	0.02	0.02	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.11	0.06	0.08	0.09	0.12	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.16	0.12	0.05	0.04	0.05	0.10	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.06	0.08	0.08	0.15	0.11	0.06	0.05	0.05	0.09	0.06
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.07	0.06	0.06	0.08	0.07	0.04	0.05	0.05	0.09	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.06	0.06	0.08	0.09	0.07	0.07	0.09	0.12	0.09
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.12	0.10	0.10	0.11	0.11	0.13	0.07
CRMS 0258	0.11	0.14	0.07	0.09	0.08	0.11	0.05	0.00	0.01	0.01	0.09	0.07
CRMS 0224	0.10	0.12	0.07	0.09	0.08	0.14	0.07	0.01	0.01	0.01	0.09	0.06
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.15	0.04	0.02	0.07	0.07	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.09	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.06	0.03	0.07	0.15	0.10	0.08	0.05	0.05	-0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.02	0.04	-0.03	-0.02	-0.01	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.06	-0.07	0.04	0.08	0.15	0.11	0.02	0.01	0.02	0.01	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.04	0.03	0.04	0.08	0.02	-0.04	-0.02	0.01	0.03	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.04	0.04	0.07	0.13	0.07	-0.01	-0.03	-0.01	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.03	0.04	0.06	0.12	0.06	0.00	-0.02	-0.01	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.05	0.06	0.04	0.00	-0.03	-0.01	0.02	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.02	0.02	0.03	0.03	0.01	-0.02	-0.03	0.00	0.03	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	-0.01	0.00	0.01	0.01
CRMS 3985	-0.01	0.00	-0.02	0.01	0.01	0.04	-0.02	-0.04	0.00	0.03	0.05	-0.02
CRMS 0258	-0.03	-0.01	-0.02	0.05	0.07	0.11	0.05	0.00	-0.01	-0.01	0.00	-0.03
CRMS 0224	-0.04	-0.01	-0.03	0.06	0.08	0.13	0.06	0.00	-0.01	0.00	0.01	-0.05
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 65 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.05	0.01	0.01	0.02	0.05	0.03	0.02	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.11	0.07	0.06	0.07	0.09	0.12	0.09	0.07	0.10	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.06	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.08	0.04	0.02	0.03	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.08	0.04	0.02	0.02	0.03	0.04	0.07	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.13	0.10	0.06	0.05	0.06	0.08	0.10	0.09	0.07	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.11	0.09	0.08	0.09	0.12	0.13	0.09	0.08	0.10	0.10
CRMS 0258	0.11	0.10	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.14	0.12	0.08	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.06	0.07	0.09	0.11	0.13	0.07	0.02	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

V3PR7 HYST - cy 1 - 1975 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.08	0.10	0.11	0.11	0.09	0.08	0.07	0.06	0.07	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.08	0.07	0.06	0.04	0.03	0.02	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.04	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.07	0.08	0.10	0.12	0.11	0.05	0.01	0.02	0.02	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.07	0.07	0.08	0.10	0.12	0.10	0.07	0.07	0.09	0.09	0.12	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.07	0.07	0.08	0.10	0.12	0.11	0.06	0.03	0.04	0.05	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.07	0.07	0.08	0.10	0.12	0.10	0.07	0.05	0.06	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.09	0.08	0.09	0.08	0.07	0.05	0.04	0.03	0.06	0.05	0.09	0.12
HWQ14 - Lake Washington	0.10	0.09	0.09	0.08	0.08	0.06	0.07	0.07	0.08	0.09	0.11	0.13
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.08	0.09	0.07	0.06	0.06	0.06	0.06	0.06	0.07
CRMS 3985	0.08	0.08	0.09	0.10	0.11	0.08	0.08	0.11	0.11	0.11	0.12	0.10
CRMS 0258	0.07	0.08	0.09	0.10	0.10	0.03	0.01	0.00	0.01	0.01	0.09	0.12
CRMS 0224	0.07	0.07	0.09	0.11	0.12	0.04	0.01	0.01	0.02	0.02	0.09	0.12
CRMS 0163	0.06	0.08	0.09	0.11	0.13	0.07	0.02	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.10	0.09	0.07	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.03	0.06	0.11	0.10	0.07	0.03	0.04	0.03	-0.03	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.01	0.01	0.01	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.09	-0.08	-0.03	0.07	0.11	0.11	0.04	0.00	0.01	0.02	0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.05	-0.03	0.03	0.06	0.03	-0.02	-0.05	0.00	0.02	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.06	-0.05	-0.01	0.06	0.10	0.08	0.01	-0.03	-0.02	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.04	-0.04	0.00	0.06	0.10	0.07	0.02	-0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.04	0.00	0.04	0.06	0.04	0.01	-0.02	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.03	-0.05	-0.01	0.01	0.03	0.00	-0.02	-0.03	-0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.03	-0.02	0.01	0.02	-0.01	-0.03	-0.01	0.02	0.03	0.02	0.00
CRMS 0258	-0.04	-0.03	-0.01	0.07	0.10	0.02	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.07	-0.04	0.01	0.08	0.11	0.04	0.00	0.00	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 66 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.12	0.05	0.01	0.01	0.03	0.06	0.03	0.03	0.10	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.03	0.02	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.12	0.08	0.06	0.08	0.10	0.10	0.09	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.06	0.08	0.06	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.09	0.05	0.02	0.03	0.05	0.07	0.07	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.03	0.06	0.07	0.04	0.08	0.10
HWQ14 - Lake Washington	0.13	0.14	0.11	0.07	0.05	0.07	0.09	0.12	0.09	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.10	0.09	0.10	0.12	0.10	0.09	0.08	0.09	0.08
CRMS 0258	0.12	0.11	0.10	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.10
CRMS 0224	0.13	0.13	0.09	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.12
CRMS 0163	0.08	0.08	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.11	0.09	0.07	0.07	0.07	0.07	0.06

V3PR7 HYST - cy 1 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.08	0.08	0.07	0.07	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.08	0.07	0.03	0.02	0.03	0.05	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.07	0.03	0.03	0.02	0.04	0.02	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.08	0.09	0.10	0.13	0.05	0.01	0.01	0.02	0.02	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.06	0.06	0.09	0.10	0.10	0.12	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.04	0.05	0.05	0.10	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.13	0.06	0.04	0.05	0.06	0.06	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.08	0.08	0.03	0.02	0.03	0.06	0.05	0.09	0.10
HWQ14 - Lake Washington	0.10	0.10	0.11	0.08	0.08	0.05	0.06	0.08	0.09	0.09	0.12	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.10	0.09	0.09	0.07	0.06	0.06	0.06	0.05	0.05	0.07
CRMS 3985	0.10	0.09	0.10	0.11	0.11	0.08	0.10	0.13	0.12	0.12	0.12	0.09
CRMS 0258	0.09	0.09	0.10	0.11	0.11	0.01	0.01	0.01	0.01	0.01	0.10	0.09
CRMS 0224	0.08	0.08	0.10	0.11	0.13	0.01	0.01	0.01	0.02	0.02	0.09	0.09
CRMS 0163	0.08	0.09	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.08	0.07	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.05	0.12	0.10	0.05	0.03	0.04	0.04	-0.03	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.08	-0.02	0.06	0.12	0.05	0.00	0.00	0.01	0.02	0.01	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.02	0.03	0.07	-0.01	-0.04	-0.02	0.01	0.02	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.05	0.00	0.06	0.11	0.02	-0.02	-0.04	-0.01	0.00	0.01	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.03	0.01	0.06	0.10	0.03	-0.01	-0.02	-0.01	0.00	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.04	0.01	0.04	0.06	0.02	-0.01	-0.02	0.00	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.02	0.03	-0.01	-0.02	-0.04	0.00	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.01	0.03	-0.02	-0.03	0.02	0.02	0.03	0.03	0.01
CRMS 0258	-0.04	-0.03	0.00	0.07	0.11	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.05	-0.04	0.01	0.08	0.12	0.01	0.00	-0.01	0.00	0.01	0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 67 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.12	0.05	0.01	0.02	0.05	0.06	0.04	0.03	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.04	0.03	0.02	0.02	0.04	0.05	0.05	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.12	0.04	0.01	0.01	0.01	0.03	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.10	0.06	0.04	0.07	0.06	0.08	0.08	0.07	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.04	0.02	0.03	0.06	0.06	0.06	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.03	0.06	0.06	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.04	0.01	0.02	0.04	0.04	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.06	0.07	0.08	0.08	0.07	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.06	0.05	0.06	0.06
CRMS 3985	0.10	0.10	0.10	0.06	0.05	0.07	0.07	0.08	0.09	0.08	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.14	0.12	0.09	0.03	0.00	0.01	0.02	0.02	0.03	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

V3PR7 HYST - cy 1 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.09	0.09	0.05	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.04	0.03	0.02	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.05	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.06	0.08	0.06	0.06	0.01	0.01	0.01	0.01	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.08	0.05	0.06	0.04	0.07	0.09	0.10	0.09	0.10	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.06	0.07	0.05	0.06	0.02	0.04	0.04	0.05	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.06	0.04	0.06	0.02	0.04	0.05	0.07	0.06	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.06	0.03	0.03	0.01	0.03	0.04	0.07	0.05	0.08	0.10
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.04	0.04	0.07	0.09	0.10	0.09	0.11	0.12
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.04	0.04	0.04	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.11	0.08	0.09	0.06	0.06	0.07	0.11	0.13	0.12	0.11	0.10	0.10
CRMS 0258	0.13	0.07	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.12	0.07	0.06	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.05	0.07	0.06	0.07	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.09	-0.06	0.02	0.05	0.05	0.03	0.04	0.05	0.02	-0.03	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.09	-0.04	0.02	0.05	0.01	0.00	-0.02	0.00	0.01	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.05	-0.02	0.00	0.01	-0.02	0.00	0.01	0.02	0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.06	-0.02	0.01	0.04	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.04	-0.02	0.01	0.04	0.00	-0.02	-0.01	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.00	0.02	0.00	-0.01	0.00	0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.05	-0.01	-0.01	0.00	-0.01	0.00	0.01	0.02	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.02	0.00	0.00	0.00	0.00	0.04	0.05	0.04	0.03	0.03	0.01
CRMS 0258	-0.02	-0.03	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.02	-0.05	-0.02	0.01	0.01	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00

Figure WQ PO4 68 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.13	0.06	0.01	0.01	0.02	0.02	0.02	0.02	0.10	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.05	0.04	0.02	0.03	0.05	0.05	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.13	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.09	0.06	0.08	0.09	0.10	0.10	0.08	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.12	0.06	0.03	0.04	0.05	0.05	0.06	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.11	0.05	0.02	0.02	0.04	0.04	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.13	0.08	0.06	0.07	0.09	0.10	0.10	0.08	0.10	0.13
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.13	0.14	0.15	0.11	0.10	0.10	0.12	0.14	0.11	0.09	0.11	0.11
CRMS 0258	0.15	0.13	0.12	0.04	0.01	0.01	0.01	0.00	0.01	0.00	0.09	0.14
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
CRMS 0163	0.10	0.10	0.12	0.12	0.10	0.08	0.04	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

V3PR7 HYST - cy 1 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.04	0.05	0.06	0.04	0.05	0.05	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.05	0.05	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.10	0.10	0.11	0.09	0.11	0.09	0.06	0.01	0.03	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.07	0.07	0.08	0.13	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.09	0.07	0.03	0.04	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.11	0.10	0.09	0.10	0.09	0.07	0.05	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.07	0.06	0.06	0.07	0.05	0.04	0.04	0.09	0.13
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.07	0.08	0.07	0.06	0.07	0.12	0.14
HWQ16 - Bayou Grand Liard	0.10	0.10	0.11	0.08	0.07	0.08	0.07	0.07	0.06	0.06	0.06	0.07
CRMS 3985	0.12	0.11	0.13	0.10	0.08	0.09	0.08	0.09	0.09	0.11	0.14	0.12
CRMS 0258	0.11	0.11	0.12	0.11	0.06	0.04	0.04	0.01	0.01	0.01	0.10	0.14
CRMS 0224	0.11	0.10	0.12	0.11	0.07	0.07	0.06	0.01	0.01	0.01	0.09	0.13
CRMS 0163	0.10	0.11	0.12	0.11	0.10	0.07	0.03	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.10	0.09	0.08	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.03	0.05	0.08	0.10	0.07	0.07	0.05	0.05	-0.02	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.00	0.00	0.00	0.01	0.03	0.01	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	-0.03	0.06	0.09	0.10	0.09	0.05	0.01	0.02	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.03	0.02	0.03	0.02	0.00	-0.03	-0.03	0.00	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.04	-0.01	0.05	0.06	0.07	0.04	0.01	-0.03	-0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.05	0.07	0.07	0.04	0.01	-0.02	-0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.03	0.04	0.04	0.03	0.01	-0.03	-0.01	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.00	0.01	0.00	-0.01	-0.02	-0.04	-0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.02	0.01	0.02	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.02	-0.01	-0.01	-0.01	-0.04	-0.05	-0.01	0.02	0.03	0.01
CRMS 0258	-0.04	-0.03	0.00	0.07	0.05	0.04	0.04	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.04	-0.04	0.02	0.07	0.06	0.06	0.05	0.01	0.00	0.00	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 69 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.04	0.01	0.01	0.02	0.01	0.03	0.02	0.09	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.06	0.06	0.05	0.03	0.05	0.07	0.06	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.04	0.03	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.06	0.04	0.07	0.09	0.10	0.10	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.03	0.05	0.05	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.07	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.05	0.08	0.09	0.10	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.06	0.06	0.07	0.08	0.08	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.08	0.12	0.14	0.11	0.09	0.08	0.09
CRMS 0258	0.14	0.15	0.09	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.13	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.04	0.02	0.06	0.06	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

V3PR7 HYST - cy 1 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.09	0.08	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.06	0.05	0.07	0.06	0.02	0.05	0.05	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.05	0.03	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.11	0.05	0.08	0.08	0.16	0.12	0.02	0.02	0.02	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.11	0.06	0.08	0.09	0.12	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.16	0.12	0.04	0.04	0.05	0.10	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.06	0.08	0.08	0.15	0.11	0.06	0.05	0.05	0.09	0.06
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.07	0.06	0.06	0.08	0.07	0.04	0.04	0.05	0.09	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.06	0.07	0.08	0.09	0.07	0.07	0.09	0.12	0.09
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.07	0.06	0.06	0.05	0.06
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.12	0.10	0.10	0.11	0.12	0.13	0.07
CRMS 0258	0.11	0.14	0.07	0.09	0.08	0.11	0.05	0.00	0.01	0.00	0.09	0.07
CRMS 0224	0.10	0.12	0.07	0.09	0.08	0.14	0.07	0.01	0.01	0.01	0.09	0.06
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.15	0.04	0.02	0.07	0.07	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.09	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.06	0.03	0.07	0.15	0.10	0.08	0.05	0.05	-0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.02	0.04	-0.03	-0.02	-0.01	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.07	0.05	0.08	0.15	0.11	0.02	0.01	0.02	0.01	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.04	0.03	0.04	0.08	0.02	-0.04	-0.02	0.01	0.03	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.04	0.04	0.07	0.13	0.07	-0.01	-0.03	-0.01	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.03	0.04	0.06	0.12	0.06	0.00	-0.02	-0.01	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.05	0.06	0.04	0.00	-0.03	-0.01	0.02	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.02	0.02	0.03	0.03	0.01	-0.03	-0.03	0.00	0.03	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	-0.01	0.00	0.01	0.01
CRMS 3985	-0.01	0.00	-0.02	0.01	0.01	0.04	-0.02	-0.04	0.00	0.03	0.05	-0.02
CRMS 0258	-0.03	-0.01	-0.02	0.05	0.07	0.10	0.04	0.00	-0.01	-0.01	0.00	-0.03
CRMS 0224	-0.04	-0.01	-0.03	0.06	0.08	0.13	0.06	0.00	-0.01	0.00	0.01	-0.05
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 70 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.05	0.01	0.01	0.02	0.05	0.03	0.02	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.11	0.07	0.06	0.07	0.09	0.12	0.09	0.07	0.10	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.06	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.08	0.04	0.02	0.03	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.08	0.04	0.02	0.02	0.03	0.04	0.07	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.13	0.10	0.06	0.05	0.06	0.08	0.10	0.09	0.07	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.11	0.09	0.08	0.09	0.12	0.13	0.09	0.08	0.10	0.10
CRMS 0258	0.11	0.10	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.14	0.12	0.08	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.06	0.07	0.09	0.11	0.13	0.07	0.02	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

V3PR8 HYST - cy 1 - 1975 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.08	0.10	0.11	0.11	0.09	0.08	0.07	0.06	0.07	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.08	0.07	0.06	0.04	0.03	0.03	0.07	0.06	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.07	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.07	0.08	0.10	0.12	0.11	0.05	0.01	0.02	0.02	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.07	0.07	0.08	0.10	0.12	0.10	0.07	0.07	0.09	0.09	0.12	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.07	0.07	0.08	0.10	0.12	0.11	0.06	0.03	0.04	0.05	0.09	0.11
USGS 07380335 - Little Lake Near Cutoff	0.07	0.07	0.08	0.10	0.12	0.10	0.07	0.05	0.06	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.09	0.08	0.09	0.08	0.07	0.05	0.04	0.02	0.06	0.05	0.09	0.11
HWQ14 - Lake Washington	0.10	0.09	0.09	0.08	0.08	0.06	0.07	0.07	0.09	0.09	0.12	0.13
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.08	0.09	0.07	0.06	0.06	0.07	0.06	0.05	0.07
CRMS 3985	0.09	0.08	0.09	0.10	0.11	0.08	0.08	0.12	0.11	0.11	0.12	0.11
CRMS 0258	0.07	0.08	0.09	0.11	0.11	0.03	0.01	0.00	0.01	0.01	0.10	0.12
CRMS 0224	0.07	0.07	0.09	0.11	0.12	0.04	0.01	0.01	0.02	0.02	0.09	0.12
CRMS 0163	0.07	0.08	0.09	0.11	0.12	0.06	0.01	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.10	0.09	0.07	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.03	0.06	0.11	0.10	0.07	0.03	0.04	0.04	-0.03	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	0.00	0.01	0.01	0.00	0.02	0.01	-0.03	0.00
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	-0.02	-0.06	-0.06	-0.04	-0.03	-0.01	-0.02	-0.03	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.09	-0.08	-0.03	0.07	0.11	0.11	0.04	0.00	0.01	0.02	0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.05	-0.03	0.03	0.06	0.02	-0.02	-0.05	0.00	0.02	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.06	-0.05	-0.01	0.06	0.10	0.08	0.01	-0.03	-0.02	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.04	-0.04	0.00	0.06	0.10	0.07	0.02	-0.01	-0.01	0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.04	0.00	0.04	0.06	0.04	0.01	-0.02	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.03	-0.05	-0.01	0.02	0.03	0.00	-0.02	-0.03	-0.01	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 3985	-0.02	-0.03	-0.02	0.01	0.02	-0.01	-0.03	-0.01	0.02	0.03	0.02	0.01
CRMS 0258	-0.04	-0.03	-0.01	0.07	0.10	0.02	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.07	-0.04	0.01	0.08	0.11	0.04	0.00	0.00	0.00	0.02	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 71 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.12	0.05	0.01	0.01	0.03	0.06	0.03	0.03	0.10	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.03	0.02	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.12	0.08	0.06	0.08	0.10	0.10	0.09	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.06	0.08	0.06	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.09	0.05	0.02	0.03	0.05	0.07	0.07	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.03	0.06	0.07	0.04	0.08	0.10
HWQ14 - Lake Washington	0.13	0.14	0.11	0.07	0.05	0.07	0.09	0.12	0.09	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.10	0.09	0.10	0.12	0.10	0.09	0.08	0.09	0.08
CRMS 0258	0.12	0.11	0.10	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.10
CRMS 0224	0.13	0.13	0.09	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.12
CRMS 0163	0.08	0.08	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.11	0.09	0.07	0.07	0.07	0.07	0.06

V3PR8 HYST - cy 1 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.08	0.08	0.07	0.07	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.07	0.06	0.02	0.02	0.03	0.07	0.04	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.08	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.06	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.09	0.10	0.13	0.05	0.01	0.01	0.02	0.02	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.06	0.06	0.09	0.10	0.10	0.12	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.04	0.05	0.05	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.13	0.06	0.04	0.05	0.07	0.06	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.08	0.08	0.03	0.02	0.04	0.07	0.05	0.09	0.10
HWQ14 - Lake Washington	0.11	0.10	0.11	0.08	0.08	0.05	0.07	0.09	0.09	0.10	0.12	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.10	0.09	0.09	0.07	0.06	0.06	0.07	0.04	0.05	0.06
CRMS 3985	0.10	0.09	0.10	0.11	0.11	0.08	0.10	0.13	0.12	0.12	0.12	0.08
CRMS 0258	0.09	0.09	0.10	0.11	0.11	0.01	0.01	0.00	0.01	0.01	0.11	0.09
CRMS 0224	0.09	0.08	0.10	0.11	0.13	0.01	0.01	0.01	0.02	0.03	0.09	0.09
CRMS 0163	0.08	0.09	0.10	0.11	0.14	0.05	0.01	0.01	0.05	0.04	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.08	0.07	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.05	0.12	0.10	0.05	0.03	0.04	0.04	-0.03	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.02	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.02	-0.07	-0.07	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.08	-0.02	0.06	0.12	0.05	0.00	0.00	0.01	0.02	0.01	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.03	0.07	-0.01	-0.04	-0.02	0.01	0.02	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.05	0.00	0.06	0.11	0.02	-0.03	-0.04	-0.01	0.00	0.01	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.03	0.01	0.06	0.10	0.03	-0.01	-0.02	0.00	0.01	0.01	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.01	0.04	0.06	0.01	-0.01	-0.02	0.00	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.02	0.03	-0.01	-0.02	-0.03	0.01	0.02	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.02	0.01	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 3985	-0.01	-0.03	-0.02	0.01	0.03	-0.02	-0.03	0.02	0.02	0.03	0.03	0.00
CRMS 0258	-0.04	-0.03	0.00	0.07	0.11	0.00	0.00	0.00	0.00	0.01	0.02	-0.01
CRMS 0224	-0.05	-0.04	0.01	0.08	0.12	0.01	0.00	-0.01	0.01	0.02	0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 72 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.12	0.05	0.01	0.02	0.05	0.06	0.04	0.03	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.04	0.03	0.02	0.02	0.04	0.05	0.05	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.12	0.04	0.01	0.01	0.01	0.03	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.10	0.06	0.04	0.07	0.06	0.08	0.08	0.07	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.04	0.02	0.03	0.06	0.06	0.06	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.03	0.06	0.06	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.04	0.01	0.02	0.04	0.04	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.06	0.07	0.08	0.08	0.07	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.06	0.05	0.06	0.06
CRMS 3985	0.10	0.10	0.10	0.06	0.05	0.07	0.07	0.08	0.09	0.08	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.14	0.12	0.09	0.03	0.00	0.01	0.02	0.02	0.03	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

V3PR8 HYST - cy 1 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.09	0.09	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.05	0.03	0.02	0.02	0.03	0.05	0.04	0.03	0.07
Barataria Waterway at Lafitte (USACE82875)	0.09	0.06	0.05	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.06	0.08	0.06	0.06	0.01	0.01	0.01	0.01	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.08	0.05	0.06	0.04	0.07	0.09	0.11	0.09	0.10	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.06	0.07	0.05	0.06	0.02	0.04	0.05	0.05	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.06	0.05	0.06	0.02	0.04	0.05	0.06	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.06	0.03	0.03	0.01	0.03	0.04	0.07	0.06	0.08	0.10
HWQ14 - Lake Washington	0.13	0.08	0.09	0.04	0.05	0.04	0.08	0.10	0.11	0.10	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.02	0.05	0.04	0.04	0.06
CRMS 3985	0.10	0.08	0.10	0.06	0.06	0.07	0.11	0.14	0.13	0.11	0.10	0.10
CRMS 0258	0.13	0.07	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.12	0.07	0.06	0.04	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.07	0.07	0.05	0.02	0.01	0.01	0.05	0.05	0.06	0.07
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.09	-0.06	0.02	0.06	0.05	0.03	0.04	0.05	0.02	-0.03	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.04	0.00
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	-0.01	-0.03	-0.03	-0.01	0.00	0.00	0.00	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.09	-0.04	0.02	0.05	0.01	0.00	-0.02	0.00	0.01	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.05	-0.02	0.00	0.01	-0.02	0.01	0.01	0.03	0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.06	-0.02	0.01	0.04	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.04	-0.02	0.01	0.04	-0.01	-0.02	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.00	0.02	0.00	-0.01	0.00	0.01	0.01	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.05	-0.01	-0.01	0.01	-0.01	0.00	0.02	0.03	0.03	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.02	-0.01	0.00
CRMS 3985	0.00	-0.02	0.00	0.00	0.00	0.00	0.04	0.05	0.04	0.03	0.02	0.01
CRMS 0258	-0.01	-0.03	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.02	-0.05	-0.02	0.01	0.01	0.00	-0.01	-0.02	0.00	0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00

Figure WQ PO4 73 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.13	0.06	0.01	0.01	0.02	0.02	0.02	0.02	0.10	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.05	0.04	0.02	0.03	0.05	0.05	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.13	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.09	0.06	0.08	0.09	0.10	0.10	0.08	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.12	0.06	0.03	0.04	0.05	0.05	0.06	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.11	0.05	0.02	0.02	0.04	0.04	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.13	0.08	0.06	0.07	0.09	0.10	0.10	0.08	0.10	0.13
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.13	0.14	0.15	0.11	0.10	0.10	0.12	0.14	0.11	0.09	0.11	0.11
CRMS 0258	0.15	0.13	0.12	0.04	0.01	0.01	0.01	0.00	0.01	0.00	0.09	0.14
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
CRMS 0163	0.10	0.10	0.12	0.12	0.10	0.08	0.04	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

V3PR8 HYST - cy 1 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.06	0.04	0.05	0.06	0.04	0.06	0.06	0.04	0.04
Barataria Waterway at Lafitte (USACE82875)	0.10	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.03	0.01	0.05	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.10	0.10	0.11	0.09	0.11	0.09	0.06	0.01	0.03	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.07	0.07	0.09	0.12	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.09	0.07	0.03	0.04	0.10	0.12
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.11	0.10	0.09	0.10	0.09	0.07	0.05	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.07	0.06	0.06	0.06	0.05	0.04	0.04	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.07	0.08	0.07	0.07	0.08	0.12	0.13
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.08	0.07	0.08	0.07	0.07	0.06	0.06	0.05	0.06
CRMS 3985	0.11	0.11	0.12	0.10	0.08	0.09	0.08	0.09	0.09	0.11	0.12	0.09
CRMS 0258	0.11	0.11	0.12	0.11	0.06	0.05	0.04	0.01	0.01	0.01	0.10	0.14
CRMS 0224	0.11	0.10	0.12	0.11	0.07	0.07	0.06	0.01	0.01	0.01	0.09	0.13
CRMS 0163	0.10	0.11	0.12	0.11	0.09	0.07	0.03	0.02	0.07	0.06	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.10	0.09	0.08	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.03	0.05	0.08	0.10	0.07	0.07	0.05	0.05	-0.02	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.00	-0.01	0.00	0.01	0.03	0.02	0.01	0.01	-0.02	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.03	-0.07	-0.05	-0.05	-0.05	-0.03	-0.02	-0.03	-0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	-0.03	0.06	0.09	0.10	0.09	0.05	0.01	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.03	0.02	0.03	0.02	0.00	-0.03	-0.03	0.01	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.04	-0.01	0.05	0.06	0.07	0.04	0.01	-0.03	-0.01	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.05	0.07	0.07	0.04	0.01	-0.01	-0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.03	0.04	0.04	0.03	0.01	-0.03	-0.01	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.00	0.01	0.00	-0.01	-0.02	-0.03	0.00	0.02	0.00
HWQ16 - Bayou Grand Liard	0.01	0.01	0.02	0.01	0.01	0.01	0.01	0.00	0.00	0.00	-0.01	0.00
CRMS 3985	-0.01	-0.03	-0.02	-0.01	-0.01	-0.01	-0.04	-0.05	-0.01	0.02	0.01	-0.02
CRMS 0258	-0.04	-0.03	0.00	0.07	0.05	0.04	0.04	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.04	-0.04	0.02	0.07	0.06	0.07	0.05	0.01	0.00	0.00	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.01	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 74 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.04	0.01	0.01	0.02	0.01	0.03	0.02	0.09	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.06	0.06	0.05	0.03	0.05	0.07	0.06	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.04	0.03	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.06	0.04	0.07	0.09	0.10	0.10	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.03	0.05	0.05	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.07	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.05	0.08	0.09	0.10	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.06	0.06	0.07	0.08	0.08	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.08	0.12	0.14	0.11	0.09	0.08	0.09
CRMS 0258	0.14	0.15	0.09	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.13	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.04	0.02	0.06	0.06	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

V3PR8 HYST - cy 1 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.09	0.08	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.05	0.06	0.05	0.07	0.06	0.03	0.06	0.05	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.06	0.04	0.03	0.02	0.01	0.01	0.02	0.01	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.11	0.05	0.08	0.08	0.16	0.12	0.02	0.02	0.02	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.11	0.06	0.08	0.09	0.12	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.16	0.12	0.04	0.04	0.05	0.09	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.06	0.08	0.08	0.15	0.11	0.06	0.06	0.05	0.08	0.06
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.07	0.06	0.06	0.08	0.07	0.04	0.05	0.05	0.09	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.06	0.07	0.09	0.09	0.07	0.07	0.09	0.12	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.07	0.07	0.05	0.05	0.06
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.12	0.10	0.10	0.11	0.12	0.12	0.07
CRMS 0258	0.11	0.14	0.07	0.09	0.08	0.11	0.05	0.00	0.01	0.01	0.10	0.07
CRMS 0224	0.10	0.12	0.07	0.09	0.08	0.14	0.07	0.01	0.01	0.02	0.09	0.06
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.15	0.03	0.02	0.06	0.05	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.09	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.06	0.03	0.07	0.15	0.10	0.08	0.05	0.05	-0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	-0.01	0.00	-0.01	0.01	0.04	-0.03	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.04	-0.04	-0.07	-0.05	-0.03	-0.02	-0.02	-0.01	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.07	0.05	0.08	0.15	0.11	0.02	0.01	0.02	0.01	-0.07
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.04	0.03	0.04	0.08	0.02	-0.04	-0.02	0.02	0.03	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.04	0.04	0.07	0.13	0.07	-0.01	-0.03	-0.01	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.03	0.04	0.06	0.12	0.06	0.00	-0.02	-0.01	0.01	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.05	0.06	0.04	0.00	-0.03	-0.01	0.02	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.02	0.02	0.03	0.03	0.01	-0.02	-0.03	0.01	0.03	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	-0.01	-0.01	0.00	0.01
CRMS 3985	-0.01	0.00	-0.02	0.01	0.01	0.04	-0.02	-0.04	0.00	0.03	0.04	-0.02
CRMS 0258	-0.03	-0.01	-0.02	0.05	0.07	0.10	0.04	0.00	-0.01	-0.01	0.01	-0.03
CRMS 0224	-0.04	-0.01	-0.03	0.06	0.08	0.13	0.06	0.00	-0.01	0.01	0.02	-0.05
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00

Figure WQ PO4 75 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.05	0.01	0.01	0.02	0.05	0.03	0.02	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.08	0.10	0.07	0.05	0.04	0.02	0.04	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.11	0.07	0.06	0.07	0.09	0.12	0.09	0.07	0.10	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.06	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.08	0.04	0.02	0.03	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.08	0.04	0.02	0.02	0.03	0.04	0.07	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.13	0.10	0.06	0.05	0.06	0.08	0.10	0.09	0.07	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.11	0.09	0.08	0.09	0.12	0.13	0.09	0.08	0.10	0.10
CRMS 0258	0.11	0.10	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.14	0.12	0.08	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.06	0.07	0.09	0.11	0.13	0.07	0.02	0.01	0.05	0.06	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

V3PR9 HYST - cy 1 - 1975 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.05	0.01	0.01	0.02	0.05	0.04	0.03	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.07	0.04	0.03	0.02	0.04	0.07	0.06	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.07	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.11	0.07	0.06	0.08	0.09	0.12	0.09	0.07	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.08	0.05	0.02	0.03	0.05	0.06	0.08	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.03	0.05	0.08	0.05	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.07	0.05	0.07	0.09	0.11	0.10	0.08	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.05	0.07	0.06	0.05	0.06
CRMS 3985	0.10	0.11	0.10	0.09	0.08	0.10	0.12	0.13	0.10	0.08	0.09	0.10
CRMS 0258	0.11	0.11	0.10	0.04	0.01	0.01	0.00	0.01	0.01	0.01	0.09	0.11
CRMS 0224	0.14	0.12	0.09	0.03	0.00	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.07	0.08	0.09	0.11	0.13	0.06	0.01	0.01	0.05	0.05	0.07	0.07
CRMS 0162	0.06	0.07	0.08	0.11	0.13	0.11	0.10	0.08	0.07	0.07	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.01	0.02	0.01	-0.03	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.01	-0.05	-0.06	-0.04	-0.03	-0.01	-0.02	-0.03	-0.01	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	-0.01	-0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.01	-0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 3985	0.00	0.00	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00	-0.01	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 76 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.12	0.05	0.01	0.01	0.03	0.06	0.03	0.03	0.10	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.08	0.06	0.03	0.02	0.03	0.05	0.05	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.10	0.08	0.03	0.03	0.02	0.03	0.02	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.12	0.08	0.06	0.08	0.10	0.10	0.09	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.06	0.08	0.06	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.09	0.05	0.02	0.03	0.05	0.07	0.07	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.03	0.06	0.07	0.04	0.08	0.10
HWQ14 - Lake Washington	0.13	0.14	0.11	0.07	0.05	0.07	0.09	0.12	0.09	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.10	0.09	0.10	0.12	0.10	0.09	0.08	0.09	0.08
CRMS 0258	0.12	0.11	0.10	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.10
CRMS 0224	0.13	0.13	0.09	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.12
CRMS 0163	0.08	0.08	0.10	0.12	0.14	0.06	0.01	0.01	0.05	0.05	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.11	0.09	0.07	0.07	0.07	0.07	0.06

V3PR9 HYST - cy 1 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.12	0.06	0.01	0.01	0.03	0.06	0.03	0.03	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.07	0.05	0.03	0.02	0.04	0.07	0.04	0.03	0.06
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.08	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.05	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.12	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.09	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.12	0.08	0.06	0.08	0.10	0.10	0.08	0.07	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.05	0.02	0.03	0.05	0.08	0.06	0.05	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.09	0.05	0.02	0.03	0.05	0.08	0.08	0.05	0.06	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.03	0.06	0.07	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.14	0.11	0.07	0.05	0.07	0.10	0.12	0.08	0.07	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.07	0.07	0.06	0.06	0.06	0.07	0.04	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.10	0.09	0.10	0.13	0.10	0.09	0.08	0.09	0.09
CRMS 0258	0.13	0.12	0.11	0.05	0.01	0.00	0.00	0.01	0.01	0.01	0.09	0.09
CRMS 0224	0.14	0.13	0.09	0.03	0.00	0.01	0.01	0.02	0.02	0.01	0.07	0.12
CRMS 0163	0.08	0.09	0.10	0.11	0.14	0.05	0.01	0.01	0.05	0.04	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.07	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.02	0.00	0.01	0.01	0.02	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	-0.02	-0.06	-0.07	-0.02	-0.02	-0.02	-0.01	-0.01	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00	-0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.01
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 77 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.12	0.05	0.01	0.02	0.05	0.06	0.04	0.03	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.04	0.03	0.02	0.02	0.04	0.05	0.05	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.12	0.04	0.01	0.01	0.01	0.03	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.10	0.06	0.04	0.07	0.06	0.08	0.08	0.07	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.09	0.04	0.02	0.03	0.06	0.06	0.06	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.03	0.06	0.06	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.04	0.01	0.02	0.04	0.04	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.06	0.07	0.08	0.08	0.07	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.04	0.04	0.03	0.06	0.05	0.06	0.06
CRMS 3985	0.10	0.10	0.10	0.06	0.05	0.07	0.07	0.08	0.09	0.08	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.14	0.12	0.09	0.03	0.00	0.01	0.02	0.02	0.03	0.01	0.07	0.10
CRMS 0163	0.07	0.06	0.07	0.07	0.06	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

V3PR9 HYST - cy 1 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.12	0.05	0.01	0.02	0.04	0.05	0.04	0.04	0.09	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.03	0.03	0.03	0.04	0.06	0.04	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.09	0.06	0.05	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.05	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.12	0.05	0.01	0.01	0.02	0.03	0.01	0.02	0.09	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.11	0.06	0.04	0.06	0.07	0.08	0.08	0.07	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.10	0.04	0.02	0.03	0.06	0.06	0.06	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.09	0.04	0.02	0.03	0.06	0.06	0.07	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.09	0.04	0.01	0.01	0.04	0.04	0.06	0.05	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.05	0.08	0.08	0.08	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.05	0.03	0.05	0.04	0.05	0.06
CRMS 3985	0.10	0.09	0.10	0.06	0.06	0.07	0.07	0.09	0.09	0.08	0.08	0.09
CRMS 0258	0.15	0.10	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.03	0.08	0.10
CRMS 0224	0.14	0.12	0.09	0.03	0.00	0.01	0.02	0.03	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.07	0.07	0.05	0.02	0.01	0.01	0.04	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.07	0.06	0.08	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	-0.01	-0.03	0.00
Barataria Waterway at Lafitte (USACE82875)	0.02	0.01	-0.01	-0.03	-0.03	-0.01	0.00	0.00	0.00	-0.02	0.00	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01
CRMS 0258	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	0.00
CRMS 0224	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
CRMS 0163	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 78 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.13	0.06	0.01	0.01	0.02	0.02	0.02	0.02	0.10	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.05	0.04	0.02	0.03	0.05	0.05	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.12	0.09	0.05	0.06	0.06	0.04	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.16	0.13	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.14	0.09	0.06	0.08	0.09	0.10	0.10	0.08	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.12	0.06	0.03	0.04	0.05	0.05	0.06	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.11	0.05	0.02	0.02	0.04	0.04	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.13	0.08	0.06	0.07	0.09	0.10	0.10	0.08	0.10	0.13
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.13	0.14	0.15	0.11	0.10	0.10	0.12	0.14	0.11	0.09	0.11	0.11
CRMS 0258	0.15	0.13	0.12	0.04	0.01	0.01	0.01	0.00	0.01	0.00	0.09	0.14
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
CRMS 0163	0.10	0.10	0.12	0.12	0.10	0.08	0.04	0.02	0.07	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.08	0.08	0.08	0.07

V3PR9 HYST - cy 1 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.13	0.06	0.01	0.01	0.02	0.01	0.02	0.02	0.10	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.10	0.06	0.04	0.03	0.03	0.03	0.06	0.06	0.04	0.04
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.09	0.03	0.01	0.01	0.01	0.01	0.03	0.01	0.05	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.13	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.14	0.09	0.06	0.08	0.08	0.07	0.08	0.08	0.10	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.15	0.11	0.05	0.02	0.04	0.07	0.05	0.05	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.13	0.10	0.05	0.02	0.04	0.07	0.06	0.06	0.05	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.14	0.10	0.05	0.02	0.02	0.06	0.04	0.06	0.04	0.08	0.10
HWQ14 - Lake Washington	0.13	0.15	0.12	0.08	0.06	0.08	0.09	0.08	0.09	0.08	0.10	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.06	0.07	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.12	0.13	0.14	0.10	0.09	0.10	0.09	0.10	0.09	0.09	0.09	0.07
CRMS 0258	0.14	0.13	0.12	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.09	0.12
CRMS 0224	0.15	0.14	0.10	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS 0163	0.10	0.11	0.12	0.11	0.09	0.07	0.03	0.02	0.06	0.06	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.09	0.08	0.08	0.07	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.01	0.01	0.01	0.01	-0.02	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	-0.03	-0.06	-0.05	-0.05	-0.05	-0.03	-0.02	-0.03	-0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.03	-0.01	0.00	-0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	-0.01	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	-0.01	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00	-0.01	0.00	0.00	-0.02
HWQ14 - Lake Washington	-0.01	0.00	0.00	0.00	0.00	0.01	0.00	-0.02	-0.01	0.00	-0.01	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 3985	-0.01	0.00	-0.01	0.00	0.00	0.00	-0.03	-0.04	-0.01	0.00	-0.02	-0.04
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS 0224	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 79 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.04	0.01	0.01	0.02	0.01	0.03	0.02	0.09	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.06	0.06	0.05	0.03	0.05	0.07	0.06	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.08	0.06	0.04	0.04	0.03	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.06	0.04	0.07	0.09	0.10	0.10	0.08	0.10	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.03	0.05	0.05	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.07	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.05	0.08	0.09	0.10	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.06	0.06	0.07	0.08	0.08	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.08	0.12	0.14	0.11	0.09	0.08	0.09
CRMS 0258	0.14	0.15	0.09	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.13	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.04	0.02	0.06	0.06	0.08	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

V3PR9 HYST - cy 1 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.04	0.01	0.01	0.02	0.01	0.03	0.02	0.09	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.05	0.06	0.05	0.04	0.02	0.03	0.07	0.05	0.03	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.06	0.04	0.03	0.02	0.01	0.01	0.02	0.01	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.04	0.01	0.01	0.01	0.00	0.01	0.01	0.09	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.06	0.04	0.07	0.09	0.10	0.10	0.08	0.10	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.03	0.05	0.05	0.06	0.06	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.07	0.05	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.04	0.06	0.09	0.10	0.11	0.09	0.10	0.12
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.06	0.06	0.08	0.08	0.08	0.07	0.05	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.07	0.07	0.09	0.12	0.14	0.11	0.09	0.09	0.09
CRMS 0258	0.14	0.15	0.08	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.13	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS 0163	0.08	0.07	0.06	0.09	0.09	0.15	0.03	0.02	0.06	0.05	0.07	0.06
CRMS 0162	0.07	0.07	0.06	0.08	0.09	0.16	0.12	0.09	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.02	-0.01	-0.01	-0.01	0.00	-0.02	0.00	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.02	0.00	-0.04	-0.04	-0.07	-0.05	-0.03	-0.02	-0.02	-0.02	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0258	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 80 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.15	0.11	0.04	0.01	0.01	0.01	0.04	0.02	0.01	0.07	0.08
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.07	0.04	0.03	0.04	0.07	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.04	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.15	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.12	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.11	0.13	0.09	0.04	0.01	0.01	0.03	0.05	0.06	0.04	0.07	0.08
HWQ14 - Lake Washington	0.13	0.15	0.11	0.05	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.10
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.03	0.07	0.05	0.06	0.06
CRMS 3985	0.12	0.13	0.12	0.09	0.08	0.08	0.11	0.10	0.08	0.07	0.07	0.09
CRMS 0258	0.12	0.12	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.07	0.09
CRMS 0224	0.12	0.13	0.09	0.04	0.01	0.01	0.01	0.01	0.03	0.01	0.07	0.09
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.06	0.07	0.05	0.06	0.07

V3PR2 HYST - cy 2 - 1985 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.08	0.09	0.11	0.10	0.09	0.09	0.08	0.07	0.06	0.05	0.07
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.06	0.04	0.03	0.04	0.06	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.05	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.10	0.09	0.12	0.11	0.05	0.03	0.01	0.01	0.02	0.06	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.11	0.10	0.11	0.08	0.05	0.05	0.07	0.07	0.06	0.07	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.10	0.09	0.10	0.07	0.04	0.04	0.04	0.05	0.04	0.07	0.07
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.09	0.07	0.04	0.05	0.05	0.06	0.05	0.07	0.07
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.10	0.06	0.05	0.02	0.03	0.03	0.06	0.04	0.07	0.07
HWQ14 - Lake Washington	0.11	0.12	0.11	0.07	0.06	0.05	0.07	0.07	0.08	0.07	0.09	0.08
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.04	0.07	0.06	0.06	0.06
CRMS 3985	0.11	0.12	0.11	0.09	0.08	0.06	0.09	0.11	0.09	0.09	0.09	0.09
CRMS 0258	0.10	0.11	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.08
CRMS 0224	0.10	0.11	0.10	0.07	0.02	0.01	0.01	0.01	0.03	0.02	0.06	0.08
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.06	0.07	0.06	0.06	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.07	0.10	0.09	0.08	0.04	0.06	0.05	-0.02	-0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.06	-0.02	0.09	0.10	0.05	0.02	0.00	0.00	0.02	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.03	-0.02	0.04	0.03	-0.01	-0.03	-0.02	0.00	0.01	-0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	-0.01	0.05	0.05	0.01	-0.01	-0.03	0.00	0.00	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.03	0.04	0.01	0.00	-0.01	0.00	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.00	0.02	0.03	0.01	0.01	-0.02	0.00	0.01	0.00	-0.01
HWQ14 - Lake Washington	-0.02	-0.02	0.00	0.02	0.02	0.00	-0.01	-0.03	0.01	0.01	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	0.00	-0.01	0.01	0.00	-0.02	-0.02	0.02	0.01	0.01	0.02	-0.01
CRMS 0258	-0.02	-0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.03	-0.03	0.01	0.04	0.01	0.00	0.00	-0.01	0.00	0.01	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 81 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.04	0.01	0.01	0.02	0.04	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.04	0.04	0.06	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.04	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.04	0.06	0.10
HWQ14 - Lake Washington	0.12	0.13	0.11	0.06	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.07	0.07	0.06	0.05	0.07	0.05	0.04	0.06
CRMS 3985	0.10	0.12	0.12	0.09	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.09
CRMS 0258	0.13	0.11	0.10	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.12	0.09	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.06	0.07	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.06	0.03	0.07	0.06

V3PR2 HYST - cy 2 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.07	0.05	0.03	0.04	0.06	0.06	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.05	0.04	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.10	0.11	0.13	0.05	0.02	0.01	0.01	0.02	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.09	0.10	0.10	0.10	0.05	0.05	0.07	0.07	0.07	0.10	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.10	0.10	0.10	0.04	0.03	0.04	0.05	0.04	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.08	0.08	0.05	0.04	0.06	0.07	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.09	0.10	0.10	0.06	0.05	0.03	0.03	0.04	0.06	0.04	0.08	0.10
HWQ14 - Lake Washington	0.11	0.11	0.11	0.07	0.06	0.05	0.07	0.08	0.08	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.07	0.07	0.06	0.05	0.07	0.05	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.08	0.07	0.09	0.11	0.09	0.09	0.10	0.09
CRMS 0258	0.10	0.10	0.11	0.06	0.02	0.00	0.01	0.00	0.01	0.01	0.09	0.10
CRMS 0224	0.10	0.09	0.11	0.07	0.03	0.01	0.01	0.01	0.03	0.02	0.09	0.10
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.08	0.02	0.02	0.07	0.07	0.07	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.07	0.05	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.01	0.06	0.12	0.11	0.07	0.05	0.06	0.06	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	0.00	0.07	0.13	0.05	0.02	0.00	0.00	0.01	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.03	0.05	-0.01	-0.03	-0.02	0.01	0.01	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.01	0.05	0.08	0.02	-0.01	-0.03	0.00	0.00	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.03	0.06	0.02	0.00	-0.01	0.00	0.01	0.02	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.02	0.04	0.01	0.00	-0.01	0.00	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.01	0.02	0.00	0.00	-0.02	0.01	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
CRMS 3985	-0.01	-0.01	-0.01	0.00	0.01	-0.01	-0.01	0.02	0.01	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.03	-0.03	0.02	0.03	0.02	0.00	0.00	-0.01	0.00	0.01	0.02	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00

Figure WQ PO4 82 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.10	0.04	0.01	0.01	0.03	0.03	0.02	0.02	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.02	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.05	0.04	0.06	0.06	0.06	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.03	0.01	0.01	0.04	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.03	0.05	0.07	0.07	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.05	0.07
CRMS 3985	0.10	0.10	0.09	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.08	0.10
CRMS 0224	0.14	0.11	0.08	0.03	0.01	0.01	0.01	0.02	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

V3PR2 HYST - cy 2 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.10	0.10	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.02	0.04	0.06	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.03	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.07	0.09	0.05	0.06	0.02	0.02	0.01	0.01	0.02	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.07	0.09	0.05	0.05	0.04	0.06	0.08	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.04	0.04	0.02	0.04	0.04	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.04	0.04	0.03	0.04	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.07	0.03	0.02	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.12	0.09	0.08	0.04	0.04	0.04	0.07	0.09	0.08	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.04	0.05	0.04	0.03	0.06	0.05	0.06	0.07
CRMS 3985	0.10	0.09	0.10	0.06	0.05	0.06	0.10	0.11	0.10	0.08	0.08	0.09
CRMS 0258	0.13	0.09	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.12	0.08	0.06	0.03	0.01	0.01	0.01	0.01	0.02	0.02	0.08	0.10
CRMS 0163	0.06	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.05	0.03	0.06	0.06	0.05	0.06	0.07	0.03	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	-0.02	0.02	0.05	0.01	0.01	0.00	0.00	0.00	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.04	-0.01	0.00	0.01	-0.02	-0.01	0.01	0.01	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.01	0.03	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.01	0.00	0.02	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.02	0.00	0.01	0.00	-0.01	0.00	0.01	0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.03	-0.01	-0.01	0.01	0.00	0.00	0.02	0.01	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00
CRMS 3985	0.00	-0.01	0.01	0.00	0.00	0.00	0.03	0.03	0.01	0.01	0.01	0.00
CRMS 0258	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00
CRMS 0224	-0.01	-0.03	-0.02	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 83 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.12	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.04	0.05	0.07	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.07	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.08	0.09	0.07	0.06	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.14	0.11	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.07	0.04	0.05	0.07	0.09	0.08	0.06	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.08	0.08	0.11	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.15	0.13	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.10	0.08	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

V3PR2 HYST - cy 2 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.05	0.04	0.04	0.07	0.06	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.08	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.09	0.11	0.10	0.06	0.01	0.02	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.11	0.12	0.10	0.08	0.07	0.07	0.06	0.06	0.07	0.11	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.12	0.09	0.07	0.07	0.07	0.05	0.04	0.04	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.12	0.08	0.06	0.07	0.07	0.06	0.06	0.05	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.06	0.04	0.04	0.05	0.05	0.05	0.04	0.09	0.11
HWQ14 - Lake Washington	0.13	0.12	0.13	0.07	0.06	0.06	0.07	0.07	0.06	0.07	0.11	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.12	0.12	0.14	0.09	0.07	0.07	0.07	0.08	0.09	0.09	0.11	0.11
CRMS 0258	0.13	0.12	0.12	0.05	0.01	0.01	0.01	0.00	0.01	0.01	0.10	0.13
CRMS 0224	0.12	0.12	0.12	0.06	0.01	0.02	0.02	0.01	0.02	0.02	0.09	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.10	0.07	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	-0.02	0.06	0.08	0.10	0.08	0.07	0.07	0.06	0.00	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.01	0.08	0.09	0.10	0.09	0.05	0.00	0.02	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.02	0.03	0.00	-0.01	-0.04	-0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.03	0.01	0.04	0.05	0.04	0.02	0.00	-0.02	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	0.02	0.02	0.04	0.03	0.02	0.00	-0.01	0.00	0.02	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.01	0.01	0.02	0.02	0.02	0.01	-0.02	0.00	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.03	0.01	0.00	0.01	0.00	0.00	-0.02	-0.02	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.03	-0.03	0.00	0.02	0.02	0.01
CRMS 0258	-0.02	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 0224	-0.02	-0.02	0.03	0.03	0.01	0.01	0.02	0.00	-0.01	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 84 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.16	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.08	0.04	0.04	0.07	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.08	0.05	0.06	0.05	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.06	0.07	0.09	0.08	0.07	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.05	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.03	0.04	0.07	0.08	0.09	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.06	0.07	0.10	0.12	0.10	0.08	0.09	0.08
CRMS 0258	0.14	0.14	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.08	0.07	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.09	0.08	0.07	0.08	0.05

V3PR2 HYST - cy 2 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.07	0.07	0.06	0.07	0.05	0.04	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.11	0.08	0.05	0.07	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.12	0.06	0.08	0.08	0.16	0.12	0.03	0.01	0.02	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.07	0.09	0.08	0.06	0.07	0.07	0.10	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.07	0.08	0.07	0.10	0.08	0.04	0.04	0.04	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.07	0.07	0.06	0.09	0.08	0.07	0.06	0.05	0.08	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.08	0.05	0.04	0.05	0.06	0.04	0.05	0.04	0.08	0.08
HWQ14 - Lake Washington	0.11	0.12	0.09	0.05	0.05	0.06	0.08	0.07	0.07	0.07	0.11	0.10
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.10	0.11	0.08	0.07	0.06	0.08	0.08	0.10	0.10	0.10	0.11	0.09
CRMS 0258	0.11	0.13	0.08	0.05	0.01	0.02	0.01	0.00	0.01	0.01	0.09	0.08
CRMS 0224	0.10	0.12	0.08	0.06	0.03	0.04	0.03	0.01	0.02	0.02	0.09	0.08
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.09	0.08	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.05	-0.06	0.06	0.08	0.15	0.12	0.02	0.01	0.01	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.02	-0.03	0.03	0.04	0.03	0.00	-0.03	-0.02	0.00	0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.03	0.04	0.05	0.08	0.04	0.00	-0.01	0.00	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.02	0.02	0.04	0.06	0.03	0.00	-0.01	0.00	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.01	0.03	0.03	0.03	0.00	-0.01	0.00	0.02	-0.01
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.01	0.02	0.02	0.01	0.00	-0.02	0.00	0.02	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.01	0.01	0.01	-0.02	-0.02	0.00	0.01	0.02	0.01
CRMS 0258	-0.03	-0.01	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.03	-0.01	-0.02	0.03	0.02	0.04	0.02	0.00	0.00	0.01	0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 85 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.15	0.11	0.04	0.01	0.01	0.01	0.04	0.02	0.01	0.07	0.08
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.07	0.04	0.03	0.04	0.07	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.04	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.15	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.12	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.11	0.13	0.09	0.04	0.01	0.01	0.03	0.05	0.06	0.04	0.07	0.08
HWQ14 - Lake Washington	0.13	0.15	0.11	0.05	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.10
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.03	0.07	0.05	0.06	0.06
CRMS 3985	0.12	0.13	0.12	0.09	0.08	0.08	0.11	0.10	0.08	0.07	0.07	0.09
CRMS 0258	0.12	0.12	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.07	0.09
CRMS 0224	0.12	0.13	0.09	0.04	0.01	0.01	0.01	0.01	0.03	0.01	0.07	0.09
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.06	0.07	0.05	0.06	0.07

V3PR3 HYST - cy 2 - 1985 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.08	0.09	0.11	0.10	0.09	0.09	0.08	0.07	0.06	0.05	0.07
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.06	0.04	0.03	0.04	0.06	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.05	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.10	0.09	0.12	0.11	0.05	0.02	0.01	0.01	0.02	0.06	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.11	0.10	0.11	0.08	0.05	0.06	0.07	0.07	0.06	0.07	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.10	0.09	0.10	0.08	0.04	0.04	0.04	0.05	0.04	0.07	0.07
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.09	0.07	0.04	0.05	0.05	0.06	0.05	0.07	0.07
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.10	0.06	0.05	0.02	0.03	0.03	0.06	0.04	0.07	0.07
HWQ14 - Lake Washington	0.11	0.12	0.11	0.07	0.06	0.05	0.07	0.07	0.08	0.07	0.09	0.08
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.04	0.07	0.06	0.06	0.06
CRMS 3985	0.11	0.13	0.11	0.09	0.08	0.06	0.09	0.11	0.09	0.09	0.09	0.09
CRMS 0258	0.10	0.11	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.08
CRMS 0224	0.10	0.11	0.10	0.07	0.02	0.01	0.01	0.01	0.03	0.02	0.06	0.08
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.08	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.09	0.09	0.06	0.07	0.05	0.06	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.07	0.10	0.09	0.08	0.04	0.06	0.05	-0.02	-0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.06	-0.02	0.09	0.10	0.05	0.02	0.00	0.00	0.01	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.03	-0.02	0.04	0.03	-0.01	-0.03	-0.02	0.01	0.01	-0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	-0.01	0.06	0.05	0.01	-0.01	-0.03	0.00	0.00	0.00	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.03	0.04	0.01	0.00	-0.01	0.00	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.00	0.02	0.03	0.01	0.01	-0.02	0.00	0.01	0.00	-0.01
HWQ14 - Lake Washington	-0.02	-0.02	0.00	0.02	0.02	0.00	-0.01	-0.03	0.01	0.01	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	0.00	-0.01	0.01	0.00	-0.02	-0.02	0.02	0.01	0.01	0.02	-0.01
CRMS 0258	-0.02	-0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.03	-0.02	0.01	0.04	0.01	0.00	0.00	-0.01	0.00	0.01	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 86 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.04	0.01	0.01	0.02	0.04	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.04	0.04	0.06	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.04	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.04	0.06	0.10
HWQ14 - Lake Washington	0.12	0.13	0.11	0.06	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.07	0.07	0.06	0.05	0.07	0.05	0.04	0.06
CRMS 3985	0.10	0.12	0.12	0.09	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.09
CRMS 0258	0.13	0.11	0.10	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.12	0.09	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.06	0.07	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.06	0.03	0.07	0.06

V3PR3 HYST - cy 2 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.06	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.05	0.04	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.10	0.11	0.13	0.05	0.02	0.01	0.01	0.02	0.10	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.09	0.10	0.10	0.10	0.05	0.06	0.07	0.07	0.07	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.10	0.10	0.10	0.04	0.03	0.04	0.05	0.04	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.08	0.08	0.05	0.04	0.06	0.07	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.10	0.10	0.06	0.05	0.03	0.03	0.04	0.06	0.05	0.08	0.10
HWQ14 - Lake Washington	0.11	0.11	0.11	0.07	0.06	0.05	0.07	0.08	0.08	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.07	0.07	0.06	0.05	0.07	0.05	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.08	0.07	0.09	0.11	0.09	0.09	0.09	0.09
CRMS 0258	0.10	0.10	0.11	0.06	0.02	0.00	0.01	0.00	0.01	0.01	0.09	0.10
CRMS 0224	0.10	0.09	0.11	0.07	0.03	0.01	0.01	0.01	0.03	0.02	0.09	0.10
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.07	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.07	0.04	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.01	0.06	0.12	0.11	0.07	0.05	0.06	0.06	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	0.00	0.08	0.13	0.04	0.01	0.00	0.00	0.01	0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.03	0.05	-0.01	-0.03	-0.02	0.01	0.01	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.01	0.05	0.08	0.02	-0.01	-0.02	0.00	0.00	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.03	0.06	0.02	0.00	-0.01	0.00	0.01	0.02	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.02	0.04	0.01	0.00	-0.01	0.00	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.01	0.02	0.00	0.00	-0.02	0.01	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01
CRMS 3985	-0.01	-0.01	0.00	0.00	0.01	-0.01	-0.01	0.02	0.01	0.02	0.01	0.00
CRMS 0258	-0.03	-0.02	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00
CRMS 0224	-0.03	-0.03	0.02	0.03	0.02	0.00	0.00	-0.01	0.00	0.01	0.02	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ PO4 87 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.10	0.04	0.01	0.01	0.03	0.03	0.02	0.02	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.02	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.05	0.04	0.06	0.06	0.06	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.03	0.01	0.01	0.04	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.03	0.05	0.07	0.07	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.05	0.07
CRMS 3985	0.10	0.10	0.09	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.08	0.10
CRMS 0224	0.14	0.11	0.08	0.03	0.01	0.01	0.01	0.02	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

V3PR3 HYST - cy 2 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.10	0.10	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.02	0.04	0.06	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.03	0.02	0.04	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.07	0.08	0.06	0.05	0.01	0.02	0.01	0.01	0.01	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.07	0.09	0.05	0.05	0.04	0.06	0.08	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.08	0.04	0.04	0.02	0.04	0.04	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.04	0.04	0.03	0.04	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.07	0.03	0.02	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.12	0.09	0.08	0.04	0.04	0.04	0.07	0.09	0.08	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.04	0.05	0.04	0.03	0.05	0.05	0.06	0.07
CRMS 3985	0.10	0.09	0.10	0.06	0.05	0.06	0.10	0.11	0.10	0.08	0.08	0.09
CRMS 0258	0.14	0.09	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.08	0.07	0.03	0.01	0.01	0.01	0.01	0.02	0.02	0.08	0.10
CRMS 0163	0.07	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.05	0.03	0.06	0.06	0.05	0.06	0.07	0.03	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.02	0.03	0.05	0.01	0.01	0.00	0.00	0.00	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.04	-0.01	0.00	0.01	-0.02	0.00	0.02	0.01	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.01	0.01	0.03	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.01	0.00	0.02	0.00	-0.01	0.00	0.00	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.02	0.00	0.01	0.00	-0.01	0.00	0.01	0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.03	-0.01	-0.01	0.00	0.00	0.00	0.02	0.02	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00
CRMS 3985	0.00	-0.01	0.01	0.00	0.00	0.00	0.03	0.03	0.01	0.01	0.01	0.00
CRMS 0258	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00
CRMS 0224	-0.01	-0.03	-0.02	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 88 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.12	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.04	0.05	0.07	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.07	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.08	0.09	0.07	0.06	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.14	0.11	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.07	0.04	0.05	0.07	0.09	0.08	0.06	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.08	0.08	0.11	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.15	0.13	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.10	0.08	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

V3PR3 HYST - cy 2 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.05	0.04	0.04	0.07	0.06	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.08	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.09	0.11	0.10	0.06	0.01	0.02	0.11	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.11	0.12	0.10	0.08	0.07	0.07	0.06	0.06	0.07	0.11	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.12	0.09	0.07	0.07	0.07	0.05	0.04	0.04	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.12	0.08	0.06	0.07	0.07	0.06	0.06	0.05	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.06	0.04	0.04	0.05	0.05	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.13	0.12	0.13	0.07	0.06	0.06	0.07	0.07	0.06	0.07	0.11	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.12	0.12	0.14	0.09	0.07	0.07	0.07	0.08	0.09	0.09	0.11	0.11
CRMS 0258	0.13	0.12	0.13	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.10	0.13
CRMS 0224	0.12	0.12	0.12	0.06	0.01	0.02	0.03	0.01	0.02	0.02	0.09	0.12
CRMS 0163	0.10	0.10	0.12	0.11	0.10	0.10	0.07	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	-0.02	0.06	0.08	0.10	0.08	0.07	0.07	0.06	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.01	0.08	0.09	0.10	0.09	0.05	0.00	0.01	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.02	0.03	0.00	-0.01	-0.04	-0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.03	0.01	0.04	0.05	0.04	0.03	0.00	-0.01	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	0.02	0.02	0.04	0.03	0.02	0.00	-0.01	0.00	0.02	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.01	0.01	0.02	0.02	0.02	0.01	-0.02	0.00	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.03	0.01	0.00	0.01	0.00	0.00	-0.01	-0.02	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	-0.03	-0.03	0.00	0.02	0.02	0.01
CRMS 0258	-0.02	-0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02
CRMS 0224	-0.02	-0.02	0.03	0.03	0.01	0.02	0.02	0.01	-0.01	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 89 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.16	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.08	0.04	0.04	0.07	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.08	0.05	0.06	0.05	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.06	0.07	0.09	0.08	0.07	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.05	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.03	0.04	0.07	0.08	0.09	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.06	0.07	0.10	0.12	0.10	0.08	0.09	0.08
CRMS 0258	0.14	0.14	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.08	0.07	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.09	0.08	0.07	0.08	0.05

V3PR3 HYST - cy 2 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.07	0.07	0.06	0.07	0.05	0.04	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.11	0.08	0.05	0.07	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.11	0.06	0.08	0.08	0.16	0.12	0.02	0.01	0.02	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.07	0.09	0.08	0.06	0.07	0.07	0.10	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.12	0.07	0.08	0.07	0.10	0.08	0.04	0.04	0.04	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.07	0.07	0.06	0.09	0.08	0.07	0.06	0.05	0.08	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.08	0.05	0.04	0.05	0.06	0.04	0.05	0.04	0.08	0.08
HWQ14 - Lake Washington	0.11	0.13	0.09	0.05	0.05	0.06	0.08	0.07	0.07	0.07	0.10	0.10
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.10	0.11	0.08	0.07	0.06	0.08	0.08	0.10	0.10	0.10	0.11	0.09
CRMS 0258	0.11	0.13	0.08	0.05	0.01	0.02	0.01	0.00	0.01	0.01	0.10	0.08
CRMS 0224	0.10	0.12	0.08	0.06	0.03	0.04	0.03	0.01	0.02	0.02	0.09	0.08
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.09	0.08	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	-0.06	0.06	0.08	0.15	0.12	0.02	0.00	0.01	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.03	0.03	0.04	0.03	0.00	-0.03	-0.02	0.00	0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.03	0.04	0.05	0.08	0.04	0.00	-0.01	0.00	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.02	0.02	0.04	0.06	0.03	0.00	-0.01	0.00	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.01	0.03	0.03	0.03	0.00	-0.01	0.00	0.02	-0.01
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.01	0.02	0.02	0.01	0.00	-0.02	0.00	0.02	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.01	0.01	0.01	-0.02	-0.02	0.00	0.01	0.02	0.01
CRMS 0258	-0.03	-0.01	0.00	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.03	-0.01	-0.02	0.03	0.02	0.04	0.02	0.00	0.00	0.01	0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 90 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.15	0.11	0.04	0.01	0.01	0.01	0.04	0.02	0.01	0.07	0.08
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.07	0.04	0.03	0.04	0.07	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.04	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.15	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.12	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.11	0.13	0.09	0.04	0.01	0.01	0.03	0.05	0.06	0.04	0.07	0.08
HWQ14 - Lake Washington	0.13	0.15	0.11	0.05	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.10
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.03	0.07	0.05	0.06	0.06
CRMS 3985	0.12	0.13	0.12	0.09	0.08	0.08	0.11	0.10	0.08	0.07	0.07	0.09
CRMS 0258	0.12	0.12	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.07	0.09
CRMS 0224	0.12	0.13	0.09	0.04	0.01	0.01	0.01	0.01	0.03	0.01	0.07	0.09
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.06	0.07	0.05	0.06	0.07

V3PR4 HYST - cy 2 - 1985 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.08	0.08	0.11	0.10	0.09	0.09	0.08	0.07	0.06	0.05	0.07
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.06	0.04	0.03	0.04	0.06	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.05	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.10	0.09	0.12	0.11	0.05	0.03	0.01	0.02	0.03	0.06	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.10	0.09	0.11	0.09	0.05	0.06	0.07	0.07	0.06	0.07	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.10	0.09	0.11	0.09	0.04	0.04	0.04	0.05	0.04	0.06	0.07
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.10	0.08	0.04	0.05	0.05	0.07	0.06	0.06	0.07
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.10	0.07	0.05	0.02	0.03	0.03	0.06	0.04	0.07	0.07
HWQ14 - Lake Washington	0.11	0.12	0.11	0.08	0.06	0.05	0.06	0.07	0.08	0.07	0.08	0.08
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.04	0.07	0.06	0.06	0.06
CRMS 3985	0.11	0.12	0.11	0.10	0.08	0.06	0.09	0.11	0.09	0.09	0.09	0.08
CRMS 0258	0.10	0.11	0.10	0.08	0.02	0.01	0.01	0.01	0.01	0.01	0.06	0.08
CRMS 0224	0.09	0.10	0.10	0.10	0.03	0.01	0.01	0.01	0.03	0.02	0.06	0.07
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.08	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.09	0.09	0.06	0.07	0.06	0.06	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.07	0.10	0.09	0.08	0.04	0.06	0.05	-0.02	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.02	0.09	0.10	0.05	0.02	0.00	0.01	0.02	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.04	-0.02	0.05	0.04	-0.01	-0.03	-0.02	0.01	0.01	-0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	-0.01	0.06	0.07	0.02	0.00	-0.03	0.00	0.00	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.05	0.06	0.02	0.01	-0.01	0.00	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.03	0.04	0.01	0.01	-0.01	0.00	0.01	0.00	-0.01
HWQ14 - Lake Washington	-0.03	-0.02	0.00	0.02	0.02	0.00	-0.01	-0.03	0.01	0.01	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 3985	-0.01	-0.01	-0.02	0.01	0.00	-0.02	-0.02	0.02	0.01	0.02	0.02	-0.01
CRMS 0258	-0.03	-0.02	0.01	0.04	0.02	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.03	-0.03	0.01	0.06	0.03	0.01	0.00	-0.01	0.00	0.01	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 91 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.04	0.01	0.01	0.02	0.04	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.04	0.04	0.06	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.04	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.04	0.06	0.10
HWQ14 - Lake Washington	0.12	0.13	0.11	0.06	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.07	0.07	0.06	0.05	0.07	0.05	0.04	0.06
CRMS 3985	0.10	0.12	0.12	0.09	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.09
CRMS 0258	0.13	0.11	0.10	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.12	0.09	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.06	0.07	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.06	0.03	0.07	0.06

V3PR4 HYST - cy 2 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.07	0.05	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.05	0.04	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.10	0.11	0.13	0.06	0.02	0.01	0.02	0.03	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.09	0.10	0.11	0.12	0.06	0.06	0.08	0.08	0.07	0.10	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.10	0.12	0.05	0.03	0.04	0.05	0.05	0.09	0.09
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.10	0.11	0.06	0.04	0.06	0.07	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.07	0.06	0.03	0.03	0.04	0.06	0.05	0.08	0.10
HWQ14 - Lake Washington	0.11	0.10	0.11	0.07	0.07	0.05	0.06	0.07	0.08	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.07	0.05	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.09	0.07	0.09	0.11	0.09	0.09	0.10	0.09
CRMS 0258	0.09	0.09	0.11	0.08	0.04	0.00	0.01	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.09	0.09	0.11	0.09	0.06	0.01	0.01	0.01	0.03	0.02	0.09	0.10
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.08	0.07	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.08	0.05	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.01	0.06	0.12	0.11	0.07	0.05	0.06	0.06	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.01	0.07	0.13	0.05	0.01	0.00	0.01	0.02	0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.04	0.07	-0.01	-0.03	-0.01	0.01	0.02	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.06	0.10	0.02	-0.01	-0.02	0.00	0.01	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.04	0.08	0.03	0.00	-0.01	0.00	0.01	0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.03	0.05	0.02	0.00	-0.01	0.00	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.02	0.03	0.00	-0.01	-0.02	0.01	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.01	0.01
CRMS 3985	-0.01	-0.02	-0.01	0.01	0.02	-0.01	-0.02	0.02	0.01	0.02	0.02	0.00
CRMS 0258	-0.03	-0.02	0.01	0.04	0.04	0.00	0.00	0.00	0.00	0.00	0.02	0.00
CRMS 0224	-0.04	-0.03	0.02	0.05	0.05	0.00	0.00	-0.01	0.00	0.01	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.00

Figure WQ PO4 92 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.10	0.04	0.01	0.01	0.03	0.03	0.02	0.02	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.02	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.05	0.04	0.06	0.06	0.06	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.03	0.01	0.01	0.04	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.03	0.05	0.07	0.07	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.05	0.07
CRMS 3985	0.10	0.10	0.09	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.08	0.10
CRMS 0224	0.14	0.11	0.08	0.03	0.01	0.01	0.01	0.02	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

V3PR4 HYST - cy 2 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.10	0.10	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.05	0.04	0.04	0.02	0.04	0.06	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.06	0.04	0.03	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.06	0.08	0.06	0.06	0.02	0.02	0.01	0.02	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.05	0.05	0.04	0.06	0.08	0.08	0.07	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.05	0.05	0.02	0.04	0.05	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.07	0.07	0.04	0.04	0.03	0.04	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.08	0.06	0.03	0.02	0.01	0.03	0.04	0.06	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.04	0.04	0.07	0.09	0.09	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.04	0.05	0.04	0.03	0.06	0.05	0.06	0.07
CRMS 3985	0.10	0.09	0.10	0.06	0.05	0.06	0.10	0.11	0.10	0.08	0.08	0.09
CRMS 0258	0.13	0.08	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.12	0.08	0.06	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.10
CRMS 0163	0.06	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.04	0.02	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.05	0.03	0.06	0.06	0.05	0.06	0.08	0.03	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.02	0.03	0.06	0.02	0.01	0.00	0.01	0.01	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	-0.01	0.00	0.01	-0.02	0.00	0.02	0.01	0.01	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.01	0.03	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.02	0.00	0.03	0.00	-0.01	0.00	0.00	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.02	0.00	0.01	0.00	-0.01	0.00	0.01	0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.00	0.01	0.00	0.00	0.02	0.02	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00
CRMS 3985	0.00	-0.01	0.01	0.00	0.00	0.00	0.03	0.04	0.02	0.01	0.01	0.00
CRMS 0258	-0.01	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01	0.00
CRMS 0224	-0.01	-0.03	-0.02	0.00	0.01	0.00	-0.01	-0.02	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00

Figure WQ PO4 93 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.12	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.04	0.05	0.07	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.07	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.08	0.09	0.07	0.06	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.14	0.11	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.07	0.04	0.05	0.07	0.09	0.08	0.06	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.08	0.08	0.11	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.15	0.13	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.10	0.08	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

V3PR4 HYST - cy 2 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.05	0.04	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.08	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.10	0.06	0.01	0.03	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.12	0.10	0.08	0.08	0.08	0.06	0.06	0.07	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.12	0.10	0.08	0.09	0.08	0.06	0.04	0.04	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.09	0.08	0.08	0.08	0.07	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.06	0.05	0.05	0.06	0.05	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.13	0.12	0.13	0.07	0.06	0.06	0.07	0.07	0.06	0.07	0.11	0.13
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.06	0.08
CRMS 3985	0.12	0.12	0.13	0.09	0.08	0.07	0.07	0.08	0.09	0.09	0.11	0.11
CRMS 0258	0.12	0.11	0.13	0.07	0.02	0.01	0.02	0.01	0.01	0.01	0.10	0.13
CRMS 0224	0.12	0.11	0.12	0.08	0.03	0.04	0.05	0.02	0.02	0.02	0.09	0.13
CRMS 0163	0.10	0.10	0.12	0.11	0.10	0.10	0.07	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	-0.02	0.06	0.08	0.10	0.08	0.07	0.07	0.06	0.00	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.00	0.00	0.00	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.01	0.08	0.09	0.10	0.09	0.06	0.01	0.03	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.02	0.03	0.01	0.00	-0.03	-0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.04	0.01	0.05	0.06	0.06	0.04	0.01	-0.01	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.02	0.04	0.05	0.05	0.03	0.01	-0.01	0.00	0.02	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.02	0.03	0.03	0.03	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.03	0.01	0.00	0.02	0.01	0.00	-0.02	-0.02	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.02	-0.01	-0.01	-0.01	-0.01	-0.03	-0.03	0.00	0.02	0.02	0.01
CRMS 0258	-0.03	-0.02	0.02	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 0224	-0.03	-0.03	0.03	0.04	0.02	0.03	0.04	0.01	0.00	0.01	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 94 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.16	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.08	0.04	0.04	0.07	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.08	0.05	0.06	0.05	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.06	0.07	0.09	0.08	0.07	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.05	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.03	0.04	0.07	0.08	0.09	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.06	0.07	0.10	0.12	0.10	0.08	0.09	0.08
CRMS 0258	0.14	0.14	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.08	0.07	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.09	0.08	0.07	0.08	0.05

V3PR4 HYST - cy 2 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.07	0.07	0.06	0.07	0.05	0.04	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.11	0.08	0.05	0.07	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.11	0.06	0.08	0.08	0.16	0.12	0.03	0.02	0.03	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.07	0.08	0.08	0.11	0.08	0.06	0.07	0.07	0.11	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.12	0.06	0.08	0.08	0.13	0.10	0.04	0.04	0.04	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.07	0.08	0.07	0.12	0.10	0.07	0.06	0.05	0.08	0.06
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.08	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.08	0.08
HWQ14 - Lake Washington	0.11	0.12	0.09	0.05	0.05	0.07	0.08	0.07	0.07	0.07	0.11	0.09
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.08	0.07	0.06	0.05	0.06
CRMS 3985	0.10	0.11	0.08	0.07	0.07	0.09	0.08	0.10	0.09	0.10	0.11	0.08
CRMS 0258	0.11	0.13	0.07	0.06	0.03	0.04	0.02	0.00	0.01	0.01	0.09	0.07
CRMS 0224	0.10	0.12	0.07	0.07	0.05	0.07	0.05	0.01	0.02	0.02	0.09	0.07
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.09	0.08	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.01	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	-0.06	0.05	0.08	0.15	0.12	0.02	0.01	0.02	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.03	0.03	0.04	0.06	0.01	-0.03	-0.02	0.01	0.02	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.03	0.04	0.06	0.11	0.06	0.00	-0.01	0.00	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.02	0.03	0.05	0.09	0.05	0.01	-0.01	0.00	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.02	0.04	0.04	0.03	0.01	-0.01	0.00	0.02	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.01	0.02	0.02	0.02	0.00	-0.02	0.00	0.02	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.01	0.01	0.02	-0.02	-0.03	0.00	0.02	0.02	0.01
CRMS 0258	-0.03	-0.01	0.00	0.03	0.02	0.03	0.01	0.00	0.00	0.00	0.01	-0.02
CRMS 0224	-0.03	-0.01	-0.03	0.04	0.04	0.07	0.04	0.00	0.00	0.01	0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 95 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.15	0.11	0.04	0.01	0.01	0.01	0.04	0.02	0.01	0.07	0.08
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.07	0.04	0.03	0.04	0.07	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.04	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.15	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.12	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.11	0.13	0.09	0.04	0.01	0.01	0.03	0.05	0.06	0.04	0.07	0.08
HWQ14 - Lake Washington	0.13	0.15	0.11	0.05	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.10
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.03	0.07	0.05	0.06	0.06
CRMS 3985	0.12	0.13	0.12	0.09	0.08	0.08	0.11	0.10	0.08	0.07	0.07	0.09
CRMS 0258	0.12	0.12	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.07	0.09
CRMS 0224	0.12	0.13	0.09	0.04	0.01	0.01	0.01	0.01	0.03	0.01	0.07	0.09
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.06	0.07	0.05	0.06	0.07

V3PR5 HYST - cy 2 - 1985 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.08	0.08	0.11	0.10	0.09	0.09	0.08	0.07	0.06	0.05	0.07
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.06	0.04	0.03	0.04	0.06	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.05	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.10	0.09	0.12	0.11	0.05	0.03	0.02	0.02	0.02	0.06	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.10	0.09	0.11	0.09	0.05	0.06	0.07	0.07	0.07	0.07	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.10	0.09	0.11	0.09	0.04	0.04	0.04	0.05	0.04	0.06	0.07
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.10	0.08	0.04	0.05	0.05	0.07	0.05	0.06	0.07
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.10	0.07	0.05	0.02	0.03	0.03	0.06	0.04	0.07	0.07
HWQ14 - Lake Washington	0.11	0.12	0.11	0.08	0.06	0.05	0.06	0.07	0.08	0.07	0.09	0.08
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.04	0.07	0.06	0.06	0.06
CRMS 3985	0.11	0.12	0.11	0.10	0.08	0.06	0.09	0.11	0.09	0.09	0.09	0.08
CRMS 0258	0.10	0.11	0.10	0.08	0.02	0.01	0.01	0.01	0.01	0.01	0.06	0.08
CRMS 0224	0.09	0.10	0.10	0.09	0.03	0.01	0.01	0.01	0.03	0.02	0.06	0.07
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.08	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.09	0.09	0.06	0.07	0.06	0.06	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.07	0.10	0.09	0.08	0.04	0.06	0.05	-0.02	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.02	0.09	0.10	0.05	0.03	0.00	0.01	0.02	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.04	-0.02	0.05	0.04	-0.01	-0.03	-0.02	0.01	0.01	-0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	-0.01	0.06	0.07	0.02	0.00	-0.03	0.00	0.00	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.05	0.06	0.02	0.01	-0.01	0.00	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.03	0.04	0.01	0.01	-0.01	0.00	0.01	0.00	-0.01
HWQ14 - Lake Washington	-0.03	-0.02	0.00	0.02	0.02	0.00	-0.01	-0.03	0.01	0.01	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
CRMS 3985	-0.01	-0.01	-0.02	0.01	0.00	-0.02	-0.02	0.02	0.01	0.02	0.01	-0.01
CRMS 0258	-0.03	-0.02	0.01	0.04	0.02	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	-0.03	-0.03	0.01	0.06	0.03	0.01	0.00	-0.01	0.00	0.01	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 96 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.04	0.01	0.01	0.02	0.04	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.04	0.04	0.06	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.04	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.04	0.06	0.10
HWQ14 - Lake Washington	0.12	0.13	0.11	0.06	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.07	0.07	0.06	0.05	0.07	0.05	0.04	0.06
CRMS 3985	0.10	0.12	0.12	0.09	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.09
CRMS 0258	0.13	0.11	0.10	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.12	0.09	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.06	0.07	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.06	0.03	0.07	0.06

V3PR5 HYST - cy 2 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.07	0.05	0.03	0.04	0.06	0.06	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.05	0.04	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.08	0.10	0.11	0.13	0.05	0.02	0.02	0.01	0.02	0.09	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.09	0.10	0.11	0.12	0.06	0.06	0.08	0.08	0.07	0.10	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.10	0.12	0.05	0.04	0.04	0.05	0.05	0.09	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.10	0.11	0.06	0.05	0.06	0.07	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.09	0.10	0.07	0.06	0.03	0.03	0.04	0.07	0.05	0.09	0.10
HWQ14 - Lake Washington	0.11	0.10	0.11	0.07	0.07	0.06	0.07	0.08	0.08	0.08	0.11	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.07	0.06	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.10	0.09	0.07	0.09	0.12	0.09	0.10	0.10	0.09
CRMS 0258	0.09	0.09	0.11	0.07	0.04	0.00	0.01	0.00	0.01	0.01	0.09	0.09
CRMS 0224	0.09	0.09	0.10	0.08	0.06	0.01	0.01	0.01	0.03	0.02	0.09	0.09
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.07	0.06	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.10	0.09	0.07	0.07	0.05	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.01	0.06	0.12	0.11	0.07	0.05	0.06	0.06	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.01	0.07	0.13	0.04	0.01	0.00	0.01	0.01	0.01	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.04	0.07	0.00	-0.03	-0.01	0.01	0.02	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.06	0.10	0.03	-0.01	-0.02	0.00	0.01	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.04	0.08	0.03	0.00	-0.01	0.00	0.01	0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.03	0.05	0.02	0.00	0.00	0.01	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.01	-0.03	0.00	0.02	0.03	0.01	0.00	-0.02	0.01	0.02	0.03	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.01	0.01	0.00	0.01	0.00	0.01	0.01	0.01
CRMS 3985	0.00	-0.02	-0.01	0.01	0.02	-0.01	-0.01	0.02	0.01	0.03	0.02	0.00
CRMS 0258	-0.03	-0.02	0.01	0.03	0.03	0.00	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.04	-0.03	0.02	0.05	0.05	0.00	0.00	0.00	0.00	0.01	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.00

Figure WQ PO4 97 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.10	0.04	0.01	0.01	0.03	0.03	0.02	0.02	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.02	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.05	0.04	0.06	0.06	0.06	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.03	0.01	0.01	0.04	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.03	0.05	0.07	0.07	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.05	0.07
CRMS 3985	0.10	0.10	0.09	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.08	0.10
CRMS 0224	0.14	0.11	0.08	0.03	0.01	0.01	0.01	0.02	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

V3PR5 HYST - cy 2 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.10	0.10	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.05	0.04	0.03	0.02	0.04	0.06	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.06	0.04	0.03	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.06	0.08	0.06	0.06	0.02	0.02	0.01	0.01	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.05	0.05	0.04	0.06	0.09	0.08	0.07	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.05	0.05	0.02	0.04	0.04	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.07	0.07	0.04	0.04	0.03	0.04	0.05	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.08	0.06	0.03	0.02	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.04	0.04	0.07	0.09	0.09	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.04	0.05	0.04	0.03	0.06	0.05	0.06	0.07
CRMS 3985	0.10	0.08	0.10	0.06	0.05	0.07	0.10	0.11	0.10	0.08	0.09	0.10
CRMS 0258	0.13	0.08	0.07	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
CRMS 0224	0.12	0.08	0.06	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.10
CRMS 0163	0.06	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.04	0.02	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.05	0.03	0.06	0.06	0.05	0.06	0.08	0.03	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.02	0.03	0.05	0.01	0.01	0.00	0.00	0.01	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	-0.01	0.00	0.01	-0.02	0.00	0.02	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.01	0.03	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.01	0.00	0.03	0.00	-0.01	0.00	0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.02	0.00	0.01	0.00	-0.01	0.00	0.01	0.01	0.01	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.00	0.01	0.00	0.00	0.02	0.02	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00
CRMS 3985	0.00	-0.01	0.01	0.00	0.01	0.00	0.03	0.04	0.02	0.01	0.01	0.00
CRMS 0258	-0.02	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01	-0.01
CRMS 0224	-0.01	-0.03	-0.02	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00

Figure WQ PO4 98 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.12	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.04	0.05	0.07	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.07	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.08	0.09	0.07	0.06	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.14	0.11	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.07	0.04	0.05	0.07	0.09	0.08	0.06	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.08	0.08	0.11	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.15	0.13	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.10	0.08	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

V3PR5 HYST - cy 2 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.05	0.04	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.08	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.09	0.06	0.01	0.03	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.12	0.10	0.09	0.08	0.08	0.06	0.06	0.07	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.12	0.10	0.08	0.09	0.08	0.05	0.04	0.04	0.10	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.09	0.08	0.08	0.08	0.07	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.06	0.05	0.05	0.06	0.05	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.13	0.12	0.13	0.07	0.06	0.06	0.07	0.07	0.06	0.07	0.11	0.13
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.06	0.08
CRMS 3985	0.12	0.12	0.13	0.09	0.08	0.07	0.07	0.08	0.09	0.09	0.12	0.11
CRMS 0258	0.12	0.11	0.13	0.07	0.02	0.01	0.02	0.01	0.01	0.01	0.10	0.13
CRMS 0224	0.12	0.11	0.12	0.07	0.03	0.04	0.05	0.02	0.02	0.02	0.09	0.13
CRMS 0163	0.10	0.10	0.12	0.11	0.10	0.10	0.07	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	-0.02	0.06	0.08	0.10	0.08	0.07	0.07	0.06	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.01	0.00	0.00	0.00	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.01	0.08	0.09	0.10	0.09	0.06	0.01	0.02	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.02	0.03	0.02	0.00	-0.03	-0.01	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.04	0.01	0.05	0.06	0.06	0.04	0.00	-0.01	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.02	0.04	0.05	0.05	0.03	0.01	-0.01	0.00	0.02	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.02	0.03	0.03	0.03	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.03	0.01	0.00	0.02	0.01	0.00	-0.02	-0.02	0.00	0.02	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.02	-0.01	-0.01	-0.01	-0.01	-0.03	-0.03	0.00	0.02	0.02	0.01
CRMS 0258	-0.03	-0.02	0.02	0.03	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.02
CRMS 0224	-0.03	-0.03	0.03	0.04	0.02	0.03	0.04	0.01	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 99 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.16	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.08	0.04	0.04	0.07	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.08	0.05	0.06	0.05	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.06	0.07	0.09	0.08	0.07	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.05	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.03	0.04	0.07	0.08	0.09	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.06	0.07	0.10	0.12	0.10	0.08	0.09	0.08
CRMS 0258	0.14	0.14	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.08	0.07	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.09	0.08	0.07	0.08	0.05

V3PR5 HYST - cy 2 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.07	0.07	0.06	0.07	0.05	0.04	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.11	0.08	0.06	0.07	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.11	0.06	0.08	0.08	0.16	0.12	0.03	0.02	0.03	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.07	0.08	0.08	0.12	0.08	0.06	0.07	0.07	0.11	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.13	0.10	0.04	0.04	0.04	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.07	0.08	0.07	0.11	0.10	0.07	0.06	0.05	0.08	0.06
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.08	0.05	0.05	0.06	0.06	0.04	0.05	0.04	0.09	0.08
HWQ14 - Lake Washington	0.11	0.12	0.09	0.05	0.05	0.07	0.08	0.07	0.07	0.07	0.11	0.09
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.10	0.11	0.08	0.07	0.07	0.09	0.08	0.10	0.09	0.10	0.11	0.08
CRMS 0258	0.11	0.13	0.07	0.06	0.03	0.04	0.02	0.00	0.01	0.01	0.09	0.07
CRMS 0224	0.10	0.12	0.07	0.07	0.04	0.07	0.05	0.01	0.02	0.02	0.09	0.07
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.09	0.08	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.01	0.00	0.00	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.06	-0.06	0.05	0.08	0.15	0.12	0.03	0.01	0.02	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.03	0.03	0.04	0.06	0.01	-0.03	-0.02	0.01	0.02	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.03	0.04	0.06	0.11	0.06	0.00	-0.01	0.00	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.02	0.03	0.05	0.09	0.05	0.01	-0.01	0.00	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.02	0.03	0.04	0.03	0.01	-0.01	0.00	0.02	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.02	0.02	0.02	0.02	0.00	-0.02	0.00	0.02	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.01	0.01	0.02	-0.02	-0.03	0.00	0.02	0.02	0.01
CRMS 0258	-0.03	-0.01	0.00	0.03	0.02	0.03	0.02	0.00	0.00	0.00	0.01	-0.02
CRMS 0224	-0.03	-0.01	-0.03	0.04	0.04	0.07	0.04	0.00	0.00	0.01	0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 100 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.15	0.11	0.04	0.01	0.01	0.01	0.04	0.02	0.01	0.07	0.08
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.07	0.04	0.03	0.04	0.07	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.04	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.15	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.12	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.11	0.13	0.09	0.04	0.01	0.01	0.03	0.05	0.06	0.04	0.07	0.08
HWQ14 - Lake Washington	0.13	0.15	0.11	0.05	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.10
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.03	0.07	0.05	0.06	0.06
CRMS 3985	0.12	0.13	0.12	0.09	0.08	0.08	0.11	0.10	0.08	0.07	0.07	0.09
CRMS 0258	0.12	0.12	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.07	0.09
CRMS 0224	0.12	0.13	0.09	0.04	0.01	0.01	0.01	0.01	0.03	0.01	0.07	0.09
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.06	0.07	0.05	0.06	0.07

V3PR6 HYST - cy 2 - 1985 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.08	0.08	0.11	0.10	0.09	0.09	0.08	0.07	0.06	0.05	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.10	0.09	0.09	0.06	0.04	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.05	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.09	0.09	0.12	0.11	0.05	0.02	0.02	0.02	0.03	0.06	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.10	0.09	0.12	0.11	0.06	0.05	0.07	0.08	0.07	0.06	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.09	0.12	0.11	0.06	0.04	0.03	0.05	0.05	0.06	0.07
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.09	0.12	0.10	0.05	0.05	0.05	0.07	0.06	0.06	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.09	0.09	0.06	0.03	0.04	0.03	0.06	0.05	0.07	0.07
HWQ14 - Lake Washington	0.10	0.11	0.10	0.09	0.07	0.05	0.06	0.07	0.08	0.07	0.08	0.07
HWQ16 - Bayou Grand Liard	0.08	0.09	0.09	0.09	0.08	0.06	0.06	0.04	0.07	0.06	0.06	0.06
CRMS 3985	0.10	0.11	0.10	0.11	0.09	0.06	0.08	0.11	0.09	0.09	0.08	0.07
CRMS 0258	0.09	0.10	0.10	0.12	0.06	0.01	0.01	0.01	0.01	0.01	0.06	0.07
CRMS 0224	0.09	0.10	0.09	0.12	0.07	0.02	0.01	0.01	0.03	0.03	0.06	0.07
CRMS 0163	0.09	0.09	0.09	0.12	0.11	0.07	0.02	0.02	0.08	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.09	0.09	0.07	0.07	0.06	0.06	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.07	0.10	0.09	0.07	0.04	0.06	0.05	-0.02	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.02	0.08	0.10	0.04	0.02	0.00	0.01	0.02	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.04	-0.03	0.05	0.06	-0.01	-0.03	-0.02	0.01	0.02	-0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	-0.01	0.07	0.09	0.03	0.00	-0.03	0.00	0.01	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.00	0.06	0.08	0.03	0.01	-0.01	0.00	0.01	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.05	0.05	0.02	0.01	-0.01	0.00	0.01	0.00	-0.01
HWQ14 - Lake Washington	-0.04	-0.03	-0.01	0.03	0.03	0.00	-0.01	-0.03	0.01	0.01	0.00	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.03	0.02	0.01	-0.02	-0.03	0.02	0.01	0.02	0.01	-0.02
CRMS 0258	-0.03	-0.02	0.00	0.08	0.05	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02
CRMS 0224	-0.03	-0.03	0.01	0.09	0.07	0.01	0.00	-0.01	0.00	0.01	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00

Figure WQ PO4 101 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.04	0.01	0.01	0.02	0.04	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.04	0.04	0.06	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.04	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.04	0.06	0.10
HWQ14 - Lake Washington	0.12	0.13	0.11	0.06	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.07	0.07	0.06	0.05	0.07	0.05	0.04	0.06
CRMS 3985	0.10	0.12	0.12	0.09	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.09
CRMS 0258	0.13	0.11	0.10	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.12	0.09	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.06	0.07	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.06	0.03	0.07	0.06

V3PR6 HYST - cy 2 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.06	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.10	0.10	0.06	0.05	0.04	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.09	0.10	0.13	0.06	0.01	0.01	0.02	0.03	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.06	0.06	0.08	0.08	0.08	0.11	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.04	0.05	0.05	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.13	0.06	0.04	0.06	0.07	0.06	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.08	0.08	0.04	0.02	0.04	0.07	0.05	0.09	0.10
HWQ14 - Lake Washington	0.10	0.09	0.10	0.08	0.08	0.06	0.06	0.07	0.08	0.08	0.11	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.08	0.06	0.06	0.07	0.06	0.05	0.07
CRMS 3985	0.09	0.09	0.10	0.11	0.12	0.08	0.09	0.11	0.10	0.10	0.11	0.09
CRMS 0258	0.09	0.09	0.10	0.11	0.11	0.01	0.01	0.01	0.01	0.01	0.10	0.09
CRMS 0224	0.09	0.08	0.10	0.11	0.13	0.02	0.01	0.01	0.03	0.03	0.09	0.09
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.08	0.02	0.02	0.08	0.07	0.07	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.14	0.10	0.09	0.08	0.08	0.06	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.01	0.06	0.12	0.11	0.07	0.05	0.06	0.06	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.01	0.07	0.12	0.05	0.01	0.00	0.01	0.02	0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.04	0.08	0.00	-0.03	-0.02	0.02	0.02	0.03	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.05	0.00	0.06	0.11	0.03	-0.01	-0.02	0.00	0.01	0.03	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.05	0.10	0.04	0.00	-0.01	0.00	0.01	0.03	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.04	0.07	0.03	0.00	-0.01	0.00	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.03	0.05	0.01	-0.01	-0.03	0.01	0.02	0.03	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.01	0.00	0.01	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.01	0.02	0.04	0.00	-0.02	0.02	0.02	0.03	0.03	0.00
CRMS 0258	-0.04	-0.03	0.01	0.07	0.11	0.00	0.00	0.00	0.00	0.00	0.02	0.00
CRMS 0224	-0.04	-0.04	0.02	0.08	0.12	0.01	0.00	0.00	0.00	0.02	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.00

Figure WQ PO4 102 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.10	0.04	0.01	0.01	0.03	0.03	0.02	0.02	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.02	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.05	0.04	0.06	0.06	0.06	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.03	0.01	0.01	0.04	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.03	0.05	0.07	0.07	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.05	0.07
CRMS 3985	0.10	0.10	0.09	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.08	0.10
CRMS 0224	0.14	0.11	0.08	0.03	0.01	0.01	0.01	0.02	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

V3PR6 HYST - cy 2 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.09	0.09	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.05	0.04	0.03	0.02	0.04	0.06	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.03	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.06	0.08	0.07	0.06	0.02	0.02	0.02	0.02	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.06	0.06	0.04	0.07	0.09	0.09	0.07	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.06	0.07	0.05	0.06	0.02	0.04	0.04	0.05	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.07	0.05	0.06	0.02	0.04	0.05	0.07	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.06	0.04	0.03	0.01	0.03	0.04	0.07	0.05	0.08	0.10
HWQ14 - Lake Washington	0.13	0.08	0.08	0.04	0.04	0.04	0.07	0.08	0.09	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.10	0.08	0.10	0.06	0.06	0.06	0.10	0.12	0.11	0.09	0.09	0.10
CRMS 0258	0.13	0.07	0.08	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.07	0.09
CRMS 0224	0.12	0.07	0.07	0.04	0.02	0.01	0.01	0.01	0.03	0.02	0.08	0.10
CRMS 0163	0.06	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.04	0.02	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.05	0.03	0.06	0.06	0.05	0.06	0.07	0.04	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.02	0.04	0.06	0.01	0.01	0.00	0.01	0.01	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.05	-0.01	0.00	0.02	-0.01	0.01	0.02	0.02	0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.01	0.04	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.04	-0.01	0.01	0.04	0.00	-0.01	0.00	0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.00	0.02	0.00	-0.01	0.00	0.01	0.01	0.01	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.02	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00
CRMS 3985	0.00	-0.02	0.00	0.00	0.01	0.00	0.03	0.05	0.02	0.02	0.01	0.00
CRMS 0258	-0.01	-0.02	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	-0.02	-0.01	-0.01
CRMS 0224	-0.01	-0.04	-0.02	0.01	0.02	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00

Figure WQ PO4 103 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.12	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.04	0.05	0.07	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.07	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.08	0.09	0.07	0.06	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.14	0.11	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.07	0.04	0.05	0.07	0.09	0.08	0.06	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.08	0.08	0.11	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.15	0.13	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.10	0.08	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

V3PR6 HYST - cy 2 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.12	0.08	0.06	0.06	0.07	0.05	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.12	0.09	0.07	0.07	0.07	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.09	0.06	0.02	0.03	0.12	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.06	0.06	0.07	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.09	0.07	0.04	0.04	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.10	0.09	0.10	0.09	0.08	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.08	0.06	0.06	0.07	0.06	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.07	0.08	0.07	0.06	0.07	0.11	0.14
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.12	0.11	0.13	0.10	0.08	0.09	0.08	0.08	0.08	0.09	0.12	0.12
CRMS 0258	0.12	0.11	0.12	0.10	0.06	0.05	0.05	0.01	0.01	0.01	0.10	0.14
CRMS 0224	0.11	0.10	0.12	0.11	0.07	0.08	0.08	0.03	0.02	0.02	0.10	0.13
CRMS 0163	0.10	0.10	0.12	0.11	0.10	0.09	0.06	0.03	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	-0.02	0.06	0.08	0.10	0.08	0.07	0.07	0.06	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.06	-0.01	0.07	0.09	0.10	0.09	0.06	0.01	0.03	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.03	0.04	0.04	0.01	-0.03	-0.01	0.01	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.05	0.07	0.08	0.05	0.02	-0.02	0.00	0.03	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.05	0.06	0.07	0.04	0.02	-0.01	0.00	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	0.02	0.03	0.05	0.05	0.04	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.02	-0.04	0.01	0.01	0.02	0.02	0.01	-0.02	-0.02	0.00	0.03	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.00	0.00	0.00	-0.03	-0.03	0.00	0.02	0.03	0.01
CRMS 0258	-0.03	-0.02	0.01	0.07	0.05	0.05	0.04	0.01	0.00	0.00	0.02	0.02
CRMS 0224	-0.04	-0.03	0.02	0.07	0.07	0.08	0.08	0.02	0.00	0.01	0.03	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 104 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.16	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.08	0.04	0.04	0.07	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.08	0.05	0.06	0.05	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.06	0.07	0.09	0.08	0.07	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.05	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.03	0.04	0.07	0.08	0.09	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.06	0.07	0.10	0.12	0.10	0.08	0.09	0.08
CRMS 0258	0.14	0.14	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.08	0.07	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.09	0.08	0.07	0.08	0.05

V3PR6 HYST - cy 2 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.08	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.07	0.07	0.06	0.09	0.08	0.04	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.07	0.05	0.07	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.11	0.05	0.08	0.08	0.16	0.12	0.03	0.02	0.03	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.11	0.05	0.07	0.08	0.12	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.15	0.12	0.05	0.04	0.05	0.10	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.06	0.08	0.08	0.15	0.11	0.07	0.06	0.06	0.09	0.06
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.07	0.06	0.07	0.08	0.08	0.05	0.05	0.05	0.09	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.06	0.07	0.09	0.09	0.07	0.06	0.07	0.11	0.08
HWQ16 - Bayou Grand Liard	0.06	0.08	0.06	0.07	0.07	0.10	0.09	0.08	0.07	0.06	0.05	0.06
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.12	0.10	0.09	0.09	0.10	0.12	0.07
CRMS 0258	0.11	0.13	0.07	0.09	0.08	0.11	0.06	0.01	0.01	0.01	0.10	0.07
CRMS 0224	0.09	0.12	0.07	0.09	0.08	0.15	0.09	0.01	0.02	0.02	0.10	0.06
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.15	0.06	0.03	0.09	0.08	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.09	0.16	0.13	0.10	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.08	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.01	0.03	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	-0.06	0.05	0.08	0.15	0.12	0.02	0.01	0.02	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.04	0.03	0.05	0.10	0.04	-0.04	-0.02	0.01	0.03	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	-0.04	0.04	0.07	0.13	0.08	0.00	-0.01	0.00	0.03	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.03	0.04	0.06	0.12	0.06	0.01	-0.01	0.00	0.03	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.05	0.07	0.05	0.01	-0.01	0.00	0.02	-0.02
HWQ14 - Lake Washington	-0.03	-0.01	-0.02	0.03	0.04	0.05	0.03	-0.01	-0.03	0.00	0.03	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.01	-0.02	0.02	0.02	0.05	-0.01	-0.03	0.00	0.02	0.03	0.00
CRMS 0258	-0.03	-0.01	-0.01	0.05	0.07	0.11	0.05	0.00	0.00	0.00	0.02	-0.02
CRMS 0224	-0.03	-0.01	-0.03	0.06	0.08	0.14	0.08	0.01	0.00	0.01	0.02	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 105 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.15	0.11	0.04	0.01	0.01	0.01	0.04	0.02	0.01	0.07	0.08
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.07	0.04	0.03	0.04	0.07	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.04	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.15	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.12	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.11	0.13	0.09	0.04	0.01	0.01	0.03	0.05	0.06	0.04	0.07	0.08
HWQ14 - Lake Washington	0.13	0.15	0.11	0.05	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.10
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.03	0.07	0.05	0.06	0.06
CRMS 3985	0.12	0.13	0.12	0.09	0.08	0.08	0.11	0.10	0.08	0.07	0.07	0.09
CRMS 0258	0.12	0.12	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.07	0.09
CRMS 0224	0.12	0.13	0.09	0.04	0.01	0.01	0.01	0.01	0.03	0.01	0.07	0.09
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.06	0.07	0.05	0.06	0.07

V3PR7 HYST - cy 2 - 1985 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.08	0.08	0.11	0.10	0.09	0.09	0.08	0.07	0.06	0.05	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.10	0.09	0.09	0.06	0.04	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.05	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.10	0.09	0.12	0.11	0.05	0.03	0.01	0.02	0.03	0.06	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.10	0.09	0.12	0.11	0.06	0.05	0.07	0.08	0.07	0.06	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.09	0.09	0.12	0.11	0.06	0.04	0.04	0.05	0.05	0.06	0.07
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.09	0.12	0.10	0.05	0.05	0.05	0.07	0.06	0.06	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.09	0.09	0.06	0.03	0.04	0.03	0.06	0.05	0.07	0.07
HWQ14 - Lake Washington	0.10	0.11	0.10	0.09	0.07	0.05	0.06	0.07	0.08	0.07	0.08	0.07
HWQ16 - Bayou Grand Liard	0.08	0.09	0.09	0.09	0.08	0.06	0.06	0.04	0.07	0.06	0.06	0.06
CRMS 3985	0.10	0.11	0.10	0.11	0.09	0.06	0.08	0.11	0.09	0.09	0.08	0.07
CRMS 0258	0.09	0.10	0.10	0.12	0.06	0.01	0.01	0.01	0.01	0.01	0.06	0.07
CRMS 0224	0.09	0.10	0.09	0.12	0.07	0.02	0.01	0.01	0.03	0.02	0.06	0.07
CRMS 0163	0.09	0.09	0.09	0.12	0.11	0.07	0.02	0.02	0.08	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.07	0.07	0.06	0.06	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.07	0.10	0.08	0.07	0.04	0.06	0.05	-0.02	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.02	0.08	0.10	0.05	0.02	0.00	0.01	0.02	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.04	-0.03	0.05	0.06	-0.01	-0.03	-0.02	0.01	0.02	-0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	-0.01	0.07	0.09	0.03	0.00	-0.03	0.00	0.01	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.00	0.06	0.08	0.03	0.01	-0.01	0.00	0.01	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.05	0.05	0.02	0.01	-0.01	0.00	0.01	0.00	-0.01
HWQ14 - Lake Washington	-0.04	-0.03	-0.01	0.03	0.03	0.00	-0.01	-0.03	0.01	0.01	0.00	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.03	0.02	0.01	-0.02	-0.03	0.02	0.01	0.02	0.01	-0.02
CRMS 0258	-0.03	-0.02	0.00	0.08	0.05	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02
CRMS 0224	-0.03	-0.03	0.01	0.09	0.07	0.01	0.00	-0.01	0.00	0.01	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00

Figure WQ PO4 106 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.04	0.01	0.01	0.02	0.04	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.04	0.04	0.06	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.04	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.04	0.06	0.10
HWQ14 - Lake Washington	0.12	0.13	0.11	0.06	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.07	0.07	0.06	0.05	0.07	0.05	0.04	0.06
CRMS 3985	0.10	0.12	0.12	0.09	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.09
CRMS 0258	0.13	0.11	0.10	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.12	0.09	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.06	0.07	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.06	0.03	0.07	0.06

V3PR7 HYST - cy 2 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.08	0.09	0.08	0.07	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.06	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.10	0.10	0.06	0.04	0.04	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.09	0.10	0.13	0.06	0.02	0.02	0.02	0.03	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.06	0.06	0.08	0.08	0.08	0.11	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.04	0.05	0.05	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.13	0.06	0.04	0.06	0.07	0.06	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.08	0.08	0.04	0.03	0.04	0.07	0.05	0.09	0.09
HWQ14 - Lake Washington	0.10	0.09	0.10	0.08	0.08	0.06	0.06	0.07	0.08	0.08	0.11	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.10	0.09	0.09	0.08	0.06	0.06	0.07	0.06	0.05	0.07
CRMS 3985	0.09	0.09	0.10	0.11	0.12	0.08	0.09	0.11	0.10	0.10	0.11	0.09
CRMS 0258	0.09	0.09	0.10	0.11	0.11	0.01	0.01	0.01	0.01	0.01	0.10	0.09
CRMS 0224	0.09	0.08	0.10	0.11	0.13	0.02	0.01	0.01	0.03	0.03	0.09	0.09
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.08	0.02	0.02	0.08	0.07	0.07	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.09	0.08	0.08	0.06	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.01	0.06	0.12	0.11	0.07	0.05	0.06	0.06	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.01	0.07	0.13	0.05	0.02	0.00	0.01	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.04	0.08	0.00	-0.03	-0.02	0.02	0.02	0.03	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.05	0.00	0.06	0.11	0.03	-0.01	-0.02	0.00	0.01	0.03	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.05	0.10	0.04	0.00	-0.01	0.00	0.01	0.03	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.01	0.04	0.07	0.03	0.00	-0.01	0.01	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.03	0.05	0.01	-0.01	-0.02	0.01	0.02	0.03	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.01	0.00	0.01	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.01	0.02	0.04	0.00	-0.02	0.02	0.02	0.03	0.03	0.00
CRMS 0258	-0.04	-0.03	0.01	0.07	0.10	0.00	0.00	0.00	0.00	0.00	0.02	0.00
CRMS 0224	-0.04	-0.04	0.02	0.08	0.12	0.01	0.00	0.00	0.01	0.02	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.03	0.00	0.00

Figure WQ PO4 107 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.10	0.04	0.01	0.01	0.03	0.03	0.02	0.02	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.02	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.05	0.04	0.06	0.06	0.06	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.03	0.01	0.01	0.04	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.03	0.05	0.07	0.07	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.05	0.07
CRMS 3985	0.10	0.10	0.09	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.08	0.10
CRMS 0224	0.14	0.11	0.08	0.03	0.01	0.01	0.01	0.02	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

V3PR7 HYST - cy 2 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.09	0.09	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.05	0.04	0.03	0.02	0.04	0.06	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.03	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.07	0.08	0.07	0.06	0.02	0.02	0.02	0.02	0.02	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.06	0.06	0.04	0.07	0.09	0.09	0.07	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.06	0.07	0.05	0.06	0.02	0.04	0.04	0.05	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.07	0.05	0.06	0.02	0.04	0.05	0.07	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.06	0.04	0.03	0.01	0.03	0.04	0.07	0.05	0.08	0.10
HWQ14 - Lake Washington	0.13	0.08	0.08	0.04	0.04	0.04	0.07	0.08	0.09	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.10	0.08	0.09	0.05	0.06	0.06	0.10	0.13	0.11	0.09	0.09	0.10
CRMS 0258	0.13	0.07	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS 0224	0.12	0.07	0.07	0.04	0.02	0.01	0.01	0.01	0.03	0.02	0.08	0.10
CRMS 0163	0.06	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.05	0.02	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.05	0.03	0.06	0.06	0.05	0.06	0.07	0.03	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	-0.02	0.04	0.06	0.02	0.01	0.00	0.01	0.01	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.05	-0.01	0.00	0.02	-0.01	0.01	0.02	0.02	0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.01	0.04	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.04	-0.01	0.01	0.04	0.00	-0.01	0.00	0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.00	0.02	0.00	-0.01	0.00	0.02	0.01	0.01	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.00	0.01	0.00	0.00	0.01	0.02	0.02	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00
CRMS 3985	0.00	-0.02	0.00	0.00	0.01	0.00	0.03	0.05	0.03	0.02	0.01	0.00
CRMS 0258	-0.01	-0.02	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	-0.02	-0.01	0.00
CRMS 0224	-0.01	-0.04	-0.02	0.01	0.02	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00	0.00	0.00

Figure WQ PO4 108 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.12	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.04	0.05	0.07	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.07	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.08	0.09	0.07	0.06	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.14	0.11	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.07	0.04	0.05	0.07	0.09	0.08	0.06	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.08	0.08	0.11	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.15	0.13	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.10	0.08	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

V3PR7 HYST - cy 2 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.12	0.08	0.06	0.06	0.07	0.05	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.12	0.09	0.07	0.07	0.07	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.10	0.06	0.02	0.03	0.12	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.06	0.06	0.07	0.12	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.09	0.07	0.04	0.04	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.10	0.09	0.10	0.09	0.08	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.08	0.06	0.06	0.07	0.06	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.07	0.08	0.07	0.06	0.07	0.11	0.14
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.12	0.11	0.13	0.10	0.08	0.09	0.08	0.08	0.08	0.09	0.12	0.12
CRMS 0258	0.12	0.11	0.12	0.10	0.06	0.05	0.05	0.01	0.01	0.01	0.10	0.14
CRMS 0224	0.11	0.10	0.12	0.11	0.07	0.08	0.08	0.03	0.02	0.02	0.10	0.13
CRMS 0163	0.10	0.10	0.12	0.11	0.10	0.09	0.06	0.03	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	-0.02	0.06	0.08	0.10	0.08	0.07	0.07	0.06	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.00	0.00	0.00	0.00	0.02	0.00	0.00	0.00	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.01	0.08	0.09	0.10	0.09	0.06	0.01	0.03	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.03	0.04	0.04	0.01	-0.03	-0.01	0.01	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.05	0.07	0.08	0.05	0.02	-0.02	0.00	0.03	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.05	0.06	0.07	0.04	0.02	-0.01	0.00	0.03	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	0.02	0.03	0.05	0.05	0.04	0.01	-0.02	0.00	0.03	0.02
HWQ14 - Lake Washington	-0.02	-0.04	0.01	0.01	0.02	0.02	0.01	-0.02	-0.02	0.00	0.03	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.02	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.00	0.00	0.00	-0.03	-0.03	0.00	0.02	0.03	0.01
CRMS 0258	-0.03	-0.02	0.01	0.07	0.05	0.04	0.04	0.01	0.00	0.00	0.02	0.02
CRMS 0224	-0.04	-0.03	0.02	0.07	0.07	0.08	0.08	0.02	0.00	0.01	0.03	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 109 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.16	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.08	0.04	0.04	0.07	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.08	0.05	0.06	0.05	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.06	0.07	0.09	0.08	0.07	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.05	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.03	0.04	0.07	0.08	0.09	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.06	0.07	0.10	0.12	0.10	0.08	0.09	0.08
CRMS 0258	0.14	0.14	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.08	0.07	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.09	0.08	0.07	0.08	0.05

V3PR7 HYST - cy 2 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.08	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.07	0.07	0.06	0.09	0.08	0.04	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.07	0.05	0.07	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.12	0.06	0.08	0.08	0.16	0.12	0.03	0.02	0.03	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.11	0.05	0.07	0.07	0.11	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.12	0.06	0.08	0.08	0.15	0.12	0.05	0.04	0.05	0.10	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.06	0.08	0.08	0.15	0.11	0.07	0.06	0.06	0.09	0.06
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.07	0.06	0.07	0.08	0.08	0.05	0.05	0.04	0.09	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.06	0.07	0.09	0.09	0.07	0.07	0.07	0.11	0.08
HWQ16 - Bayou Grand Liard	0.06	0.08	0.06	0.07	0.07	0.10	0.09	0.08	0.07	0.06	0.05	0.06
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.12	0.10	0.09	0.09	0.10	0.12	0.07
CRMS 0258	0.11	0.13	0.07	0.09	0.08	0.11	0.05	0.01	0.01	0.01	0.10	0.07
CRMS 0224	0.09	0.12	0.07	0.09	0.08	0.14	0.09	0.01	0.02	0.02	0.09	0.06
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.15	0.06	0.03	0.09	0.08	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.09	0.16	0.13	0.10	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.08	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.01	0.03	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	-0.06	0.05	0.08	0.15	0.12	0.02	0.01	0.02	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.04	0.03	0.05	0.10	0.04	-0.03	-0.02	0.01	0.02	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.04	0.07	0.13	0.08	0.00	-0.01	0.00	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.03	0.04	0.06	0.12	0.07	0.01	-0.01	0.00	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.05	0.07	0.05	0.01	-0.01	0.00	0.02	-0.02
HWQ14 - Lake Washington	-0.03	-0.01	-0.02	0.03	0.04	0.05	0.03	-0.01	-0.02	0.00	0.02	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.01	-0.02	0.02	0.02	0.05	-0.01	-0.03	-0.01	0.02	0.03	0.00
CRMS 0258	-0.03	-0.01	-0.01	0.05	0.07	0.10	0.05	0.00	0.00	0.00	0.01	-0.02
CRMS 0224	-0.03	-0.01	-0.03	0.06	0.08	0.14	0.08	0.01	0.00	0.01	0.02	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 110 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.15	0.11	0.04	0.01	0.01	0.01	0.04	0.02	0.01	0.07	0.08
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.07	0.04	0.03	0.04	0.07	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.04	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.15	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.12	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.11	0.13	0.09	0.04	0.01	0.01	0.03	0.05	0.06	0.04	0.07	0.08
HWQ14 - Lake Washington	0.13	0.15	0.11	0.05	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.10
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.03	0.07	0.05	0.06	0.06
CRMS 3985	0.12	0.13	0.12	0.09	0.08	0.08	0.11	0.10	0.08	0.07	0.07	0.09
CRMS 0258	0.12	0.12	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.07	0.09
CRMS 0224	0.12	0.13	0.09	0.04	0.01	0.01	0.01	0.01	0.03	0.01	0.07	0.09
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.06	0.07	0.05	0.06	0.07

V3PR8 HYST - cy 2 - 1985 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.08	0.08	0.11	0.10	0.09	0.09	0.08	0.07	0.06	0.05	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.10	0.09	0.09	0.06	0.03	0.03	0.04	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.08	0.07	0.03	0.02	0.02	0.01	0.05	0.03	0.06	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.10	0.09	0.12	0.11	0.05	0.03	0.01	0.02	0.03	0.06	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.10	0.09	0.12	0.11	0.06	0.05	0.07	0.08	0.07	0.06	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.09	0.09	0.12	0.11	0.06	0.04	0.03	0.05	0.05	0.06	0.07
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.09	0.12	0.10	0.05	0.05	0.05	0.07	0.06	0.06	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.09	0.09	0.06	0.03	0.04	0.03	0.07	0.05	0.07	0.07
HWQ14 - Lake Washington	0.10	0.11	0.10	0.09	0.07	0.05	0.06	0.07	0.08	0.08	0.08	0.07
HWQ16 - Bayou Grand Liard	0.08	0.09	0.09	0.09	0.08	0.06	0.06	0.04	0.07	0.05	0.06	0.06
CRMS 3985	0.10	0.11	0.10	0.11	0.09	0.06	0.08	0.11	0.09	0.09	0.08	0.07
CRMS 0258	0.09	0.10	0.09	0.12	0.06	0.01	0.01	0.00	0.01	0.01	0.06	0.07
CRMS 0224	0.09	0.10	0.09	0.12	0.07	0.02	0.01	0.01	0.04	0.03	0.06	0.07
CRMS 0163	0.09	0.09	0.09	0.12	0.11	0.06	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.09	0.09	0.07	0.07	0.06	0.06	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.02	0.07	0.10	0.08	0.07	0.04	0.06	0.05	-0.02	-0.02
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.01	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.00	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.02	0.08	0.10	0.05	0.02	0.00	0.01	0.02	-0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.04	-0.03	0.05	0.06	-0.01	-0.03	-0.02	0.01	0.02	-0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	-0.01	0.07	0.09	0.03	0.00	-0.03	0.00	0.01	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.00	0.06	0.08	0.03	0.01	-0.01	0.00	0.01	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.05	0.05	0.02	0.01	-0.02	0.00	0.01	0.00	-0.01
HWQ14 - Lake Washington	-0.04	-0.03	-0.01	0.03	0.03	0.00	-0.01	-0.03	0.01	0.02	0.00	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.03	0.02	0.01	-0.02	-0.03	0.02	0.01	0.02	0.01	-0.02
CRMS 0258	-0.03	-0.02	0.00	0.08	0.05	0.01	0.00	0.00	0.00	0.00	-0.01	-0.02
CRMS 0224	-0.03	-0.03	0.01	0.09	0.07	0.01	0.00	-0.01	0.01	0.02	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02	0.00	0.00

Figure WQ PO4 111 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.04	0.01	0.01	0.02	0.04	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.04	0.04	0.06	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.04	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.04	0.06	0.10
HWQ14 - Lake Washington	0.12	0.13	0.11	0.06	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.07	0.07	0.06	0.05	0.07	0.05	0.04	0.06
CRMS 3985	0.10	0.12	0.12	0.09	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.09
CRMS 0258	0.13	0.11	0.10	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.12	0.09	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.06	0.07	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.06	0.03	0.07	0.06

V3PR8 HYST - cy 2 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.08	0.08	0.04	0.03	0.04	0.08	0.05	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.09	0.07	0.06	0.03	0.02	0.01	0.04	0.02	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.09	0.10	0.13	0.06	0.03	0.02	0.02	0.03	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.06	0.06	0.08	0.09	0.08	0.11	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.04	0.05	0.05	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.13	0.06	0.04	0.06	0.07	0.06	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.08	0.08	0.04	0.02	0.04	0.07	0.05	0.09	0.09
HWQ14 - Lake Washington	0.10	0.09	0.10	0.09	0.09	0.06	0.07	0.08	0.08	0.08	0.11	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.08	0.06	0.05	0.07	0.05	0.05	0.07
CRMS 3985	0.09	0.09	0.10	0.11	0.12	0.08	0.09	0.11	0.10	0.10	0.11	0.09
CRMS 0258	0.09	0.09	0.10	0.11	0.11	0.01	0.01	0.00	0.01	0.01	0.10	0.08
CRMS 0224	0.09	0.08	0.10	0.11	0.13	0.02	0.01	0.01	0.03	0.03	0.10	0.09
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.06	0.06	0.06
CRMS 0162	0.08	0.08	0.10	0.11	0.14	0.10	0.09	0.08	0.08	0.06	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.07	-0.01	0.06	0.12	0.11	0.07	0.05	0.06	0.06	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.01	0.07	0.13	0.05	0.02	0.00	0.01	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.04	0.08	0.00	-0.03	-0.01	0.02	0.03	0.03	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.05	0.00	0.06	0.11	0.03	-0.01	-0.03	0.00	0.01	0.03	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.05	0.10	0.04	0.00	-0.01	0.00	0.01	0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.04	0.07	0.03	0.00	-0.01	0.01	0.02	0.02	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.03	0.05	0.01	0.00	-0.02	0.01	0.02	0.03	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.01	0.00	0.00	0.01	0.00
CRMS 3985	-0.01	-0.03	-0.01	0.02	0.04	0.00	-0.02	0.02	0.02	0.03	0.03	0.00
CRMS 0258	-0.04	-0.03	0.01	0.07	0.11	0.00	0.00	0.00	0.00	0.00	0.02	-0.01
CRMS 0224	-0.04	-0.04	0.02	0.08	0.12	0.01	0.00	0.00	0.01	0.02	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.02	0.00	0.00

Figure WQ PO4 112 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.10	0.04	0.01	0.01	0.03	0.03	0.02	0.02	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.02	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.05	0.04	0.06	0.06	0.06	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.03	0.01	0.01	0.04	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.03	0.05	0.07	0.07	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.05	0.07
CRMS 3985	0.10	0.10	0.09	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.08	0.10
CRMS 0224	0.14	0.11	0.08	0.03	0.01	0.01	0.01	0.02	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

V3PR8 HYST - cy 2 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.09	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.03	0.03	0.07	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.06	0.06	0.04	0.03	0.02	0.01	0.01	0.02	0.04	0.06	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.07	0.08	0.07	0.06	0.02	0.02	0.02	0.02	0.02	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.06	0.06	0.05	0.07	0.09	0.09	0.08	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.06	0.07	0.05	0.06	0.02	0.04	0.04	0.05	0.05	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.07	0.05	0.06	0.02	0.04	0.05	0.06	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.07	0.04	0.03	0.01	0.03	0.04	0.07	0.05	0.08	0.10
HWQ14 - Lake Washington	0.13	0.08	0.09	0.04	0.04	0.04	0.07	0.09	0.10	0.08	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.02	0.05	0.04	0.05	0.07
CRMS 3985	0.10	0.08	0.10	0.05	0.05	0.07	0.10	0.13	0.11	0.09	0.09	0.10
CRMS 0258	0.14	0.07	0.08	0.03	0.01	0.00	0.01	0.01	0.01	0.02	0.08	0.10
CRMS 0224	0.12	0.07	0.07	0.04	0.02	0.01	0.01	0.01	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.06	0.07	0.06	0.03	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.05	0.02	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.08	-0.05	0.03	0.06	0.06	0.05	0.06	0.07	0.03	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.02	-0.02	-0.02	-0.02	-0.01	-0.02	-0.01	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	-0.02	0.04	0.06	0.02	0.01	0.00	0.01	0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.05	-0.01	0.00	0.02	-0.01	0.01	0.03	0.02	0.02	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.01	0.04	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.04	-0.01	0.01	0.04	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.00	0.02	0.00	-0.01	0.00	0.02	0.01	0.01	0.01
HWQ14 - Lake Washington	0.00	-0.05	-0.01	0.00	0.01	0.00	0.00	0.02	0.03	0.02	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.02	0.00	0.00	0.01	0.00	0.03	0.05	0.02	0.02	0.01	0.00
CRMS 0258	-0.01	-0.03	-0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.01	-0.04	-0.02	0.01	0.01	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.00	0.00	0.00

Figure WQ PO4 113 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.12	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.04	0.05	0.07	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.07	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.08	0.09	0.07	0.06	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.14	0.11	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.07	0.04	0.05	0.07	0.09	0.08	0.06	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.08	0.08	0.11	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.15	0.13	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.10	0.08	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

V3PR8 HYST - cy 2 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.07	0.06	0.06	0.07	0.06	0.07	0.07	0.05	0.05
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.10	0.06	0.03	0.04	0.03	0.03	0.05	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.10	0.06	0.02	0.03	0.12	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.06	0.06	0.07	0.12	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.09	0.07	0.04	0.04	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.10	0.09	0.10	0.09	0.08	0.06	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.08	0.06	0.06	0.07	0.06	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.07	0.08	0.07	0.06	0.07	0.11	0.13
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.11	0.11	0.13	0.10	0.08	0.09	0.08	0.08	0.08	0.09	0.12	0.10
CRMS 0258	0.11	0.11	0.12	0.11	0.06	0.05	0.05	0.01	0.01	0.01	0.10	0.13
CRMS 0224	0.11	0.10	0.12	0.11	0.07	0.08	0.08	0.03	0.02	0.02	0.10	0.13
CRMS 0163	0.10	0.10	0.12	0.11	0.09	0.08	0.04	0.03	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	-0.02	0.06	0.08	0.10	0.08	0.07	0.07	0.06	0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.00	-0.01	0.00	0.00	0.03	0.01	0.00	0.01	-0.02	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.04	-0.04	-0.03	-0.04	-0.04	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.01	0.08	0.09	0.10	0.09	0.06	0.01	0.03	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.03	0.04	0.04	0.01	-0.03	-0.01	0.01	0.03	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.05	0.07	0.08	0.05	0.02	-0.02	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.05	0.06	0.07	0.04	0.02	-0.01	0.00	0.02	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	0.02	0.03	0.05	0.05	0.04	0.01	-0.02	0.00	0.02	0.02
HWQ14 - Lake Washington	-0.02	-0.04	0.01	0.01	0.03	0.02	0.01	-0.02	-0.02	0.01	0.03	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	-0.03	-0.02	0.00	0.00	0.00	-0.03	-0.03	0.00	0.02	0.02	-0.01
CRMS 0258	-0.03	-0.03	0.01	0.07	0.05	0.05	0.05	0.01	0.00	0.00	0.02	0.01
CRMS 0224	-0.04	-0.03	0.02	0.07	0.07	0.08	0.08	0.02	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.04	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 114 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.16	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.08	0.04	0.04	0.07	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.08	0.05	0.06	0.05	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.06	0.07	0.09	0.08	0.07	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.05	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.03	0.04	0.07	0.08	0.09	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.06	0.07	0.10	0.12	0.10	0.08	0.09	0.08
CRMS 0258	0.14	0.14	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.08	0.07	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.09	0.08	0.07	0.08	0.05

V3PR8 HYST - cy 2 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.08	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.05	0.07	0.06	0.08	0.08	0.04	0.07	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.06	0.06	0.06	0.07	0.04	0.02	0.05	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.12	0.06	0.08	0.08	0.16	0.12	0.03	0.02	0.03	0.11	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.11	0.05	0.07	0.08	0.11	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.12	0.06	0.08	0.08	0.15	0.12	0.04	0.04	0.04	0.09	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.06	0.08	0.08	0.15	0.11	0.07	0.06	0.05	0.08	0.06
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.07	0.06	0.07	0.08	0.08	0.05	0.05	0.04	0.09	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.07	0.07	0.09	0.09	0.07	0.07	0.08	0.11	0.08
HWQ16 - Bayou Grand Liard	0.06	0.08	0.06	0.07	0.07	0.10	0.09	0.08	0.07	0.06	0.05	0.06
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.12	0.09	0.09	0.09	0.10	0.11	0.07
CRMS 0258	0.10	0.13	0.07	0.09	0.08	0.11	0.06	0.01	0.01	0.01	0.10	0.07
CRMS 0224	0.09	0.12	0.07	0.09	0.08	0.15	0.09	0.01	0.02	0.03	0.10	0.06
CRMS 0163	0.07	0.07	0.06	0.08	0.09	0.15	0.05	0.03	0.08	0.07	0.07	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.09	0.16	0.13	0.10	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.08	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	-0.01	0.00	-0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.02	-0.02	-0.04	-0.04	-0.03	-0.02	-0.02	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	-0.06	0.05	0.08	0.15	0.12	0.02	0.01	0.02	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.04	0.03	0.05	0.10	0.03	-0.04	-0.02	0.01	0.02	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.04	0.07	0.13	0.08	0.00	-0.01	0.00	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.03	0.04	0.06	0.12	0.07	0.01	-0.01	0.00	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.05	0.07	0.05	0.01	-0.01	0.00	0.02	-0.02
HWQ14 - Lake Washington	-0.03	-0.01	-0.02	0.03	0.04	0.05	0.02	-0.01	-0.02	0.00	0.03	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.00
CRMS 3985	-0.01	-0.01	-0.02	0.02	0.02	0.05	-0.01	-0.03	0.00	0.02	0.03	0.00
CRMS 0258	-0.03	-0.01	-0.01	0.05	0.07	0.11	0.05	0.00	0.00	0.00	0.02	-0.02
CRMS 0224	-0.03	-0.01	-0.03	0.06	0.08	0.14	0.09	0.01	0.00	0.02	0.02	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 115 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.15	0.11	0.04	0.01	0.01	0.01	0.04	0.02	0.01	0.07	0.08
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.07	0.04	0.03	0.04	0.07	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.09	0.09	0.11	0.07	0.05	0.04	0.03	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.15	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.12	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.11	0.13	0.09	0.04	0.01	0.01	0.03	0.05	0.06	0.04	0.07	0.08
HWQ14 - Lake Washington	0.13	0.15	0.11	0.05	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.10
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.03	0.07	0.05	0.06	0.06
CRMS 3985	0.12	0.13	0.12	0.09	0.08	0.08	0.11	0.10	0.08	0.07	0.07	0.09
CRMS 0258	0.12	0.12	0.09	0.04	0.01	0.00	0.00	0.01	0.01	0.01	0.07	0.09
CRMS 0224	0.12	0.13	0.09	0.04	0.01	0.01	0.01	0.01	0.03	0.01	0.07	0.09
CRMS 0163	0.09	0.09	0.09	0.12	0.12	0.07	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.06	0.07	0.05	0.06	0.07

V3PR9 HYST - cy 2 - 1985 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.15	0.11	0.04	0.01	0.01	0.02	0.05	0.02	0.01	0.07	0.08
CRMS0276 - Just east of Wilkinson Canal	0.09	0.10	0.09	0.09	0.06	0.04	0.04	0.04	0.08	0.05	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.09	0.07	0.03	0.02	0.02	0.01	0.05	0.03	0.06	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.16	0.11	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.12	0.07	0.05	0.06	0.09	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.14	0.10	0.05	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.12	0.09	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.06	0.08
USGS073802516 Barataria Pass at Grand Isle	0.11	0.13	0.09	0.04	0.01	0.01	0.03	0.05	0.06	0.04	0.07	0.08
HWQ14 - Lake Washington	0.13	0.15	0.11	0.06	0.04	0.06	0.08	0.11	0.07	0.06	0.08	0.10
HWQ16 - Bayou Grand Liard	0.08	0.09	0.08	0.08	0.07	0.06	0.06	0.03	0.06	0.04	0.05	0.06
CRMS 3985	0.12	0.13	0.12	0.09	0.08	0.08	0.11	0.10	0.08	0.07	0.08	0.09
CRMS 0258	0.12	0.12	0.10	0.04	0.01	0.01	0.00	0.00	0.01	0.01	0.07	0.09
CRMS 0224	0.13	0.13	0.09	0.03	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.09
CRMS 0163	0.09	0.09	0.09	0.12	0.11	0.06	0.02	0.02	0.07	0.06	0.06	0.07
CRMS 0162	0.08	0.08	0.09	0.12	0.11	0.08	0.09	0.06	0.07	0.06	0.06	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.00	-0.04	-0.04	-0.03	-0.02	-0.02	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 116 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.14	0.11	0.04	0.01	0.01	0.02	0.04	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.08	0.05	0.03	0.04	0.06	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.10	0.06	0.04	0.04	0.06	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.05	0.06	0.08	0.09	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.03	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.04	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.04	0.06	0.10
HWQ14 - Lake Washington	0.12	0.13	0.11	0.06	0.04	0.05	0.07	0.10	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.07	0.07	0.06	0.05	0.07	0.05	0.04	0.06
CRMS 3985	0.10	0.12	0.12	0.09	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.09
CRMS 0258	0.13	0.11	0.10	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.12	0.09	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.02	0.02	0.07	0.06	0.07	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.14	0.10	0.09	0.07	0.06	0.03	0.07	0.06

V3PR9 HYST - cy 2 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.11	0.04	0.01	0.01	0.02	0.04	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.08	0.07	0.05	0.03	0.05	0.08	0.05	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.10	0.07	0.06	0.03	0.01	0.01	0.04	0.02	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.15	0.11	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.07	0.05	0.06	0.09	0.09	0.07	0.06	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.04	0.07	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.01	0.02	0.05	0.06	0.04	0.06	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.06	0.04	0.05	0.08	0.10	0.08	0.06	0.08	0.10
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.07	0.07	0.07	0.06	0.05	0.07	0.04	0.04	0.06
CRMS 3985	0.10	0.12	0.10	0.08	0.07	0.08	0.11	0.10	0.08	0.07	0.09	0.07
CRMS 0258	0.13	0.12	0.10	0.04	0.01	0.00	0.01	0.00	0.01	0.01	0.07	0.08
CRMS 0224	0.13	0.12	0.09	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.07	0.10
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.07	0.01	0.02	0.07	0.06	0.06	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.10	0.08	0.07	0.07	0.05	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.02	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.04	-0.04	-0.03	-0.03	-0.02	-0.02	-0.03	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 3985	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0224	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00	0.00

Figure WQ PO4 117 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.10	0.04	0.01	0.01	0.03	0.03	0.02	0.02	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.04	0.04	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.02	0.02	0.04	0.05	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.05	0.04	0.06	0.06	0.06	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.03	0.01	0.01	0.04	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.03	0.05	0.07	0.07	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.05	0.07
CRMS 3985	0.10	0.10	0.09	0.06	0.05	0.06	0.07	0.08	0.08	0.07	0.08	0.09
CRMS 0258	0.15	0.10	0.09	0.03	0.01	0.00	0.00	0.01	0.01	0.02	0.08	0.10
CRMS 0224	0.14	0.11	0.08	0.03	0.01	0.01	0.01	0.02	0.03	0.02	0.08	0.11
CRMS 0163	0.07	0.06	0.06	0.07	0.07	0.04	0.01	0.02	0.06	0.06	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

V3PR9 HYST - cy 2 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.11	0.04	0.01	0.01	0.03	0.03	0.02	0.02	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.05	0.05	0.04	0.03	0.04	0.06	0.05	0.04	0.07
Barataria Waterway at Lafitte (USACE82875)	0.08	0.06	0.06	0.04	0.03	0.02	0.01	0.01	0.02	0.03	0.06	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.11	0.03	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.10	0.05	0.03	0.05	0.06	0.06	0.07	0.06	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.05	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.04	0.01	0.02	0.05	0.05	0.06	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.03	0.01	0.01	0.04	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.04	0.03	0.05	0.07	0.07	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.04	0.06
CRMS 3985	0.10	0.10	0.09	0.06	0.05	0.06	0.07	0.07	0.08	0.07	0.08	0.09
CRMS 0258	0.15	0.10	0.10	0.03	0.01	0.00	0.01	0.01	0.01	0.04	0.08	0.09
CRMS 0224	0.14	0.11	0.09	0.03	0.01	0.01	0.01	0.03	0.03	0.03	0.08	0.10
CRMS 0163	0.07	0.06	0.06	0.07	0.06	0.03	0.01	0.02	0.05	0.05	0.06	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.07	0.06	0.06	0.03	0.02	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	-0.01	-0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.02	-0.03	-0.02	-0.02	-0.01	-0.02	-0.01	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0258	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.00	-0.01
CRMS 0224	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 118 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.12	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.04	0.05	0.07	0.06	0.06	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.10	0.11	0.10	0.07	0.07	0.08	0.06	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.15	0.13	0.08	0.05	0.06	0.08	0.09	0.07	0.06	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.14	0.11	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.02	0.03	0.05	0.06	0.07	0.05	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.07	0.04	0.05	0.07	0.09	0.08	0.06	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.12	0.14	0.14	0.10	0.08	0.08	0.11	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.15	0.13	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.12
CRMS 0224	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.10	0.08	0.04	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

V3PR9 HYST - cy 2 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.12	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.11	0.08	0.06	0.06	0.04	0.05	0.07	0.06	0.04	0.04
Barataria Waterway at Lafitte (USACE82875)	0.10	0.10	0.10	0.06	0.03	0.05	0.04	0.03	0.05	0.04	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.16	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.14	0.13	0.08	0.05	0.07	0.07	0.06	0.07	0.06	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.14	0.11	0.05	0.02	0.03	0.05	0.04	0.04	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.12	0.10	0.05	0.02	0.03	0.06	0.06	0.06	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.13	0.10	0.04	0.01	0.02	0.04	0.04	0.05	0.04	0.06	0.09
HWQ14 - Lake Washington	0.13	0.15	0.12	0.07	0.05	0.06	0.08	0.07	0.07	0.07	0.08	0.10
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.05	0.04	0.05
CRMS 3985	0.12	0.13	0.14	0.10	0.08	0.08	0.09	0.09	0.08	0.08	0.07	0.08
CRMS 0258	0.14	0.13	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.14	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.10	0.10	0.12	0.11	0.09	0.08	0.04	0.03	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	-0.02	-0.03
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	-0.01	-0.04	-0.04	-0.03	-0.04	-0.03	-0.02	-0.02	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	0.00	0.00	-0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.00	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	-0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.01	-0.01	-0.01	0.00	0.00	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00	-0.02	-0.02
CRMS 0258	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02
CRMS 0224	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.03	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 119 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.16	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.08	0.04	0.04	0.07	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.08	0.05	0.06	0.05	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.17	0.12	0.03	0.01	0.00	0.01	0.00	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.06	0.07	0.09	0.08	0.07	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.05	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.04	0.02	0.03	0.05	0.06	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.03	0.04	0.07	0.08	0.09	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.06	0.07	0.10	0.12	0.10	0.08	0.09	0.08
CRMS 0258	0.14	0.14	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.11
CRMS 0163	0.07	0.07	0.06	0.09	0.09	0.16	0.07	0.03	0.08	0.07	0.08	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.09	0.08	0.07	0.08	0.05

V3PR9 HYST - cy 2 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.16	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.05	0.06	0.06	0.07	0.04	0.04	0.08	0.06	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.08	0.08	0.06	0.06	0.06	0.07	0.05	0.02	0.04	0.03	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.04	0.06	0.08	0.09	0.07	0.06	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.02	0.03	0.05	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.03	0.01	0.01	0.03	0.04	0.07	0.04	0.07	0.09
HWQ14 - Lake Washington	0.12	0.13	0.10	0.04	0.03	0.05	0.07	0.09	0.08	0.07	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.05	0.06	0.06	0.08	0.08	0.07	0.07	0.05	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.06	0.07	0.10	0.11	0.09	0.08	0.09	0.09
CRMS 0258	0.14	0.13	0.06	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.08
CRMS 0224	0.13	0.13	0.09	0.03	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.09	0.15	0.05	0.03	0.08	0.07	0.07	0.06
CRMS 0162	0.06	0.07	0.06	0.08	0.08	0.16	0.13	0.09	0.09	0.08	0.08	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.02	0.00	-0.01	-0.01	-0.01	0.00	0.01	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.01	0.00	-0.02	-0.02	-0.03	-0.03	-0.04	-0.02	-0.02	-0.02	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00	0.00	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.02
CRMS 0258	0.00	-0.01	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 120 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.15	0.10	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.02	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.11	0.06	0.03	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.08	0.05	0.03	0.04	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.01	0.02	0.02	0.04	0.06	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.03	0.07	0.05	0.06	0.07
CRMS 3985	0.12	0.12	0.13	0.08	0.06	0.07	0.10	0.10	0.08	0.07	0.09	0.10
CRMS 0258	0.14	0.11	0.09	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.13	0.11	0.09	0.04	0.01	0.01	0.01	0.02	0.03	0.02	0.09	0.12
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.13	0.05	0.04	0.08	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.05	0.07	0.06	0.06

V3PR2 HYST - cy 3 - 2002 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.08	0.10	0.09	0.12	0.10	0.09	0.09	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.08	0.08	0.07	0.07	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.08	0.10	0.10	0.10	0.12	0.03	0.02	0.01	0.01	0.10	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.10	0.09	0.08	0.08	0.06	0.07	0.06	0.05	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.09	0.08	0.07	0.07	0.04	0.04	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.09	0.07	0.07	0.07	0.06	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.08	0.05	0.05	0.04	0.04	0.03	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.10	0.10	0.10	0.06	0.06	0.06	0.06	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.03	0.07	0.05	0.06	0.07
CRMS 3985	0.10	0.10	0.11	0.08	0.07	0.07	0.08	0.10	0.08	0.08	0.09	0.10
CRMS 0258	0.11	0.09	0.10	0.06	0.02	0.03	0.01	0.01	0.01	0.01	0.10	0.12
CRMS 0224	0.10	0.09	0.09	0.06	0.04	0.05	0.02	0.01	0.03	0.02	0.09	0.11
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.12	0.05	0.04	0.08	0.06	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.08	0.04	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.03	0.06	0.09	0.11	0.09	0.08	0.08	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.07	0.00	0.08	0.09	0.12	0.03	0.00	-0.01	0.00	0.02	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.03	0.05	0.03	-0.01	-0.02	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.04	0.06	0.05	0.01	-0.02	-0.01	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.02	0.04	0.04	0.01	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	-0.01	0.01	0.04	0.03	0.01	-0.01	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	-0.03	-0.04	-0.01	0.01	0.03	0.02	0.01	-0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.01	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.01
CRMS 0258	-0.03	-0.01	0.01	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.03	-0.02	0.01	0.03	0.03	0.04	0.01	-0.01	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00

Figure WQ PO4 121 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.14	0.10	0.04	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.09	0.07	0.04	0.05	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.04	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.06	0.03	0.03	0.05	0.06	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.06	0.10
HWQ14 - Lake Washington	0.13	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.04	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.09	0.07	0.08	0.10	0.10	0.08	0.07	0.09	0.09
CRMS 0258	0.13	0.11	0.09	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.11	0.09	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

V3PR2 HYST - cy 3 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.09	0.07	0.04	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.08	0.10	0.11	0.13	0.05	0.03	0.02	0.01	0.01	0.11	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.09	0.10	0.10	0.10	0.05	0.06	0.07	0.06	0.05	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.10	0.09	0.09	0.04	0.03	0.04	0.05	0.04	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.08	0.08	0.05	0.05	0.06	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.09	0.10	0.06	0.06	0.03	0.02	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.11	0.10	0.10	0.07	0.06	0.05	0.06	0.07	0.06	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.08	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.08	0.07	0.09	0.10	0.08	0.08	0.09	0.09
CRMS 0258	0.10	0.10	0.11	0.07	0.03	0.01	0.01	0.01	0.01	0.01	0.09	0.10
CRMS 0224	0.10	0.09	0.11	0.08	0.05	0.01	0.01	0.01	0.02	0.02	0.09	0.10
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.05	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.01	0.06	0.12	0.11	0.08	0.07	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	0.00	0.07	0.13	0.04	0.02	0.00	-0.01	0.00	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.01	0.03	0.06	0.00	-0.02	-0.01	0.00	0.00	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.01	0.04	0.07	0.02	0.00	-0.02	0.00	0.00	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.02	0.05	0.02	0.00	-0.01	0.00	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.02	0.04	0.02	0.00	0.00	0.00	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.02	0.03	0.01	0.00	-0.01	0.00	0.00	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.02	-0.01	0.00	0.01	0.00	-0.01	0.00	0.00	0.01	0.00	0.00
CRMS 0258	-0.03	-0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.03	-0.02	0.02	0.03	0.03	0.00	0.00	-0.01	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 122 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.07	0.05	0.06	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.06	0.03	0.03	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.10	0.05	0.03	0.05	0.06	0.06	0.05	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.05	0.05	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.09	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.08	0.03	0.01	0.01	0.03	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.02	0.04	0.06	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.10	0.06	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.09
CRMS 0258	0.15	0.09	0.08	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
CRMS 0224	0.14	0.10	0.08	0.03	0.01	0.01	0.02	0.03	0.03	0.03	0.09	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

V3PR2 HYST - cy 3 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.10	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.05	0.05	0.05	0.03	0.04	0.06	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.07	0.06	0.03	0.03	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.07	0.09	0.06	0.06	0.02	0.02	0.02	0.01	0.01	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.08	0.09	0.05	0.04	0.04	0.06	0.07	0.05	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.08	0.07	0.04	0.04	0.02	0.03	0.04	0.04	0.03	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.07	0.04	0.04	0.03	0.04	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.08	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.10	0.08	0.04	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.05	0.07	0.09	0.09	0.08	0.07	0.08	0.09
CRMS 0258	0.14	0.09	0.07	0.04	0.01	0.01	0.01	0.01	0.02	0.02	0.08	0.10
CRMS 0224	0.13	0.08	0.07	0.04	0.01	0.01	0.01	0.01	0.02	0.02	0.08	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.05	0.03	0.05	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.08	-0.04	0.04	0.06	0.07	0.07	0.08	0.09	0.04	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.07	-0.01	0.03	0.05	0.02	0.01	-0.01	-0.01	-0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	-0.01	0.01	0.02	-0.01	0.00	0.01	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.04	-0.02	0.00	0.02	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	-0.02	0.00	0.02	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.02	0.00	0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.00	0.01	0.00	-0.01	0.02	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	-0.01
CRMS 0258	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.02	0.01	0.01	0.00	-0.01	-0.02	-0.01	-0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 123 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.12	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.08	0.06	0.06	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.13	0.07	0.04	0.05	0.07	0.07	0.05	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.11	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.03	0.04	0.05	0.07	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.05	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.13	0.15	0.15	0.10	0.07	0.08	0.10	0.09	0.08	0.07	0.08	0.10
CRMS 0258	0.16	0.13	0.11	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.15	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.07	0.09	0.07	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

V3PR2 HYST - cy 3 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.08	0.07	0.07	0.05	0.05	0.07	0.06	0.08	0.09
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.09	0.09	0.07	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.10	0.12	0.11	0.10	0.11	0.10	0.05	0.01	0.02	0.12	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.12	0.10	0.08	0.07	0.07	0.06	0.05	0.06	0.10	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.11	0.12	0.09	0.07	0.06	0.06	0.05	0.04	0.04	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.11	0.12	0.08	0.06	0.06	0.07	0.07	0.06	0.05	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.06	0.04	0.04	0.05	0.05	0.05	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.12	0.12	0.07	0.05	0.05	0.07	0.07	0.06	0.06	0.10	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.12	0.12	0.13	0.09	0.07	0.07	0.07	0.08	0.08	0.08	0.10	0.10
CRMS 0258	0.13	0.12	0.12	0.07	0.01	0.02	0.02	0.01	0.01	0.01	0.11	0.14
CRMS 0224	0.12	0.11	0.12	0.07	0.02	0.03	0.04	0.03	0.02	0.02	0.10	0.13
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.09	0.07	0.09	0.08	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.02	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.06	0.00	0.08	0.09	0.11	0.09	0.04	0.00	0.01	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.02	0.04	0.02	0.00	-0.02	0.00	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.03	0.01	0.03	0.05	0.04	0.02	0.00	-0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.02	0.01	0.03	0.03	0.01	0.00	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	0.01	0.02	0.03	0.02	0.02	0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.03	0.00	0.01	0.02	0.01	0.01	-0.01	-0.01	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.02	-0.02	-0.01	0.00	-0.01	-0.02	-0.01	0.00	0.01	0.02	0.00
CRMS 0258	-0.03	-0.01	0.02	0.02	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 0224	-0.03	-0.01	0.02	0.03	0.02	0.03	0.03	0.01	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 124 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.09	0.06	0.05	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.10	0.07	0.08	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.02	0.02	0.04	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.02	0.03	0.05	0.07	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.09	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.11	0.12	0.09	0.06	0.05	0.07	0.09	0.10	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.13	0.10	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.09	0.09
CRMS 0224	0.12	0.12	0.11	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR2 HYST - cy 3 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.06	0.07	0.07	0.08	0.06	0.06	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.13	0.09	0.07	0.08	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.12	0.06	0.09	0.08	0.16	0.12	0.02	0.01	0.01	0.11	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.07	0.09	0.07	0.06	0.06	0.06	0.09	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.12	0.07	0.07	0.07	0.08	0.07	0.05	0.04	0.04	0.09	0.07
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.07	0.07	0.06	0.08	0.08	0.07	0.06	0.06	0.08	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.08	0.05	0.04	0.05	0.05	0.05	0.05	0.04	0.08	0.08
HWQ14 - Lake Washington	0.11	0.13	0.09	0.05	0.05	0.06	0.08	0.07	0.06	0.06	0.09	0.09
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.08	0.08	0.09	0.09	0.08	0.10	0.09
CRMS 0258	0.11	0.13	0.08	0.06	0.03	0.03	0.02	0.01	0.01	0.01	0.10	0.08
CRMS 0224	0.10	0.12	0.08	0.06	0.04	0.06	0.05	0.02	0.02	0.02	0.09	0.08
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.10	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.10	-0.06	0.05	0.07	0.15	0.11	0.09	0.08	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.05	-0.06	0.05	0.08	0.15	0.12	0.01	0.00	0.00	0.03	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.03	0.03	0.04	0.04	0.01	-0.02	0.00	0.00	0.01	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.03	0.03	0.05	0.06	0.03	0.00	-0.01	0.00	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.02	0.02	0.03	0.05	0.03	0.01	0.00	0.00	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	-0.01	0.01	0.03	0.03	0.03	0.01	0.00	0.01	0.01	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.01	0.03	0.03	0.02	0.00	-0.01	0.00	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.01	0.01	0.01	-0.01	-0.01	0.00	0.01	0.00	-0.01
CRMS 0258	-0.03	-0.01	-0.02	0.01	0.01	0.02	0.02	0.00	0.00	0.00	0.02	-0.01
CRMS 0224	-0.02	-0.01	-0.03	0.02	0.02	0.05	0.04	0.00	0.00	0.01	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 125 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.15	0.10	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.02	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.11	0.06	0.03	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.08	0.05	0.03	0.04	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.01	0.02	0.02	0.04	0.06	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.03	0.07	0.05	0.06	0.07
CRMS 3985	0.12	0.12	0.13	0.08	0.06	0.07	0.10	0.10	0.08	0.07	0.09	0.10
CRMS 0258	0.14	0.11	0.09	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.13	0.11	0.09	0.04	0.01	0.01	0.01	0.02	0.03	0.02	0.09	0.12
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.13	0.05	0.04	0.08	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.05	0.07	0.06	0.06

V3PR3 HYST - cy 3 - 2002 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.08	0.10	0.09	0.12	0.10	0.09	0.09	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.08	0.08	0.08	0.07	0.05	0.05	0.07	0.07	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.08	0.10	0.10	0.10	0.12	0.03	0.02	0.01	0.01	0.10	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.10	0.09	0.08	0.08	0.06	0.07	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.09	0.08	0.07	0.07	0.04	0.04	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.09	0.07	0.07	0.07	0.06	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.08	0.05	0.05	0.04	0.04	0.03	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.11	0.10	0.10	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.07	0.06	0.07	0.07	0.07	0.04	0.07	0.05	0.06	0.07
CRMS 3985	0.10	0.10	0.12	0.08	0.07	0.07	0.08	0.10	0.08	0.08	0.09	0.10
CRMS 0258	0.11	0.09	0.10	0.06	0.02	0.03	0.01	0.01	0.01	0.01	0.10	0.12
CRMS 0224	0.10	0.09	0.09	0.07	0.04	0.05	0.02	0.01	0.03	0.02	0.09	0.11
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.12	0.05	0.04	0.08	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.08	0.04	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.03	0.06	0.09	0.11	0.10	0.08	0.08	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	0.00	0.07	0.09	0.12	0.02	0.00	-0.01	0.00	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.03	0.05	0.03	-0.01	-0.02	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.04	0.06	0.05	0.01	-0.02	-0.01	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.02	0.04	0.04	0.01	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	-0.01	0.01	0.04	0.03	0.01	-0.01	0.00	0.01	0.00	0.00
HWQ14 - Lake Washington	-0.03	-0.04	-0.01	0.01	0.03	0.02	0.01	-0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.01	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.01
CRMS 0258	-0.03	-0.01	0.01	0.02	0.01	0.02	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.03	-0.02	0.01	0.03	0.03	0.04	0.01	-0.01	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00

Figure WQ PO4 126 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.14	0.10	0.04	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.09	0.07	0.04	0.05	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.04	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.06	0.03	0.03	0.05	0.06	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.06	0.10
HWQ14 - Lake Washington	0.13	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.04	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.09	0.07	0.08	0.10	0.10	0.08	0.07	0.09	0.09
CRMS 0258	0.13	0.11	0.09	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.11	0.09	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

V3PR3 HYST - cy 3 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.09	0.07	0.04	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.08	0.10	0.11	0.13	0.05	0.02	0.02	0.01	0.01	0.11	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.10	0.10	0.10	0.05	0.06	0.07	0.06	0.05	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.10	0.09	0.09	0.04	0.03	0.04	0.05	0.04	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.08	0.08	0.05	0.05	0.06	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.10	0.10	0.06	0.06	0.03	0.02	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.11	0.10	0.10	0.07	0.06	0.05	0.06	0.07	0.06	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.08	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.08	0.07	0.09	0.10	0.08	0.08	0.09	0.10
CRMS 0258	0.10	0.10	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.10	0.10
CRMS 0224	0.10	0.09	0.11	0.08	0.05	0.01	0.01	0.01	0.02	0.02	0.09	0.10
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.05	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.01	0.06	0.12	0.11	0.08	0.07	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	0.00	0.07	0.13	0.04	0.01	-0.01	0.00	0.00	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.01	0.03	0.06	0.00	-0.02	-0.01	0.00	0.00	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.01	0.04	0.07	0.02	0.00	-0.02	0.00	0.00	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.02	0.05	0.02	0.00	-0.01	0.00	0.00	0.02	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.01	0.02	0.04	0.02	0.00	0.00	0.00	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.02	0.03	0.01	0.00	-0.01	0.00	0.00	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.02	-0.01	0.00	0.01	0.00	-0.01	0.00	0.00	0.01	0.00	0.00
CRMS 0258	-0.03	-0.01	0.02	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00
CRMS 0224	-0.03	-0.02	0.02	0.03	0.03	0.00	0.00	-0.01	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 127 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.07	0.05	0.06	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.06	0.03	0.03	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.10	0.05	0.03	0.05	0.06	0.06	0.05	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.05	0.05	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.09	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.08	0.03	0.01	0.01	0.03	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.02	0.04	0.06	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.10	0.06	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.09
CRMS 0258	0.15	0.09	0.08	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
CRMS 0224	0.14	0.10	0.08	0.03	0.01	0.01	0.02	0.03	0.03	0.03	0.09	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

V3PR3 HYST - cy 3 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.05	0.05	0.05	0.03	0.04	0.06	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.07	0.06	0.04	0.03	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.07	0.09	0.06	0.06	0.02	0.02	0.02	0.01	0.01	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.05	0.04	0.04	0.06	0.07	0.05	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.08	0.08	0.05	0.04	0.02	0.03	0.05	0.04	0.03	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.07	0.04	0.04	0.03	0.04	0.06	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.08	0.07	0.03	0.02	0.01	0.02	0.04	0.05	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.03	0.04	0.06	0.09	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.06	0.05	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.05	0.07	0.09	0.09	0.08	0.07	0.08	0.10
CRMS 0258	0.14	0.09	0.07	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0224	0.13	0.08	0.07	0.04	0.01	0.01	0.01	0.01	0.02	0.02	0.08	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.08	-0.04	0.04	0.06	0.07	0.07	0.09	0.09	0.05	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	-0.01	0.04	0.05	0.01	0.01	-0.01	-0.01	-0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	-0.01	0.01	0.02	-0.01	0.00	0.01	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.04	-0.01	0.01	0.02	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	-0.01	0.00	0.02	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.01	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.00	0.00	0.00	0.02	0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	-0.01	-0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.01	0.01	0.01	0.00	-0.01	-0.02	-0.01	-0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 128 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.12	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.08	0.06	0.06	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.13	0.07	0.04	0.05	0.07	0.07	0.05	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.11	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.03	0.04	0.05	0.07	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.05	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.13	0.15	0.15	0.10	0.07	0.08	0.10	0.09	0.08	0.07	0.08	0.10
CRMS 0258	0.16	0.13	0.11	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.15	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.07	0.09	0.07	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

V3PR3 HYST - cy 3 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.08	0.07	0.07	0.05	0.05	0.08	0.07	0.08	0.09
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.09	0.09	0.07	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.10	0.11	0.11	0.10	0.11	0.10	0.05	0.01	0.01	0.12	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.12	0.10	0.08	0.07	0.07	0.06	0.05	0.06	0.10	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.11	0.12	0.09	0.07	0.06	0.06	0.05	0.04	0.04	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.11	0.12	0.08	0.06	0.06	0.07	0.07	0.06	0.06	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.06	0.04	0.04	0.05	0.05	0.05	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.12	0.12	0.07	0.05	0.06	0.07	0.07	0.05	0.06	0.10	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.07	0.06	0.07	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.12	0.12	0.13	0.09	0.07	0.07	0.07	0.08	0.08	0.08	0.10	0.11
CRMS 0258	0.13	0.12	0.13	0.07	0.01	0.02	0.02	0.01	0.01	0.01	0.11	0.14
CRMS 0224	0.12	0.12	0.12	0.07	0.02	0.03	0.04	0.03	0.02	0.02	0.10	0.13
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.09	0.07	0.09	0.08	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.02	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.06	0.00	0.08	0.09	0.11	0.09	0.04	0.00	0.01	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.02	0.04	0.02	0.00	-0.02	0.00	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.03	0.01	0.03	0.05	0.04	0.02	0.00	-0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.02	0.01	0.03	0.03	0.02	0.00	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	0.01	0.02	0.03	0.02	0.02	0.01	-0.01	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.01	-0.03	0.00	0.01	0.02	0.01	0.01	-0.01	-0.01	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.02	-0.02	-0.01	0.00	-0.01	-0.02	-0.01	0.00	0.01	0.02	0.01
CRMS 0258	-0.03	-0.01	0.02	0.02	0.00	0.01	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 0224	-0.03	-0.01	0.02	0.03	0.02	0.03	0.03	0.01	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 129 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.09	0.06	0.05	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.10	0.07	0.08	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.02	0.02	0.04	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.02	0.03	0.05	0.07	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.09	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.11	0.12	0.09	0.06	0.05	0.07	0.09	0.10	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.13	0.10	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.09	0.09
CRMS 0224	0.12	0.12	0.11	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR3 HYST - cy 3 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.06	0.07	0.07	0.08	0.06	0.06	0.08	0.07	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.13	0.09	0.07	0.09	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.12	0.06	0.08	0.08	0.16	0.12	0.02	0.01	0.01	0.11	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.07	0.09	0.08	0.06	0.06	0.06	0.09	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.12	0.07	0.07	0.07	0.08	0.07	0.05	0.05	0.04	0.09	0.07
USGS 07380335 - Little Lake Near Cutoff	0.08	0.11	0.07	0.07	0.06	0.08	0.08	0.07	0.07	0.06	0.08	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.08	0.05	0.04	0.05	0.05	0.05	0.05	0.04	0.08	0.08
HWQ14 - Lake Washington	0.11	0.13	0.09	0.05	0.05	0.06	0.08	0.07	0.06	0.06	0.09	0.09
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.08	0.08	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.08	0.08	0.09	0.09	0.08	0.10	0.09
CRMS 0258	0.11	0.13	0.08	0.06	0.03	0.03	0.02	0.01	0.01	0.01	0.10	0.08
CRMS 0224	0.10	0.12	0.08	0.06	0.04	0.06	0.05	0.02	0.02	0.02	0.09	0.08
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.10	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.10	-0.06	0.05	0.07	0.15	0.11	0.09	0.08	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.05	-0.06	0.05	0.08	0.15	0.12	0.01	0.00	0.00	0.03	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.03	0.03	0.04	0.04	0.01	-0.02	0.00	0.01	0.01	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.03	0.03	0.05	0.06	0.03	0.00	0.00	0.01	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.02	0.02	0.03	0.05	0.03	0.01	0.00	0.01	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	-0.01	0.01	0.03	0.03	0.03	0.01	0.00	0.01	0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.02	0.03	0.03	0.02	0.00	-0.01	0.01	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.01	0.01	0.01	-0.01	-0.01	0.00	0.01	0.00	-0.01
CRMS 0258	-0.03	0.00	-0.02	0.01	0.01	0.02	0.02	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.02	-0.01	-0.03	0.02	0.02	0.05	0.04	0.00	0.00	0.01	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 130 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.15	0.10	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.02	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.11	0.06	0.03	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.08	0.05	0.03	0.04	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.01	0.02	0.02	0.04	0.06	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.03	0.07	0.05	0.06	0.07
CRMS 3985	0.12	0.12	0.13	0.08	0.06	0.07	0.10	0.10	0.08	0.07	0.09	0.10
CRMS 0258	0.14	0.11	0.09	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.13	0.11	0.09	0.04	0.01	0.01	0.01	0.02	0.03	0.02	0.09	0.12
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.13	0.05	0.04	0.08	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.05	0.07	0.06	0.06

V3PR4 HYST - cy 3 - 2002 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.07	0.10	0.09	0.12	0.10	0.09	0.09	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.08	0.07	0.08	0.08	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.08	0.10	0.10	0.10	0.12	0.06	0.04	0.03	0.04	0.09	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.10	0.10	0.09	0.09	0.05	0.06	0.06	0.05	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.09	0.09	0.10	0.05	0.04	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.09	0.09	0.08	0.09	0.06	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.09	0.08	0.09	0.06	0.06	0.05	0.04	0.03	0.06	0.04	0.08	0.10
HWQ14 - Lake Washington	0.10	0.10	0.10	0.06	0.06	0.06	0.06	0.07	0.06	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.06	0.07	0.08	0.07	0.08	0.08	0.07	0.04	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.10	0.12	0.08	0.08	0.08	0.08	0.10	0.08	0.08	0.09	0.10
CRMS 0258	0.11	0.09	0.10	0.07	0.04	0.05	0.01	0.01	0.01	0.01	0.09	0.12
CRMS 0224	0.10	0.09	0.10	0.08	0.06	0.07	0.02	0.01	0.02	0.02	0.09	0.11
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.12	0.05	0.04	0.09	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.06	0.07	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.03	0.06	0.09	0.11	0.09	0.08	0.08	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.01	0.07	0.09	0.12	0.05	0.02	0.01	0.02	0.01	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.03	0.06	0.05	-0.01	-0.02	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.05	0.07	0.07	0.01	-0.02	-0.01	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.03	0.05	0.06	0.01	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.00	0.02	0.05	0.04	0.02	-0.01	0.00	0.01	0.00	0.00
HWQ14 - Lake Washington	-0.03	-0.05	-0.01	0.02	0.04	0.03	0.01	-0.01	0.00	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.01	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.01
CRMS 0258	-0.03	-0.02	0.01	0.02	0.03	0.04	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.04	-0.03	0.01	0.04	0.05	0.06	0.01	-0.01	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00

Figure WQ PO4 131 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.14	0.10	0.04	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.09	0.07	0.04	0.05	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.04	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.06	0.03	0.03	0.05	0.06	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.06	0.10
HWQ14 - Lake Washington	0.13	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.04	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.09	0.07	0.08	0.10	0.10	0.08	0.07	0.09	0.09
CRMS 0258	0.13	0.11	0.09	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.11	0.09	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

V3PR4 HYST - cy 3 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.09	0.07	0.04	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.10	0.11	0.13	0.08	0.04	0.04	0.03	0.05	0.10	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.10	0.11	0.12	0.06	0.05	0.07	0.06	0.06	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.10	0.11	0.05	0.03	0.04	0.05	0.04	0.09	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.10	0.10	0.06	0.05	0.06	0.07	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.07	0.07	0.04	0.02	0.04	0.06	0.04	0.08	0.10
HWQ14 - Lake Washington	0.11	0.10	0.11	0.07	0.07	0.05	0.06	0.07	0.06	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.09	0.08	0.06	0.05	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.09	0.07	0.09	0.10	0.08	0.08	0.09	0.09
CRMS 0258	0.10	0.09	0.11	0.09	0.05	0.01	0.01	0.01	0.01	0.01	0.10	0.09
CRMS 0224	0.09	0.09	0.11	0.09	0.08	0.02	0.01	0.01	0.02	0.02	0.09	0.10
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.07	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.01	0.06	0.12	0.11	0.08	0.07	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	0.00	0.07	0.13	0.07	0.04	0.02	0.01	0.03	0.02	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	-0.01	0.04	0.08	0.00	-0.02	-0.01	0.00	0.01	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.01	0.05	0.09	0.03	0.00	-0.02	0.00	0.00	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.03	0.07	0.03	0.00	0.00	0.00	0.01	0.03	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.03	0.05	0.02	0.00	0.00	0.00	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.02	0.04	0.01	0.00	-0.01	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.02	0.01
CRMS 3985	-0.01	-0.02	-0.01	0.01	0.02	0.00	-0.01	0.00	0.00	0.01	0.00	0.00
CRMS 0258	-0.04	-0.02	0.01	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.02	0.00
CRMS 0224	-0.04	-0.02	0.02	0.05	0.06	0.01	0.00	-0.01	0.00	0.01	0.02	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00

Figure WQ PO4 132 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.07	0.05	0.06	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.06	0.03	0.03	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.10	0.05	0.03	0.05	0.06	0.06	0.05	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.05	0.05	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.09	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.08	0.03	0.01	0.01	0.03	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.02	0.04	0.06	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.10	0.06	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.09
CRMS 0258	0.15	0.09	0.08	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
CRMS 0224	0.14	0.10	0.08	0.03	0.01	0.01	0.02	0.03	0.03	0.03	0.09	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

V3PR4 HYST - cy 3 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.10	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.05	0.05	0.05	0.03	0.04	0.06	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.06	0.04	0.03	0.06	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.07	0.08	0.07	0.06	0.03	0.04	0.04	0.03	0.04	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.06	0.05	0.04	0.06	0.07	0.05	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.07	0.08	0.05	0.05	0.02	0.03	0.05	0.04	0.03	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.07	0.07	0.05	0.04	0.03	0.04	0.06	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.08	0.07	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.04	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.06	0.05	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.05	0.07	0.09	0.09	0.08	0.07	0.09	0.10
CRMS 0258	0.14	0.08	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.08	0.07	0.04	0.02	0.01	0.01	0.01	0.02	0.02	0.08	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.08	-0.04	0.04	0.06	0.07	0.07	0.08	0.09	0.04	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.07	-0.02	0.04	0.06	0.03	0.02	0.01	0.01	0.01	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	-0.01	0.01	0.02	-0.01	0.00	0.01	0.00	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.01	0.01	0.03	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	-0.01	0.00	0.03	0.01	-0.01	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.02	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.00	0.01	0.00	0.00	0.02	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.00	0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	-0.01	-0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.01	0.01	0.01	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 133 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.12	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.08	0.06	0.06	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.13	0.07	0.04	0.05	0.07	0.07	0.05	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.11	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.03	0.04	0.05	0.07	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.05	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.13	0.15	0.15	0.10	0.07	0.08	0.10	0.09	0.08	0.07	0.08	0.10
CRMS 0258	0.16	0.13	0.11	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.15	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.07	0.09	0.07	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

V3PR4 HYST - cy 3 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.08	0.07	0.07	0.06	0.05	0.08	0.06	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.07	0.03	0.05	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.11	0.12	0.10	0.08	0.08	0.07	0.05	0.05	0.06	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.12	0.10	0.08	0.08	0.08	0.06	0.04	0.04	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.09	0.08	0.08	0.08	0.07	0.06	0.06	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.07	0.05	0.05	0.06	0.05	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.13	0.12	0.13	0.07	0.06	0.06	0.07	0.07	0.05	0.06	0.10	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.11	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.13	0.12	0.14	0.09	0.08	0.07	0.07	0.08	0.08	0.08	0.11	0.11
CRMS 0258	0.12	0.12	0.13	0.07	0.03	0.03	0.04	0.02	0.01	0.01	0.11	0.15
CRMS 0224	0.12	0.11	0.12	0.08	0.05	0.05	0.06	0.03	0.02	0.02	0.10	0.14
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.09	0.07	0.09	0.08	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.02	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.06	-0.01	0.08	0.09	0.10	0.09	0.05	0.02	0.04	0.04	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.05	-0.01	0.03	0.04	0.03	0.01	-0.02	0.00	0.01	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.03	0.01	0.04	0.06	0.06	0.04	0.00	-0.01	0.01	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.02	0.03	0.05	0.05	0.03	0.01	0.00	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.02	0.04	0.03	0.03	0.01	-0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.04	0.01	0.01	0.03	0.02	0.01	-0.01	-0.01	0.01	0.02	0.03
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.02	-0.01	-0.01	0.00	-0.01	-0.03	-0.01	0.00	0.01	0.03	0.01
CRMS 0258	-0.03	-0.01	0.02	0.03	0.02	0.02	0.03	0.01	0.00	0.00	0.02	0.02
CRMS 0224	-0.03	-0.02	0.02	0.04	0.04	0.05	0.05	0.02	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 134 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.09	0.06	0.05	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.10	0.07	0.08	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.02	0.02	0.04	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.02	0.03	0.05	0.07	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.09	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.11	0.12	0.09	0.06	0.05	0.07	0.09	0.10	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.13	0.10	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.09	0.09
CRMS 0224	0.12	0.12	0.11	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR4 HYST - cy 3 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.06	0.07	0.07	0.08	0.07	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.09	0.07	0.09	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.11	0.06	0.08	0.08	0.16	0.12	0.05	0.03	0.05	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.08	0.11	0.08	0.06	0.06	0.06	0.10	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.12	0.06	0.08	0.08	0.12	0.09	0.05	0.04	0.04	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.07	0.08	0.07	0.11	0.09	0.07	0.06	0.06	0.08	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.08	0.06	0.05	0.06	0.06	0.05	0.05	0.04	0.08	0.08
HWQ14 - Lake Washington	0.11	0.13	0.09	0.06	0.05	0.07	0.08	0.07	0.06	0.06	0.10	0.09
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.09	0.09	0.08	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.08	0.07	0.07	0.08	0.08	0.09	0.09	0.09	0.11	0.09
CRMS 0258	0.11	0.12	0.07	0.07	0.04	0.06	0.04	0.01	0.01	0.01	0.10	0.07
CRMS 0224	0.10	0.12	0.07	0.07	0.06	0.09	0.07	0.02	0.02	0.02	0.10	0.07
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.10	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.10	-0.06	0.04	0.07	0.15	0.11	0.09	0.08	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.01	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.06	-0.07	0.05	0.08	0.15	0.12	0.04	0.02	0.04	0.02	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.03	0.03	0.05	0.07	0.02	-0.02	0.00	0.01	0.01	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.04	0.06	0.10	0.05	0.00	-0.01	0.00	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.03	0.03	0.04	0.08	0.04	0.01	0.00	0.01	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.02	0.03	0.04	0.04	0.01	0.00	0.01	0.02	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.02	0.03	0.03	0.03	0.00	-0.01	0.00	0.02	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.01	0.01	0.02	-0.01	-0.01	0.00	0.01	0.01	-0.01
CRMS 0258	-0.03	-0.01	-0.02	0.02	0.02	0.05	0.03	0.00	0.00	0.00	0.02	-0.02
CRMS 0224	-0.03	-0.01	-0.03	0.03	0.04	0.08	0.06	0.01	0.00	0.01	0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 135 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.15	0.10	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.02	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.11	0.06	0.03	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.08	0.05	0.03	0.04	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.01	0.02	0.02	0.04	0.06	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.03	0.07	0.05	0.06	0.07
CRMS 3985	0.12	0.12	0.13	0.08	0.06	0.07	0.10	0.10	0.08	0.07	0.09	0.10
CRMS 0258	0.14	0.11	0.09	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.13	0.11	0.09	0.04	0.01	0.01	0.01	0.02	0.03	0.02	0.09	0.12
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.13	0.05	0.04	0.08	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.05	0.07	0.06	0.06

V3PR5 HYST - cy 3 - 2002 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.07	0.10	0.09	0.12	0.10	0.09	0.09	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.08	0.10	0.10	0.10	0.12	0.04	0.02	0.01	0.02	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.10	0.10	0.09	0.09	0.05	0.07	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.09	0.09	0.10	0.05	0.04	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.09	0.09	0.08	0.09	0.06	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.09	0.08	0.09	0.06	0.06	0.05	0.04	0.03	0.06	0.04	0.08	0.10
HWQ14 - Lake Washington	0.10	0.10	0.10	0.06	0.06	0.07	0.06	0.07	0.06	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.06	0.07	0.08	0.07	0.08	0.08	0.07	0.04	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.10	0.12	0.08	0.08	0.08	0.08	0.10	0.08	0.08	0.09	0.10
CRMS 0258	0.11	0.09	0.10	0.07	0.04	0.05	0.01	0.01	0.01	0.01	0.09	0.12
CRMS 0224	0.10	0.09	0.10	0.08	0.06	0.07	0.02	0.01	0.02	0.02	0.09	0.11
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.12	0.05	0.04	0.09	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.06	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.03	0.06	0.09	0.11	0.09	0.08	0.08	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	0.00	0.07	0.09	0.12	0.03	0.00	0.00	0.01	0.01	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.03	0.06	0.05	-0.01	-0.02	0.00	0.00	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.05	0.07	0.07	0.01	-0.02	-0.01	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.03	0.05	0.06	0.01	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.00	0.02	0.05	0.04	0.02	-0.01	0.00	0.01	0.00	0.00
HWQ14 - Lake Washington	-0.03	-0.05	0.00	0.02	0.04	0.03	0.01	-0.01	0.00	0.00	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00
CRMS 3985	-0.02	-0.02	-0.01	0.00	0.02	0.01	-0.01	0.00	0.00	0.00	0.00	0.01
CRMS 0258	-0.03	-0.01	0.01	0.02	0.03	0.04	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.04	-0.02	0.01	0.04	0.04	0.06	0.01	-0.01	-0.01	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00

Figure WQ PO4 136 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.14	0.10	0.04	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.09	0.07	0.04	0.05	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.04	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.06	0.03	0.03	0.05	0.06	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.06	0.10
HWQ14 - Lake Washington	0.13	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.04	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.09	0.07	0.08	0.10	0.10	0.08	0.07	0.09	0.09
CRMS 0258	0.13	0.11	0.09	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.11	0.09	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

V3PR5 HYST - cy 3 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.09	0.07	0.04	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.10	0.11	0.13	0.06	0.03	0.02	0.01	0.03	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.10	0.11	0.12	0.06	0.06	0.07	0.06	0.06	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.10	0.11	0.05	0.04	0.04	0.05	0.04	0.09	0.09
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.10	0.10	0.10	0.06	0.05	0.06	0.07	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.07	0.07	0.04	0.02	0.04	0.06	0.04	0.08	0.10
HWQ14 - Lake Washington	0.11	0.10	0.11	0.07	0.07	0.05	0.06	0.07	0.07	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.08	0.08	0.06	0.05	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.09	0.08	0.09	0.10	0.08	0.08	0.09	0.10
CRMS 0258	0.10	0.09	0.11	0.09	0.05	0.01	0.01	0.01	0.01	0.01	0.10	0.09
CRMS 0224	0.09	0.09	0.11	0.09	0.07	0.02	0.01	0.01	0.02	0.02	0.09	0.10
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.07	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.01	0.06	0.12	0.11	0.08	0.07	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	0.00	0.07	0.13	0.06	0.02	0.00	0.00	0.01	0.02	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.01	0.04	0.08	0.01	-0.02	-0.01	0.00	0.01	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.01	0.05	0.09	0.03	0.00	-0.02	0.00	0.00	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.03	0.07	0.03	0.00	0.00	0.00	0.01	0.03	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.03	0.05	0.02	0.00	0.00	0.00	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.02	-0.04	0.00	0.02	0.04	0.01	0.00	-0.01	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.02	0.01
CRMS 3985	-0.01	-0.02	-0.01	0.01	0.02	0.00	-0.01	0.00	0.00	0.01	0.00	0.00
CRMS 0258	-0.04	-0.02	0.01	0.03	0.04	0.00	0.00	0.00	0.00	0.00	0.02	0.00
CRMS 0224	-0.04	-0.02	0.02	0.05	0.06	0.01	0.00	-0.01	0.00	0.00	0.02	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00

Figure WQ PO4 137 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.07	0.05	0.06	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.06	0.03	0.03	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.10	0.05	0.03	0.05	0.06	0.06	0.05	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.05	0.05	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.09	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.08	0.03	0.01	0.01	0.03	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.02	0.04	0.06	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.10	0.06	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.09
CRMS 0258	0.15	0.09	0.08	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
CRMS 0224	0.14	0.10	0.08	0.03	0.01	0.01	0.02	0.03	0.03	0.03	0.09	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

V3PR5 HYST - cy 3 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.10	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.05	0.05	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.07	0.06	0.04	0.03	0.06	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.07	0.08	0.06	0.06	0.02	0.03	0.02	0.01	0.02	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.06	0.05	0.04	0.06	0.07	0.06	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.07	0.08	0.05	0.05	0.02	0.03	0.05	0.04	0.03	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.07	0.07	0.05	0.04	0.03	0.04	0.06	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.08	0.07	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.04	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.06	0.05	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.05	0.07	0.09	0.09	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.08	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.08	0.07	0.04	0.02	0.01	0.01	0.01	0.02	0.02	0.08	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.08	-0.04	0.04	0.06	0.07	0.07	0.08	0.09	0.05	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.02	0.04	0.05	0.02	0.01	-0.01	-0.01	0.00	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	-0.01	0.01	0.02	-0.01	0.00	0.02	0.00	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.01	0.01	0.03	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	-0.01	0.00	0.03	0.01	-0.01	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.02	0.00	0.01	0.00	-0.01	0.00	0.01	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.01	0.01	0.00	0.00	0.02	0.01	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.00	0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	-0.01	-0.01	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0224	-0.01	-0.02	-0.01	0.01	0.01	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 138 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.12	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.08	0.06	0.06	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.13	0.07	0.04	0.05	0.07	0.07	0.05	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.11	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.03	0.04	0.05	0.07	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.05	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.13	0.15	0.15	0.10	0.07	0.08	0.10	0.09	0.08	0.07	0.08	0.10
CRMS 0258	0.16	0.13	0.11	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.15	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.07	0.09	0.07	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

V3PR5 HYST - cy 3 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.08	0.07	0.07	0.06	0.05	0.08	0.06	0.08	0.09
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.05	0.01	0.03	0.12	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.11	0.12	0.10	0.09	0.08	0.08	0.06	0.05	0.06	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.12	0.10	0.08	0.08	0.08	0.06	0.04	0.04	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.09	0.07	0.08	0.08	0.07	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.07	0.05	0.05	0.06	0.05	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.13	0.12	0.13	0.07	0.06	0.06	0.07	0.07	0.05	0.06	0.10	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.11	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.13	0.12	0.14	0.09	0.08	0.07	0.07	0.08	0.08	0.08	0.11	0.11
CRMS 0258	0.13	0.12	0.13	0.07	0.02	0.03	0.03	0.01	0.01	0.01	0.11	0.14
CRMS 0224	0.12	0.11	0.12	0.08	0.04	0.05	0.06	0.03	0.02	0.02	0.10	0.14
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.09	0.07	0.09	0.08	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.02	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.06	0.00	0.08	0.09	0.11	0.09	0.04	0.00	0.02	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.03	0.05	0.03	0.01	-0.02	0.00	0.01	0.03	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.03	0.01	0.04	0.06	0.06	0.04	0.00	-0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.02	0.03	0.05	0.04	0.03	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.02	0.04	0.03	0.03	0.01	-0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.01	-0.04	0.01	0.01	0.03	0.02	0.01	-0.01	-0.01	0.01	0.02	0.03
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.02	-0.01	-0.01	0.00	0.00	-0.03	-0.02	0.00	0.01	0.03	0.01
CRMS 0258	-0.03	-0.01	0.02	0.03	0.02	0.02	0.02	0.01	0.00	0.00	0.01	0.02
CRMS 0224	-0.03	-0.02	0.03	0.04	0.04	0.04	0.05	0.01	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 139 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.09	0.06	0.05	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.10	0.07	0.08	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.02	0.02	0.04	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.02	0.03	0.05	0.07	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.09	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.11	0.12	0.09	0.06	0.05	0.07	0.09	0.10	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.13	0.10	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.09	0.09
CRMS 0224	0.12	0.12	0.11	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR5 HYST - cy 3 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.06	0.07	0.07	0.08	0.07	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.13	0.09	0.07	0.09	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.12	0.06	0.08	0.08	0.16	0.12	0.03	0.01	0.03	0.11	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.08	0.11	0.08	0.06	0.06	0.06	0.10	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.12	0.06	0.08	0.08	0.12	0.09	0.05	0.04	0.04	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.07	0.08	0.07	0.11	0.09	0.07	0.06	0.06	0.08	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.08	0.06	0.05	0.06	0.06	0.05	0.05	0.04	0.08	0.08
HWQ14 - Lake Washington	0.10	0.13	0.09	0.06	0.05	0.07	0.08	0.07	0.06	0.06	0.10	0.09
HWQ16 - Bayou Grand Liard	0.06	0.08	0.07	0.06	0.06	0.09	0.09	0.08	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.08	0.07	0.07	0.09	0.08	0.09	0.09	0.09	0.11	0.09
CRMS 0258	0.11	0.12	0.07	0.07	0.04	0.06	0.03	0.01	0.01	0.01	0.10	0.08
CRMS 0224	0.10	0.12	0.07	0.07	0.06	0.09	0.06	0.02	0.02	0.02	0.10	0.07
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.10	0.07	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.10	-0.06	0.04	0.07	0.15	0.11	0.09	0.08	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.01	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	-0.07	0.05	0.08	0.15	0.12	0.01	0.00	0.02	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.03	0.03	0.05	0.07	0.02	-0.02	0.00	0.01	0.02	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.04	0.06	0.10	0.05	0.00	-0.01	0.01	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.03	0.03	0.04	0.07	0.04	0.01	0.00	0.01	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.02	0.03	0.04	0.04	0.01	0.00	0.01	0.02	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.02	0.03	0.03	0.03	0.00	-0.01	0.00	0.02	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	0.00	0.00	-0.01	0.01	0.02	0.02	-0.01	-0.01	0.00	0.01	0.02	-0.01
CRMS 0258	-0.03	-0.01	-0.02	0.02	0.02	0.04	0.03	0.00	0.00	0.00	0.02	-0.02
CRMS 0224	-0.03	-0.01	-0.03	0.03	0.04	0.08	0.06	0.01	0.00	0.01	0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 140 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.15	0.10	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.02	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.11	0.06	0.03	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.08	0.05	0.03	0.04	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.01	0.02	0.02	0.04	0.06	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.03	0.07	0.05	0.06	0.07
CRMS 3985	0.12	0.12	0.13	0.08	0.06	0.07	0.10	0.10	0.08	0.07	0.09	0.10
CRMS 0258	0.14	0.11	0.09	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.13	0.11	0.09	0.04	0.01	0.01	0.01	0.02	0.03	0.02	0.09	0.12
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.13	0.05	0.04	0.08	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.05	0.07	0.06	0.06

V3PR6 HYST - cy 3 - 2002 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.07	0.10	0.09	0.12	0.10	0.10	0.09	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.09	0.08	0.08	0.09	0.06	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.10	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.08	0.10	0.10	0.09	0.12	0.04	0.02	0.02	0.03	0.10	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.10	0.10	0.10	0.12	0.06	0.06	0.06	0.06	0.10	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.09	0.10	0.10	0.12	0.05	0.03	0.04	0.04	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.09	0.10	0.10	0.12	0.06	0.05	0.06	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.08	0.08	0.09	0.08	0.08	0.08	0.05	0.04	0.06	0.04	0.08	0.10
HWQ14 - Lake Washington	0.10	0.09	0.10	0.08	0.08	0.09	0.07	0.06	0.07	0.06	0.09	0.12
HWQ16 - Bayou Grand Liard	0.06	0.07	0.08	0.08	0.08	0.09	0.07	0.04	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.09	0.11	0.09	0.09	0.10	0.09	0.10	0.09	0.08	0.09	0.10
CRMS 0258	0.11	0.09	0.11	0.10	0.08	0.09	0.01	0.01	0.01	0.01	0.10	0.12
CRMS 0224	0.10	0.08	0.10	0.10	0.09	0.11	0.02	0.01	0.02	0.02	0.09	0.11
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.12	0.05	0.04	0.09	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.06	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.03	0.06	0.09	0.11	0.10	0.08	0.08	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	0.00	0.07	0.09	0.12	0.04	0.00	0.00	0.01	0.02	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.06	-0.02	0.04	0.06	0.07	-0.01	-0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.05	0.00	0.05	0.08	0.10	0.01	-0.02	-0.01	0.00	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.04	0.07	0.08	0.01	-0.01	0.00	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.04	0.06	0.07	0.02	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.04	-0.06	0.00	0.03	0.05	0.05	0.01	-0.02	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.00	0.01	0.00	0.00
CRMS 3985	-0.02	-0.03	-0.02	0.01	0.03	0.03	-0.01	0.01	0.01	0.01	0.01	0.01
CRMS 0258	-0.03	-0.02	0.02	0.06	0.07	0.08	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	-0.03	-0.03	0.02	0.06	0.08	0.10	0.02	-0.01	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00

Figure WQ PO4 141 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.14	0.10	0.04	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.09	0.07	0.04	0.05	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.04	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.06	0.03	0.03	0.05	0.06	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.06	0.10
HWQ14 - Lake Washington	0.13	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.04	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.09	0.07	0.08	0.10	0.10	0.08	0.07	0.09	0.09
CRMS 0258	0.13	0.11	0.09	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.11	0.09	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

V3PR6 HYST - cy 3 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.09	0.10	0.13	0.12	0.09	0.09	0.08	0.08	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.09	0.07	0.04	0.06	0.07	0.06	0.08	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.06	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.08	0.09	0.10	0.13	0.07	0.03	0.02	0.02	0.03	0.12	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.07	0.06	0.07	0.07	0.06	0.11	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.04	0.05	0.04	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.13	0.07	0.04	0.06	0.07	0.05	0.09	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.09	0.09	0.05	0.03	0.04	0.06	0.04	0.09	0.10
HWQ14 - Lake Washington	0.10	0.09	0.10	0.09	0.09	0.06	0.06	0.07	0.07	0.06	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.10	0.09	0.07	0.05	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.09	0.11	0.11	0.11	0.08	0.09	0.11	0.09	0.09	0.10	0.09
CRMS 0258	0.09	0.09	0.10	0.11	0.11	0.01	0.01	0.01	0.01	0.01	0.11	0.09
CRMS 0224	0.09	0.08	0.10	0.11	0.13	0.03	0.01	0.01	0.03	0.02	0.10	0.09
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.07	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.01	0.06	0.12	0.11	0.08	0.08	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.01	0.07	0.12	0.06	0.02	-0.01	0.00	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.09	0.02	-0.01	-0.01	0.01	0.01	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.04	0.00	0.06	0.11	0.04	0.00	-0.02	0.00	0.00	0.03	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.05	0.09	0.03	0.00	-0.01	0.00	0.01	0.03	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.05	0.07	0.04	0.01	0.00	0.01	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.03	-0.05	0.00	0.04	0.06	0.02	0.00	-0.02	0.01	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.01	0.00	0.01	0.02	0.01
CRMS 3985	-0.01	-0.03	-0.01	0.02	0.05	0.01	-0.01	0.01	0.01	0.01	0.02	0.00
CRMS 0258	-0.04	-0.02	0.01	0.06	0.10	0.00	0.00	0.00	0.00	0.00	0.03	0.00
CRMS 0224	-0.04	-0.03	0.02	0.07	0.11	0.02	0.00	-0.01	0.00	0.01	0.03	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ PO4 142 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.07	0.05	0.06	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.06	0.03	0.03	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.10	0.05	0.03	0.05	0.06	0.06	0.05	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.05	0.05	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.09	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.08	0.03	0.01	0.01	0.03	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.02	0.04	0.06	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.10	0.06	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.09
CRMS 0258	0.15	0.09	0.08	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
CRMS 0224	0.14	0.10	0.08	0.03	0.01	0.01	0.02	0.03	0.03	0.03	0.09	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

V3PR6 HYST - cy 3 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.05	0.05	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.07	0.06	0.04	0.03	0.06	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.07	0.09	0.08	0.06	0.03	0.03	0.02	0.02	0.03	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.07	0.09	0.06	0.06	0.05	0.07	0.09	0.06	0.06	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.06	0.07	0.05	0.06	0.02	0.03	0.04	0.05	0.03	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.06	0.05	0.06	0.02	0.03	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.06	0.04	0.04	0.01	0.02	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.08	0.08	0.04	0.04	0.04	0.06	0.08	0.07	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.11	0.08	0.10	0.06	0.06	0.07	0.10	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.08	0.08	0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.07	0.07	0.05	0.03	0.01	0.01	0.01	0.03	0.02	0.08	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.04	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.06	0.03	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.08	-0.04	0.04	0.06	0.07	0.07	0.09	0.09	0.05	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	-0.01	0.05	0.06	0.02	0.01	-0.01	0.00	0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.05	-0.01	0.01	0.03	0.00	0.01	0.03	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.05	-0.02	0.01	0.04	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	-0.03	-0.02	0.00	0.04	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.01	0.03	0.00	-0.01	0.00	0.01	0.00	0.00	0.00
HWQ14 - Lake Washington	0.01	-0.05	-0.01	0.01	0.02	0.00	0.00	0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 3985	0.01	-0.02	0.00	0.00	0.01	0.00	0.02	0.03	0.01	0.01	0.00	0.01
CRMS 0258	-0.01	-0.02	0.00	0.01	0.01	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0224	-0.01	-0.03	-0.01	0.02	0.02	0.00	-0.01	-0.02	-0.01	-0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00

Figure WQ PO4 143 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.12	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.08	0.06	0.06	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.13	0.07	0.04	0.05	0.07	0.07	0.05	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.11	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.03	0.04	0.05	0.07	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.05	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.13	0.15	0.15	0.10	0.07	0.08	0.10	0.09	0.08	0.07	0.08	0.10
CRMS 0258	0.16	0.13	0.11	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.15	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.07	0.09	0.07	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

V3PR6 HYST - cy 3 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.12	0.08	0.07	0.08	0.07	0.06	0.08	0.06	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.09	0.08	0.07	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.06	0.02	0.04	0.13	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.09	0.06	0.05	0.06	0.11	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.10	0.07	0.04	0.04	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.10	0.09	0.10	0.09	0.08	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.08	0.07	0.07	0.08	0.06	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.08	0.08	0.07	0.05	0.06	0.11	0.14
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.08	0.07	0.08	0.08	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.12	0.11	0.13	0.10	0.09	0.09	0.07	0.07	0.08	0.09	0.12	0.12
CRMS 0258	0.12	0.11	0.12	0.10	0.06	0.06	0.06	0.02	0.01	0.01	0.11	0.15
CRMS 0224	0.11	0.11	0.12	0.11	0.08	0.09	0.09	0.05	0.02	0.02	0.10	0.14
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.09	0.07	0.09	0.08	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.02	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.00	-0.01	-0.01	0.00	0.02	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.06	-0.01	0.08	0.09	0.10	0.09	0.05	0.01	0.03	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.03	0.05	0.06	0.03	-0.01	-0.01	0.01	0.04	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.05	0.07	0.08	0.06	0.01	-0.01	0.00	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.04	0.06	0.07	0.04	0.01	-0.01	0.00	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.04	0.06	0.06	0.05	0.02	-0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.02	-0.05	0.01	0.02	0.04	0.04	0.02	-0.01	-0.01	0.01	0.03	0.03
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.04	-0.02	0.00	0.01	0.01	-0.02	-0.02	0.00	0.01	0.04	0.02
CRMS 0258	-0.04	-0.02	0.02	0.06	0.05	0.05	0.05	0.01	0.00	0.00	0.02	0.02
CRMS 0224	-0.04	-0.02	0.02	0.06	0.07	0.08	0.08	0.03	0.00	0.01	0.02	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 144 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.09	0.06	0.05	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.10	0.07	0.08	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.02	0.02	0.04	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.02	0.03	0.05	0.07	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.09	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.11	0.12	0.09	0.06	0.05	0.07	0.09	0.10	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.13	0.10	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.09	0.09
CRMS 0224	0.12	0.12	0.11	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR6 HYST - cy 3 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.06	0.08	0.07	0.10	0.09	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.09	0.07	0.09	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.13	0.06	0.08	0.08	0.16	0.12	0.03	0.02	0.03	0.12	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.11	0.05	0.06	0.06	0.11	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.12	0.06	0.08	0.08	0.15	0.12	0.05	0.04	0.04	0.10	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.06	0.08	0.08	0.14	0.11	0.07	0.06	0.05	0.09	0.06
USGS073802516 Barataria Pass at Grand Isle	0.08	0.11	0.07	0.07	0.07	0.09	0.08	0.05	0.05	0.04	0.09	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.07	0.07	0.10	0.10	0.07	0.06	0.06	0.11	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.08	0.07	0.06	0.07	0.07
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.12	0.09	0.09	0.09	0.09	0.11	0.07
CRMS 0258	0.11	0.13	0.07	0.09	0.08	0.12	0.07	0.01	0.01	0.01	0.11	0.07
CRMS 0224	0.09	0.12	0.07	0.09	0.08	0.15	0.11	0.03	0.02	0.03	0.10	0.06
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.10	0.07	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.10	-0.06	0.05	0.07	0.15	0.11	0.09	0.08	0.08	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.01	0.03	0.00	0.00	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.04	-0.07	0.05	0.07	0.15	0.12	0.02	0.01	0.02	0.04	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.04	0.03	0.05	0.11	0.05	-0.02	0.00	0.01	0.02	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.04	0.06	0.13	0.08	0.00	-0.01	0.00	0.03	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.03	0.03	0.05	0.11	0.06	0.00	-0.01	0.00	0.03	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.05	0.08	0.06	0.02	0.00	0.01	0.02	-0.03
HWQ14 - Lake Washington	-0.03	-0.01	-0.02	0.03	0.05	0.06	0.04	0.00	-0.01	0.01	0.02	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.02	0.01
CRMS 3985	-0.01	0.00	-0.02	0.02	0.03	0.05	0.00	-0.01	0.00	0.01	0.02	-0.02
CRMS 0258	-0.03	0.00	-0.02	0.04	0.06	0.11	0.06	0.00	0.00	0.00	0.02	-0.02
CRMS 0224	-0.03	-0.01	-0.04	0.04	0.07	0.14	0.10	0.01	0.00	0.01	0.03	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 145 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.15	0.10	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.02	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.11	0.06	0.03	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.08	0.05	0.03	0.04	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.01	0.02	0.02	0.04	0.06	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.03	0.07	0.05	0.06	0.07
CRMS 3985	0.12	0.12	0.13	0.08	0.06	0.07	0.10	0.10	0.08	0.07	0.09	0.10
CRMS 0258	0.14	0.11	0.09	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.13	0.11	0.09	0.04	0.01	0.01	0.01	0.02	0.03	0.02	0.09	0.12
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.13	0.05	0.04	0.08	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.05	0.07	0.06	0.06

V3PR7 HYST - cy 3 - 2002 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.07	0.10	0.09	0.12	0.10	0.10	0.09	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.09	0.08	0.08	0.09	0.06	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.10	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.08	0.10	0.10	0.09	0.12	0.05	0.02	0.02	0.03	0.10	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.10	0.10	0.10	0.12	0.06	0.06	0.06	0.06	0.10	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.09	0.10	0.10	0.12	0.05	0.03	0.04	0.04	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.09	0.10	0.10	0.12	0.06	0.05	0.06	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.08	0.08	0.09	0.08	0.08	0.08	0.05	0.04	0.06	0.04	0.08	0.10
HWQ14 - Lake Washington	0.10	0.09	0.10	0.08	0.08	0.09	0.07	0.06	0.07	0.06	0.10	0.12
HWQ16 - Bayou Grand Liard	0.06	0.07	0.08	0.08	0.08	0.09	0.08	0.04	0.07	0.06	0.07	0.07
CRMS 3985	0.10	0.09	0.11	0.09	0.09	0.10	0.09	0.10	0.09	0.08	0.10	0.11
CRMS 0258	0.11	0.09	0.10	0.10	0.08	0.09	0.01	0.01	0.01	0.01	0.10	0.12
CRMS 0224	0.10	0.08	0.10	0.10	0.09	0.11	0.03	0.01	0.02	0.02	0.09	0.11
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.12	0.05	0.04	0.09	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.06	0.06	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.03	0.06	0.09	0.11	0.10	0.08	0.08	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	0.00	0.07	0.09	0.12	0.04	0.00	0.00	0.01	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.06	0.07	-0.01	-0.02	0.00	0.01	0.02	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.05	0.00	0.05	0.08	0.10	0.01	-0.02	-0.01	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.01	0.04	0.07	0.08	0.01	-0.01	0.00	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.04	0.06	0.07	0.02	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.04	-0.05	0.00	0.03	0.05	0.05	0.01	-0.02	0.00	0.01	0.02	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.01	0.00	0.01	0.00	0.00
CRMS 3985	-0.02	-0.03	-0.02	0.01	0.03	0.02	-0.01	0.01	0.01	0.01	0.01	0.01
CRMS 0258	-0.03	-0.02	0.02	0.06	0.07	0.08	0.00	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.03	-0.03	0.02	0.06	0.08	0.10	0.02	-0.01	0.00	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00

Figure WQ PO4 146 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.14	0.10	0.04	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.09	0.07	0.04	0.05	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.04	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.06	0.03	0.03	0.05	0.06	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.06	0.10
HWQ14 - Lake Washington	0.13	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.04	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.09	0.07	0.08	0.10	0.10	0.08	0.07	0.09	0.09
CRMS 0258	0.13	0.11	0.09	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.11	0.09	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

V3PR7 HYST - cy 3 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.09	0.10	0.13	0.12	0.09	0.09	0.08	0.08	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.09	0.07	0.04	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.06	0.07	0.06	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.09	0.10	0.13	0.07	0.03	0.02	0.02	0.03	0.11	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.07	0.06	0.07	0.07	0.06	0.11	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.04	0.05	0.04	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.13	0.07	0.04	0.06	0.07	0.05	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.09	0.09	0.05	0.03	0.04	0.06	0.04	0.08	0.10
HWQ14 - Lake Washington	0.10	0.09	0.10	0.09	0.09	0.06	0.06	0.07	0.07	0.06	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.10	0.09	0.07	0.05	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.09	0.11	0.10	0.11	0.08	0.09	0.11	0.09	0.09	0.10	0.09
CRMS 0258	0.09	0.09	0.10	0.11	0.11	0.01	0.01	0.01	0.01	0.01	0.10	0.09
CRMS 0224	0.09	0.08	0.10	0.11	0.13	0.03	0.01	0.01	0.03	0.02	0.10	0.09
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.07	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.01	0.06	0.12	0.11	0.08	0.07	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	0.00	0.07	0.13	0.07	0.02	0.00	0.01	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.09	0.02	-0.01	-0.01	0.01	0.01	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.04	0.00	0.06	0.11	0.04	0.00	-0.02	0.00	0.00	0.03	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.05	0.09	0.03	-0.01	-0.01	0.00	0.00	0.03	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.01	0.05	0.07	0.04	0.01	0.00	0.01	0.01	0.02	0.00
HWQ14 - Lake Washington	-0.03	-0.05	0.00	0.04	0.06	0.02	0.00	-0.02	0.01	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.01	0.00	0.01	0.02	0.01
CRMS 3985	-0.01	-0.03	-0.01	0.02	0.04	0.01	-0.01	0.01	0.01	0.01	0.02	0.00
CRMS 0258	-0.04	-0.02	0.01	0.06	0.10	0.00	0.00	0.00	0.00	0.00	0.02	-0.01
CRMS 0224	-0.04	-0.03	0.01	0.06	0.11	0.02	0.00	-0.01	0.00	0.01	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ PO4 147 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.07	0.05	0.06	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.06	0.03	0.03	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.10	0.05	0.03	0.05	0.06	0.06	0.05	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.05	0.05	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.09	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.08	0.03	0.01	0.01	0.03	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.02	0.04	0.06	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.10	0.06	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.09
CRMS 0258	0.15	0.09	0.08	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
CRMS 0224	0.14	0.10	0.08	0.03	0.01	0.01	0.02	0.03	0.03	0.03	0.09	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

V3PR7 HYST - cy 3 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.05	0.05	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.07	0.06	0.04	0.03	0.06	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.07	0.09	0.07	0.06	0.03	0.03	0.02	0.02	0.03	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.07	0.09	0.06	0.06	0.05	0.07	0.09	0.06	0.06	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.06	0.07	0.05	0.06	0.02	0.03	0.04	0.05	0.03	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.07	0.05	0.06	0.02	0.03	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.06	0.04	0.04	0.02	0.02	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.08	0.08	0.04	0.04	0.04	0.06	0.08	0.07	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.06	0.05	0.06	0.07
CRMS 3985	0.11	0.08	0.10	0.06	0.06	0.07	0.10	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.08	0.08	0.04	0.02	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.07	0.07	0.05	0.03	0.01	0.01	0.01	0.03	0.02	0.08	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.04	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.06	0.03	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.08	-0.04	0.04	0.06	0.07	0.07	0.09	0.09	0.05	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.02	0.05	0.06	0.02	0.01	0.00	0.00	0.01	0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.05	-0.01	0.01	0.03	0.00	0.01	0.03	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.05	-0.02	0.01	0.04	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	-0.03	-0.01	0.00	0.04	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.01	0.03	0.00	-0.01	0.00	0.01	0.00	0.00	0.00
HWQ14 - Lake Washington	0.01	-0.05	-0.01	0.01	0.02	0.00	0.00	0.01	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 3985	0.01	-0.02	0.00	0.00	0.01	0.00	0.02	0.03	0.01	0.01	0.00	0.01
CRMS 0258	-0.01	-0.02	0.00	0.01	0.01	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0224	-0.01	-0.03	-0.01	0.02	0.02	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00

Figure WQ PO4 148 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.12	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.08	0.06	0.06	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.13	0.07	0.04	0.05	0.07	0.07	0.05	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.11	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.03	0.04	0.05	0.07	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.05	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.13	0.15	0.15	0.10	0.07	0.08	0.10	0.09	0.08	0.07	0.08	0.10
CRMS 0258	0.16	0.13	0.11	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.15	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.07	0.09	0.07	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

V3PR7 HYST - cy 3 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.12	0.08	0.07	0.08	0.07	0.06	0.08	0.06	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.12	0.10	0.09	0.09	0.08	0.07	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.10	0.07	0.02	0.04	0.12	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.11	0.11	0.09	0.11	0.09	0.06	0.05	0.06	0.11	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.10	0.07	0.04	0.04	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.10	0.09	0.10	0.09	0.08	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.08	0.07	0.07	0.08	0.06	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.08	0.08	0.07	0.05	0.06	0.11	0.14
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.08	0.08	0.08	0.08	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.12	0.11	0.13	0.10	0.09	0.09	0.07	0.07	0.08	0.09	0.12	0.12
CRMS 0258	0.12	0.11	0.12	0.10	0.06	0.06	0.05	0.02	0.01	0.01	0.11	0.15
CRMS 0224	0.11	0.10	0.12	0.11	0.08	0.09	0.09	0.05	0.02	0.02	0.10	0.14
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.09	0.07	0.09	0.08	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.02	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.01	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.06	-0.01	0.08	0.09	0.10	0.09	0.05	0.01	0.03	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.03	0.05	0.06	0.03	-0.01	-0.01	0.01	0.04	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.05	0.07	0.08	0.06	0.01	-0.01	0.00	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.04	0.06	0.07	0.04	0.01	-0.01	0.00	0.02	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.04	0.06	0.05	0.05	0.02	-0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.02	-0.05	0.01	0.02	0.04	0.04	0.02	-0.01	-0.01	0.01	0.03	0.03
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.04	-0.02	0.00	0.01	0.01	-0.02	-0.02	0.00	0.01	0.04	0.02
CRMS 0258	-0.04	-0.02	0.02	0.06	0.05	0.05	0.05	0.01	0.00	0.00	0.02	0.02
CRMS 0224	-0.04	-0.02	0.02	0.06	0.07	0.08	0.08	0.04	0.00	0.01	0.02	0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 149 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.09	0.06	0.05	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.10	0.07	0.08	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.02	0.02	0.04	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.02	0.03	0.05	0.07	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.09	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.11	0.12	0.09	0.06	0.05	0.07	0.09	0.10	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.13	0.10	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.09	0.09
CRMS 0224	0.12	0.12	0.11	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR7 HYST - cy 3 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.06	0.08	0.07	0.10	0.09	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.09	0.07	0.09	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.12	0.06	0.08	0.08	0.16	0.12	0.04	0.02	0.03	0.11	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.11	0.05	0.06	0.06	0.11	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.12	0.06	0.08	0.08	0.15	0.12	0.05	0.04	0.04	0.10	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.06	0.08	0.08	0.14	0.11	0.07	0.06	0.05	0.09	0.06
USGS073802516 Barataria Pass at Grand Isle	0.08	0.11	0.07	0.07	0.07	0.09	0.08	0.05	0.05	0.04	0.09	0.07
HWQ14 - Lake Washington	0.10	0.13	0.08	0.07	0.07	0.10	0.09	0.07	0.06	0.06	0.11	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.08	0.07	0.06	0.07	0.07
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.12	0.09	0.09	0.09	0.09	0.11	0.08
CRMS 0258	0.11	0.13	0.07	0.09	0.08	0.12	0.06	0.01	0.01	0.01	0.11	0.07
CRMS 0224	0.09	0.12	0.07	0.09	0.08	0.15	0.11	0.03	0.02	0.03	0.10	0.06
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.10	0.07	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.10	-0.06	0.05	0.07	0.15	0.11	0.09	0.08	0.08	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.01	0.03	0.00	0.00	0.00	0.02	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	-0.07	0.05	0.07	0.15	0.12	0.02	0.01	0.02	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.04	0.03	0.05	0.11	0.05	-0.02	0.00	0.01	0.02	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.04	0.06	0.13	0.08	0.00	-0.01	0.00	0.03	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.03	0.03	0.05	0.11	0.06	0.00	-0.01	0.00	0.03	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.05	0.08	0.06	0.02	0.00	0.01	0.02	-0.03
HWQ14 - Lake Washington	-0.03	-0.01	-0.02	0.03	0.05	0.06	0.04	0.00	-0.01	0.01	0.02	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.02	0.01
CRMS 3985	-0.01	0.00	-0.02	0.02	0.03	0.05	0.00	-0.01	0.00	0.01	0.02	-0.02
CRMS 0258	-0.03	0.00	-0.02	0.04	0.06	0.11	0.06	0.00	0.00	0.00	0.02	-0.02
CRMS 0224	-0.03	-0.01	-0.04	0.04	0.07	0.14	0.10	0.01	0.00	0.01	0.03	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 150 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.15	0.10	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.02	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.11	0.06	0.03	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.08	0.05	0.03	0.04	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.01	0.02	0.02	0.04	0.06	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.03	0.07	0.05	0.06	0.07
CRMS 3985	0.12	0.12	0.13	0.08	0.06	0.07	0.10	0.10	0.08	0.07	0.09	0.10
CRMS 0258	0.14	0.11	0.09	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.13	0.11	0.09	0.04	0.01	0.01	0.01	0.02	0.03	0.02	0.09	0.12
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.13	0.05	0.04	0.08	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.05	0.07	0.06	0.06

V3PR8 HYST - cy 3 - 2002 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.07	0.10	0.09	0.12	0.10	0.10	0.09	0.06	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.07	0.08	0.09	0.06	0.05	0.08	0.07	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.09	0.08	0.08	0.08	0.05	0.02	0.06	0.06	0.06	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.08	0.10	0.10	0.09	0.12	0.05	0.02	0.02	0.03	0.10	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.10	0.10	0.10	0.12	0.06	0.07	0.06	0.06	0.10	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.09	0.10	0.10	0.12	0.05	0.03	0.04	0.04	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.09	0.10	0.10	0.12	0.06	0.05	0.06	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.08	0.08	0.09	0.08	0.08	0.08	0.05	0.03	0.06	0.04	0.08	0.10
HWQ14 - Lake Washington	0.10	0.09	0.10	0.08	0.08	0.09	0.07	0.06	0.07	0.07	0.10	0.12
HWQ16 - Bayou Grand Liard	0.06	0.07	0.08	0.08	0.08	0.09	0.07	0.04	0.07	0.06	0.06	0.08
CRMS 3985	0.10	0.09	0.11	0.09	0.09	0.10	0.09	0.11	0.09	0.08	0.10	0.10
CRMS 0258	0.11	0.09	0.10	0.10	0.08	0.09	0.01	0.01	0.01	0.01	0.10	0.13
CRMS 0224	0.10	0.08	0.10	0.10	0.09	0.11	0.03	0.01	0.03	0.02	0.10	0.11
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.12	0.04	0.04	0.09	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.06	0.07	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.03	0.06	0.09	0.11	0.10	0.08	0.08	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.02	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.07	0.00	0.07	0.09	0.12	0.04	0.00	0.00	0.01	0.02	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.06	0.07	-0.01	-0.02	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.05	0.00	0.05	0.08	0.10	0.01	-0.03	-0.01	0.00	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.04	0.07	0.08	0.01	-0.01	-0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.04	0.06	0.07	0.02	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.04	-0.05	0.00	0.03	0.05	0.05	0.01	-0.02	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.03	-0.01	0.01	0.03	0.02	-0.01	0.01	0.01	0.01	0.01	0.01
CRMS 0258	-0.03	-0.02	0.02	0.06	0.07	0.08	0.00	0.00	0.00	0.00	0.01	0.00
CRMS 0224	-0.03	-0.03	0.02	0.06	0.08	0.11	0.02	-0.01	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00	0.00

Figure WQ PO4 151 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.14	0.10	0.04	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.09	0.07	0.04	0.05	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.04	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.06	0.03	0.03	0.05	0.06	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.06	0.10
HWQ14 - Lake Washington	0.13	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.04	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.09	0.07	0.08	0.10	0.10	0.08	0.07	0.09	0.09
CRMS 0258	0.13	0.11	0.09	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.11	0.09	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

V3PR8 HYST - cy 3 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.08	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.09	0.09	0.07	0.04	0.06	0.08	0.06	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.09	0.09	0.06	0.04	0.04	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.09	0.10	0.13	0.07	0.03	0.02	0.02	0.03	0.11	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.07	0.06	0.07	0.07	0.06	0.10	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.03	0.05	0.04	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.13	0.06	0.04	0.06	0.07	0.05	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.09	0.09	0.05	0.03	0.04	0.07	0.05	0.08	0.09
HWQ14 - Lake Washington	0.10	0.09	0.11	0.09	0.09	0.06	0.06	0.07	0.07	0.07	0.10	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.10	0.09	0.10	0.09	0.06	0.05	0.07	0.06	0.05	0.07
CRMS 3985	0.10	0.09	0.11	0.10	0.11	0.08	0.09	0.11	0.09	0.09	0.10	0.09
CRMS 0258	0.09	0.09	0.10	0.11	0.12	0.01	0.01	0.01	0.01	0.01	0.10	0.09
CRMS 0224	0.09	0.08	0.10	0.11	0.13	0.03	0.01	0.01	0.03	0.02	0.09	0.09
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.05	0.05	0.08	0.07	0.06	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.07	0.06	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.01	0.06	0.12	0.11	0.08	0.07	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	-0.01	0.01	0.00	0.00	0.00	-0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.03	-0.01	-0.02	-0.02	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	0.00	0.07	0.12	0.07	0.02	0.00	0.01	0.02	0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.09	0.02	-0.01	-0.01	0.01	0.01	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.04	0.00	0.06	0.11	0.04	-0.01	-0.02	0.00	0.00	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.05	0.09	0.03	-0.01	-0.01	0.00	0.00	0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.01	0.05	0.07	0.04	0.01	0.00	0.01	0.02	0.02	0.00
HWQ14 - Lake Washington	-0.03	-0.05	0.00	0.04	0.06	0.02	0.01	-0.01	0.01	0.01	0.02	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.01	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.01	0.02	0.04	0.01	-0.01	0.01	0.01	0.01	0.01	0.00
CRMS 0258	-0.04	-0.02	0.01	0.06	0.10	0.00	0.00	0.00	0.00	0.00	0.02	-0.01
CRMS 0224	-0.04	-0.03	0.01	0.06	0.11	0.02	0.00	-0.01	0.01	0.01	0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ PO4 152 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.07	0.05	0.06	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.06	0.03	0.03	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.10	0.05	0.03	0.05	0.06	0.06	0.05	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.05	0.05	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.09	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.08	0.03	0.01	0.01	0.03	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.02	0.04	0.06	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.10	0.06	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.09
CRMS 0258	0.15	0.09	0.08	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
CRMS 0224	0.14	0.10	0.08	0.03	0.01	0.01	0.02	0.03	0.03	0.03	0.09	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

V3PR8 HYST - cy 3 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.06	0.05	0.05	0.05	0.04	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.02	0.01	0.05	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.07	0.09	0.07	0.06	0.03	0.03	0.02	0.02	0.03	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.06	0.06	0.05	0.07	0.09	0.06	0.06	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.06	0.07	0.05	0.06	0.02	0.03	0.04	0.05	0.03	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.07	0.05	0.06	0.02	0.03	0.05	0.06	0.05	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.07	0.04	0.03	0.01	0.02	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.08	0.08	0.04	0.04	0.04	0.07	0.09	0.07	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.06	0.05	0.05	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.06	0.07	0.10	0.11	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.07	0.08	0.04	0.02	0.01	0.01	0.01	0.03	0.01	0.09	0.11
CRMS 0224	0.13	0.07	0.07	0.05	0.03	0.01	0.01	0.01	0.03	0.02	0.08	0.11
CRMS 0163	0.06	0.06	0.06	0.07	0.07	0.06	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.06	0.03	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.08	-0.04	0.04	0.06	0.07	0.07	0.09	0.09	0.05	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.01	-0.01	-0.03	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.07	-0.02	0.05	0.06	0.02	0.01	0.00	0.00	0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.05	-0.01	0.01	0.03	0.00	0.01	0.03	0.01	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.05	-0.02	0.01	0.04	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	-0.03	-0.01	0.00	0.04	0.00	-0.02	-0.01	0.00	-0.01	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.04	-0.02	0.01	0.02	0.00	-0.01	0.00	0.01	0.00	0.00	0.01
HWQ14 - Lake Washington	0.00	-0.05	-0.01	0.01	0.02	0.00	0.00	0.02	0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 3985	0.00	-0.02	0.00	0.00	0.01	0.00	0.02	0.03	0.01	0.01	0.00	0.00
CRMS 0258	-0.01	-0.02	0.00	0.01	0.01	0.00	0.00	-0.01	0.00	-0.01	0.00	0.01
CRMS 0224	-0.01	-0.03	-0.01	0.02	0.02	0.00	-0.01	-0.02	0.00	-0.01	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00

Figure WQ PO4 153 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.12	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.08	0.06	0.06	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.13	0.07	0.04	0.05	0.07	0.07	0.05	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.11	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.03	0.04	0.05	0.07	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.05	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.13	0.15	0.15	0.10	0.07	0.08	0.10	0.09	0.08	0.07	0.08	0.10
CRMS 0258	0.16	0.13	0.11	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.15	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.07	0.09	0.07	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

V3PR8 HYST - cy 3 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.10	0.12	0.08	0.07	0.08	0.07	0.07	0.08	0.07	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.08	0.07	0.08	0.06	0.05	0.08	0.06	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.10	0.07	0.02	0.04	0.13	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.11	0.11	0.09	0.11	0.09	0.06	0.05	0.06	0.11	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.10	0.07	0.04	0.04	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.10	0.09	0.10	0.09	0.08	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.08	0.07	0.07	0.08	0.06	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.08	0.08	0.07	0.05	0.06	0.11	0.14
HWQ16 - Bayou Grand Liard	0.10	0.10	0.11	0.08	0.07	0.08	0.08	0.07	0.07	0.06	0.06	0.08
CRMS 3985	0.12	0.11	0.13	0.10	0.08	0.09	0.07	0.08	0.08	0.09	0.11	0.12
CRMS 0258	0.12	0.11	0.12	0.10	0.07	0.06	0.06	0.02	0.01	0.01	0.11	0.13
CRMS 0224	0.11	0.10	0.12	0.11	0.08	0.09	0.09	0.05	0.02	0.02	0.10	0.13
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.08	0.06	0.09	0.08	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.07	-0.02	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.00	-0.01	-0.01	0.00	0.02	0.01	0.00	0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.02	-0.02	-0.03	-0.03	0.00	0.00	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.06	-0.01	0.08	0.09	0.10	0.09	0.05	0.01	0.03	0.05	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.02	0.03	0.05	0.06	0.02	-0.01	-0.01	0.01	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.04	0.00	0.05	0.07	0.08	0.06	0.01	-0.01	0.00	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.01	0.04	0.06	0.07	0.04	0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.04	0.06	0.05	0.05	0.02	-0.01	0.01	0.02	0.02
HWQ14 - Lake Washington	-0.02	-0.05	0.01	0.02	0.04	0.04	0.02	-0.01	-0.01	0.01	0.03	0.03
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.04	-0.02	0.00	0.01	0.01	-0.02	-0.02	0.00	0.01	0.03	0.01
CRMS 0258	-0.04	-0.02	0.02	0.06	0.06	0.05	0.05	0.02	0.00	0.00	0.02	0.01
CRMS 0224	-0.04	-0.02	0.02	0.06	0.07	0.09	0.09	0.04	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 154 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.09	0.06	0.05	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.10	0.07	0.08	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.02	0.02	0.04	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.02	0.03	0.05	0.07	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.09	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.11	0.12	0.09	0.06	0.05	0.07	0.09	0.10	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.13	0.10	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.09	0.09
CRMS 0224	0.12	0.12	0.11	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR8 HYST - cy 3 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.07	0.07	0.07	0.10	0.09	0.06	0.08	0.07	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.07	0.10	0.07	0.05	0.07	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.12	0.06	0.08	0.08	0.16	0.12	0.04	0.02	0.04	0.11	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.06	0.08	0.08	0.15	0.11	0.05	0.06	0.06	0.11	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.12	0.06	0.08	0.08	0.15	0.12	0.05	0.04	0.04	0.09	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.06	0.08	0.08	0.14	0.11	0.07	0.06	0.05	0.08	0.06
USGS073802516 Barataria Pass at Grand Isle	0.08	0.11	0.07	0.07	0.07	0.09	0.08	0.05	0.05	0.04	0.09	0.07
HWQ14 - Lake Washington	0.10	0.13	0.08	0.07	0.07	0.09	0.09	0.07	0.06	0.06	0.11	0.08
HWQ16 - Bayou Grand Liard	0.06	0.08	0.06	0.07	0.07	0.10	0.09	0.08	0.07	0.06	0.05	0.06
CRMS 3985	0.10	0.11	0.07	0.08	0.08	0.12	0.09	0.09	0.09	0.09	0.11	0.08
CRMS 0258	0.11	0.13	0.07	0.09	0.08	0.12	0.07	0.01	0.01	0.01	0.10	0.06
CRMS 0224	0.09	0.12	0.07	0.09	0.08	0.15	0.11	0.03	0.02	0.02	0.10	0.06
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.09	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.10	-0.06	0.05	0.07	0.15	0.11	0.09	0.08	0.08	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.01	0.03	0.01	0.00	0.01	-0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.03	-0.02	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	-0.07	0.05	0.07	0.15	0.12	0.03	0.01	0.03	0.03	-0.06
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.04	0.03	0.05	0.11	0.05	-0.02	0.00	0.01	0.02	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.04	0.06	0.13	0.08	0.00	-0.01	0.00	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.03	0.03	0.05	0.11	0.06	0.00	-0.01	0.00	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.05	0.07	0.06	0.02	0.00	0.01	0.02	-0.03
HWQ14 - Lake Washington	-0.03	-0.01	-0.02	0.03	0.05	0.06	0.04	0.00	-0.01	0.01	0.02	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.01	0.00	-0.02	0.02	0.03	0.05	0.00	-0.01	0.00	0.01	0.02	-0.02
CRMS 0258	-0.03	0.00	-0.02	0.04	0.06	0.11	0.06	0.00	0.00	0.00	0.02	-0.03
CRMS 0224	-0.03	-0.01	-0.04	0.04	0.07	0.14	0.10	0.01	0.00	0.01	0.02	-0.04
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 155 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.15	0.10	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.08	0.08	0.08	0.08	0.05	0.05	0.07	0.06	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.08	0.09	0.10	0.11	0.06	0.04	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.03	0.01	0.01	0.01	0.02	0.01	0.02	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.11	0.06	0.03	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.08	0.05	0.03	0.04	0.05	0.06	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.01	0.02	0.02	0.04	0.06	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.03	0.07	0.05	0.06	0.07
CRMS 3985	0.12	0.12	0.13	0.08	0.06	0.07	0.10	0.10	0.08	0.07	0.09	0.10
CRMS 0258	0.14	0.11	0.09	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.13	0.11	0.09	0.04	0.01	0.01	0.01	0.02	0.03	0.02	0.09	0.12
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.13	0.05	0.04	0.08	0.07	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.09	0.05	0.07	0.06	0.06

V3PR9 HYST - cy 3 - 2002 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.15	0.11	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.09	0.08	0.08	0.08	0.05	0.05	0.08	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.09	0.09	0.08	0.09	0.05	0.02	0.06	0.05	0.06	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.11	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.12	0.05	0.03	0.04	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.05	0.01	0.02	0.03	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.01	0.01	0.02	0.04	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.14	0.14	0.11	0.04	0.02	0.04	0.06	0.08	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.08	0.07	0.07	0.07	0.07	0.03	0.06	0.04	0.05	0.07
CRMS 3985	0.12	0.12	0.12	0.07	0.05	0.07	0.09	0.10	0.08	0.07	0.09	0.10
CRMS 0258	0.15	0.11	0.09	0.04	0.01	0.01	0.01	0.01	0.03	0.02	0.07	0.12
CRMS 0224	0.14	0.12	0.09	0.04	0.01	0.01	0.01	0.02	0.03	0.03	0.07	0.11
CRMS 0163	0.08	0.08	0.08	0.10	0.10	0.12	0.04	0.03	0.08	0.06	0.06	0.06
CRMS 0162	0.08	0.08	0.08	0.10	0.10	0.13	0.11	0.08	0.05	0.07	0.06	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.01	0.00	-0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.01	-0.02	-0.02	-0.01	-0.02	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.02	0.00
CRMS 3985	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	-0.02	-0.01
CRMS 0224	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	-0.02	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00

Figure WQ PO4 156 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.14	0.10	0.04	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.09	0.07	0.04	0.05	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.12	0.08	0.06	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.07	0.04	0.05	0.07	0.08	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.05	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.06	0.03	0.03	0.05	0.06	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.06	0.10
HWQ14 - Lake Washington	0.13	0.14	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.04	0.07	0.05	0.04	0.06
CRMS 3985	0.11	0.12	0.12	0.09	0.07	0.08	0.10	0.10	0.08	0.07	0.09	0.09
CRMS 0258	0.13	0.11	0.09	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.10
CRMS 0224	0.13	0.11	0.09	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.11
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.06	0.05	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

V3PR9 HYST - cy 3 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.10	0.03	0.01	0.00	0.01	0.02	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.09	0.09	0.07	0.04	0.05	0.08	0.05	0.04	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.09	0.09	0.07	0.04	0.04	0.06	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.10	0.03	0.01	0.01	0.01	0.03	0.01	0.02	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.06	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.09	0.04	0.02	0.02	0.04	0.06	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.01	0.02	0.04	0.06	0.03	0.06	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.05	0.03	0.04	0.07	0.09	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.07	0.06	0.04	0.07	0.04	0.04	0.06
CRMS 3985	0.11	0.12	0.10	0.08	0.06	0.08	0.10	0.09	0.08	0.07	0.09	0.10
CRMS 0258	0.14	0.11	0.09	0.05	0.01	0.01	0.01	0.01	0.03	0.01	0.07	0.09
CRMS 0224	0.13	0.12	0.09	0.04	0.01	0.01	0.01	0.02	0.03	0.02	0.06	0.10
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.10	0.04	0.04	0.08	0.07	0.06	0.06
CRMS 0162	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.09	0.06	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.03	-0.01	-0.02	-0.02	-0.01	-0.01	0.00	0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 3985	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.02	0.00	-0.01	-0.01
CRMS 0224	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	0.01	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 157 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.07	0.05	0.06	0.05	0.03	0.05	0.07	0.06	0.06	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.06	0.03	0.03	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.14	0.10	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.10	0.05	0.03	0.05	0.06	0.06	0.05	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.05	0.05	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.09	0.08	0.04	0.02	0.02	0.05	0.05	0.06	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.08	0.03	0.01	0.01	0.03	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.04	0.02	0.04	0.06	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.10	0.06	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.09
CRMS 0258	0.15	0.09	0.08	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.08	0.10
CRMS 0224	0.14	0.10	0.08	0.03	0.01	0.01	0.02	0.03	0.03	0.03	0.09	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.02	0.03	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.05	0.03	0.06	0.05	0.06

V3PR9 HYST - cy 3 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.07	0.05	0.05	0.05	0.04	0.05	0.07	0.05	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.05	0.04	0.02	0.01	0.04	0.05	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.14	0.11	0.03	0.01	0.01	0.02	0.03	0.02	0.03	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.12	0.10	0.05	0.02	0.05	0.06	0.06	0.05	0.05	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.04	0.01	0.02	0.04	0.05	0.05	0.05	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.08	0.05	0.02	0.02	0.05	0.05	0.06	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.08	0.03	0.01	0.01	0.03	0.04	0.05	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.04	0.02	0.04	0.07	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.07	0.05	0.05	0.05	0.04	0.03	0.05	0.04	0.05	0.07
CRMS 3985	0.11	0.10	0.10	0.06	0.05	0.06	0.08	0.08	0.08	0.07	0.08	0.09
CRMS 0258	0.16	0.10	0.10	0.03	0.01	0.01	0.01	0.02	0.04	0.06	0.08	0.10
CRMS 0224	0.14	0.11	0.09	0.03	0.01	0.01	0.02	0.03	0.04	0.05	0.07	0.10
CRMS 0163	0.06	0.06	0.06	0.07	0.07	0.06	0.01	0.03	0.06	0.06	0.05	0.06
CRMS 0162	0.06	0.06	0.06	0.07	0.06	0.07	0.07	0.04	0.03	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.01	-0.02	-0.04	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.04	-0.01	0.00
CRMS 0224	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.02	-0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 158 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.16	0.12	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.08	0.06	0.06	0.07	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.16	0.11	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.13	0.07	0.04	0.05	0.07	0.07	0.05	0.05	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.11	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.06	0.03	0.04	0.05	0.07	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.05	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.03	0.04	0.06	0.08	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.13	0.15	0.15	0.10	0.07	0.08	0.10	0.09	0.08	0.07	0.08	0.10
CRMS 0258	0.16	0.13	0.11	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.09	0.13
CRMS 0224	0.15	0.13	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.12
CRMS 0163	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.07	0.09	0.07	0.08	0.06
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

V3PR9 HYST - cy 3 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.17	0.12	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.08	0.07	0.07	0.05	0.06	0.08	0.07	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.12	0.08	0.07	0.08	0.07	0.05	0.07	0.06	0.07	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.17	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.13	0.07	0.04	0.05	0.06	0.06	0.05	0.05	0.09	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.14	0.11	0.05	0.02	0.02	0.05	0.05	0.04	0.03	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.12	0.12	0.10	0.05	0.02	0.03	0.06	0.06	0.06	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.04	0.01	0.02	0.03	0.04	0.05	0.03	0.06	0.10
HWQ14 - Lake Washington	0.14	0.16	0.12	0.06	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.12	0.14	0.13	0.10	0.07	0.08	0.09	0.09	0.08	0.07	0.10	0.09
CRMS 0258	0.16	0.13	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS 0224	0.15	0.13	0.10	0.03	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.11
CRMS 0163	0.10	0.10	0.11	0.11	0.09	0.11	0.08	0.06	0.08	0.07	0.08	0.07
CRMS 0162	0.10	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	-0.03	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	-0.02	-0.02	-0.02	-0.02	-0.02	-0.01	0.00	-0.01	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.01	0.00	-0.01	0.00	0.00	0.01	0.00	-0.01	0.00	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	-0.01	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.01	0.02	-0.01	0.00	0.00	0.00	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01
CRMS 3985	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.02	-0.01
CRMS 0258	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02
CRMS 0224	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 159 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.11	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.09	0.06	0.05	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.13	0.10	0.07	0.08	0.06	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.12	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.13	0.10	0.04	0.02	0.02	0.04	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.09	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.02	0.02	0.04	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.02	0.03	0.05	0.07	0.07	0.05	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.06	0.06	0.08	0.09	0.07	0.07	0.06	0.05	0.06
CRMS 3985	0.11	0.12	0.09	0.06	0.05	0.07	0.09	0.10	0.09	0.08	0.09	0.10
CRMS 0258	0.14	0.13	0.10	0.05	0.02	0.01	0.01	0.01	0.01	0.01	0.09	0.09
CRMS 0224	0.12	0.12	0.11	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR9 HYST - cy 3 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.10	0.03	0.01	0.00	0.01	0.01	0.01	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.07	0.07	0.09	0.06	0.05	0.08	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.10	0.07	0.05	0.07	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.17	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.03	0.04	0.06	0.08	0.06	0.05	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.10	0.04	0.01	0.02	0.03	0.05	0.05	0.04	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.09	0.05	0.03	0.03	0.05	0.06	0.07	0.05	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.09	0.04	0.02	0.02	0.02	0.04	0.06	0.03	0.06	0.09
HWQ14 - Lake Washington	0.13	0.14	0.10	0.04	0.02	0.04	0.06	0.07	0.07	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.05	0.06	0.06	0.08	0.09	0.07	0.07	0.06	0.04	0.06
CRMS 3985	0.11	0.12	0.09	0.06	0.05	0.07	0.09	0.10	0.08	0.08	0.10	0.10
CRMS 0258	0.14	0.12	0.06	0.05	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.09
CRMS 0224	0.13	0.12	0.08	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.10	0.06	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.01	0.00	0.00	0.00	-0.03	-0.02	-0.02	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	-0.01	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0224	0.00	0.00	-0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 160 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.09	0.12	0.11	0.08	0.07	0.08	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.13	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.04	0.05	0.04	0.04	0.08	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.11	0.08	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.09	0.08	0.06	0.05	0.05	0.07	0.08	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.11	0.08	0.05	0.03	0.02	0.04	0.05	0.06	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.04	0.02	0.03	0.05	0.05	0.05	0.04	0.07	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.06	0.07	0.08
CRMS 3985	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.06	0.06	0.09	0.11
CRMS 0258	0.14	0.08	0.07	0.06	0.04	0.02	0.01	0.01	0.03	0.01	0.08	0.13
CRMS 0224	0.14	0.09	0.07	0.06	0.03	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.08	0.08	0.08	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.07

V3PR2 HYST - cy 4 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.07	0.09	0.10
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.12	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.08	0.09	0.15	0.14	0.13	0.04	0.01	0.03	0.12	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.08	0.08	0.09	0.06	0.06	0.04	0.05	0.04	0.10	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.08	0.08	0.08	0.09	0.07	0.08	0.05	0.05	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.08	0.08	0.08	0.07	0.09	0.08	0.07	0.06	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.09	0.08	0.06	0.06	0.04	0.06	0.06	0.06	0.05	0.09	0.12
HWQ14 - Lake Washington	0.12	0.10	0.08	0.06	0.06	0.05	0.07	0.06	0.05	0.05	0.09	0.13
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.09
CRMS 3985	0.11	0.09	0.09	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.10	0.12
CRMS 0258	0.10	0.07	0.08	0.07	0.06	0.03	0.05	0.01	0.03	0.02	0.10	0.13
CRMS 0224	0.10	0.07	0.08	0.08	0.07	0.06	0.07	0.04	0.04	0.04	0.09	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.09	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.07	-0.01	0.05	0.13	0.12	0.12	0.09	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.05	0.01	0.06	0.14	0.13	0.13	0.03	0.00	0.03	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.01	0.03	0.07	0.04	0.02	-0.01	0.00	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.00	0.02	0.06	0.04	0.03	0.00	-0.01	0.02	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.01	0.04	0.03	0.02	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.00	0.01	0.03	0.02	0.02	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.01	0.04	0.02	0.02	0.01	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.02	-0.01	0.01	0.04	0.01	-0.01	-0.01	0.00	0.00	0.01	0.01
CRMS 0258	-0.04	-0.01	0.01	0.01	0.02	0.02	0.04	0.01	0.00	0.01	0.01	-0.01
CRMS 0224	-0.04	-0.02	0.01	0.02	0.04	0.04	0.06	0.01	0.00	0.02	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 161 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.09	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.07	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.11	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.13	0.08	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.06	0.02	0.03	0.05	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.09	0.06	0.03	0.03	0.04	0.06	0.06	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.07	0.05	0.05	0.06	0.07	0.08	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.05	0.03	0.02	0.03	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.05	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.09	0.09	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.11	0.12	0.12	0.08	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.10	0.09	0.07	0.03	0.01	0.01	0.02	0.02	0.01	0.09	0.09
CRMS 0224	0.12	0.10	0.08	0.06	0.03	0.02	0.02	0.04	0.04	0.02	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.05	0.06	0.05

V3PR2 HYST - cy 4 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.10	0.09	0.05	0.06	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.10	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.08	0.10	0.11	0.14	0.04	0.02	0.01	0.01	0.01	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.11	0.10	0.09	0.04	0.04	0.05	0.04	0.03	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.10	0.09	0.09	0.04	0.04	0.04	0.05	0.03	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.09	0.08	0.06	0.06	0.07	0.07	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.09	0.10	0.07	0.06	0.03	0.03	0.05	0.06	0.03	0.07	0.10
HWQ14 - Lake Washington	0.11	0.10	0.10	0.07	0.06	0.04	0.05	0.06	0.05	0.04	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.09	0.08	0.07	0.04	0.07	0.05	0.06	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.07	0.05	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.09	0.09	0.10	0.09	0.06	0.01	0.01	0.01	0.02	0.01	0.10	0.08
CRMS 0224	0.09	0.09	0.10	0.09	0.07	0.02	0.01	0.01	0.03	0.02	0.09	0.09
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	0.00	0.06	0.12	0.11	0.08	0.08	0.07	0.07	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.04	0.02	0.07	0.13	0.04	0.01	-0.01	-0.01	0.00	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	0.00	0.03	0.06	0.01	-0.01	0.00	0.00	0.00	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	0.01	0.03	0.06	0.01	-0.01	-0.02	-0.01	-0.01	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.01	0.01	0.04	0.01	0.00	0.00	-0.01	0.00	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.01	0.01	0.03	0.01	0.00	-0.01	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.02	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.02	-0.01	0.01	0.03	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0258	-0.03	-0.01	0.02	0.02	0.02	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0224	-0.03	-0.01	0.02	0.02	0.04	0.00	-0.01	-0.02	-0.01	0.00	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 162 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.08	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.09	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.07	0.02	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.09	0.04	0.02	0.03	0.04	0.04	0.04	0.03	0.07	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.10	0.08	0.04	0.02	0.02	0.04	0.06	0.06	0.05	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.05	0.03	0.03	0.05	0.05	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.08	0.04	0.01	0.02	0.03	0.06	0.06	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.03	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.04	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.09	0.05	0.03	0.04	0.06	0.06	0.06	0.05	0.07	0.09
CRMS 0258	0.13	0.08	0.07	0.04	0.02	0.01	0.01	0.03	0.04	0.02	0.08	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

V3PR2 HYST - cy 4 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.09	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.05	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.09	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.07	0.09	0.07	0.06	0.01	0.02	0.01	0.01	0.01	0.09	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.08	0.09	0.05	0.04	0.03	0.04	0.04	0.04	0.03	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.08	0.07	0.05	0.04	0.02	0.04	0.05	0.05	0.04	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.05	0.04	0.03	0.05	0.06	0.06	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.07	0.04	0.02	0.01	0.02	0.05	0.05	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.03	0.03	0.05	0.06	0.05	0.03	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.05	0.05	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.04	0.04	0.06	0.07	0.06	0.05	0.07	0.08
CRMS 0258	0.13	0.07	0.07	0.04	0.02	0.01	0.01	0.01	0.02	0.01	0.07	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.03	0.01	0.01	0.02	0.03	0.03	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.05	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.05	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.07	-0.02	0.04	0.06	0.07	0.07	0.09	0.08	0.04	-0.01	-0.02
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.05	0.01	0.04	0.05	0.01	0.01	-0.01	-0.02	-0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.03	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.03	-0.01	0.00	0.02	0.00	-0.01	-0.01	-0.02	-0.02	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.01	0.00	0.01	0.00	-0.01	-0.01	-0.01	-0.02	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.03	-0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0258	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.01	-0.01	0.00	0.00
CRMS 0224	0.00	-0.01	0.00	0.01	0.01	0.00	-0.01	-0.03	-0.02	-0.03	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 163 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.15	0.10	0.04	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.10	0.08	0.09	0.06	0.06	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.12	0.07	0.02	0.03	0.05	0.04	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.06	0.02	0.03	0.05	0.05	0.05	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.07	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.12	0.10	0.05	0.02	0.02	0.03	0.05	0.05	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.05	0.06	0.04	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.13	0.14	0.14	0.09	0.04	0.05	0.07	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.14	0.11	0.10	0.06	0.02	0.02	0.01	0.01	0.03	0.01	0.08	0.12
CRMS 0224	0.14	0.12	0.10	0.06	0.02	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

V3PR2 HYST - cy 4 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.09	0.08	0.09	0.07	0.06	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.08	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.10	0.12	0.11	0.10	0.11	0.10	0.04	0.01	0.01	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.13	0.09	0.07	0.05	0.05	0.04	0.04	0.04	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.11	0.12	0.08	0.07	0.06	0.06	0.05	0.05	0.04	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.12	0.08	0.07	0.07	0.07	0.08	0.07	0.06	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.06	0.05	0.04	0.05	0.06	0.06	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.12	0.12	0.07	0.05	0.05	0.06	0.06	0.05	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.12	0.12	0.13	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.09	0.11
CRMS 0258	0.12	0.11	0.12	0.07	0.03	0.03	0.03	0.02	0.03	0.01	0.09	0.11
CRMS 0224	0.12	0.11	0.12	0.07	0.05	0.05	0.06	0.04	0.04	0.03	0.09	0.12
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	0.00	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.04	0.02	0.08	0.09	0.11	0.09	0.03	0.00	0.01	0.05	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	0.00	0.02	0.05	0.02	0.01	0.00	0.00	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	0.02	0.02	0.04	0.03	0.01	0.00	0.00	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.02	0.01	0.03	0.02	0.01	0.00	0.00	0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.01	0.01	0.03	0.02	0.01	0.01	0.00	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.01	0.01	0.03	0.02	0.01	0.00	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.02	0.00	0.00	0.02	0.00	-0.01	-0.01	0.00	0.00	0.01	0.00
CRMS 0258	-0.02	0.00	0.02	0.01	0.01	0.01	0.03	0.01	0.00	0.00	0.01	-0.01
CRMS 0224	-0.02	-0.01	0.02	0.02	0.03	0.03	0.04	0.02	0.00	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 164 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.08	0.11	0.07	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.12	0.10	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.06	0.04	0.05	0.06	0.08	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.09	0.05	0.02	0.03	0.03	0.05	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.09	0.04	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.06	0.09	0.09	0.07	0.08	0.06	0.06	0.06
CRMS 3985	0.10	0.12	0.09	0.06	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.11	0.08	0.05	0.03	0.02	0.01	0.01	0.03	0.01	0.09	0.08
CRMS 0224	0.11	0.11	0.10	0.05	0.03	0.02	0.02	0.03	0.04	0.02	0.09	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.08	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR2 HYST - cy 4 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.08	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.10	0.08	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.15	0.11	0.09	0.09	0.08	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.11	0.06	0.09	0.08	0.16	0.12	0.02	0.01	0.01	0.10	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.07	0.06	0.07	0.06	0.04	0.04	0.04	0.09	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.07	0.07	0.07	0.08	0.07	0.05	0.05	0.04	0.08	0.07
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.07	0.07	0.06	0.08	0.08	0.08	0.07	0.06	0.08	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.08	0.05	0.05	0.05	0.05	0.05	0.06	0.04	0.08	0.08
HWQ14 - Lake Washington	0.10	0.12	0.09	0.05	0.05	0.05	0.06	0.06	0.05	0.04	0.08	0.09
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.06	0.07	0.09	0.09	0.08	0.08	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.05	0.06	0.06	0.06	0.05	0.08	0.09
CRMS 0258	0.10	0.10	0.07	0.07	0.04	0.05	0.04	0.01	0.03	0.01	0.10	0.08
CRMS 0224	0.09	0.11	0.07	0.07	0.06	0.07	0.06	0.03	0.04	0.02	0.09	0.07
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.04	0.04	0.07	0.15	0.11	0.09	0.08	0.07	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.03	-0.04	0.05	0.08	0.15	0.11	0.00	0.00	0.01	0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.02	0.03	0.05	0.04	0.02	-0.01	0.00	0.00	0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.03	0.02	0.04	0.05	0.02	0.00	-0.01	0.00	0.01	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	-0.02	0.01	0.02	0.03	0.02	0.00	0.00	0.00	0.01	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	-0.01	0.01	0.02	0.02	0.02	0.00	0.00	0.00	0.01	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.01	0.03	0.02	0.02	0.01	0.00	0.01	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01
CRMS 3985	0.00	-0.01	0.00	0.01	0.03	0.01	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.02	0.00	-0.01	0.01	0.01	0.03	0.03	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.02	0.00	-0.03	0.02	0.03	0.05	0.04	0.00	0.00	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 165 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.09	0.12	0.11	0.08	0.07	0.08	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.13	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.04	0.05	0.04	0.04	0.08	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.11	0.08	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.09	0.08	0.06	0.05	0.05	0.07	0.08	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.11	0.08	0.05	0.03	0.02	0.04	0.05	0.06	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.04	0.02	0.03	0.05	0.05	0.05	0.04	0.07	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.06	0.07	0.08
CRMS 3985	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.06	0.06	0.09	0.11
CRMS 0258	0.14	0.08	0.07	0.06	0.04	0.02	0.01	0.01	0.03	0.01	0.08	0.13
CRMS 0224	0.14	0.09	0.07	0.06	0.03	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.08	0.08	0.08	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.07

V3PR3 HYST - cy 4 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.07	0.09	0.10
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.12	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.07	0.08	0.09	0.15	0.14	0.13	0.04	0.01	0.03	0.12	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.08	0.08	0.09	0.07	0.07	0.04	0.05	0.04	0.10	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.08	0.08	0.08	0.09	0.06	0.07	0.05	0.05	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.08	0.08	0.08	0.07	0.08	0.08	0.07	0.06	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.09	0.08	0.06	0.06	0.04	0.06	0.06	0.06	0.05	0.09	0.12
HWQ14 - Lake Washington	0.12	0.10	0.08	0.06	0.06	0.05	0.07	0.06	0.05	0.05	0.09	0.13
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.09
CRMS 3985	0.11	0.09	0.09	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.10	0.12
CRMS 0258	0.10	0.07	0.08	0.07	0.06	0.03	0.05	0.01	0.03	0.02	0.10	0.13
CRMS 0224	0.11	0.07	0.08	0.08	0.07	0.06	0.07	0.04	0.04	0.04	0.10	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.09	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.14	0.14	0.10	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.07	-0.01	0.05	0.13	0.12	0.12	0.10	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.05	0.01	0.06	0.14	0.13	0.13	0.03	0.00	0.03	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.01	0.03	0.07	0.04	0.03	-0.01	0.00	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.00	0.02	0.06	0.04	0.03	0.00	-0.01	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.00	0.01	0.04	0.02	0.02	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.00	0.01	0.03	0.02	0.02	0.00	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.01	0.04	0.02	0.02	0.01	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.02	-0.01	0.01	0.04	0.01	0.00	-0.01	0.00	0.00	0.01	0.01
CRMS 0258	-0.03	-0.01	0.01	0.01	0.02	0.02	0.04	0.01	0.00	0.01	0.01	0.00
CRMS 0224	-0.04	-0.02	0.01	0.02	0.04	0.04	0.05	0.01	0.00	0.02	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 166 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.09	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.07	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.11	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.13	0.08	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.06	0.02	0.03	0.05	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.09	0.06	0.03	0.03	0.04	0.06	0.06	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.07	0.05	0.05	0.06	0.07	0.08	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.05	0.03	0.02	0.03	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.05	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.09	0.09	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.11	0.12	0.12	0.08	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.10	0.09	0.07	0.03	0.01	0.01	0.02	0.02	0.01	0.09	0.09
CRMS 0224	0.12	0.10	0.08	0.06	0.03	0.02	0.02	0.04	0.04	0.02	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.05	0.06	0.05

V3PR3 HYST - cy 4 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.12	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.10	0.10	0.09	0.05	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.10	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.08	0.10	0.11	0.13	0.05	0.01	0.01	0.01	0.01	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.11	0.10	0.09	0.04	0.04	0.04	0.04	0.03	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.10	0.09	0.09	0.04	0.04	0.05	0.05	0.03	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.08	0.08	0.06	0.06	0.07	0.07	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.09	0.10	0.07	0.06	0.03	0.03	0.05	0.05	0.03	0.08	0.10
HWQ14 - Lake Washington	0.11	0.10	0.10	0.07	0.06	0.04	0.05	0.06	0.05	0.04	0.08	0.10
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.08	0.09	0.08	0.06	0.05	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.07	0.05	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.09	0.09	0.10	0.09	0.05	0.01	0.01	0.01	0.02	0.01	0.10	0.08
CRMS 0224	0.09	0.09	0.10	0.09	0.07	0.02	0.01	0.02	0.03	0.02	0.09	0.09
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	0.00	0.06	0.12	0.11	0.09	0.08	0.07	0.07	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.04	0.02	0.07	0.13	0.04	0.00	-0.01	-0.01	0.00	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	0.00	0.03	0.07	0.01	-0.01	0.00	0.00	0.00	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	0.01	0.03	0.06	0.01	-0.01	-0.01	-0.01	-0.01	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.01	0.01	0.04	0.01	0.00	0.00	-0.01	0.00	0.02	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.01	0.01	0.03	0.01	0.00	-0.01	0.00	-0.01	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.02	0.04	0.01	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.02	-0.01	0.01	0.03	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0258	-0.02	-0.01	0.02	0.02	0.02	0.00	0.00	-0.01	0.00	0.00	0.01	0.00
CRMS 0224	-0.02	-0.01	0.02	0.02	0.04	0.00	-0.01	-0.02	-0.01	-0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 167 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.08	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.09	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.07	0.02	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.09	0.04	0.02	0.03	0.04	0.04	0.04	0.03	0.07	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.10	0.08	0.04	0.02	0.02	0.04	0.06	0.06	0.05	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.05	0.03	0.03	0.05	0.05	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.08	0.04	0.01	0.02	0.03	0.06	0.06	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.03	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.04	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.09	0.05	0.03	0.04	0.06	0.06	0.06	0.05	0.07	0.09
CRMS 0258	0.13	0.08	0.07	0.04	0.02	0.01	0.01	0.03	0.04	0.02	0.08	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

V3PR3 HYST - cy 4 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.06	0.06	0.06	0.04	0.05	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.09	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.07	0.09	0.06	0.06	0.01	0.01	0.01	0.01	0.01	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.08	0.09	0.05	0.04	0.03	0.04	0.04	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.08	0.07	0.05	0.04	0.02	0.04	0.05	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.05	0.04	0.03	0.05	0.06	0.06	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.07	0.04	0.02	0.01	0.02	0.05	0.05	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.03	0.03	0.05	0.06	0.05	0.03	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.05	0.05	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.04	0.04	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.13	0.07	0.07	0.04	0.02	0.01	0.01	0.01	0.02	0.01	0.08	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.03	0.01	0.01	0.02	0.03	0.03	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.05	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.05	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.07	-0.02	0.04	0.06	0.07	0.08	0.09	0.09	0.05	-0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.05	0.01	0.04	0.05	0.01	0.00	-0.01	-0.02	-0.01	0.01	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	0.00	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.03	-0.01	0.01	0.02	0.00	-0.01	-0.01	-0.02	-0.02	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.01	0.00	0.01	0.00	0.00	-0.01	-0.01	-0.02	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.01	-0.01	0.00	0.01
CRMS 0224	0.00	-0.01	0.00	0.01	0.01	0.00	-0.01	-0.03	-0.02	-0.02	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 168 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.15	0.10	0.04	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.10	0.08	0.09	0.06	0.06	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.12	0.07	0.02	0.03	0.05	0.04	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.06	0.02	0.03	0.05	0.05	0.05	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.07	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.12	0.10	0.05	0.02	0.02	0.03	0.05	0.05	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.05	0.06	0.04	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.13	0.14	0.14	0.09	0.04	0.05	0.07	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.14	0.11	0.10	0.06	0.02	0.02	0.01	0.01	0.03	0.01	0.08	0.12
CRMS 0224	0.14	0.12	0.10	0.06	0.02	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

V3PR3 HYST - cy 4 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.09	0.08	0.09	0.07	0.06	0.08	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.08	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.10	0.11	0.11	0.10	0.11	0.10	0.05	0.01	0.01	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.12	0.09	0.07	0.06	0.06	0.04	0.04	0.04	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.11	0.12	0.08	0.06	0.06	0.06	0.05	0.05	0.04	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.12	0.08	0.07	0.07	0.07	0.08	0.07	0.06	0.09	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.06	0.05	0.04	0.05	0.06	0.06	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.12	0.12	0.07	0.05	0.05	0.06	0.06	0.05	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.12	0.12	0.13	0.09	0.06	0.05	0.05	0.06	0.06	0.06	0.09	0.11
CRMS 0258	0.12	0.11	0.12	0.07	0.03	0.03	0.03	0.02	0.03	0.01	0.09	0.12
CRMS 0224	0.12	0.11	0.12	0.07	0.05	0.05	0.05	0.04	0.04	0.03	0.09	0.12
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	0.00	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.04	0.02	0.08	0.09	0.11	0.09	0.04	0.00	0.01	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	0.00	0.03	0.05	0.03	0.01	0.00	0.00	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	0.02	0.02	0.04	0.03	0.01	0.00	0.00	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.02	0.01	0.03	0.02	0.01	0.00	0.00	0.01	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.01	0.01	0.01	0.03	0.02	0.01	0.01	0.00	0.01	0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.01	0.01	0.03	0.02	0.01	0.00	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.02	0.00	0.00	0.02	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.02	0.00	0.02	0.01	0.01	0.01	0.03	0.01	0.00	0.00	0.01	0.00
CRMS 0224	-0.02	0.00	0.02	0.02	0.03	0.03	0.03	0.02	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 169 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.08	0.11	0.07	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.12	0.10	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.06	0.04	0.05	0.06	0.08	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.09	0.05	0.02	0.03	0.03	0.05	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.09	0.04	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.06	0.09	0.09	0.07	0.08	0.06	0.06	0.06
CRMS 3985	0.10	0.12	0.09	0.06	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.11	0.08	0.05	0.03	0.02	0.01	0.01	0.03	0.01	0.09	0.08
CRMS 0224	0.11	0.11	0.10	0.05	0.03	0.02	0.02	0.03	0.04	0.02	0.09	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.08	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR3 HYST - cy 4 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.10	0.08	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.15	0.11	0.09	0.09	0.08	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.11	0.06	0.08	0.08	0.16	0.12	0.01	0.01	0.01	0.10	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.07	0.07	0.07	0.06	0.04	0.04	0.04	0.09	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.07	0.07	0.06	0.07	0.07	0.05	0.05	0.04	0.09	0.07
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.07	0.07	0.06	0.08	0.08	0.08	0.07	0.06	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.11	0.08	0.05	0.05	0.05	0.05	0.05	0.06	0.04	0.08	0.08
HWQ14 - Lake Washington	0.10	0.12	0.09	0.05	0.05	0.05	0.06	0.06	0.05	0.04	0.08	0.09
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.06	0.07	0.09	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.10	0.11	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.09	0.09
CRMS 0258	0.10	0.11	0.07	0.07	0.04	0.05	0.03	0.01	0.03	0.01	0.10	0.08
CRMS 0224	0.09	0.11	0.07	0.07	0.06	0.07	0.06	0.03	0.04	0.02	0.09	0.08
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.08	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.04	0.04	0.07	0.15	0.11	0.09	0.08	0.08	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.03	-0.04	0.05	0.07	0.15	0.11	0.00	0.00	0.00	0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.02	0.03	0.05	0.05	0.02	-0.01	0.00	0.00	0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	-0.03	0.02	0.04	0.05	0.02	0.00	-0.01	0.00	0.01	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	-0.02	0.01	0.02	0.03	0.02	0.00	0.00	0.00	0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	0.00	-0.01	0.01	0.02	0.02	0.02	0.00	0.00	0.00	0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.01	0.03	0.02	0.02	0.01	0.00	0.01	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.01	-0.01	0.01	0.03	0.01	0.00	-0.01	0.00	0.00	0.01	0.00
CRMS 0258	-0.02	0.00	-0.01	0.01	0.02	0.03	0.03	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.02	0.00	-0.02	0.02	0.03	0.05	0.04	0.00	0.00	0.01	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 170 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.09	0.12	0.11	0.08	0.07	0.08	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.13	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.04	0.05	0.04	0.04	0.08	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.11	0.08	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.09	0.08	0.06	0.05	0.05	0.07	0.08	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.11	0.08	0.05	0.03	0.02	0.04	0.05	0.06	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.04	0.02	0.03	0.05	0.05	0.05	0.04	0.07	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.06	0.07	0.08
CRMS 3985	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.06	0.06	0.09	0.11
CRMS 0258	0.14	0.08	0.07	0.06	0.04	0.02	0.01	0.01	0.03	0.01	0.08	0.13
CRMS 0224	0.14	0.09	0.07	0.06	0.03	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.08	0.08	0.08	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.07

V3PR4 HYST - cy 4 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.07	0.09	0.10
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.12	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.07	0.08	0.09	0.15	0.14	0.13	0.06	0.02	0.05	0.12	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.08	0.09	0.11	0.08	0.08	0.04	0.04	0.05	0.10	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.07	0.08	0.09	0.11	0.10	0.10	0.06	0.04	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.08	0.10	0.09	0.10	0.08	0.07	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.08	0.07	0.07	0.05	0.07	0.06	0.06	0.05	0.09	0.12
HWQ14 - Lake Washington	0.12	0.09	0.08	0.06	0.07	0.06	0.07	0.06	0.05	0.05	0.09	0.14
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.06	0.07	0.09
CRMS 3985	0.11	0.09	0.09	0.08	0.08	0.06	0.06	0.06	0.06	0.06	0.10	0.13
CRMS 0258	0.10	0.07	0.08	0.08	0.07	0.05	0.06	0.02	0.03	0.02	0.10	0.13
CRMS 0224	0.10	0.07	0.08	0.09	0.09	0.08	0.10	0.04	0.04	0.04	0.10	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.09	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.07	-0.01	0.05	0.13	0.12	0.12	0.10	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.05	0.01	0.06	0.14	0.13	0.13	0.05	0.01	0.04	0.06	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.01	0.03	0.09	0.05	0.04	-0.01	0.00	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.04	0.00	0.03	0.09	0.07	0.06	0.00	-0.01	0.02	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.02	0.06	0.04	0.04	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.02	0.04	0.03	0.03	0.01	0.00	0.02	0.02	0.01
HWQ14 - Lake Washington	-0.03	-0.04	-0.01	0.02	0.05	0.03	0.03	0.01	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.02	-0.01	0.01	0.04	0.01	0.00	-0.01	-0.01	0.00	0.02	0.01
CRMS 0258	-0.04	-0.01	0.01	0.02	0.03	0.03	0.06	0.01	0.00	0.01	0.02	-0.01
CRMS 0224	-0.04	-0.02	0.01	0.03	0.06	0.06	0.08	0.02	0.00	0.02	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 171 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.09	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.07	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.11	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.13	0.08	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.06	0.02	0.03	0.05	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.09	0.06	0.03	0.03	0.04	0.06	0.06	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.07	0.05	0.05	0.06	0.07	0.08	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.05	0.03	0.02	0.03	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.05	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.09	0.09	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.11	0.12	0.12	0.08	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.10	0.09	0.07	0.03	0.01	0.01	0.02	0.02	0.01	0.09	0.09
CRMS 0224	0.12	0.10	0.08	0.06	0.03	0.02	0.02	0.04	0.04	0.02	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.05	0.06	0.05

V3PR4 HYST - cy 4 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.12	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.10	0.10	0.10	0.09	0.05	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.10	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.10	0.11	0.13	0.07	0.05	0.03	0.01	0.03	0.11	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.10	0.10	0.11	0.04	0.04	0.05	0.04	0.03	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.10	0.11	0.05	0.04	0.04	0.04	0.03	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.10	0.10	0.07	0.06	0.07	0.07	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.07	0.07	0.04	0.03	0.05	0.06	0.03	0.08	0.09
HWQ14 - Lake Washington	0.10	0.10	0.11	0.07	0.07	0.05	0.05	0.06	0.05	0.04	0.08	0.10
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.07	0.04	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.08	0.05	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.09	0.09	0.10	0.09	0.07	0.01	0.01	0.01	0.02	0.01	0.10	0.08
CRMS 0224	0.09	0.09	0.10	0.10	0.09	0.02	0.01	0.01	0.03	0.02	0.09	0.09
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.07	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	0.00	0.06	0.12	0.11	0.08	0.08	0.07	0.07	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.04	0.02	0.07	0.13	0.07	0.04	0.02	0.00	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	0.00	0.04	0.08	0.01	-0.01	0.00	0.00	0.00	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.01	0.04	0.08	0.02	-0.01	-0.02	-0.02	-0.01	0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.01	0.02	0.06	0.02	0.00	0.00	-0.01	0.00	0.02	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.02	0.04	0.02	0.00	-0.01	0.00	0.00	0.01	0.00
HWQ14 - Lake Washington	-0.03	-0.04	0.01	0.02	0.05	0.02	0.00	0.00	0.00	0.00	0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.02	-0.01	0.01	0.04	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0258	-0.03	-0.01	0.02	0.02	0.04	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01
CRMS 0224	-0.03	-0.01	0.02	0.03	0.06	0.01	-0.01	-0.02	-0.01	-0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00

Figure WQ PO4 172 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.08	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.09	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.07	0.02	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.09	0.04	0.02	0.03	0.04	0.04	0.04	0.03	0.07	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.10	0.08	0.04	0.02	0.02	0.04	0.06	0.06	0.05	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.05	0.03	0.03	0.05	0.05	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.08	0.04	0.01	0.02	0.03	0.06	0.06	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.03	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.04	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.09	0.05	0.03	0.04	0.06	0.06	0.06	0.05	0.07	0.09
CRMS 0258	0.13	0.08	0.07	0.04	0.02	0.01	0.01	0.03	0.04	0.02	0.08	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

V3PR4 HYST - cy 4 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.05	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.06	0.05	0.08	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.07	0.09	0.07	0.06	0.03	0.04	0.03	0.02	0.02	0.09	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.08	0.09	0.06	0.04	0.03	0.04	0.04	0.04	0.03	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.07	0.07	0.05	0.04	0.02	0.03	0.04	0.04	0.03	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.05	0.05	0.03	0.05	0.06	0.06	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.07	0.04	0.03	0.02	0.02	0.05	0.05	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.03	0.03	0.05	0.06	0.04	0.03	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.04	0.04	0.06	0.06	0.06	0.05	0.07	0.08
CRMS 0258	0.13	0.07	0.07	0.04	0.02	0.01	0.01	0.01	0.02	0.01	0.07	0.08
CRMS 0224	0.12	0.07	0.07	0.04	0.03	0.01	0.01	0.02	0.03	0.02	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.07	-0.02	0.04	0.06	0.07	0.08	0.09	0.09	0.05	-0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.05	0.01	0.05	0.06	0.03	0.03	0.01	-0.01	0.00	0.02	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	0.00	0.02	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.03	-0.01	0.01	0.03	0.00	-0.01	-0.02	-0.02	-0.02	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	-0.01	0.00	0.02	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.02	-0.01	0.00	0.01	0.00	-0.01	-0.01	-0.01	-0.02	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0258	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.01	-0.01	-0.01	0.00
CRMS 0224	0.00	-0.01	0.00	0.01	0.01	0.00	-0.01	-0.03	-0.03	-0.03	-0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 173 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.15	0.10	0.04	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.10	0.08	0.09	0.06	0.06	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.12	0.07	0.02	0.03	0.05	0.04	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.06	0.02	0.03	0.05	0.05	0.05	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.07	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.12	0.10	0.05	0.02	0.02	0.03	0.05	0.05	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.05	0.06	0.04	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.13	0.14	0.14	0.09	0.04	0.05	0.07	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.14	0.11	0.10	0.06	0.02	0.02	0.01	0.01	0.03	0.01	0.08	0.12
CRMS 0224	0.14	0.12	0.10	0.06	0.02	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

V3PR4 HYST - cy 4 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.09	0.08	0.08	0.07	0.07	0.08	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.05	0.02	0.03	0.12	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.12	0.10	0.08	0.06	0.06	0.04	0.04	0.04	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.12	0.10	0.08	0.08	0.08	0.06	0.04	0.04	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.09	0.07	0.08	0.08	0.08	0.07	0.06	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.07	0.05	0.05	0.06	0.06	0.05	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.11	0.12	0.07	0.06	0.05	0.06	0.06	0.05	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.12	0.12	0.13	0.09	0.07	0.05	0.05	0.05	0.06	0.06	0.09	0.11
CRMS 0258	0.12	0.11	0.12	0.08	0.04	0.04	0.04	0.02	0.03	0.01	0.09	0.12
CRMS 0224	0.12	0.11	0.12	0.08	0.06	0.06	0.07	0.04	0.04	0.03	0.09	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.06	0.00	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.04	0.02	0.08	0.09	0.11	0.09	0.04	0.01	0.02	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	0.00	0.03	0.06	0.03	0.01	0.00	0.00	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.03	0.01	0.04	0.05	0.05	0.03	0.00	0.00	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.02	0.02	0.04	0.03	0.02	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.02	0.04	0.03	0.02	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.04	0.01	0.02	0.04	0.02	0.01	0.00	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.02	0.00	0.00	0.02	0.00	-0.02	-0.01	0.00	0.01	0.01	0.01
CRMS 0258	-0.02	0.00	0.02	0.02	0.02	0.02	0.04	0.01	0.00	0.00	0.01	0.00
CRMS 0224	-0.03	-0.01	0.02	0.03	0.04	0.04	0.06	0.02	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 174 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.08	0.11	0.07	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.12	0.10	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.06	0.04	0.05	0.06	0.08	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.09	0.05	0.02	0.03	0.03	0.05	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.09	0.04	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.06	0.09	0.09	0.07	0.08	0.06	0.06	0.06
CRMS 3985	0.10	0.12	0.09	0.06	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.11	0.08	0.05	0.03	0.02	0.01	0.01	0.03	0.01	0.09	0.08
CRMS 0224	0.11	0.11	0.10	0.05	0.03	0.02	0.02	0.03	0.04	0.02	0.09	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.08	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR4 HYST - cy 4 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.10	0.08	0.07	0.08	0.07	0.09	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.15	0.11	0.09	0.09	0.08	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.11	0.06	0.08	0.08	0.16	0.12	0.04	0.02	0.03	0.11	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.07	0.09	0.06	0.04	0.04	0.04	0.09	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.07	0.11	0.09	0.05	0.04	0.04	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.07	0.08	0.07	0.10	0.09	0.08	0.07	0.06	0.09	0.07
USGS073802516 Barataria Pass at Grand Isle	0.08	0.11	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.04	0.08	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.06	0.05	0.06	0.07	0.06	0.05	0.04	0.08	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.09	0.09	0.08	0.08	0.06	0.07	0.07
CRMS 3985	0.10	0.11	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.09	0.09
CRMS 0258	0.10	0.11	0.07	0.07	0.05	0.07	0.05	0.01	0.03	0.01	0.10	0.07
CRMS 0224	0.09	0.11	0.07	0.08	0.07	0.10	0.08	0.03	0.04	0.03	0.10	0.07
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.04	0.04	0.07	0.15	0.11	0.09	0.08	0.08	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.03	-0.04	0.05	0.07	0.15	0.12	0.02	0.01	0.02	0.03	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.02	0.03	0.06	0.07	0.02	-0.01	0.00	0.00	0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.03	0.03	0.05	0.08	0.04	0.00	-0.01	0.00	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	-0.02	0.02	0.03	0.06	0.03	0.01	0.00	0.01	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.01	0.03	0.03	0.03	0.00	0.00	0.01	0.01	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.02	0.04	0.03	0.02	0.01	0.00	0.01	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.01
CRMS 3985	-0.01	-0.01	-0.01	0.01	0.03	0.02	0.00	-0.01	0.00	0.00	0.00	-0.01
CRMS 0258	-0.02	0.00	-0.01	0.02	0.02	0.05	0.04	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.02	0.00	-0.03	0.03	0.04	0.08	0.06	0.00	0.00	0.01	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 175 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.09	0.12	0.11	0.08	0.07	0.08	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.13	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.04	0.05	0.04	0.04	0.08	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.11	0.08	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.09	0.08	0.06	0.05	0.05	0.07	0.08	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.11	0.08	0.05	0.03	0.02	0.04	0.05	0.06	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.04	0.02	0.03	0.05	0.05	0.05	0.04	0.07	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.06	0.07	0.08
CRMS 3985	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.06	0.06	0.09	0.11
CRMS 0258	0.14	0.08	0.07	0.06	0.04	0.02	0.01	0.01	0.03	0.01	0.08	0.13
CRMS 0224	0.14	0.09	0.07	0.06	0.03	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.08	0.08	0.08	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.07

V3PR5 HYST - cy 4 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.08	0.11	0.10	0.08	0.07	0.08	0.07	0.09	0.10
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.12	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.07	0.07	0.09	0.15	0.14	0.13	0.05	0.02	0.04	0.12	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.08	0.09	0.11	0.08	0.08	0.04	0.04	0.04	0.10	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.07	0.08	0.09	0.11	0.09	0.10	0.06	0.05	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.08	0.10	0.09	0.10	0.08	0.07	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.08	0.07	0.07	0.05	0.07	0.06	0.06	0.05	0.09	0.12
HWQ14 - Lake Washington	0.12	0.09	0.08	0.06	0.07	0.06	0.07	0.06	0.05	0.05	0.09	0.14
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.07	0.07	0.09
CRMS 3985	0.11	0.09	0.09	0.08	0.08	0.06	0.06	0.06	0.06	0.06	0.10	0.13
CRMS 0258	0.10	0.07	0.08	0.08	0.07	0.05	0.06	0.02	0.03	0.02	0.10	0.13
CRMS 0224	0.10	0.07	0.08	0.09	0.09	0.08	0.10	0.04	0.04	0.04	0.10	0.14
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.09	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.07	-0.01	0.05	0.13	0.12	0.12	0.10	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.05	0.00	0.05	0.14	0.13	0.13	0.04	0.01	0.04	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.01	0.03	0.10	0.06	0.04	-0.01	0.00	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.04	0.00	0.03	0.09	0.07	0.06	0.00	-0.01	0.02	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.02	0.05	0.04	0.04	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.02	0.04	0.03	0.03	0.01	0.00	0.02	0.02	0.01
HWQ14 - Lake Washington	-0.03	-0.04	-0.01	0.02	0.05	0.03	0.03	0.01	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	0.00	-0.02	-0.01	0.01	0.04	0.01	0.00	-0.01	0.00	0.00	0.01	0.01
CRMS 0258	-0.04	-0.01	0.01	0.02	0.03	0.03	0.06	0.01	0.00	0.01	0.02	0.00
CRMS 0224	-0.04	-0.02	0.01	0.03	0.06	0.06	0.08	0.02	0.00	0.02	0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 176 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.09	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.07	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.11	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.13	0.08	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.06	0.02	0.03	0.05	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.09	0.06	0.03	0.03	0.04	0.06	0.06	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.07	0.05	0.05	0.06	0.07	0.08	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.05	0.03	0.02	0.03	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.05	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.09	0.09	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.11	0.12	0.12	0.08	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.10	0.09	0.07	0.03	0.01	0.01	0.02	0.02	0.01	0.09	0.09
CRMS 0224	0.12	0.10	0.08	0.06	0.03	0.02	0.02	0.04	0.04	0.02	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.05	0.06	0.05

V3PR5 HYST - cy 4 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.12	0.09	0.09	0.08	0.08	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.10	0.10	0.10	0.09	0.05	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.10	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.10	0.11	0.13	0.06	0.03	0.02	0.01	0.02	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.10	0.10	0.11	0.04	0.04	0.05	0.04	0.03	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.10	0.11	0.05	0.04	0.04	0.04	0.03	0.09	0.09
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.10	0.10	0.10	0.07	0.06	0.07	0.07	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.07	0.07	0.04	0.03	0.05	0.06	0.03	0.08	0.09
HWQ14 - Lake Washington	0.11	0.10	0.11	0.07	0.07	0.05	0.05	0.06	0.05	0.04	0.08	0.10
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.07	0.05	0.07	0.06	0.07	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.08	0.06	0.06	0.07	0.06	0.05	0.07	0.09
CRMS 0258	0.09	0.09	0.10	0.09	0.07	0.01	0.01	0.01	0.02	0.01	0.10	0.08
CRMS 0224	0.09	0.09	0.10	0.10	0.09	0.02	0.01	0.01	0.03	0.02	0.09	0.09
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.09	0.07	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	0.00	0.06	0.12	0.11	0.08	0.08	0.07	0.07	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	0.02	0.07	0.13	0.06	0.02	0.00	-0.01	0.01	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	0.00	0.04	0.09	0.01	-0.01	0.00	0.00	0.00	0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.01	0.04	0.08	0.02	-0.01	-0.02	-0.02	-0.01	0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.01	0.02	0.06	0.02	0.00	0.00	-0.01	0.00	0.02	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.02	0.04	0.02	0.00	0.00	0.00	0.00	0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.04	0.01	0.02	0.05	0.02	0.00	0.00	0.00	0.00	0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.02	0.01
CRMS 3985	0.00	-0.02	-0.01	0.01	0.04	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01
CRMS 0258	-0.03	-0.01	0.02	0.02	0.04	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01
CRMS 0224	-0.03	-0.01	0.02	0.03	0.06	0.01	-0.01	-0.02	-0.01	-0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 177 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.08	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.09	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.07	0.02	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.09	0.04	0.02	0.03	0.04	0.04	0.04	0.03	0.07	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.10	0.08	0.04	0.02	0.02	0.04	0.06	0.06	0.05	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.05	0.03	0.03	0.05	0.05	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.08	0.04	0.01	0.02	0.03	0.06	0.06	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.03	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.04	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.09	0.05	0.03	0.04	0.06	0.06	0.06	0.05	0.07	0.09
CRMS 0258	0.13	0.08	0.07	0.04	0.02	0.01	0.01	0.03	0.04	0.02	0.08	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

V3PR5 HYST - cy 4 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.08	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.05	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.06	0.05	0.08	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.07	0.08	0.07	0.06	0.02	0.03	0.02	0.01	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.08	0.09	0.06	0.04	0.03	0.04	0.04	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.05	0.04	0.02	0.03	0.04	0.04	0.03	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.05	0.05	0.03	0.05	0.06	0.06	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.07	0.07	0.04	0.03	0.02	0.02	0.05	0.05	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.03	0.03	0.05	0.06	0.04	0.03	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.03	0.06	0.05	0.06	0.07
CRMS 3985	0.11	0.09	0.10	0.06	0.04	0.05	0.06	0.06	0.06	0.05	0.08	0.10
CRMS 0258	0.13	0.07	0.07	0.04	0.02	0.01	0.01	0.01	0.02	0.01	0.07	0.08
CRMS 0224	0.12	0.07	0.07	0.04	0.03	0.01	0.01	0.02	0.03	0.02	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.07	0.04	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.07	-0.02	0.04	0.06	0.07	0.08	0.09	0.09	0.05	-0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	0.01	0.04	0.05	0.02	0.02	0.00	-0.02	0.00	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	0.00	0.02	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.04	-0.01	0.01	0.03	0.00	-0.01	-0.02	-0.02	-0.02	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.02	-0.01	0.00	0.02	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.01	0.00	0.02	0.00	-0.01	-0.01	-0.01	-0.02	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.04	-0.01	0.01	0.02	0.00	0.00	0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 3985	0.00	-0.01	0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.01	-0.01	-0.01	0.00
CRMS 0224	0.00	-0.01	0.00	0.01	0.01	0.00	-0.01	-0.03	-0.02	-0.03	-0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 178 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.15	0.10	0.04	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.10	0.08	0.09	0.06	0.06	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.12	0.07	0.02	0.03	0.05	0.04	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.06	0.02	0.03	0.05	0.05	0.05	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.07	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.12	0.10	0.05	0.02	0.02	0.03	0.05	0.05	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.05	0.06	0.04	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.13	0.14	0.14	0.09	0.04	0.05	0.07	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.14	0.11	0.10	0.06	0.02	0.02	0.01	0.01	0.03	0.01	0.08	0.12
CRMS 0224	0.14	0.12	0.10	0.06	0.02	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

V3PR5 HYST - cy 4 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.09	0.08	0.08	0.07	0.07	0.08	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.05	0.01	0.02	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.12	0.10	0.08	0.07	0.06	0.04	0.04	0.04	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.12	0.10	0.08	0.08	0.08	0.06	0.04	0.04	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.09	0.07	0.08	0.08	0.08	0.07	0.06	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.07	0.05	0.05	0.06	0.06	0.05	0.04	0.08	0.11
HWQ14 - Lake Washington	0.13	0.11	0.12	0.07	0.06	0.06	0.06	0.06	0.05	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.12	0.12	0.13	0.09	0.07	0.06	0.05	0.05	0.06	0.06	0.09	0.11
CRMS 0258	0.12	0.11	0.12	0.08	0.04	0.04	0.04	0.02	0.03	0.01	0.09	0.12
CRMS 0224	0.12	0.11	0.12	0.08	0.06	0.06	0.07	0.04	0.04	0.03	0.09	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.06	0.00	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.04	0.01	0.08	0.09	0.10	0.09	0.04	0.00	0.02	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.04	0.00	0.03	0.06	0.04	0.01	0.00	0.00	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.03	0.01	0.04	0.05	0.05	0.03	0.01	0.00	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.02	0.02	0.04	0.03	0.02	0.01	0.00	0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.02	0.04	0.03	0.02	0.01	0.00	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.02	-0.04	0.01	0.02	0.04	0.03	0.01	0.00	0.00	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.02	0.00	0.00	0.02	0.00	-0.02	-0.01	0.00	0.01	0.00	0.01
CRMS 0258	-0.02	0.00	0.02	0.02	0.02	0.02	0.04	0.01	0.00	0.00	0.01	0.00
CRMS 0224	-0.03	-0.01	0.02	0.03	0.04	0.04	0.05	0.02	0.00	0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 179 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.08	0.11	0.07	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.12	0.10	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.06	0.04	0.05	0.06	0.08	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.09	0.05	0.02	0.03	0.03	0.05	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.09	0.04	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.06	0.09	0.09	0.07	0.08	0.06	0.06	0.06
CRMS 3985	0.10	0.12	0.09	0.06	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.11	0.08	0.05	0.03	0.02	0.01	0.01	0.03	0.01	0.09	0.08
CRMS 0224	0.11	0.11	0.10	0.05	0.03	0.02	0.02	0.03	0.04	0.02	0.09	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.08	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR5 HYST - cy 4 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.10	0.08	0.07	0.08	0.07	0.09	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.15	0.11	0.09	0.09	0.08	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.11	0.06	0.08	0.08	0.16	0.12	0.03	0.01	0.02	0.10	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.07	0.08	0.08	0.10	0.06	0.04	0.04	0.04	0.09	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.07	0.11	0.09	0.05	0.04	0.04	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.07	0.08	0.07	0.10	0.09	0.08	0.07	0.06	0.09	0.07
USGS073802516 Barataria Pass at Grand Isle	0.08	0.11	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.04	0.08	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.06	0.05	0.06	0.07	0.06	0.05	0.04	0.08	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.09	0.09	0.08	0.08	0.06	0.07	0.07
CRMS 3985	0.10	0.11	0.08	0.07	0.06	0.07	0.06	0.06	0.06	0.06	0.08	0.09
CRMS 0258	0.10	0.11	0.07	0.07	0.05	0.07	0.05	0.01	0.03	0.01	0.10	0.07
CRMS 0224	0.09	0.11	0.07	0.08	0.07	0.10	0.08	0.03	0.04	0.03	0.10	0.07
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.04	0.04	0.07	0.15	0.11	0.09	0.08	0.08	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.03	-0.04	0.05	0.07	0.15	0.11	0.01	0.00	0.02	0.03	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.02	0.03	0.06	0.07	0.03	-0.01	0.00	0.01	0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.03	0.03	0.05	0.08	0.04	0.00	-0.01	0.00	0.02	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	-0.02	0.02	0.03	0.06	0.03	0.01	0.00	0.01	0.02	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.01	0.01	0.03	0.03	0.03	0.00	0.00	0.01	0.01	-0.02
HWQ14 - Lake Washington	-0.02	-0.01	-0.01	0.02	0.04	0.04	0.03	0.01	0.00	0.01	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.02	0.01
CRMS 3985	-0.01	-0.01	-0.01	0.01	0.03	0.02	0.00	-0.01	0.00	0.00	0.00	-0.01
CRMS 0258	-0.02	0.00	-0.01	0.02	0.02	0.05	0.04	0.00	0.00	0.00	0.01	-0.01
CRMS 0224	-0.02	0.00	-0.03	0.03	0.04	0.08	0.06	0.00	0.00	0.01	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 180 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.09	0.12	0.11	0.08	0.07	0.08	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.13	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.04	0.05	0.04	0.04	0.08	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.11	0.08	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.09	0.08	0.06	0.05	0.05	0.07	0.08	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.11	0.08	0.05	0.03	0.02	0.04	0.05	0.06	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.04	0.02	0.03	0.05	0.05	0.05	0.04	0.07	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.06	0.07	0.08
CRMS 3985	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.06	0.06	0.09	0.11
CRMS 0258	0.14	0.08	0.07	0.06	0.04	0.02	0.01	0.01	0.03	0.01	0.08	0.13
CRMS 0224	0.14	0.09	0.07	0.06	0.03	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.08	0.08	0.08	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.07

V3PR6 HYST - cy 4 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.09	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.11	0.10	0.10	0.08	0.09	0.07	0.09	0.10
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.12	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.08	0.07	0.09	0.14	0.13	0.13	0.07	0.02	0.04	0.13	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.07	0.07	0.09	0.14	0.13	0.12	0.05	0.04	0.05	0.11	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.06	0.07	0.09	0.14	0.13	0.13	0.07	0.04	0.06	0.10	0.14
USGS 07380335 - Little Lake Near Cutoff	0.09	0.06	0.07	0.09	0.13	0.12	0.12	0.08	0.06	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.10	0.08	0.08	0.08	0.10	0.08	0.10	0.07	0.06	0.06	0.09	0.13
HWQ14 - Lake Washington	0.11	0.08	0.08	0.08	0.09	0.08	0.09	0.07	0.05	0.05	0.10	0.14
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.08	0.10	0.10	0.10	0.08	0.08	0.07	0.07	0.09
CRMS 3985	0.10	0.08	0.08	0.09	0.12	0.10	0.09	0.06	0.06	0.06	0.10	0.13
CRMS 0258	0.10	0.07	0.08	0.09	0.12	0.10	0.10	0.02	0.03	0.02	0.10	0.14
CRMS 0224	0.09	0.07	0.08	0.09	0.13	0.12	0.13	0.06	0.03	0.05	0.10	0.14
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.12	0.09	0.09	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.07	-0.01	0.05	0.13	0.12	0.12	0.10	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.05	0.00	0.05	0.13	0.13	0.12	0.06	0.01	0.04	0.07	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.02	0.04	0.12	0.10	0.08	0.00	0.00	0.01	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.05	-0.01	0.04	0.12	0.10	0.08	0.02	-0.01	0.02	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.00	0.03	0.09	0.07	0.06	0.01	-0.01	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.03	0.07	0.06	0.06	0.01	0.00	0.02	0.02	0.02
HWQ14 - Lake Washington	-0.04	-0.05	-0.01	0.04	0.07	0.06	0.05	0.02	0.00	0.01	0.02	0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.02	0.08	0.05	0.02	-0.01	-0.01	0.00	0.02	0.02
CRMS 0258	-0.04	-0.01	0.01	0.03	0.09	0.08	0.10	0.02	0.00	0.01	0.02	0.01
CRMS 0224	-0.05	-0.03	0.01	0.04	0.10	0.10	0.11	0.03	0.00	0.02	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 181 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.09	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.07	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.11	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.13	0.08	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.06	0.02	0.03	0.05	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.09	0.06	0.03	0.03	0.04	0.06	0.06	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.07	0.05	0.05	0.06	0.07	0.08	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.05	0.03	0.02	0.03	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.05	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.09	0.09	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.11	0.12	0.12	0.08	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.10	0.09	0.07	0.03	0.01	0.01	0.02	0.02	0.01	0.09	0.09
CRMS 0224	0.12	0.10	0.08	0.06	0.03	0.02	0.02	0.04	0.04	0.02	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.05	0.06	0.05

V3PR6 HYST - cy 4 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.10	0.10	0.10	0.08	0.05	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.11	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.08	0.09	0.10	0.13	0.06	0.02	0.02	0.01	0.02	0.12	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.06	0.04	0.04	0.04	0.04	0.09	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.03	0.04	0.03	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.12	0.07	0.04	0.06	0.06	0.05	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.08	0.08	0.10	0.10	0.09	0.05	0.03	0.05	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.10	0.09	0.10	0.09	0.09	0.05	0.05	0.06	0.05	0.04	0.08	0.10
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.10	0.09	0.07	0.04	0.07	0.06	0.06	0.07
CRMS 3985	0.10	0.09	0.10	0.10	0.11	0.07	0.06	0.07	0.06	0.06	0.08	0.09
CRMS 0258	0.09	0.09	0.10	0.11	0.12	0.02	0.01	0.01	0.02	0.01	0.11	0.08
CRMS 0224	0.08	0.08	0.10	0.11	0.13	0.04	0.01	0.01	0.03	0.02	0.10	0.09
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.09	0.07	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	0.00	0.06	0.12	0.11	0.08	0.08	0.07	0.07	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	0.01	0.06	0.12	0.06	0.01	0.00	0.00	0.01	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.11	0.03	-0.01	0.00	0.00	0.01	0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.01	0.05	0.11	0.03	-0.01	-0.03	-0.02	-0.01	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.04	0.08	0.02	-0.01	-0.01	-0.01	-0.01	0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.04	0.07	0.03	0.00	0.00	0.00	0.00	0.01	-0.01
HWQ14 - Lake Washington	-0.03	-0.04	0.00	0.04	0.07	0.03	0.00	0.00	0.00	0.01	0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.02	0.07	0.01	-0.01	0.00	0.00	0.01	0.00	-0.01
CRMS 0258	-0.03	-0.01	0.02	0.04	0.08	0.00	0.00	-0.01	-0.01	0.00	0.01	-0.01
CRMS 0224	-0.03	-0.02	0.02	0.05	0.09	0.02	0.00	-0.02	-0.01	0.00	0.02	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 182 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.08	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.09	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.07	0.02	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.09	0.04	0.02	0.03	0.04	0.04	0.04	0.03	0.07	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.10	0.08	0.04	0.02	0.02	0.04	0.06	0.06	0.05	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.05	0.03	0.03	0.05	0.05	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.08	0.04	0.01	0.02	0.03	0.06	0.06	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.03	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.04	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.09	0.05	0.03	0.04	0.06	0.06	0.06	0.05	0.07	0.09
CRMS 0258	0.13	0.08	0.07	0.04	0.02	0.01	0.01	0.03	0.04	0.02	0.08	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

V3PR6 HYST - cy 4 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.08	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.07	0.09	0.08	0.07	0.03	0.03	0.03	0.02	0.02	0.09	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.06	0.05	0.03	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.06	0.07	0.05	0.06	0.02	0.02	0.04	0.04	0.03	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.06	0.05	0.05	0.02	0.03	0.05	0.06	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.07	0.07	0.04	0.04	0.02	0.02	0.05	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.08	0.08	0.04	0.04	0.03	0.05	0.06	0.05	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.03	0.06	0.05	0.06	0.07
CRMS 3985	0.11	0.08	0.10	0.06	0.05	0.05	0.06	0.07	0.06	0.05	0.07	0.09
CRMS 0258	0.13	0.07	0.07	0.04	0.02	0.01	0.01	0.01	0.03	0.01	0.07	0.09
CRMS 0224	0.12	0.07	0.07	0.05	0.04	0.01	0.01	0.02	0.03	0.02	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.06	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.07	-0.02	0.05	0.06	0.07	0.07	0.09	0.08	0.05	-0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.05	0.02	0.05	0.06	0.03	0.02	0.00	-0.01	-0.01	0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	0.00	0.02	0.04	0.00	0.00	0.01	0.00	0.00	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.04	-0.01	0.01	0.04	-0.01	-0.02	-0.02	-0.02	-0.03	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	-0.02	-0.01	0.00	0.03	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	-0.03	-0.01	0.00	0.03	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.05	-0.01	0.01	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 3985	0.00	-0.02	0.00	0.01	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.01	0.00	0.00	0.00	-0.02	-0.01	-0.01	0.00	0.01
CRMS 0224	0.00	-0.02	0.00	0.01	0.02	0.00	-0.01	-0.03	-0.02	-0.03	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 183 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.15	0.10	0.04	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.10	0.08	0.09	0.06	0.06	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.12	0.07	0.02	0.03	0.05	0.04	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.06	0.02	0.03	0.05	0.05	0.05	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.07	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.12	0.10	0.05	0.02	0.02	0.03	0.05	0.05	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.05	0.06	0.04	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.13	0.14	0.14	0.09	0.04	0.05	0.07	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.14	0.11	0.10	0.06	0.02	0.02	0.01	0.01	0.03	0.01	0.08	0.12
CRMS 0224	0.14	0.12	0.10	0.06	0.02	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

V3PR6 HYST - cy 4 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.09	0.08	0.09	0.08	0.07	0.08	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.08	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.10	0.07	0.01	0.02	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.11	0.11	0.09	0.10	0.09	0.05	0.03	0.04	0.10	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.07	0.04	0.04	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.10	0.08	0.10	0.09	0.08	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.09	0.07	0.07	0.07	0.07	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.07	0.07	0.06	0.04	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.09	0.08	0.08	0.08	0.08	0.07	0.06	0.07	0.09
CRMS 3985	0.12	0.11	0.13	0.10	0.08	0.08	0.06	0.05	0.06	0.06	0.10	0.12
CRMS 0258	0.12	0.11	0.12	0.10	0.07	0.07	0.07	0.03	0.03	0.01	0.10	0.13
CRMS 0224	0.11	0.10	0.12	0.11	0.08	0.10	0.10	0.06	0.03	0.03	0.10	0.14
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.09	0.08	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.10	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.06	0.00	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.05	0.01	0.07	0.09	0.10	0.09	0.06	0.00	0.02	0.06	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.07	0.07	0.04	0.01	0.00	0.00	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.01	0.05	0.07	0.08	0.05	0.02	-0.01	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.02	0.03	0.05	0.05	0.03	0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.04	0.05	0.05	0.04	0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.03	-0.04	0.01	0.03	0.05	0.04	0.02	0.01	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.03	-0.01	0.01	0.04	0.03	-0.01	-0.01	0.00	0.00	0.01	0.01
CRMS 0258	-0.03	-0.01	0.02	0.04	0.05	0.05	0.07	0.02	0.00	0.00	0.01	0.01
CRMS 0224	-0.03	-0.01	0.02	0.05	0.06	0.08	0.08	0.04	-0.01	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 184 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.08	0.11	0.07	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.12	0.10	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.06	0.04	0.05	0.06	0.08	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.09	0.05	0.02	0.03	0.03	0.05	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.09	0.04	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.06	0.09	0.09	0.07	0.08	0.06	0.06	0.06
CRMS 3985	0.10	0.12	0.09	0.06	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.11	0.08	0.05	0.03	0.02	0.01	0.01	0.03	0.01	0.09	0.08
CRMS 0224	0.11	0.11	0.10	0.05	0.03	0.02	0.02	0.03	0.04	0.02	0.09	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.08	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR6 HYST - cy 4 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.11	0.10	0.07	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.06	0.05	0.08	0.08	0.15	0.11	0.09	0.10	0.08	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.13	0.06	0.08	0.08	0.16	0.12	0.03	0.01	0.02	0.12	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.11	0.04	0.04	0.04	0.10	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.15	0.12	0.05	0.04	0.04	0.10	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.06	0.08	0.08	0.14	0.11	0.07	0.06	0.05	0.09	0.06
USGS073802516 Barataria Pass at Grand Isle	0.08	0.11	0.07	0.07	0.07	0.09	0.08	0.06	0.06	0.04	0.09	0.07
HWQ14 - Lake Washington	0.09	0.12	0.08	0.07	0.07	0.09	0.09	0.06	0.05	0.04	0.09	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.08	0.08	0.06	0.07	0.07
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.11	0.08	0.06	0.06	0.06	0.10	0.07
CRMS 0258	0.10	0.11	0.07	0.08	0.08	0.12	0.08	0.01	0.02	0.01	0.11	0.07
CRMS 0224	0.09	0.11	0.06	0.08	0.08	0.15	0.12	0.03	0.03	0.03	0.10	0.06
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.04	0.04	0.07	0.15	0.11	0.09	0.08	0.08	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.01	-0.04	0.04	0.07	0.15	0.12	0.02	0.00	0.01	0.05	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.03	0.03	0.07	0.13	0.07	-0.01	0.00	0.00	0.02	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.03	0.06	0.13	0.07	0.00	-0.01	0.00	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	-0.03	0.02	0.04	0.09	0.05	0.00	-0.01	0.00	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.04	0.07	0.05	0.01	0.00	0.01	0.02	-0.03
HWQ14 - Lake Washington	-0.03	-0.01	-0.02	0.03	0.05	0.07	0.04	0.01	0.00	0.01	0.02	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.01	-0.02	0.02	0.05	0.07	0.01	-0.01	0.00	0.00	0.01	-0.02
CRMS 0258	-0.02	0.00	-0.02	0.03	0.05	0.10	0.07	0.00	0.00	0.00	0.01	-0.02
CRMS 0224	-0.02	0.00	-0.03	0.03	0.05	0.13	0.10	0.01	0.00	0.01	0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 185 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.09	0.12	0.11	0.08	0.07	0.08	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.13	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.04	0.05	0.04	0.04	0.08	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.11	0.08	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.09	0.08	0.06	0.05	0.05	0.07	0.08	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.11	0.08	0.05	0.03	0.02	0.04	0.05	0.06	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.04	0.02	0.03	0.05	0.05	0.05	0.04	0.07	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.06	0.07	0.08
CRMS 3985	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.06	0.06	0.09	0.11
CRMS 0258	0.14	0.08	0.07	0.06	0.04	0.02	0.01	0.01	0.03	0.01	0.08	0.13
CRMS 0224	0.14	0.09	0.07	0.06	0.03	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.08	0.08	0.08	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.07

V3PR7 HYST - cy 4 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.11	0.10	0.10	0.08	0.09	0.07	0.09	0.10
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.12	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.07	0.07	0.09	0.14	0.13	0.13	0.05	0.03	0.05	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.07	0.07	0.09	0.14	0.13	0.12	0.05	0.04	0.05	0.10	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.06	0.07	0.09	0.14	0.13	0.13	0.07	0.04	0.06	0.10	0.14
USGS 07380335 - Little Lake Near Cutoff	0.09	0.06	0.07	0.09	0.13	0.12	0.12	0.08	0.06	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.10	0.07	0.08	0.08	0.10	0.08	0.10	0.07	0.06	0.06	0.09	0.13
HWQ14 - Lake Washington	0.11	0.08	0.08	0.08	0.09	0.08	0.09	0.07	0.05	0.05	0.09	0.14
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.08	0.10	0.10	0.10	0.09	0.08	0.07	0.07	0.09
CRMS 3985	0.10	0.08	0.08	0.09	0.11	0.09	0.08	0.06	0.06	0.06	0.10	0.13
CRMS 0258	0.09	0.07	0.08	0.09	0.13	0.10	0.10	0.02	0.03	0.02	0.10	0.14
CRMS 0224	0.09	0.07	0.08	0.09	0.14	0.12	0.13	0.06	0.03	0.05	0.10	0.14
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.09	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.14	0.14	0.10	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.07	-0.01	0.05	0.13	0.12	0.12	0.10	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.05	0.00	0.05	0.13	0.13	0.13	0.04	0.02	0.04	0.06	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.02	0.04	0.12	0.10	0.08	0.00	0.00	0.01	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.05	-0.01	0.04	0.12	0.10	0.08	0.02	-0.01	0.02	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.00	0.03	0.09	0.07	0.06	0.01	-0.01	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.03	0.07	0.06	0.06	0.01	0.00	0.02	0.02	0.02
HWQ14 - Lake Washington	-0.04	-0.05	-0.01	0.03	0.07	0.06	0.05	0.02	0.00	0.01	0.02	0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.02	0.08	0.05	0.02	-0.01	-0.01	0.00	0.02	0.02
CRMS 0258	-0.04	-0.01	0.01	0.03	0.09	0.08	0.10	0.01	0.00	0.01	0.02	0.00
CRMS 0224	-0.05	-0.03	0.01	0.04	0.10	0.10	0.11	0.04	-0.01	0.02	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 186 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.09	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.07	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.11	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.13	0.08	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.06	0.02	0.03	0.05	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.09	0.06	0.03	0.03	0.04	0.06	0.06	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.07	0.05	0.05	0.06	0.07	0.08	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.05	0.03	0.02	0.03	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.05	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.09	0.09	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.11	0.12	0.12	0.08	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.10	0.09	0.07	0.03	0.01	0.01	0.02	0.02	0.01	0.09	0.09
CRMS 0224	0.12	0.10	0.08	0.06	0.03	0.02	0.02	0.04	0.04	0.02	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.05	0.06	0.05

V3PR7 HYST - cy 4 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.10	0.10	0.10	0.09	0.05	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.11	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.10	0.10	0.13	0.06	0.03	0.02	0.01	0.03	0.11	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.06	0.04	0.04	0.04	0.03	0.09	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.03	0.04	0.03	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.12	0.07	0.04	0.05	0.06	0.05	0.09	0.08
USGS073802516 Barataria Pass at Grand Isle	0.08	0.08	0.10	0.10	0.09	0.05	0.03	0.05	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.10	0.09	0.10	0.09	0.09	0.05	0.05	0.06	0.05	0.04	0.08	0.10
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.10	0.10	0.09	0.07	0.04	0.07	0.06	0.07	0.07
CRMS 3985	0.10	0.09	0.10	0.10	0.11	0.06	0.06	0.07	0.06	0.06	0.08	0.09
CRMS 0258	0.09	0.09	0.10	0.11	0.12	0.02	0.01	0.01	0.02	0.01	0.10	0.08
CRMS 0224	0.08	0.08	0.10	0.11	0.13	0.04	0.01	0.01	0.03	0.02	0.10	0.08
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.09	0.07	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	0.00	0.06	0.12	0.11	0.08	0.08	0.07	0.07	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.05	0.01	0.07	0.12	0.06	0.02	0.00	0.00	0.02	0.03	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.11	0.03	-0.01	-0.01	0.00	0.00	0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.01	0.05	0.11	0.03	-0.01	-0.03	-0.02	-0.01	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.04	0.08	0.02	-0.01	-0.01	-0.01	-0.01	0.03	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.04	0.07	0.03	0.00	0.00	0.00	0.00	0.01	-0.01
HWQ14 - Lake Washington	-0.03	-0.04	0.00	0.04	0.07	0.02	0.00	-0.01	0.00	0.01	0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.02	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.02	0.07	0.01	-0.01	0.00	0.00	0.01	0.00	-0.01
CRMS 0258	-0.03	-0.01	0.02	0.04	0.09	0.00	0.00	-0.01	-0.01	0.00	0.01	-0.01
CRMS 0224	-0.03	-0.02	0.02	0.05	0.09	0.02	0.00	-0.02	-0.01	0.00	0.02	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00

Figure WQ PO4 187 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.08	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.09	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.07	0.02	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.09	0.04	0.02	0.03	0.04	0.04	0.04	0.03	0.07	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.10	0.08	0.04	0.02	0.02	0.04	0.06	0.06	0.05	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.05	0.03	0.03	0.05	0.05	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.08	0.04	0.01	0.02	0.03	0.06	0.06	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.03	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.04	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.09	0.05	0.03	0.04	0.06	0.06	0.06	0.05	0.07	0.09
CRMS 0258	0.13	0.08	0.07	0.04	0.02	0.01	0.01	0.03	0.04	0.02	0.08	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

V3PR7 HYST - cy 4 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.06	0.05	0.08	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.07	0.09	0.07	0.06	0.03	0.03	0.02	0.01	0.02	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.07	0.09	0.06	0.05	0.03	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.06	0.07	0.05	0.06	0.02	0.02	0.04	0.04	0.03	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.06	0.05	0.05	0.02	0.03	0.05	0.06	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.07	0.04	0.04	0.02	0.02	0.05	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.14	0.08	0.08	0.04	0.04	0.03	0.05	0.06	0.05	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.05	0.04	0.03	0.06	0.06	0.06	0.07
CRMS 3985	0.11	0.09	0.09	0.06	0.05	0.05	0.06	0.07	0.06	0.05	0.07	0.09
CRMS 0258	0.13	0.07	0.07	0.05	0.02	0.01	0.01	0.01	0.02	0.01	0.07	0.09
CRMS 0224	0.12	0.07	0.07	0.05	0.04	0.01	0.01	0.02	0.03	0.02	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.06	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.07	-0.02	0.05	0.06	0.07	0.08	0.09	0.09	0.05	-0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.05	0.01	0.05	0.05	0.02	0.02	0.00	-0.02	0.00	0.02	0.01
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.04	0.00	0.02	0.04	0.00	0.00	0.01	0.00	0.00	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.04	-0.01	0.01	0.04	-0.01	-0.02	-0.02	-0.02	-0.03	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.01	-0.02	-0.01	0.00	0.03	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.03	-0.01	0.00	0.03	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.05	-0.01	0.01	0.02	0.01	0.00	0.01	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 3985	0.01	-0.01	0.00	0.01	0.02	0.00	0.00	0.01	0.01	0.00	0.00	-0.01
CRMS 0258	0.00	-0.01	0.01	0.01	0.00	0.00	0.00	-0.02	-0.01	-0.01	0.00	0.01
CRMS 0224	0.00	-0.02	0.00	0.01	0.02	0.00	-0.01	-0.03	-0.02	-0.04	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 188 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.15	0.10	0.04	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.10	0.08	0.09	0.06	0.06	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.12	0.07	0.02	0.03	0.05	0.04	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.06	0.02	0.03	0.05	0.05	0.05	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.07	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.12	0.10	0.05	0.02	0.02	0.03	0.05	0.05	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.05	0.06	0.04	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.13	0.14	0.14	0.09	0.04	0.05	0.07	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.14	0.11	0.10	0.06	0.02	0.02	0.01	0.01	0.03	0.01	0.08	0.12
CRMS 0224	0.14	0.12	0.10	0.06	0.02	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

V3PR7 HYST - cy 4 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.09	0.08	0.09	0.08	0.07	0.08	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.08	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.05	0.01	0.03	0.12	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.11	0.11	0.09	0.10	0.09	0.05	0.03	0.04	0.10	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.07	0.04	0.04	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.10	0.08	0.10	0.09	0.08	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.09	0.07	0.07	0.07	0.07	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.07	0.07	0.06	0.04	0.04	0.09	0.14
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.09	0.08	0.08	0.08	0.08	0.07	0.06	0.07	0.09
CRMS 3985	0.12	0.11	0.13	0.10	0.08	0.08	0.06	0.05	0.06	0.06	0.10	0.12
CRMS 0258	0.11	0.11	0.12	0.10	0.07	0.07	0.07	0.02	0.03	0.01	0.10	0.12
CRMS 0224	0.11	0.10	0.12	0.11	0.08	0.10	0.10	0.06	0.04	0.03	0.10	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.09	0.08	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.06	0.00	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.00	-0.01	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.05	0.01	0.07	0.09	0.10	0.09	0.04	0.00	0.02	0.06	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.07	0.07	0.04	0.01	0.00	0.00	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.01	0.05	0.07	0.08	0.05	0.02	-0.01	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.02	0.03	0.05	0.05	0.03	0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.04	0.05	0.05	0.04	0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.02	-0.04	0.01	0.03	0.05	0.04	0.02	0.01	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.01	0.01	0.04	0.02	-0.01	-0.01	0.00	0.00	0.01	0.01
CRMS 0258	-0.03	-0.01	0.02	0.04	0.05	0.05	0.06	0.02	0.00	0.00	0.01	0.00
CRMS 0224	-0.03	-0.01	0.02	0.05	0.06	0.08	0.08	0.04	0.00	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 189 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.08	0.11	0.07	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.12	0.10	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.06	0.04	0.05	0.06	0.08	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.09	0.05	0.02	0.03	0.03	0.05	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.09	0.04	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.06	0.09	0.09	0.07	0.08	0.06	0.06	0.06
CRMS 3985	0.10	0.12	0.09	0.06	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.11	0.08	0.05	0.03	0.02	0.01	0.01	0.03	0.01	0.09	0.08
CRMS 0224	0.11	0.11	0.10	0.05	0.03	0.02	0.02	0.03	0.04	0.02	0.09	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.08	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR7 HYST - cy 4 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.11	0.10	0.07	0.09	0.07	0.09	0.06
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.05	0.08	0.08	0.15	0.11	0.09	0.10	0.08	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.13	0.06	0.08	0.08	0.16	0.12	0.03	0.01	0.03	0.11	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.10	0.04	0.04	0.04	0.10	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.15	0.12	0.05	0.04	0.04	0.10	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.06	0.08	0.08	0.14	0.11	0.07	0.06	0.05	0.09	0.06
USGS073802516 Barataria Pass at Grand Isle	0.08	0.11	0.07	0.07	0.07	0.09	0.08	0.06	0.06	0.04	0.09	0.07
HWQ14 - Lake Washington	0.09	0.12	0.08	0.07	0.07	0.09	0.09	0.06	0.05	0.04	0.09	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.08	0.08	0.06	0.07	0.07
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.11	0.07	0.06	0.06	0.06	0.10	0.08
CRMS 0258	0.10	0.11	0.07	0.08	0.08	0.13	0.08	0.01	0.02	0.01	0.10	0.07
CRMS 0224	0.09	0.11	0.06	0.08	0.08	0.15	0.12	0.03	0.03	0.03	0.10	0.06
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.04	0.04	0.07	0.15	0.11	0.09	0.08	0.08	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.01	0.02	0.01	0.00	0.00	0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.02	-0.04	0.05	0.07	0.15	0.11	0.01	0.00	0.02	0.04	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.03	0.03	0.07	0.13	0.06	-0.01	0.00	0.00	0.02	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.03	0.06	0.13	0.07	-0.01	-0.01	0.00	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	-0.03	0.02	0.04	0.09	0.05	0.00	-0.01	0.00	0.03	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.04	0.07	0.05	0.01	0.00	0.01	0.02	-0.03
HWQ14 - Lake Washington	-0.03	-0.01	-0.02	0.03	0.05	0.07	0.04	0.01	0.00	0.01	0.02	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.02	0.01
CRMS 3985	-0.01	-0.01	-0.02	0.02	0.04	0.07	0.01	-0.01	0.00	0.00	0.01	-0.02
CRMS 0258	-0.02	0.00	-0.02	0.03	0.05	0.11	0.07	0.00	0.00	0.00	0.01	-0.02
CRMS 0224	-0.02	0.00	-0.03	0.03	0.05	0.13	0.10	0.01	0.00	0.01	0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 190 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.09	0.12	0.11	0.08	0.07	0.08	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.13	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.04	0.05	0.04	0.04	0.08	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.11	0.08	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.09	0.08	0.06	0.05	0.05	0.07	0.08	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.11	0.08	0.05	0.03	0.02	0.04	0.05	0.06	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.04	0.02	0.03	0.05	0.05	0.05	0.04	0.07	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.06	0.07	0.08
CRMS 3985	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.06	0.06	0.09	0.11
CRMS 0258	0.14	0.08	0.07	0.06	0.04	0.02	0.01	0.01	0.03	0.01	0.08	0.13
CRMS 0224	0.14	0.09	0.07	0.06	0.03	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.08	0.08	0.08	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.07

V3PR8 HYST - cy 4 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.11	0.10	0.10	0.08	0.09	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.14	0.12	0.11	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.07	0.09	0.14	0.13	0.13	0.05	0.02	0.04	0.14	0.16
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.07	0.07	0.09	0.14	0.13	0.12	0.05	0.04	0.05	0.11	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.07	0.07	0.09	0.14	0.13	0.13	0.07	0.04	0.05	0.10	0.14
USGS 07380335 - Little Lake Near Cutoff	0.09	0.06	0.07	0.09	0.13	0.12	0.12	0.08	0.06	0.06	0.09	0.13
USGS073802516 Barataria Pass at Grand Isle	0.10	0.08	0.08	0.08	0.09	0.08	0.10	0.07	0.06	0.06	0.09	0.13
HWQ14 - Lake Washington	0.11	0.08	0.08	0.08	0.09	0.08	0.09	0.07	0.05	0.05	0.10	0.15
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.08	0.10	0.10	0.10	0.08	0.08	0.07	0.07	0.09
CRMS 3985	0.10	0.08	0.08	0.09	0.11	0.09	0.08	0.06	0.06	0.06	0.11	0.13
CRMS 0258	0.09	0.07	0.08	0.09	0.13	0.11	0.11	0.02	0.03	0.02	0.10	0.15
CRMS 0224	0.09	0.07	0.08	0.09	0.14	0.12	0.13	0.06	0.03	0.04	0.10	0.14
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.12	0.09	0.09	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.14	0.14	0.10	0.08	0.08	0.08	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.07	-0.01	0.05	0.13	0.12	0.12	0.10	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.02	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.04	0.00	0.05	0.13	0.13	0.13	0.04	0.01	0.04	0.08	0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.02	0.04	0.12	0.10	0.08	0.00	0.00	0.01	0.03	0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.05	-0.01	0.04	0.12	0.10	0.08	0.02	-0.01	0.02	0.02	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.03	0.00	0.03	0.09	0.07	0.06	0.00	-0.01	0.01	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.03	0.07	0.06	0.06	0.01	0.00	0.02	0.02	0.02
HWQ14 - Lake Washington	-0.04	-0.05	-0.01	0.04	0.07	0.06	0.04	0.01	0.00	0.01	0.02	0.03
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.02	0.08	0.05	0.02	-0.01	-0.01	0.00	0.02	0.02
CRMS 0258	-0.04	-0.01	0.01	0.03	0.10	0.09	0.10	0.02	0.00	0.01	0.02	0.01
CRMS 0224	-0.05	-0.03	0.01	0.04	0.11	0.11	0.11	0.04	-0.01	0.02	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 191 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.09	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.07	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.11	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.13	0.08	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.06	0.02	0.03	0.05	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.09	0.06	0.03	0.03	0.04	0.06	0.06	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.07	0.05	0.05	0.06	0.07	0.08	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.05	0.03	0.02	0.03	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.05	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.09	0.09	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.11	0.12	0.12	0.08	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.10	0.09	0.07	0.03	0.01	0.01	0.02	0.02	0.01	0.09	0.09
CRMS 0224	0.12	0.10	0.08	0.06	0.03	0.02	0.02	0.04	0.04	0.02	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.05	0.06	0.05

V3PR8 HYST - cy 4 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.10	0.10	0.10	0.08	0.05	0.06	0.08	0.07	0.07	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.09	0.11	0.13	0.10	0.07	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.08	0.09	0.10	0.13	0.05	0.02	0.02	0.01	0.02	0.13	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.06	0.04	0.04	0.04	0.04	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.03	0.04	0.03	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.13	0.07	0.04	0.06	0.06	0.05	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.08	0.08	0.10	0.09	0.09	0.05	0.03	0.05	0.06	0.04	0.08	0.09
HWQ14 - Lake Washington	0.10	0.09	0.10	0.09	0.09	0.05	0.05	0.05	0.05	0.04	0.08	0.10
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.10	0.09	0.07	0.04	0.07	0.06	0.06	0.07
CRMS 3985	0.09	0.09	0.10	0.10	0.11	0.06	0.06	0.07	0.06	0.06	0.09	0.09
CRMS 0258	0.09	0.08	0.10	0.11	0.12	0.02	0.01	0.01	0.02	0.01	0.10	0.08
CRMS 0224	0.08	0.08	0.10	0.11	0.13	0.04	0.01	0.01	0.03	0.02	0.10	0.08
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.12	0.08	0.07	0.08	0.08	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.11	0.09	0.09	0.07	0.06	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-0.06	0.00	0.06	0.12	0.11	0.08	0.08	0.07	0.07	-0.01	-0.04
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.05	0.01	0.06	0.12	0.05	0.01	0.00	0.00	0.01	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.11	0.03	-0.01	-0.01	0.00	0.01	0.02	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.01	0.05	0.11	0.03	-0.02	-0.03	-0.02	-0.01	0.02	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.01	0.04	0.08	0.02	-0.02	-0.01	-0.01	-0.01	0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.01	0.04	0.07	0.03	0.00	0.00	0.00	0.00	0.01	-0.01
HWQ14 - Lake Washington	-0.03	-0.04	0.00	0.04	0.07	0.02	0.00	-0.01	0.01	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.02	0.07	0.01	-0.01	0.00	0.01	0.01	0.01	0.00
CRMS 0258	-0.03	-0.01	0.01	0.04	0.09	0.00	0.00	-0.01	0.00	0.00	0.01	-0.01
CRMS 0224	-0.03	-0.02	0.02	0.05	0.10	0.02	-0.01	-0.02	-0.01	0.00	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00

Figure WQ PO4 192 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.08	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.09	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.07	0.02	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.09	0.04	0.02	0.03	0.04	0.04	0.04	0.03	0.07	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.10	0.08	0.04	0.02	0.02	0.04	0.06	0.06	0.05	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.05	0.03	0.03	0.05	0.05	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.08	0.04	0.01	0.02	0.03	0.06	0.06	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.03	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.04	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.09	0.05	0.03	0.04	0.06	0.06	0.06	0.05	0.07	0.09
CRMS 0258	0.13	0.08	0.07	0.04	0.02	0.01	0.01	0.03	0.04	0.02	0.08	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

V3PR8 HYST - cy 4 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.05	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.07	0.07	0.05	0.04	0.07	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.13	0.07	0.10	0.08	0.06	0.04	0.04	0.03	0.02	0.02	0.10	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.06	0.05	0.03	0.05	0.05	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.06	0.07	0.05	0.06	0.02	0.02	0.03	0.04	0.03	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.06	0.05	0.06	0.02	0.03	0.05	0.06	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.07	0.07	0.04	0.04	0.02	0.02	0.05	0.06	0.04	0.07	0.09
HWQ14 - Lake Washington	0.13	0.08	0.08	0.04	0.04	0.03	0.05	0.06	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.03	0.06	0.05	0.06	0.07
CRMS 3985	0.11	0.08	0.10	0.06	0.05	0.05	0.07	0.07	0.07	0.05	0.08	0.10
CRMS 0258	0.13	0.07	0.07	0.05	0.02	0.01	0.01	0.02	0.03	0.02	0.08	0.09
CRMS 0224	0.12	0.07	0.07	0.05	0.04	0.01	0.01	0.02	0.03	0.02	0.09	0.10
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.06	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.07	-0.02	0.05	0.06	0.07	0.08	0.09	0.08	0.05	-0.01	-0.03
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.04	0.02	0.06	0.05	0.03	0.03	0.01	-0.01	0.00	0.03	0.03
USGS7380251 Barataria Bay North of Grand Isle	0.00	-0.05	0.00	0.02	0.04	0.00	0.00	0.01	0.00	0.00	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	-0.04	-0.01	0.01	0.04	-0.01	-0.02	-0.03	-0.02	-0.03	0.00	0.01
USGS 07380335 - Little Lake Near Cutoff	0.01	-0.02	-0.01	0.00	0.03	-0.01	-0.02	-0.01	-0.01	-0.01	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	0.01	-0.03	-0.01	0.00	0.03	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00
HWQ14 - Lake Washington	0.00	-0.05	-0.01	0.01	0.03	0.01	0.00	0.01	0.00	0.00	0.00	0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.00
CRMS 3985	0.00	-0.02	0.01	0.01	0.02	0.00	0.00	0.01	0.01	0.00	0.00	0.01
CRMS 0258	0.00	-0.01	0.00	0.01	0.00	0.00	0.00	-0.02	0.00	-0.01	0.00	0.02
CRMS 0224	0.00	-0.02	0.00	0.01	0.02	0.00	-0.01	-0.03	-0.02	-0.03	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 193 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.15	0.10	0.04	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.10	0.08	0.09	0.06	0.06	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.12	0.07	0.02	0.03	0.05	0.04	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.06	0.02	0.03	0.05	0.05	0.05	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.07	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.12	0.10	0.05	0.02	0.02	0.03	0.05	0.05	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.05	0.06	0.04	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.13	0.14	0.14	0.09	0.04	0.05	0.07	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.14	0.11	0.10	0.06	0.02	0.02	0.01	0.01	0.03	0.01	0.08	0.12
CRMS 0224	0.14	0.12	0.10	0.06	0.02	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

V3PR8 HYST - cy 4 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.09	0.08	0.09	0.08	0.07	0.08	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.12	0.10	0.09	0.10	0.09	0.08	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.04	0.01	0.02	0.14	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.11	0.11	0.09	0.10	0.09	0.05	0.03	0.04	0.10	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.11	0.10	0.07	0.03	0.03	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.10	0.08	0.10	0.09	0.08	0.06	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.09	0.07	0.07	0.07	0.07	0.05	0.04	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.08	0.07	0.07	0.07	0.06	0.04	0.04	0.09	0.14
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.09	0.08	0.08	0.08	0.08	0.07	0.07	0.07	0.09
CRMS 3985	0.12	0.11	0.13	0.10	0.08	0.08	0.06	0.05	0.06	0.06	0.10	0.12
CRMS 0258	0.11	0.10	0.12	0.10	0.07	0.07	0.07	0.03	0.03	0.01	0.10	0.13
CRMS 0224	0.11	0.10	0.12	0.11	0.08	0.10	0.10	0.06	0.03	0.03	0.10	0.14
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.09	0.08	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.06	0.00	0.07	0.08	0.10	0.09	0.08	0.07	0.07	0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.01	0.00	-0.01	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.05	0.01	0.07	0.09	0.10	0.09	0.03	0.00	0.02	0.07	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.05	-0.01	0.04	0.07	0.07	0.04	0.01	-0.01	0.00	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.01	0.05	0.07	0.08	0.05	0.02	-0.01	0.00	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.02	0.03	0.05	0.05	0.03	0.01	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.02	0.03	0.05	0.05	0.04	0.01	0.00	0.01	0.02	0.01
HWQ14 - Lake Washington	-0.03	-0.04	0.01	0.03	0.05	0.04	0.02	0.01	0.00	0.01	0.02	0.02
HWQ16 - Bayou Grand Liard	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.03	-0.01	0.01	0.04	0.02	-0.01	-0.01	0.00	0.01	0.01	0.01
CRMS 0258	-0.03	-0.01	0.02	0.04	0.05	0.06	0.06	0.02	0.00	0.00	0.02	0.01
CRMS 0224	-0.03	-0.01	0.02	0.05	0.06	0.08	0.08	0.04	-0.01	0.01	0.02	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 194 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.08	0.11	0.07	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.12	0.10	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.06	0.04	0.05	0.06	0.08	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.09	0.05	0.02	0.03	0.03	0.05	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.09	0.04	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.06	0.09	0.09	0.07	0.08	0.06	0.06	0.06
CRMS 3985	0.10	0.12	0.09	0.06	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.11	0.08	0.05	0.03	0.02	0.01	0.01	0.03	0.01	0.09	0.08
CRMS 0224	0.11	0.11	0.10	0.05	0.03	0.02	0.02	0.03	0.04	0.02	0.09	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.08	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR8 HYST - cy 4 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.11	0.10	0.07	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.14	0.10	0.09	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.13	0.14	0.06	0.08	0.08	0.16	0.12	0.02	0.01	0.02	0.13	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.10	0.04	0.04	0.04	0.09	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.15	0.12	0.05	0.04	0.03	0.09	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.10	0.06	0.08	0.08	0.14	0.11	0.07	0.06	0.05	0.09	0.06
USGS073802516 Barataria Pass at Grand Isle	0.08	0.11	0.07	0.07	0.07	0.09	0.08	0.06	0.05	0.04	0.08	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.07	0.07	0.09	0.08	0.06	0.05	0.04	0.09	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.08	0.08	0.06	0.06	0.07
CRMS 3985	0.09	0.11	0.07	0.08	0.08	0.11	0.07	0.06	0.06	0.06	0.09	0.08
CRMS 0258	0.10	0.11	0.07	0.08	0.08	0.13	0.08	0.01	0.02	0.01	0.10	0.06
CRMS 0224	0.09	0.11	0.06	0.08	0.08	0.15	0.12	0.03	0.03	0.02	0.10	0.06
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.11	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.13	0.10	0.09	0.08	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.07	-0.08	-0.04	0.04	0.07	0.15	0.11	0.09	0.08	0.07	0.00	-0.04
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	0.00	-0.04	0.04	0.07	0.15	0.11	0.01	0.00	0.01	0.05	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.01	-0.03	0.03	0.07	0.12	0.06	-0.01	0.00	0.00	0.02	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.04	0.03	0.06	0.13	0.07	-0.01	-0.02	0.00	0.02	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.01	0.00	-0.03	0.02	0.04	0.09	0.05	-0.01	-0.01	0.00	0.02	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	0.03	0.04	0.06	0.05	0.01	0.00	0.01	0.01	-0.03
HWQ14 - Lake Washington	-0.03	-0.01	-0.02	0.03	0.05	0.06	0.04	0.01	0.00	0.01	0.02	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.01	0.00	0.01	0.00	0.01	0.00	0.00	0.01	0.01
CRMS 3985	-0.01	-0.01	-0.02	0.02	0.04	0.06	0.01	-0.01	0.00	0.00	0.01	-0.02
CRMS 0258	-0.02	0.00	-0.02	0.03	0.05	0.11	0.08	0.00	0.00	0.00	0.01	-0.02
CRMS 0224	-0.02	0.00	-0.03	0.03	0.05	0.13	0.10	0.00	-0.01	0.01	0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 195 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.09	0.12	0.11	0.08	0.07	0.08	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.13	0.13	0.09	0.09	0.08	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.04	0.05	0.04	0.04	0.08	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.11	0.08	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.09	0.08	0.06	0.05	0.05	0.07	0.08	0.07	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.11	0.08	0.05	0.03	0.02	0.04	0.05	0.06	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.04	0.02	0.03	0.05	0.05	0.05	0.04	0.07	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.08	0.08	0.06	0.07	0.08
CRMS 3985	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.06	0.06	0.09	0.11
CRMS 0258	0.14	0.08	0.07	0.06	0.04	0.02	0.01	0.01	0.03	0.01	0.08	0.13
CRMS 0224	0.14	0.09	0.07	0.06	0.03	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.08	0.08	0.08	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.14	0.10	0.08	0.08	0.08	0.07

V3PR9 HYST - cy 4 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.13	0.08	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.08	0.12	0.10	0.08	0.07	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.14	0.13	0.12	0.09	0.09	0.07	0.08	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.13	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.09	0.05	0.02	0.03	0.04	0.05	0.04	0.04	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.11	0.08	0.05	0.02	0.03	0.04	0.05	0.05	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.09	0.08	0.06	0.05	0.05	0.07	0.08	0.07	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.11	0.08	0.05	0.02	0.02	0.04	0.05	0.06	0.03	0.07	0.10
HWQ14 - Lake Washington	0.14	0.13	0.09	0.04	0.02	0.03	0.04	0.05	0.05	0.04	0.08	0.11
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.08	0.06	0.06	0.09	0.11
CRMS 0258	0.14	0.08	0.07	0.06	0.03	0.02	0.01	0.01	0.03	0.01	0.08	0.13
CRMS 0224	0.14	0.10	0.07	0.05	0.03	0.02	0.02	0.02	0.04	0.02	0.08	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.09	0.09	0.08	0.08	0.08
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.14	0.14	0.10	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 196 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.09	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.07	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.11	0.08	0.07	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.13	0.08	0.04	0.01	0.01	0.01	0.02	0.01	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.06	0.02	0.03	0.05	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.09	0.06	0.03	0.03	0.04	0.06	0.06	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.07	0.05	0.05	0.06	0.07	0.08	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.05	0.03	0.02	0.03	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.13	0.10	0.05	0.02	0.03	0.05	0.06	0.05	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.09	0.09	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.11	0.12	0.12	0.08	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.10	0.09	0.07	0.03	0.01	0.01	0.02	0.02	0.01	0.09	0.09
CRMS 0224	0.12	0.10	0.08	0.06	0.03	0.02	0.02	0.04	0.04	0.02	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.08	0.07	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.05	0.06	0.05

V3PR9 HYST - cy 4 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.14	0.09	0.04	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.10	0.07	0.06	0.08	0.06	0.07	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.13	0.08	0.04	0.01	0.01	0.01	0.02	0.02	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.11	0.06	0.02	0.03	0.05	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.12	0.09	0.06	0.02	0.03	0.04	0.06	0.06	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.07	0.04	0.04	0.06	0.07	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.05	0.02	0.02	0.03	0.05	0.06	0.04	0.07	0.10
HWQ14 - Lake Washington	0.13	0.14	0.10	0.05	0.02	0.03	0.05	0.06	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.08	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.11	0.12	0.12	0.08	0.04	0.05	0.07	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.10	0.09	0.07	0.03	0.01	0.01	0.02	0.03	0.02	0.07	0.09
CRMS 0224	0.12	0.10	0.08	0.06	0.03	0.02	0.02	0.04	0.04	0.03	0.07	0.10
CRMS 0163	0.08	0.08	0.10	0.11	0.14	0.11	0.07	0.06	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.12	0.09	0.08	0.06	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.02	0.00
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 197 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.08	0.02	0.01	0.00	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.05	0.05	0.09	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.07	0.02	0.01	0.01	0.01	0.02	0.03	0.02	0.07	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.09	0.04	0.02	0.03	0.04	0.04	0.04	0.03	0.07	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.10	0.08	0.04	0.02	0.02	0.04	0.06	0.06	0.05	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.05	0.03	0.03	0.05	0.05	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.08	0.04	0.01	0.02	0.03	0.06	0.06	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.03	0.02	0.02	0.05	0.05	0.05	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.04	0.05	0.04	0.06	0.07
CRMS 3985	0.11	0.10	0.09	0.05	0.03	0.04	0.06	0.06	0.06	0.05	0.07	0.09
CRMS 0258	0.13	0.08	0.07	0.04	0.02	0.01	0.01	0.03	0.04	0.02	0.08	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.02	0.01	0.02	0.05	0.05	0.06	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

V3PR9 HYST - cy 4 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.09	0.03	0.00	0.00	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.04	0.06	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.07	0.04	0.04	0.08	0.06	0.06	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.08	0.02	0.01	0.01	0.01	0.02	0.04	0.03	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.12	0.09	0.04	0.02	0.03	0.04	0.04	0.04	0.03	0.07	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.11	0.09	0.04	0.02	0.02	0.04	0.06	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.09	0.08	0.05	0.03	0.03	0.05	0.05	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.08	0.04	0.01	0.02	0.03	0.05	0.06	0.05	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.09	0.03	0.02	0.02	0.05	0.05	0.04	0.04	0.07	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.05	0.06	0.04	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.11	0.10	0.09	0.05	0.04	0.04	0.06	0.06	0.06	0.05	0.07	0.09
CRMS 0258	0.14	0.08	0.07	0.03	0.01	0.01	0.01	0.04	0.05	0.04	0.09	0.08
CRMS 0224	0.13	0.09	0.08	0.04	0.01	0.01	0.02	0.05	0.06	0.06	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.04	0.05	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	0.01
CRMS 0224	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 198 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.15	0.10	0.04	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.10	0.08	0.09	0.06	0.06	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.12	0.07	0.02	0.03	0.05	0.04	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.06	0.02	0.03	0.05	0.05	0.05	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.10	0.07	0.04	0.05	0.06	0.07	0.07	0.05	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.13	0.12	0.10	0.05	0.02	0.02	0.03	0.05	0.05	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.05	0.06	0.04	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.07	0.08
CRMS 3985	0.13	0.14	0.14	0.09	0.04	0.05	0.07	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.14	0.11	0.10	0.06	0.02	0.02	0.01	0.01	0.03	0.01	0.08	0.12
CRMS 0224	0.14	0.12	0.10	0.06	0.02	0.02	0.02	0.02	0.04	0.02	0.08	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

V3PR9 HYST - cy 4 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.15	0.10	0.03	0.00	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.09	0.06	0.06	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.12	0.11	0.09	0.11	0.09	0.08	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.17	0.15	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.12	0.07	0.02	0.03	0.05	0.04	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.14	0.13	0.10	0.06	0.02	0.03	0.04	0.05	0.05	0.03	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.12	0.11	0.10	0.07	0.04	0.04	0.06	0.07	0.07	0.05	0.08	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.13	0.10	0.05	0.02	0.02	0.03	0.05	0.05	0.03	0.07	0.11
HWQ14 - Lake Washington	0.15	0.15	0.11	0.06	0.02	0.03	0.05	0.06	0.04	0.03	0.07	0.11
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.08	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.07
CRMS 3985	0.13	0.14	0.14	0.09	0.05	0.05	0.07	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.15	0.11	0.10	0.06	0.02	0.02	0.01	0.01	0.03	0.01	0.08	0.12
CRMS 0224	0.14	0.12	0.10	0.05	0.02	0.02	0.02	0.02	0.04	0.02	0.08	0.12
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.11	0.10	0.09	0.11	0.10	0.09	0.08	0.08	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0224	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 199 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.09	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.08	0.11	0.07	0.06	0.08	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.14	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.12	0.10	0.05	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.06	0.04	0.05	0.06	0.08	0.07	0.05	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.09	0.05	0.02	0.03	0.03	0.05	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.14	0.09	0.04	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.06	0.09	0.09	0.07	0.08	0.06	0.06	0.06
CRMS 3985	0.10	0.12	0.09	0.06	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.09
CRMS 0258	0.12	0.11	0.08	0.05	0.03	0.02	0.01	0.01	0.03	0.01	0.09	0.08
CRMS 0224	0.11	0.11	0.10	0.05	0.03	0.02	0.02	0.03	0.04	0.02	0.09	0.10
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.08	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

V3PR9 HYST - cy 4 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.15	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.06	0.08	0.07	0.11	0.07	0.06	0.09	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.06	0.08	0.08	0.14	0.11	0.08	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.15	0.11	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.10	0.05	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.12	0.10	0.05	0.02	0.02	0.04	0.05	0.05	0.04	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.10	0.06	0.04	0.05	0.06	0.08	0.07	0.06	0.05	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.12	0.09	0.05	0.02	0.03	0.03	0.05	0.06	0.03	0.07	0.09
HWQ14 - Lake Washington	0.13	0.13	0.10	0.04	0.02	0.03	0.04	0.05	0.05	0.04	0.07	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.07	0.06	0.09	0.09	0.07	0.08	0.06	0.04	0.06
CRMS 3985	0.10	0.11	0.09	0.06	0.03	0.04	0.06	0.07	0.07	0.06	0.08	0.09
CRMS 0258	0.12	0.11	0.09	0.05	0.03	0.02	0.01	0.01	0.03	0.01	0.07	0.08
CRMS 0224	0.11	0.11	0.10	0.05	0.03	0.02	0.02	0.02	0.04	0.02	0.07	0.09
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.08	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.06	0.08	0.08	0.16	0.13	0.10	0.09	0.07	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00
CRMS 0224	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 200 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.12
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.13	0.12	0.09	0.07	0.09	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.10	0.06	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.06	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.12	0.09	0.06	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.10	0.07	0.06	0.03	0.03	0.05	0.06	0.06	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.07	0.07	0.06	0.06	0.08	0.08	0.08	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.10	0.08	0.05	0.04	0.04	0.05	0.07	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.05	0.02	0.03	0.05	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.07	0.08	0.07	0.07	0.08
CRMS 3985	0.12	0.11	0.10	0.07	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.11
CRMS 0258	0.12	0.07	0.06	0.07	0.06	0.03	0.01	0.02	0.04	0.03	0.08	0.11
CRMS 0224	0.13	0.08	0.06	0.06	0.05	0.03	0.03	0.04	0.06	0.03	0.08	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.05	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.07	0.06

V3PR2 HYST - cy 5 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.12	0.10	0.08	0.07	0.09	0.06	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.07	0.08	0.09	0.15	0.14	0.13	0.03	0.01	0.03	0.11	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.08	0.08	0.09	0.07	0.07	0.04	0.05	0.04	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.08	0.08	0.08	0.08	0.06	0.08	0.06	0.05	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.08	0.09	0.08	0.09	0.09	0.08	0.07	0.07	0.11
USGS073802516 Barataria Pass at Grand Isle	0.11	0.09	0.08	0.06	0.06	0.05	0.06	0.06	0.07	0.05	0.07	0.11
HWQ14 - Lake Washington	0.12	0.10	0.09	0.06	0.06	0.05	0.07	0.07	0.05	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.08	0.07	0.08	0.06	0.05	0.07
CRMS 3985	0.11	0.09	0.09	0.07	0.07	0.05	0.06	0.06	0.06	0.05	0.08	0.11
CRMS 0258	0.10	0.07	0.07	0.08	0.07	0.05	0.06	0.02	0.04	0.03	0.09	0.11
CRMS 0224	0.10	0.07	0.07	0.08	0.08	0.07	0.08	0.04	0.05	0.04	0.09	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.13	0.13	0.13	0.10	0.07	0.07	0.07	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	0.00	0.04	0.13	0.12	0.12	0.09	0.06	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.03	0.01	0.05	0.13	0.13	0.12	0.01	-0.01	0.02	0.05	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.01	0.02	0.07	0.05	0.03	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	0.00	0.02	0.05	0.03	0.02	0.00	-0.01	0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.00	0.01	0.03	0.01	0.01	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.01	0.02	0.01	0.01	0.00	-0.01	0.00	-0.01	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.01	0.04	0.02	0.02	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.02	0.00
CRMS 3985	-0.01	-0.02	-0.01	0.00	0.04	0.01	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.02	0.00	0.01	0.01	0.02	0.02	0.05	0.00	0.00	0.00	0.00	0.00
CRMS 0224	-0.03	-0.01	0.01	0.02	0.03	0.04	0.05	0.00	-0.01	0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00

Figure WQ PO4 201 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.11	0.12	0.10	0.06	0.07	0.09	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.09	0.06	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.12	0.09	0.02	0.03	0.05	0.05	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.10	0.08	0.04	0.04	0.06	0.07	0.07	0.06	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.10	0.09	0.07	0.06	0.08	0.08	0.08	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.10	0.08	0.05	0.04	0.05	0.07	0.08	0.06	0.08	0.11
HWQ14 - Lake Washington	0.15	0.15	0.12	0.08	0.03	0.04	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.07	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.13	0.14	0.13	0.10	0.04	0.05	0.06	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.12	0.09	0.09	0.09	0.05	0.03	0.01	0.02	0.04	0.03	0.08	0.08
CRMS 0224	0.13	0.10	0.09	0.08	0.05	0.03	0.03	0.05	0.06	0.05	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.11	0.09	0.08	0.06	0.04	0.06	0.05

V3PR2 HYST - cy 5 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.08	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.05	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.07	0.06	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.08	0.10	0.11	0.13	0.05	0.04	0.03	0.02	0.03	0.08	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.11	0.10	0.08	0.04	0.04	0.05	0.04	0.03	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.10	0.09	0.09	0.05	0.05	0.06	0.06	0.05	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.09	0.09	0.07	0.07	0.06	0.07	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.09	0.10	0.07	0.06	0.04	0.04	0.06	0.07	0.06	0.08	0.10
HWQ14 - Lake Washington	0.11	0.10	0.11	0.08	0.06	0.05	0.06	0.07	0.06	0.04	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.09	0.09	0.06	0.04	0.06	0.05	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.07	0.05	0.06	0.07	0.06	0.05	0.08	0.10
CRMS 0258	0.09	0.08	0.10	0.09	0.07	0.02	0.01	0.01	0.04	0.06	0.07	0.07
CRMS 0224	0.09	0.08	0.10	0.09	0.08	0.03	0.02	0.04	0.05	0.06	0.07	0.08
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.06	0.06	0.06	0.05
CRMS 0162	0.07	0.07	0.09	0.10	0.12	0.11	0.09	0.07	0.04	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	-0.01	0.04	0.12	0.11	0.08	0.08	0.06	0.06	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.04	0.00	0.05	0.12	0.04	0.03	0.02	0.00	0.02	0.00	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.01	0.01	0.06	0.01	0.00	0.00	0.00	0.00	0.00	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.03	0.00	0.01	0.05	0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.00	0.02	0.00	-0.01	-0.01	-0.01	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	0.00	0.00	0.02	0.00	-0.01	-0.01	-0.01	0.00	0.00	-0.01
HWQ14 - Lake Washington	-0.04	-0.04	-0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00	-0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.03	-0.02	-0.01	0.03	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.04	-0.01	0.01	0.00	0.02	-0.01	0.00	0.00	0.00	0.03	-0.01	-0.01
CRMS 0224	-0.04	-0.02	0.01	0.00	0.03	0.00	0.00	-0.01	-0.01	0.01	-0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.02	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00

Figure WQ PO4 202 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.13	0.09	0.03	0.01	0.00	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.10	0.05	0.02	0.02	0.04	0.04	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.11	0.10	0.05	0.02	0.03	0.05	0.07	0.07	0.07	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.09	0.06	0.04	0.05	0.07	0.05	0.08	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.10	0.05	0.03	0.04	0.05	0.06	0.08	0.06	0.09	0.10
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.06	0.06	0.06	0.05	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.13	0.14	0.10	0.06	0.03	0.04	0.06	0.06	0.06	0.05	0.09	0.10
CRMS 0258	0.14	0.07	0.07	0.04	0.03	0.02	0.01	0.03	0.04	0.04	0.08	0.08
CRMS 0224	0.14	0.08	0.08	0.04	0.03	0.02	0.03	0.05	0.07	0.07	0.09	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.05	0.05	0.06

V3PR2 HYST - cy 5 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.09	0.10	0.05	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.05	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.07	0.08	0.05	0.07	0.05	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.06	0.07	0.06	0.05	0.03	0.04	0.03	0.03	0.02	0.07	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.08	0.09	0.06	0.04	0.02	0.04	0.04	0.04	0.03	0.07	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.05	0.04	0.03	0.05	0.06	0.06	0.06	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.05	0.05	0.04	0.06	0.05	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.07	0.04	0.03	0.03	0.04	0.06	0.07	0.06	0.08	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.03	0.03	0.06	0.07	0.06	0.04	0.08	0.10
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.06	0.06	0.04	0.03	0.05	0.05	0.06	0.07
CRMS 3985	0.11	0.09	0.09	0.06	0.04	0.04	0.06	0.06	0.06	0.05	0.07	0.10
CRMS 0258	0.11	0.06	0.06	0.04	0.02	0.01	0.01	0.01	0.07	0.05	0.06	0.08
CRMS 0224	0.11	0.07	0.07	0.04	0.04	0.02	0.03	0.05	0.06	0.06	0.07	0.09
CRMS 0163	0.06	0.05	0.06	0.06	0.07	0.07	0.06	0.05	0.05	0.05	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.06	0.04	0.05	0.04	0.04	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.10	-0.07	-0.03	0.04	0.06	0.07	0.07	0.09	0.08	0.05	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	-0.02	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.05	-0.02	0.03	0.04	0.02	0.03	0.02	-0.01	0.00	-0.01	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.07	-0.01	0.01	0.02	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.04	-0.02	0.00	0.01	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	-0.03	-0.01	0.00	-0.02	-0.01	0.00	-0.01	0.00	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.06	-0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	0.00	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.05	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
CRMS 0258	-0.03	-0.01	-0.01	0.00	0.00	0.00	0.00	-0.01	0.03	0.01	-0.02	0.00
CRMS 0224	-0.02	-0.02	-0.02	0.00	0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	-0.01	0.00	0.00	-0.04	-0.01	0.00	-0.01	0.00	0.00

Figure WQ PO4 203 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.12	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.10	0.09	0.10	0.07	0.07	0.09	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.14	0.11	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.14	0.09	0.02	0.03	0.05	0.04	0.05	0.03	0.09	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.12	0.08	0.03	0.04	0.06	0.06	0.07	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.13	0.12	0.11	0.09	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.08	0.04	0.04	0.05	0.07	0.07	0.05	0.09	0.12
HWQ14 - Lake Washington	0.17	0.17	0.13	0.08	0.03	0.04	0.06	0.07	0.05	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.09	0.08	0.08	0.08	0.07	0.08	0.06	0.07	0.08
CRMS 3985	0.16	0.16	0.15	0.11	0.04	0.05	0.07	0.06	0.06	0.05	0.09	0.12
CRMS 0258	0.15	0.11	0.11	0.07	0.04	0.03	0.01	0.01	0.05	0.02	0.09	0.11
CRMS 0224	0.15	0.12	0.11	0.07	0.04	0.04	0.03	0.04	0.06	0.04	0.09	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.10	0.10	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

V3PR2 HYST - cy 5 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.09	0.07	0.07	0.08	0.06	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.09	0.05	0.02	0.03	0.09	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.13	0.09	0.07	0.05	0.05	0.04	0.05	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.11	0.12	0.08	0.07	0.06	0.07	0.06	0.05	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.11	0.08	0.07	0.07	0.08	0.08	0.07	0.06	0.07	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.07	0.05	0.05	0.05	0.06	0.06	0.05	0.08	0.11
HWQ14 - Lake Washington	0.13	0.12	0.12	0.07	0.05	0.05	0.06	0.07	0.05	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.05	0.05	0.08
CRMS 3985	0.13	0.12	0.13	0.09	0.06	0.05	0.06	0.06	0.06	0.05	0.09	0.11
CRMS 0258	0.11	0.10	0.11	0.08	0.04	0.04	0.05	0.03	0.04	0.03	0.09	0.10
CRMS 0224	0.11	0.11	0.11	0.08	0.06	0.06	0.07	0.05	0.05	0.04	0.08	0.11
CRMS 0163	0.09	0.10	0.11	0.10	0.10	0.11	0.10	0.09	0.08	0.07	0.08	0.06
CRMS 0162	0.09	0.09	0.10	0.09	0.09	0.11	0.10	0.09	0.06	0.05	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	-0.02	0.05	0.08	0.10	0.09	0.08	0.06	0.06	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.04	0.00	0.06	0.08	0.10	0.09	0.05	0.00	0.02	0.02	-0.04
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.01	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.00	0.00	0.03	0.02	0.01	0.00	-0.01	0.00	-0.01	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.00	-0.01	0.01	0.01	0.00	-0.01	-0.01	-0.01	-0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.01	-0.01	0.01	0.01	0.00	-0.01	-0.01	0.00	-0.01	-0.01
HWQ14 - Lake Washington	-0.04	-0.05	-0.01	-0.01	0.02	0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01
CRMS 3985	-0.03	-0.04	-0.02	-0.02	0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	-0.01
CRMS 0258	-0.04	0.00	0.00	0.00	0.01	0.01	0.04	0.02	-0.01	0.01	0.00	-0.01
CRMS 0224	-0.04	-0.01	0.00	0.00	0.02	0.03	0.04	0.01	-0.01	0.00	-0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00

Figure WQ PO4 204 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.08	0.08	0.12	0.08	0.07	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.11	0.05	0.02	0.02	0.05	0.05	0.05	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.11	0.06	0.03	0.04	0.06	0.06	0.07	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.10	0.07	0.05	0.07	0.08	0.09	0.09	0.07	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.10	0.06	0.04	0.04	0.05	0.07	0.08	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.07	0.07	0.10	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.13	0.14	0.11	0.07	0.03	0.04	0.07	0.07	0.07	0.05	0.09	0.11
CRMS 0258	0.12	0.10	0.08	0.06	0.05	0.04	0.01	0.01	0.05	0.02	0.09	0.08
CRMS 0224	0.12	0.11	0.10	0.06	0.05	0.04	0.03	0.04	0.06	0.03	0.09	0.09
CRMS 0163	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.08	0.07	0.07	0.05

V3PR2 HYST - cy 5 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.09	0.08	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.11	0.08	0.07	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.09	0.06	0.08	0.08	0.15	0.12	0.03	0.02	0.03	0.08	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.08	0.07	0.07	0.07	0.05	0.04	0.05	0.03	0.08	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.05	0.08	0.07
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.07	0.07	0.07	0.08	0.09	0.08	0.07	0.06	0.07	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.10	0.08	0.06	0.05	0.05	0.06	0.06	0.07	0.05	0.08	0.08
HWQ14 - Lake Washington	0.10	0.12	0.09	0.06	0.05	0.05	0.07	0.07	0.05	0.04	0.08	0.09
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.06	0.07	0.09	0.08	0.06	0.07	0.05	0.05	0.07
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.05	0.06	0.06	0.07	0.05	0.09	0.09
CRMS 0258	0.09	0.09	0.06	0.07	0.05	0.06	0.05	0.01	0.04	0.03	0.08	0.07
CRMS 0224	0.09	0.09	0.06	0.07	0.06	0.09	0.07	0.04	0.05	0.04	0.08	0.07
CRMS 0163	0.06	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.08	0.06	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.13	0.10	0.06	0.05	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.07	0.00	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	-0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.05	-0.05	0.04	0.07	0.14	0.11	0.02	0.00	0.02	0.00	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.04	-0.03	0.02	0.05	0.04	0.01	0.00	0.00	0.00	0.00	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	-0.05	0.01	0.03	0.04	0.02	-0.01	-0.01	0.00	0.00	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.03	0.00	0.01	0.02	0.01	0.00	-0.01	-0.01	-0.01	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.03	0.00	0.01	0.01	0.01	-0.01	-0.01	0.00	-0.01	-0.03
HWQ14 - Lake Washington	-0.04	-0.03	-0.03	0.00	0.03	0.02	0.01	0.00	0.00	0.00	-0.01	-0.03
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
CRMS 3985	-0.03	-0.03	-0.02	0.00	0.03	0.01	-0.01	0.00	0.00	0.00	0.00	-0.02
CRMS 0258	-0.03	-0.01	-0.02	0.01	0.01	0.03	0.04	0.00	-0.01	0.01	-0.02	-0.01
CRMS 0224	-0.03	-0.02	-0.03	0.01	0.02	0.05	0.04	0.00	-0.01	0.01	-0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.02	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00

Figure WQ PO4 205 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.12
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.13	0.12	0.09	0.07	0.09	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.10	0.06	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.06	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.12	0.09	0.06	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.10	0.07	0.06	0.03	0.03	0.05	0.06	0.06	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.07	0.07	0.06	0.06	0.08	0.08	0.08	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.10	0.08	0.05	0.04	0.04	0.05	0.07	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.05	0.02	0.03	0.05	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.07	0.08	0.07	0.07	0.08
CRMS 3985	0.12	0.11	0.10	0.07	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.11
CRMS 0258	0.12	0.07	0.06	0.07	0.06	0.03	0.01	0.02	0.04	0.03	0.08	0.11
CRMS 0224	0.13	0.08	0.06	0.06	0.05	0.03	0.03	0.04	0.06	0.03	0.08	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.05	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.07	0.06

V3PR3 HYST - cy 5 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.12	0.10	0.08	0.08	0.09	0.07	0.08	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.07	0.08	0.09	0.15	0.14	0.13	0.05	0.02	0.04	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.09	0.08	0.08	0.09	0.06	0.06	0.04	0.05	0.04	0.08	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.08	0.08	0.08	0.09	0.06	0.08	0.06	0.06	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.08	0.09	0.08	0.09	0.09	0.08	0.07	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.11	0.09	0.08	0.06	0.06	0.05	0.06	0.07	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.13	0.10	0.09	0.06	0.06	0.05	0.07	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.08	0.07	0.08	0.06	0.06	0.08
CRMS 3985	0.11	0.10	0.09	0.08	0.07	0.05	0.06	0.06	0.06	0.05	0.08	0.12
CRMS 0258	0.10	0.07	0.07	0.08	0.07	0.05	0.06	0.02	0.04	0.03	0.09	0.10
CRMS 0224	0.10	0.07	0.08	0.08	0.09	0.07	0.08	0.04	0.05	0.05	0.09	0.11
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.08
CRMS 0162	0.06	0.06	0.07	0.09	0.13	0.13	0.13	0.10	0.08	0.07	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	0.00	0.04	0.13	0.12	0.12	0.09	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.03	0.01	0.05	0.13	0.13	0.13	0.03	0.00	0.03	0.04	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.03	0.00	0.02	0.07	0.04	0.02	0.00	0.01	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.02	0.00	0.02	0.05	0.03	0.02	0.00	-0.01	0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.01	0.00	0.01	0.03	0.02	0.01	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.01	0.02	0.01	0.01	0.00	0.00	0.00	0.00	0.00
HWQ14 - Lake Washington	-0.02	-0.03	0.00	0.01	0.04	0.02	0.02	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	-0.01	0.01
CRMS 3985	-0.01	-0.02	0.00	0.00	0.04	0.01	0.00	-0.01	0.00	0.00	0.00	0.00
CRMS 0258	-0.03	0.00	0.01	0.01	0.02	0.02	0.05	0.00	0.00	0.00	0.01	-0.02
CRMS 0224	-0.03	-0.01	0.01	0.02	0.03	0.04	0.05	0.00	-0.01	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.01

Figure WQ PO4 206 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.11	0.12	0.10	0.06	0.07	0.09	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.09	0.06	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.12	0.09	0.02	0.03	0.05	0.05	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.10	0.08	0.04	0.04	0.06	0.07	0.07	0.06	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.10	0.09	0.07	0.06	0.08	0.08	0.08	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.10	0.08	0.05	0.04	0.05	0.07	0.08	0.06	0.08	0.11
HWQ14 - Lake Washington	0.15	0.15	0.12	0.08	0.03	0.04	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.07	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.13	0.14	0.13	0.10	0.04	0.05	0.06	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.12	0.09	0.09	0.09	0.05	0.03	0.01	0.02	0.04	0.03	0.08	0.08
CRMS 0224	0.13	0.10	0.09	0.08	0.05	0.03	0.03	0.05	0.06	0.05	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.11	0.09	0.08	0.06	0.04	0.06	0.05

V3PR3 HYST - cy 5 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.06	0.08	0.06	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.07	0.06	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.10	0.11	0.13	0.05	0.01	0.01	0.01	0.02	0.09	0.07
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.11	0.10	0.08	0.04	0.04	0.04	0.04	0.03	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.09	0.10	0.09	0.09	0.05	0.05	0.06	0.06	0.05	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.09	0.09	0.10	0.09	0.09	0.07	0.07	0.07	0.08	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.10	0.09	0.10	0.07	0.06	0.04	0.04	0.06	0.07	0.06	0.08	0.10
HWQ14 - Lake Washington	0.11	0.10	0.11	0.08	0.06	0.05	0.06	0.07	0.06	0.04	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.09	0.09	0.06	0.04	0.06	0.05	0.05	0.07
CRMS 3985	0.11	0.11	0.11	0.09	0.07	0.05	0.06	0.07	0.06	0.05	0.08	0.10
CRMS 0258	0.09	0.08	0.10	0.09	0.07	0.02	0.01	0.02	0.04	0.05	0.07	0.07
CRMS 0224	0.09	0.08	0.10	0.09	0.09	0.03	0.03	0.04	0.05	0.06	0.07	0.08
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.06	0.06	0.06	0.05
CRMS 0162	0.07	0.07	0.09	0.10	0.12	0.11	0.09	0.07	0.04	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	-0.01	0.04	0.12	0.11	0.08	0.08	0.06	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.04	0.01	0.05	0.12	0.04	0.01	0.00	-0.01	0.01	0.01	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.01	0.01	0.06	0.01	-0.01	0.00	0.00	0.00	0.00	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.00	0.01	0.05	0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.02
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.00	0.02	0.00	-0.01	-0.01	-0.01	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.00	0.02	0.00	-0.01	0.00	-0.01	0.00	0.00	-0.01
HWQ14 - Lake Washington	-0.04	-0.04	-0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00	-0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.03	-0.02	-0.01	0.03	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.03	-0.01	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.02	-0.01	-0.01
CRMS 0224	-0.04	-0.02	0.01	0.00	0.03	0.00	0.00	0.00	-0.01	0.01	-0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00

Figure WQ PO4 207 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.13	0.09	0.03	0.01	0.00	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.10	0.05	0.02	0.02	0.04	0.04	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.11	0.10	0.05	0.02	0.03	0.05	0.07	0.07	0.07	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.09	0.06	0.04	0.05	0.07	0.05	0.08	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.10	0.05	0.03	0.04	0.05	0.06	0.08	0.06	0.09	0.10
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.06	0.06	0.06	0.05	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.13	0.14	0.10	0.06	0.03	0.04	0.06	0.06	0.06	0.05	0.09	0.10
CRMS 0258	0.14	0.07	0.07	0.04	0.03	0.02	0.01	0.03	0.04	0.04	0.08	0.08
CRMS 0224	0.14	0.08	0.08	0.04	0.03	0.02	0.03	0.05	0.07	0.07	0.09	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.05	0.05	0.06

V3PR3 HYST - cy 5 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.05	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.05	0.06	0.05	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.07	0.08	0.07	0.06	0.01	0.01	0.01	0.02	0.02	0.09	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.08	0.09	0.05	0.03	0.02	0.04	0.03	0.03	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.05	0.04	0.03	0.05	0.06	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.05	0.05	0.04	0.06	0.06	0.07	0.06	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.07	0.04	0.03	0.03	0.04	0.06	0.07	0.06	0.08	0.10
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.03	0.03	0.06	0.07	0.05	0.04	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.06	0.06	0.04	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.11	0.09	0.09	0.06	0.04	0.04	0.06	0.06	0.06	0.05	0.08	0.10
CRMS 0258	0.12	0.06	0.06	0.04	0.02	0.01	0.01	0.02	0.06	0.06	0.07	0.08
CRMS 0224	0.12	0.07	0.07	0.04	0.04	0.02	0.03	0.05	0.06	0.06	0.07	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.06	0.06	0.05	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.05	0.04	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.10	-0.07	-0.03	0.04	0.06	0.07	0.07	0.09	0.08	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01	-0.02	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.05	0.00	0.04	0.05	0.01	0.01	0.00	-0.02	0.00	0.01	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.06	-0.01	0.01	0.02	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.04	-0.02	0.00	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	-0.02	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	-0.03	-0.01	0.00	-0.02	-0.01	0.00	-0.01	0.00	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.06	-0.02	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.05	-0.01	0.00	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
CRMS 0258	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.02	-0.01	0.01
CRMS 0224	-0.02	-0.01	-0.02	0.00	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.01	0.01	-0.01	0.00	0.00

Figure WQ PO4 208 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.12	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.10	0.09	0.10	0.07	0.07	0.09	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.14	0.11	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.14	0.09	0.02	0.03	0.05	0.04	0.05	0.03	0.09	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.12	0.08	0.03	0.04	0.06	0.06	0.07	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.13	0.12	0.11	0.09	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.08	0.04	0.04	0.05	0.07	0.07	0.05	0.09	0.12
HWQ14 - Lake Washington	0.17	0.17	0.13	0.08	0.03	0.04	0.06	0.07	0.05	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.09	0.08	0.08	0.08	0.07	0.08	0.06	0.07	0.08
CRMS 3985	0.16	0.16	0.15	0.11	0.04	0.05	0.07	0.06	0.06	0.05	0.09	0.12
CRMS 0258	0.15	0.11	0.11	0.07	0.04	0.03	0.01	0.01	0.05	0.02	0.09	0.11
CRMS 0224	0.15	0.12	0.11	0.07	0.04	0.04	0.03	0.04	0.06	0.04	0.09	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.10	0.10	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

V3PR3 HYST - cy 5 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.09	0.07	0.07	0.08	0.06	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.05	0.02	0.01	0.11	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.11	0.13	0.09	0.07	0.05	0.05	0.04	0.04	0.03	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.11	0.12	0.08	0.06	0.06	0.06	0.06	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.11	0.08	0.07	0.07	0.08	0.08	0.07	0.06	0.07	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.11	0.07	0.05	0.05	0.05	0.06	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.12	0.12	0.07	0.05	0.05	0.06	0.07	0.05	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.08
CRMS 3985	0.13	0.12	0.13	0.09	0.06	0.05	0.05	0.06	0.06	0.05	0.09	0.11
CRMS 0258	0.12	0.10	0.11	0.08	0.04	0.05	0.05	0.03	0.04	0.02	0.08	0.11
CRMS 0224	0.12	0.11	0.11	0.08	0.06	0.06	0.06	0.05	0.05	0.04	0.08	0.12
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.09	0.10	0.09	0.09	0.11	0.10	0.09	0.06	0.06	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	-0.02	0.05	0.08	0.10	0.09	0.08	0.06	0.07	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.04	0.00	0.06	0.09	0.10	0.09	0.05	-0.01	0.01	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.01	0.00	0.04	0.02	0.00	0.00	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.03	0.00	0.00	0.03	0.02	0.01	-0.01	-0.01	0.00	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.00	-0.01	0.01	0.01	0.00	0.00	-0.01	-0.01	-0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	-0.01	-0.01	0.01	0.01	0.00	-0.01	-0.01	0.00	-0.01	-0.01
HWQ14 - Lake Washington	-0.04	-0.05	-0.01	-0.01	0.02	0.01	0.00	0.00	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.02	-0.01
CRMS 3985	-0.03	-0.04	-0.02	-0.02	0.01	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.03	0.00	0.01	0.00	0.01	0.01	0.04	0.02	-0.01	0.00	-0.01	0.00
CRMS 0224	-0.04	-0.01	0.00	0.00	0.02	0.02	0.03	0.01	-0.01	0.00	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00

Figure WQ PO4 209 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.08	0.08	0.12	0.08	0.07	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.11	0.05	0.02	0.02	0.05	0.05	0.05	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.11	0.06	0.03	0.04	0.06	0.06	0.07	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.10	0.07	0.05	0.07	0.08	0.09	0.09	0.07	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.10	0.06	0.04	0.04	0.05	0.07	0.08	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.07	0.07	0.10	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.13	0.14	0.11	0.07	0.03	0.04	0.07	0.07	0.07	0.05	0.09	0.11
CRMS 0258	0.12	0.10	0.08	0.06	0.05	0.04	0.01	0.01	0.05	0.02	0.09	0.08
CRMS 0224	0.12	0.11	0.10	0.06	0.05	0.04	0.03	0.04	0.06	0.03	0.09	0.09
CRMS 0163	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.08	0.07	0.07	0.05

V3PR3 HYST - cy 5 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.11	0.08	0.07	0.08	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.06	0.08	0.08	0.16	0.12	0.01	0.02	0.02	0.10	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.08	0.07	0.06	0.06	0.05	0.04	0.04	0.03	0.08	0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.10	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.05	0.08	0.07
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.07	0.07	0.07	0.08	0.09	0.08	0.08	0.06	0.07	0.07
USGS073802516 Barataria Pass at Grand Isle	0.09	0.10	0.08	0.06	0.05	0.05	0.06	0.06	0.07	0.05	0.08	0.08
HWQ14 - Lake Washington	0.11	0.12	0.09	0.06	0.05	0.05	0.07	0.07	0.06	0.04	0.08	0.09
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.06	0.07	0.09	0.08	0.06	0.07	0.06	0.05	0.07
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.05	0.06	0.06	0.06	0.05	0.08	0.09
CRMS 0258	0.09	0.09	0.07	0.07	0.05	0.07	0.05	0.01	0.04	0.03	0.07	0.07
CRMS 0224	0.09	0.10	0.07	0.07	0.06	0.09	0.07	0.04	0.05	0.04	0.07	0.07
CRMS 0163	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.13	0.10	0.06	0.05	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	-0.01	-0.01	-0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.04	-0.05	0.04	0.07	0.15	0.12	0.01	0.00	0.01	0.02	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.03	-0.03	0.02	0.05	0.04	0.01	0.00	0.00	0.00	0.00	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.05	0.01	0.03	0.04	0.01	-0.01	-0.01	0.00	0.00	-0.04
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.03	0.00	0.01	0.02	0.01	0.00	-0.01	0.00	-0.01	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.03	0.00	0.01	0.01	0.01	-0.01	-0.01	0.00	-0.01	-0.03
HWQ14 - Lake Washington	-0.04	-0.03	-0.03	0.00	0.03	0.02	0.01	0.00	0.00	0.00	-0.01	-0.04
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
CRMS 3985	-0.03	-0.03	-0.02	0.00	0.03	0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.03	-0.01	-0.01	0.01	0.01	0.03	0.04	0.00	-0.01	0.01	-0.02	-0.01
CRMS 0224	-0.03	-0.02	-0.03	0.01	0.02	0.05	0.04	0.00	-0.01	0.01	-0.02	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.02	0.00	0.00

Figure WQ PO4 210 - Monthly Average PO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.12
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.13	0.12	0.09	0.07	0.09	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.10	0.06	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.06	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.12	0.09	0.06	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.10	0.07	0.06	0.03	0.03	0.05	0.06	0.06	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.07	0.07	0.06	0.06	0.08	0.08	0.08	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.10	0.08	0.05	0.04	0.04	0.05	0.07	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.05	0.02	0.03	0.05	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.07	0.08	0.07	0.07	0.08
CRMS 3985	0.12	0.11	0.10	0.07	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.11
CRMS 0258	0.12	0.07	0.06	0.07	0.06	0.03	0.01	0.02	0.04	0.03	0.08	0.11
CRMS 0224	0.13	0.08	0.06	0.06	0.05	0.03	0.03	0.04	0.06	0.03	0.08	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.05	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.07	0.06

V3PR4 HYST - cy 5 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.12	0.11	0.09	0.08	0.09	0.07	0.08	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.07	0.08	0.09	0.15	0.14	0.13	0.04	0.01	0.04	0.12	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.09	0.08	0.08	0.10	0.07	0.06	0.04	0.04	0.04	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.07	0.07	0.09	0.11	0.10	0.10	0.06	0.05	0.05	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.08	0.10	0.10	0.11	0.09	0.08	0.07	0.07	0.11
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.08	0.07	0.07	0.06	0.07	0.07	0.07	0.06	0.07	0.11
HWQ14 - Lake Washington	0.12	0.10	0.09	0.07	0.07	0.06	0.08	0.07	0.05	0.05	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.08	0.09	0.09	0.09	0.08	0.08	0.06	0.05	0.08
CRMS 3985	0.11	0.09	0.09	0.08	0.07	0.05	0.06	0.06	0.06	0.05	0.09	0.12
CRMS 0258	0.09	0.06	0.07	0.08	0.08	0.06	0.08	0.03	0.04	0.03	0.09	0.10
CRMS 0224	0.10	0.06	0.07	0.09	0.10	0.09	0.11	0.05	0.05	0.05	0.09	0.11
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.08
CRMS 0162	0.06	0.06	0.07	0.09	0.13	0.13	0.13	0.10	0.07	0.07	0.07	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	0.00	0.04	0.13	0.12	0.12	0.09	0.06	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.02	-0.01	0.00	0.01	0.00	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.03	0.01	0.05	0.13	0.13	0.12	0.03	-0.01	0.03	0.06	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.04	-0.01	0.03	0.09	0.05	0.03	-0.01	0.00	0.01	0.01	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	0.00	0.03	0.08	0.06	0.05	0.00	-0.01	0.01	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.00	0.02	0.05	0.04	0.03	0.01	0.00	0.00	-0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	0.00	0.02	0.03	0.02	0.03	0.00	0.00	0.01	0.00	0.00
HWQ14 - Lake Washington	-0.03	-0.03	0.00	0.02	0.05	0.03	0.02	0.00	0.00	0.01	0.01	0.00
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.01
CRMS 3985	-0.01	-0.02	-0.01	0.01	0.05	0.02	0.00	-0.01	0.00	0.00	0.00	0.01
CRMS 0258	-0.03	-0.01	0.01	0.02	0.03	0.04	0.07	0.01	0.00	0.01	0.01	-0.02
CRMS 0224	-0.03	-0.01	0.01	0.02	0.05	0.06	0.08	0.01	-0.01	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.01

Figure WQ PO4 211 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.11	0.12	0.10	0.06	0.07	0.09	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.09	0.06	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.12	0.09	0.02	0.03	0.05	0.05	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.10	0.08	0.04	0.04	0.06	0.07	0.07	0.06	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.10	0.09	0.07	0.06	0.08	0.08	0.08	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.10	0.08	0.05	0.04	0.05	0.07	0.08	0.06	0.08	0.11
HWQ14 - Lake Washington	0.15	0.15	0.12	0.08	0.03	0.04	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.07	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.13	0.14	0.13	0.10	0.04	0.05	0.06	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.12	0.09	0.09	0.09	0.05	0.03	0.01	0.02	0.04	0.03	0.08	0.08
CRMS 0224	0.13	0.10	0.09	0.08	0.05	0.03	0.03	0.05	0.06	0.05	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.11	0.09	0.08	0.06	0.04	0.06	0.05

V3PR4 HYST - cy 5 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.09	0.10	0.11	0.09	0.05	0.07	0.08	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.07	0.07	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.08	0.10	0.11	0.14	0.06	0.03	0.02	0.01	0.03	0.11	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.11	0.10	0.10	0.04	0.04	0.04	0.03	0.04	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.10	0.11	0.05	0.05	0.06	0.05	0.05	0.08	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.10	0.10	0.07	0.07	0.07	0.07	0.06	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.08	0.07	0.05	0.04	0.06	0.07	0.06	0.08	0.09
HWQ14 - Lake Washington	0.11	0.10	0.11	0.08	0.07	0.05	0.06	0.07	0.05	0.05	0.08	0.09
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.06	0.04	0.06	0.05	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.08	0.05	0.06	0.05	0.04	0.05	0.07	0.09
CRMS 0258	0.09	0.08	0.10	0.09	0.08	0.02	0.01	0.01	0.03	0.04	0.07	0.07
CRMS 0224	0.09	0.08	0.10	0.10	0.10	0.04	0.03	0.04	0.05	0.06	0.07	0.08
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.11	0.09	0.08	0.06	0.06	0.06	0.05
CRMS 0162	0.07	0.07	0.09	0.10	0.12	0.11	0.09	0.07	0.04	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	-0.01	0.04	0.12	0.11	0.08	0.08	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.04	0.01	0.05	0.12	0.05	0.03	0.01	-0.01	0.02	0.03	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.02	0.01	0.08	0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.04	-0.01	0.02	0.07	0.01	-0.01	-0.01	-0.02	0.00	0.00	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.01	0.04	0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.00	0.03	0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.02
HWQ14 - Lake Washington	-0.05	-0.05	-0.01	0.00	0.04	0.01	0.00	0.00	-0.01	0.01	-0.01	-0.03
HWQ16 - Bayou Grand Liard	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.04	-0.02	-0.01	0.03	0.00	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01
CRMS 0258	-0.04	-0.01	0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.02	-0.01	-0.01
CRMS 0224	-0.04	-0.02	0.01	0.01	0.04	0.00	0.00	-0.01	-0.01	0.01	-0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00

Figure WQ PO4 212 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.13	0.09	0.03	0.01	0.00	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.10	0.05	0.02	0.02	0.04	0.04	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.11	0.10	0.05	0.02	0.03	0.05	0.07	0.07	0.07	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.09	0.06	0.04	0.05	0.07	0.05	0.08	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.10	0.05	0.03	0.04	0.05	0.06	0.08	0.06	0.09	0.10
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.06	0.06	0.06	0.05	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.13	0.14	0.10	0.06	0.03	0.04	0.06	0.06	0.06	0.05	0.09	0.10
CRMS 0258	0.14	0.07	0.07	0.04	0.03	0.02	0.01	0.03	0.04	0.04	0.08	0.08
CRMS 0224	0.14	0.08	0.08	0.04	0.03	0.02	0.03	0.05	0.07	0.07	0.09	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.05	0.05	0.06

V3PR4 HYST - cy 5 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.06	0.07	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.05	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.05	0.07	0.06	0.07	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.07	0.09	0.07	0.06	0.02	0.03	0.02	0.02	0.03	0.10	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.08	0.09	0.06	0.04	0.02	0.04	0.03	0.03	0.04	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.05	0.05	0.03	0.05	0.06	0.06	0.06	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.05	0.05	0.04	0.06	0.06	0.07	0.07	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.07	0.07	0.04	0.03	0.03	0.04	0.06	0.07	0.07	0.08	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.03	0.03	0.06	0.06	0.05	0.05	0.08	0.09
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.06	0.06	0.05	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.11	0.09	0.09	0.06	0.04	0.04	0.06	0.04	0.04	0.05	0.08	0.10
CRMS 0258	0.12	0.06	0.06	0.05	0.03	0.01	0.01	0.02	0.05	0.06	0.07	0.08
CRMS 0224	0.12	0.07	0.07	0.05	0.04	0.02	0.03	0.05	0.06	0.07	0.07	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.05	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.06	0.05	0.04	0.04	0.04	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.10	-0.07	-0.03	0.04	0.06	0.07	0.07	0.09	0.09	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.02	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.04	0.00	0.04	0.05	0.02	0.02	0.01	-0.02	0.01	0.02	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.06	-0.01	0.01	0.02	0.00	-0.01	-0.01	-0.01	0.01	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.04	-0.03	0.00	0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	-0.02	-0.01	0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	-0.03	-0.01	0.00	-0.02	-0.01	0.00	-0.01	0.00	0.00	-0.01
HWQ14 - Lake Washington	-0.02	-0.06	-0.03	0.00	0.01	0.00	0.00	0.00	-0.01	0.01	-0.01	-0.02
HWQ16 - Bayou Grand Liard	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.05	-0.01	0.00	0.01	0.00	0.00	-0.02	-0.02	-0.01	-0.01	-0.01
CRMS 0258	-0.02	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.01	0.02	-0.01	0.01
CRMS 0224	-0.02	-0.02	-0.02	0.00	0.01	0.00	0.00	-0.01	-0.01	0.00	-0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	-0.01	0.00	0.00	-0.03	-0.01	0.00	-0.01	0.00	0.00

Figure WQ PO4 213 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.12	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.10	0.09	0.10	0.07	0.07	0.09	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.14	0.11	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.14	0.09	0.02	0.03	0.05	0.04	0.05	0.03	0.09	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.12	0.08	0.03	0.04	0.06	0.06	0.07	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.13	0.12	0.11	0.09	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.08	0.04	0.04	0.05	0.07	0.07	0.05	0.09	0.12
HWQ14 - Lake Washington	0.17	0.17	0.13	0.08	0.03	0.04	0.06	0.07	0.05	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.09	0.08	0.08	0.08	0.07	0.08	0.06	0.07	0.08
CRMS 3985	0.16	0.16	0.15	0.11	0.04	0.05	0.07	0.06	0.06	0.05	0.09	0.12
CRMS 0258	0.15	0.11	0.11	0.07	0.04	0.03	0.01	0.01	0.05	0.02	0.09	0.11
CRMS 0224	0.15	0.12	0.11	0.07	0.04	0.04	0.03	0.04	0.06	0.04	0.09	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.10	0.10	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

V3PR4 HYST - cy 5 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.09	0.07	0.07	0.08	0.06	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.10	0.11	0.11	0.10	0.11	0.09	0.04	0.01	0.02	0.12	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.13	0.09	0.08	0.06	0.05	0.04	0.04	0.03	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.12	0.10	0.08	0.08	0.08	0.06	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.09	0.08	0.08	0.08	0.08	0.07	0.06	0.07	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.10	0.12	0.07	0.06	0.05	0.06	0.07	0.06	0.05	0.08	0.11
HWQ14 - Lake Washington	0.13	0.11	0.12	0.08	0.06	0.06	0.07	0.07	0.05	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.08
CRMS 3985	0.13	0.12	0.13	0.09	0.06	0.05	0.05	0.06	0.06	0.05	0.09	0.11
CRMS 0258	0.11	0.11	0.12	0.08	0.05	0.06	0.06	0.03	0.04	0.02	0.09	0.11
CRMS 0224	0.11	0.11	0.12	0.09	0.07	0.08	0.08	0.05	0.05	0.03	0.09	0.12
CRMS 0163	0.09	0.10	0.11	0.10	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.09	0.10	0.09	0.09	0.11	0.10	0.09	0.06	0.06	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.06	-0.02	0.05	0.08	0.10	0.08	0.08	0.06	0.07	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.04	0.00	0.06	0.09	0.10	0.09	0.04	-0.01	0.01	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.06	-0.01	0.01	0.05	0.03	0.00	0.00	0.00	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.03	0.00	0.01	0.05	0.04	0.02	0.00	-0.02	-0.01	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.00	0.02	0.02	0.01	0.00	-0.01	-0.01	-0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.00	0.00	0.02	0.02	0.01	-0.01	-0.01	0.00	-0.01	-0.01
HWQ14 - Lake Washington	-0.04	-0.05	-0.01	0.00	0.03	0.02	0.01	0.00	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	-0.01	-0.01	-0.02	-0.01
CRMS 3985	-0.03	-0.04	-0.02	-0.02	0.02	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.04	0.00	0.01	0.01	0.02	0.02	0.05	0.02	-0.01	0.01	0.00	0.00
CRMS 0224	-0.04	-0.01	0.01	0.02	0.03	0.04	0.05	0.01	-0.01	0.00	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00

Figure WQ PO4 214 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.08	0.08	0.12	0.08	0.07	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.11	0.05	0.02	0.02	0.05	0.05	0.05	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.11	0.06	0.03	0.04	0.06	0.06	0.07	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.10	0.07	0.05	0.07	0.08	0.09	0.09	0.07	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.10	0.06	0.04	0.04	0.05	0.07	0.08	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.07	0.07	0.10	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.13	0.14	0.11	0.07	0.03	0.04	0.07	0.07	0.07	0.05	0.09	0.11
CRMS 0258	0.12	0.10	0.08	0.06	0.05	0.04	0.01	0.01	0.05	0.02	0.09	0.08
CRMS 0224	0.12	0.11	0.10	0.06	0.05	0.04	0.03	0.04	0.06	0.03	0.09	0.09
CRMS 0163	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.08	0.07	0.07	0.05

V3PR4 HYST - cy 5 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.11	0.09	0.07	0.08	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.11	0.06	0.08	0.08	0.16	0.12	0.02	0.01	0.02	0.11	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.12	0.08	0.07	0.07	0.08	0.05	0.04	0.04	0.03	0.08	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.07	0.11	0.09	0.06	0.05	0.04	0.08	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.07	0.08	0.07	0.11	0.10	0.08	0.07	0.06	0.07	0.07
USGS073802516 Barataria Pass at Grand Isle	0.08	0.10	0.07	0.07	0.06	0.06	0.07	0.06	0.06	0.05	0.08	0.07
HWQ14 - Lake Washington	0.10	0.12	0.09	0.06	0.06	0.06	0.07	0.07	0.05	0.04	0.08	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.09	0.09	0.06	0.07	0.06	0.05	0.07
CRMS 3985	0.10	0.11	0.09	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.08	0.09
CRMS 0258	0.09	0.09	0.06	0.08	0.06	0.09	0.06	0.01	0.04	0.02	0.08	0.07
CRMS 0224	0.09	0.10	0.06	0.08	0.07	0.11	0.09	0.04	0.05	0.04	0.07	0.06
CRMS 0163	0.06	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.13	0.10	0.05	0.05	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.07	0.00	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.01	0.00	-0.01	-0.01	-0.02	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.03	-0.04	0.04	0.07	0.15	0.11	0.02	-0.01	0.01	0.03	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.03	-0.04	0.02	0.06	0.06	0.00	-0.01	0.00	0.00	0.00	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.05	0.02	0.04	0.07	0.03	-0.01	-0.02	0.00	0.00	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.03	0.01	0.02	0.04	0.02	0.00	-0.01	0.00	-0.01	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.03	0.01	0.02	0.02	0.01	-0.01	-0.01	0.00	-0.01	-0.03
HWQ14 - Lake Washington	-0.04	-0.03	-0.03	0.01	0.03	0.03	0.01	0.00	0.00	0.00	-0.01	-0.04
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
CRMS 3985	-0.03	-0.03	-0.02	0.00	0.03	0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.02
CRMS 0258	-0.03	-0.01	-0.02	0.01	0.02	0.05	0.06	0.00	-0.01	0.01	-0.02	-0.01
CRMS 0224	-0.03	-0.01	-0.04	0.02	0.03	0.07	0.06	0.00	-0.01	0.00	-0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.02	0.00	0.00

Figure WQ PO4 215 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.12
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.13	0.12	0.09	0.07	0.09	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.10	0.06	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.06	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.12	0.09	0.06	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.10	0.07	0.06	0.03	0.03	0.05	0.06	0.06	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.07	0.07	0.06	0.06	0.08	0.08	0.08	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.10	0.08	0.05	0.04	0.04	0.05	0.07	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.05	0.02	0.03	0.05	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.07	0.08	0.07	0.07	0.08
CRMS 3985	0.12	0.11	0.10	0.07	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.11
CRMS 0258	0.12	0.07	0.06	0.07	0.06	0.03	0.01	0.02	0.04	0.03	0.08	0.11
CRMS 0224	0.13	0.08	0.06	0.06	0.05	0.03	0.03	0.04	0.06	0.03	0.08	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.05	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.07	0.06

V3PR5 HYST - cy 5 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.08	0.12	0.10	0.09	0.08	0.09	0.07	0.08	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.07	0.08	0.09	0.15	0.14	0.13	0.04	0.01	0.04	0.11	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.08	0.09	0.11	0.09	0.09	0.04	0.05	0.04	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.07	0.08	0.09	0.11	0.09	0.10	0.06	0.05	0.05	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.08	0.10	0.09	0.10	0.09	0.08	0.07	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.08	0.07	0.07	0.06	0.07	0.07	0.07	0.06	0.08	0.12
HWQ14 - Lake Washington	0.12	0.09	0.08	0.07	0.07	0.06	0.08	0.07	0.05	0.05	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.08	0.08	0.08	0.06	0.06	0.09
CRMS 3985	0.11	0.09	0.08	0.08	0.08	0.06	0.06	0.06	0.06	0.05	0.09	0.12
CRMS 0258	0.10	0.06	0.07	0.08	0.08	0.06	0.07	0.02	0.04	0.03	0.10	0.10
CRMS 0224	0.10	0.07	0.07	0.08	0.10	0.08	0.10	0.05	0.05	0.05	0.09	0.11
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.08
CRMS 0162	0.06	0.06	0.07	0.09	0.13	0.13	0.13	0.10	0.08	0.07	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	0.00	0.04	0.13	0.12	0.12	0.09	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.02	-0.01	0.00	0.01	0.00	0.00	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.03	0.01	0.05	0.13	0.13	0.12	0.02	-0.01	0.03	0.05	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.04	-0.01	0.03	0.10	0.07	0.05	0.00	0.00	0.01	0.01	0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	0.00	0.03	0.08	0.05	0.05	0.00	-0.01	0.01	0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.00	0.02	0.04	0.03	0.03	0.01	0.00	0.01	0.00	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	0.00	0.02	0.03	0.02	0.03	0.00	-0.01	0.01	0.00	0.01
HWQ14 - Lake Washington	-0.03	-0.03	0.00	0.02	0.05	0.03	0.03	0.00	-0.01	0.01	0.01	0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.01
CRMS 3985	-0.01	-0.02	-0.01	0.01	0.05	0.02	0.01	-0.01	0.00	0.00	0.00	0.01
CRMS 0258	-0.02	-0.01	0.01	0.02	0.02	0.03	0.06	0.00	0.00	0.00	0.01	-0.02
CRMS 0224	-0.03	-0.01	0.01	0.02	0.04	0.05	0.07	0.01	-0.01	0.01	0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.01

Figure WQ PO4 216 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.11	0.12	0.10	0.06	0.07	0.09	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.09	0.06	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.12	0.09	0.02	0.03	0.05	0.05	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.10	0.08	0.04	0.04	0.06	0.07	0.07	0.06	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.10	0.09	0.07	0.06	0.08	0.08	0.08	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.10	0.08	0.05	0.04	0.05	0.07	0.08	0.06	0.08	0.11
HWQ14 - Lake Washington	0.15	0.15	0.12	0.08	0.03	0.04	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.07	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.13	0.14	0.13	0.10	0.04	0.05	0.06	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.12	0.09	0.09	0.09	0.05	0.03	0.01	0.02	0.04	0.03	0.08	0.08
CRMS 0224	0.13	0.10	0.09	0.08	0.05	0.03	0.03	0.05	0.06	0.05	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.11	0.09	0.08	0.06	0.04	0.06	0.05

V3PR5 HYST - cy 5 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.08	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.10	0.11	0.09	0.05	0.07	0.08	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.07	0.07	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.10	0.11	0.13	0.05	0.02	0.01	0.01	0.03	0.10	0.08
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.09	0.10	0.10	0.11	0.04	0.04	0.04	0.03	0.03	0.08	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.08	0.10	0.10	0.11	0.05	0.05	0.06	0.06	0.05	0.08	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.10	0.09	0.10	0.07	0.07	0.07	0.07	0.06	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.09	0.10	0.08	0.07	0.05	0.04	0.06	0.07	0.06	0.08	0.09
HWQ14 - Lake Washington	0.10	0.10	0.11	0.08	0.07	0.05	0.06	0.07	0.05	0.05	0.08	0.09
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.06	0.04	0.06	0.05	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.09	0.08	0.05	0.06	0.05	0.04	0.04	0.07	0.09
CRMS 0258	0.09	0.08	0.10	0.09	0.08	0.02	0.01	0.02	0.03	0.06	0.07	0.07
CRMS 0224	0.09	0.08	0.10	0.10	0.10	0.04	0.03	0.04	0.05	0.06	0.07	0.08
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.11	0.09	0.08	0.06	0.06	0.06	0.05
CRMS 0162	0.07	0.07	0.09	0.10	0.12	0.11	0.09	0.07	0.04	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	-0.01	0.04	0.12	0.11	0.08	0.09	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.04	0.01	0.05	0.12	0.04	0.01	0.00	-0.01	0.02	0.02	-0.03
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.06	-0.02	0.02	0.09	0.02	-0.01	-0.01	-0.02	0.00	-0.01	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.03	0.00	0.02	0.07	0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.01	0.03	0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.00	0.03	0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.02
HWQ14 - Lake Washington	-0.05	-0.05	-0.01	0.00	0.04	0.01	0.00	0.00	-0.01	0.00	-0.01	-0.03
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.04	-0.02	-0.01	0.04	0.01	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01
CRMS 0258	-0.03	-0.01	0.01	0.01	0.03	0.00	0.00	0.00	0.00	0.03	-0.01	-0.01
CRMS 0224	-0.04	-0.02	0.01	0.01	0.04	0.00	0.00	-0.01	-0.01	0.01	0.00	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00

Figure WQ PO4 217 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.13	0.09	0.03	0.01	0.00	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.10	0.05	0.02	0.02	0.04	0.04	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.11	0.10	0.05	0.02	0.03	0.05	0.07	0.07	0.07	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.09	0.06	0.04	0.05	0.07	0.05	0.08	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.10	0.05	0.03	0.04	0.05	0.06	0.08	0.06	0.09	0.10
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.06	0.06	0.06	0.05	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.13	0.14	0.10	0.06	0.03	0.04	0.06	0.06	0.06	0.05	0.09	0.10
CRMS 0258	0.14	0.07	0.07	0.04	0.03	0.02	0.01	0.03	0.04	0.04	0.08	0.08
CRMS 0224	0.14	0.08	0.08	0.04	0.03	0.02	0.03	0.05	0.07	0.07	0.09	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.05	0.05	0.06

V3PR5 HYST - cy 5 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.10	0.10	0.06	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.06	0.05	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.05	0.07	0.05	0.07	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.07	0.08	0.07	0.06	0.02	0.02	0.01	0.02	0.03	0.09	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.07	0.09	0.06	0.04	0.02	0.04	0.03	0.03	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.07	0.07	0.05	0.04	0.03	0.05	0.06	0.06	0.06	0.08	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.07	0.07	0.05	0.05	0.04	0.06	0.06	0.07	0.07	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.08	0.07	0.04	0.03	0.03	0.04	0.06	0.07	0.07	0.08	0.09
HWQ14 - Lake Washington	0.13	0.09	0.08	0.04	0.04	0.03	0.06	0.06	0.05	0.05	0.08	0.09
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.06	0.06	0.04	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.11	0.08	0.09	0.06	0.04	0.04	0.06	0.04	0.04	0.04	0.08	0.10
CRMS 0258	0.12	0.07	0.06	0.04	0.02	0.01	0.01	0.03	0.06	0.06	0.07	0.08
CRMS 0224	0.12	0.07	0.07	0.05	0.04	0.02	0.03	0.05	0.06	0.07	0.07	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.05	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.06	0.05	0.05	0.04	0.04	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.10	-0.07	-0.03	0.04	0.06	0.07	0.07	0.09	0.09	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.02	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.02	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.04	0.00	0.03	0.05	0.01	0.01	0.00	-0.02	0.01	0.01	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.03	-0.07	-0.01	0.01	0.03	0.00	-0.01	-0.01	-0.02	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.04	-0.03	0.00	0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	-0.02	-0.01	0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.03	-0.03	-0.01	0.00	-0.02	-0.01	0.00	-0.01	0.00	0.00	-0.01
HWQ14 - Lake Washington	-0.02	-0.06	-0.03	0.00	0.01	0.00	0.00	0.00	-0.01	0.01	-0.01	-0.02
HWQ16 - Bayou Grand Liard	-0.01	0.00	-0.01	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.06	-0.01	0.00	0.01	0.00	-0.01	-0.02	-0.03	-0.01	-0.01	-0.01
CRMS 0258	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.02	-0.01	0.01
CRMS 0224	-0.02	-0.01	-0.02	0.00	0.01	0.00	0.01	0.00	-0.01	0.00	-0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.01	0.01	-0.01	0.00	0.00

Figure WQ PO4 218 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.12	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.10	0.09	0.10	0.07	0.07	0.09	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.14	0.11	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.14	0.09	0.02	0.03	0.05	0.04	0.05	0.03	0.09	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.12	0.08	0.03	0.04	0.06	0.06	0.07	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.13	0.12	0.11	0.09	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.08	0.04	0.04	0.05	0.07	0.07	0.05	0.09	0.12
HWQ14 - Lake Washington	0.17	0.17	0.13	0.08	0.03	0.04	0.06	0.07	0.05	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.09	0.08	0.08	0.08	0.07	0.08	0.06	0.07	0.08
CRMS 3985	0.16	0.16	0.15	0.11	0.04	0.05	0.07	0.06	0.06	0.05	0.09	0.12
CRMS 0258	0.15	0.11	0.11	0.07	0.04	0.03	0.01	0.01	0.05	0.02	0.09	0.11
CRMS 0224	0.15	0.12	0.11	0.07	0.04	0.04	0.03	0.04	0.06	0.04	0.09	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.10	0.10	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

V3PR5 HYST - cy 5 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.06
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.09	0.07	0.07	0.08	0.06	0.07	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.09	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.11	0.11	0.10	0.11	0.10	0.04	0.01	0.01	0.11	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.11	0.12	0.10	0.08	0.07	0.07	0.04	0.04	0.03	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.10	0.12	0.09	0.07	0.07	0.08	0.06	0.05	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.09	0.07	0.08	0.08	0.08	0.07	0.06	0.07	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.12	0.07	0.06	0.05	0.06	0.06	0.06	0.05	0.08	0.11
HWQ14 - Lake Washington	0.13	0.11	0.13	0.08	0.06	0.06	0.07	0.07	0.05	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.08	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.08
CRMS 3985	0.12	0.12	0.13	0.09	0.07	0.06	0.06	0.05	0.06	0.05	0.09	0.11
CRMS 0258	0.12	0.11	0.12	0.08	0.05	0.05	0.05	0.03	0.04	0.03	0.08	0.11
CRMS 0224	0.12	0.11	0.12	0.08	0.06	0.07	0.07	0.05	0.05	0.04	0.08	0.12
CRMS 0163	0.09	0.10	0.11	0.10	0.10	0.11	0.09	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.09	0.10	0.09	0.09	0.11	0.10	0.09	0.06	0.06	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.06	-0.02	0.05	0.08	0.10	0.08	0.08	0.07	0.07	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.04	0.00	0.06	0.09	0.10	0.09	0.04	-0.01	0.01	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.06	-0.02	0.01	0.06	0.04	0.02	0.00	-0.01	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.03	0.00	0.01	0.04	0.04	0.02	0.00	-0.02	-0.01	-0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	0.01	0.00	0.02	0.02	0.01	0.00	-0.01	-0.01	-0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.03	0.00	0.00	0.02	0.01	0.01	-0.01	-0.01	0.00	-0.01	-0.01
HWQ14 - Lake Washington	-0.04	-0.05	-0.01	0.00	0.03	0.02	0.01	0.00	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	-0.01	-0.01	-0.02	-0.01
CRMS 3985	-0.03	-0.05	-0.02	-0.02	0.02	0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.03	0.00	0.01	0.01	0.01	0.02	0.04	0.02	-0.01	0.01	-0.01	0.00
CRMS 0224	-0.04	-0.01	0.01	0.01	0.03	0.03	0.04	0.01	-0.01	0.00	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	-0.02	0.00	0.00

Figure WQ PO4 219 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.08	0.08	0.12	0.08	0.07	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.11	0.05	0.02	0.02	0.05	0.05	0.05	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.11	0.06	0.03	0.04	0.06	0.06	0.07	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.10	0.07	0.05	0.07	0.08	0.09	0.09	0.07	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.10	0.06	0.04	0.04	0.05	0.07	0.08	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.07	0.07	0.10	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.13	0.14	0.11	0.07	0.03	0.04	0.07	0.07	0.07	0.05	0.09	0.11
CRMS 0258	0.12	0.10	0.08	0.06	0.05	0.04	0.01	0.01	0.05	0.02	0.09	0.08
CRMS 0224	0.12	0.11	0.10	0.06	0.05	0.04	0.03	0.04	0.06	0.03	0.09	0.09
CRMS 0163	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.08	0.07	0.07	0.05

V3PR5 HYST - cy 5 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.11	0.09	0.07	0.08	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.11	0.06	0.08	0.08	0.16	0.12	0.02	0.01	0.02	0.10	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.07	0.08	0.08	0.10	0.07	0.04	0.04	0.03	0.08	0.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.10	0.06	0.08	0.07	0.10	0.08	0.06	0.05	0.04	0.08	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.07	0.07	0.07	0.10	0.09	0.08	0.07	0.06	0.07	0.07
USGS073802516 Barataria Pass at Grand Isle	0.08	0.10	0.07	0.06	0.06	0.06	0.07	0.06	0.06	0.05	0.08	0.07
HWQ14 - Lake Washington	0.10	0.12	0.08	0.06	0.06	0.07	0.07	0.07	0.05	0.04	0.08	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.09	0.08	0.06	0.07	0.05	0.05	0.07
CRMS 3985	0.10	0.11	0.08	0.07	0.06	0.06	0.06	0.06	0.06	0.05	0.08	0.08
CRMS 0258	0.09	0.09	0.07	0.07	0.06	0.08	0.06	0.01	0.04	0.03	0.07	0.07
CRMS 0224	0.09	0.10	0.07	0.08	0.07	0.10	0.08	0.04	0.05	0.04	0.07	0.07
CRMS 0163	0.06	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.13	0.10	0.05	0.05	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.08	0.00	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	-0.01	-0.01	-0.02	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.03	-0.05	0.04	0.07	0.15	0.11	0.01	-0.01	0.01	0.02	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.04	-0.04	0.02	0.06	0.08	0.02	-0.01	-0.01	-0.01	0.00	-0.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.05	0.02	0.04	0.06	0.03	-0.01	-0.02	0.00	0.00	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.03	0.01	0.02	0.03	0.02	0.00	-0.01	-0.01	-0.01	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.03	0.01	0.02	0.02	0.01	-0.01	-0.01	0.00	-0.01	-0.03
HWQ14 - Lake Washington	-0.04	-0.03	-0.04	0.01	0.04	0.03	0.01	0.00	0.00	0.00	-0.01	-0.04
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00
CRMS 3985	-0.03	-0.03	-0.03	0.00	0.03	0.02	-0.01	-0.01	0.00	0.00	-0.01	-0.02
CRMS 0258	-0.03	-0.01	-0.01	0.01	0.01	0.05	0.05	0.00	-0.01	0.01	-0.02	-0.01
CRMS 0224	-0.03	-0.01	-0.03	0.02	0.02	0.06	0.05	0.00	-0.01	0.01	-0.02	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.02	0.00	0.00

Figure WQ PO4 220 - Monthly Average PO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.12
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.13	0.12	0.09	0.07	0.09	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.10	0.06	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.06	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.12	0.09	0.06	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.10	0.07	0.06	0.03	0.03	0.05	0.06	0.06	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.07	0.07	0.06	0.06	0.08	0.08	0.08	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.10	0.08	0.05	0.04	0.04	0.05	0.07	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.05	0.02	0.03	0.05	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.07	0.08	0.07	0.07	0.08
CRMS 3985	0.12	0.11	0.10	0.07	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.11
CRMS 0258	0.12	0.07	0.06	0.07	0.06	0.03	0.01	0.02	0.04	0.03	0.08	0.11
CRMS 0224	0.13	0.08	0.06	0.06	0.05	0.03	0.03	0.04	0.06	0.03	0.08	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.05	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.07	0.06

V3PR6 HYST - cy 5 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.08	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.12	0.11	0.11	0.09	0.09	0.08	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.12	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.07	0.07	0.09	0.14	0.13	0.13	0.07	0.02	0.04	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.08	0.09	0.14	0.12	0.11	0.04	0.04	0.04	0.10	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.06	0.07	0.09	0.14	0.13	0.13	0.07	0.04	0.05	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.09	0.06	0.07	0.09	0.13	0.12	0.12	0.08	0.07	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.10	0.07	0.08	0.08	0.10	0.09	0.10	0.07	0.06	0.06	0.09	0.12
HWQ14 - Lake Washington	0.11	0.09	0.08	0.08	0.09	0.08	0.09	0.07	0.05	0.05	0.09	0.13
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.08	0.10	0.10	0.09	0.08	0.08	0.07	0.07	0.09
CRMS 3985	0.11	0.09	0.08	0.09	0.11	0.08	0.08	0.06	0.06	0.05	0.10	0.13
CRMS 0258	0.09	0.06	0.07	0.09	0.13	0.11	0.12	0.04	0.04	0.04	0.10	0.11
CRMS 0224	0.09	0.06	0.08	0.09	0.14	0.12	0.13	0.06	0.04	0.05	0.10	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.12	0.09	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.13	0.13	0.13	0.10	0.08	0.08	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	0.00	0.04	0.13	0.12	0.12	0.09	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.03	0.01	0.04	0.13	0.12	0.12	0.05	0.00	0.03	0.06	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.01	0.03	0.12	0.10	0.08	0.00	0.00	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.03	0.00	0.03	0.11	0.09	0.08	0.01	-0.02	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.02	0.07	0.06	0.05	0.00	-0.01	0.00	0.01	0.01
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.03	0.06	0.05	0.05	0.00	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.03	-0.04	-0.01	0.03	0.07	0.05	0.04	0.01	-0.01	0.01	0.01	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.03	-0.01	0.02	0.08	0.05	0.02	-0.01	0.00	0.01	0.01	0.01
CRMS 0258	-0.03	-0.01	0.01	0.03	0.07	0.08	0.11	0.02	-0.01	0.01	0.01	-0.01
CRMS 0224	-0.04	-0.02	0.01	0.03	0.08	0.09	0.10	0.02	-0.02	0.02	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 221 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.11	0.12	0.10	0.06	0.07	0.09	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.09	0.06	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.12	0.09	0.02	0.03	0.05	0.05	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.10	0.08	0.04	0.04	0.06	0.07	0.07	0.06	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.10	0.09	0.07	0.06	0.08	0.08	0.08	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.10	0.08	0.05	0.04	0.05	0.07	0.08	0.06	0.08	0.11
HWQ14 - Lake Washington	0.15	0.15	0.12	0.08	0.03	0.04	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.07	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.13	0.14	0.13	0.10	0.04	0.05	0.06	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.12	0.09	0.09	0.09	0.05	0.03	0.01	0.02	0.04	0.03	0.08	0.08
CRMS 0224	0.13	0.10	0.09	0.08	0.05	0.03	0.03	0.05	0.06	0.05	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.11	0.09	0.08	0.06	0.04	0.06	0.05

V3PR6 HYST - cy 5 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.09	0.11	0.11	0.09	0.06	0.07	0.08	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.09	0.10	0.13	0.06	0.01	0.01	0.01	0.01	0.12	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.05	0.04	0.04	0.04	0.03	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.03	0.04	0.03	0.08	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.12	0.07	0.05	0.06	0.06	0.06	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.08	0.10	0.10	0.10	0.06	0.04	0.06	0.07	0.05	0.08	0.09
HWQ14 - Lake Washington	0.10	0.09	0.10	0.10	0.09	0.06	0.05	0.06	0.06	0.04	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.10	0.10	0.09	0.06	0.04	0.06	0.05	0.05	0.07
CRMS 3985	0.10	0.09	0.11	0.10	0.10	0.06	0.05	0.06	0.06	0.05	0.08	0.09
CRMS 0258	0.08	0.08	0.10	0.11	0.12	0.03	0.01	0.01	0.03	0.04	0.08	0.07
CRMS 0224	0.08	0.08	0.10	0.11	0.13	0.04	0.02	0.03	0.04	0.05	0.08	0.08
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.11	0.09	0.08	0.07	0.06	0.06	0.05
CRMS 0162	0.07	0.07	0.09	0.10	0.12	0.11	0.09	0.08	0.04	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	-0.01	0.04	0.12	0.11	0.08	0.08	0.07	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.05	0.00	0.04	0.12	0.05	0.01	0.01	-0.01	0.00	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.06	-0.02	0.02	0.11	0.02	-0.01	-0.01	-0.01	0.00	0.00	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.04	-0.01	0.02	0.09	0.02	-0.03	-0.04	-0.03	-0.02	0.00	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.02	0.00	0.02	0.06	0.01	-0.03	-0.02	-0.02	-0.01	0.00	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.03	0.00	0.02	0.05	0.02	-0.01	-0.01	-0.01	0.00	0.00	-0.02
HWQ14 - Lake Washington	-0.05	-0.06	-0.01	0.02	0.06	0.02	-0.01	-0.01	0.00	0.00	0.00	-0.02
HWQ16 - Bayou Grand Liard	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.05	-0.03	0.00	0.06	0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.04	-0.01	0.01	0.02	0.07	0.00	0.00	0.00	-0.01	0.01	0.00	-0.01
CRMS 0224	-0.05	-0.02	0.01	0.03	0.07	0.00	-0.01	-0.02	-0.02	0.00	0.00	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00

Figure WQ PO4 222 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.13	0.09	0.03	0.01	0.00	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.10	0.05	0.02	0.02	0.04	0.04	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.11	0.10	0.05	0.02	0.03	0.05	0.07	0.07	0.07	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.09	0.06	0.04	0.05	0.07	0.05	0.08	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.10	0.05	0.03	0.04	0.05	0.06	0.08	0.06	0.09	0.10
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.06	0.06	0.06	0.05	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.13	0.14	0.10	0.06	0.03	0.04	0.06	0.06	0.06	0.05	0.09	0.10
CRMS 0258	0.14	0.07	0.07	0.04	0.03	0.02	0.01	0.03	0.04	0.04	0.08	0.08
CRMS 0224	0.14	0.08	0.08	0.04	0.03	0.02	0.03	0.05	0.07	0.07	0.09	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.05	0.05	0.06

V3PR6 HYST - cy 5 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.10	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.08	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.06	0.05	0.06	0.06	0.07	0.08	0.06	0.07	0.09	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.13	0.07	0.09	0.08	0.06	0.03	0.03	0.02	0.01	0.01	0.09	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.07	0.09	0.06	0.05	0.02	0.04	0.05	0.03	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.06	0.07	0.05	0.06	0.02	0.03	0.04	0.05	0.03	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.06	0.06	0.05	0.06	0.03	0.04	0.06	0.07	0.05	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.07	0.07	0.05	0.05	0.03	0.04	0.06	0.07	0.05	0.08	0.09
HWQ14 - Lake Washington	0.14	0.08	0.08	0.05	0.04	0.04	0.06	0.07	0.06	0.04	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.06	0.06	0.04	0.04	0.07	0.07	0.06	0.07
CRMS 3985	0.12	0.08	0.10	0.06	0.05	0.04	0.06	0.06	0.06	0.05	0.08	0.10
CRMS 0258	0.13	0.07	0.06	0.05	0.03	0.01	0.01	0.03	0.05	0.01	0.07	0.08
CRMS 0224	0.12	0.06	0.07	0.05	0.05	0.01	0.02	0.04	0.06	0.02	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.06	0.07	0.08	0.06	0.07	0.08	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.06	0.07	0.04	0.05	0.06	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.10	-0.07	-0.03	0.04	0.06	0.07	0.07	0.09	0.08	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.04	0.01	0.05	0.06	0.03	0.02	0.01	-0.02	-0.01	0.01	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.07	-0.01	0.01	0.03	0.00	0.00	0.01	-0.01	-0.01	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.00	0.03	-0.02	-0.02	-0.02	-0.02	-0.04	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.02	-0.01	0.01	-0.02	-0.02	0.00	0.00	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.04	-0.03	0.00	0.01	-0.02	-0.01	0.00	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.01	-0.07	-0.02	0.00	0.02	0.00	0.00	0.01	0.00	-0.01	-0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	-0.01	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.01	0.02	0.00	0.00
CRMS 3985	-0.01	-0.06	0.00	0.00	0.02	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00
CRMS 0258	-0.02	-0.01	-0.01	0.01	0.01	-0.01	0.00	0.01	0.01	-0.02	-0.01	0.01
CRMS 0224	-0.01	-0.02	-0.01	0.00	0.02	-0.01	-0.01	-0.01	-0.01	-0.04	-0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.02	0.01	0.00	0.00

Figure WQ PO4 223 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.12	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.10	0.09	0.10	0.07	0.07	0.09	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.14	0.11	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.14	0.09	0.02	0.03	0.05	0.04	0.05	0.03	0.09	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.12	0.08	0.03	0.04	0.06	0.06	0.07	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.13	0.12	0.11	0.09	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.08	0.04	0.04	0.05	0.07	0.07	0.05	0.09	0.12
HWQ14 - Lake Washington	0.17	0.17	0.13	0.08	0.03	0.04	0.06	0.07	0.05	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.09	0.08	0.08	0.08	0.07	0.08	0.06	0.07	0.08
CRMS 3985	0.16	0.16	0.15	0.11	0.04	0.05	0.07	0.06	0.06	0.05	0.09	0.12
CRMS 0258	0.15	0.11	0.11	0.07	0.04	0.03	0.01	0.01	0.05	0.02	0.09	0.11
CRMS 0224	0.15	0.12	0.11	0.07	0.04	0.04	0.03	0.04	0.06	0.04	0.09	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.10	0.10	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

V3PR6 HYST - cy 5 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.09	0.09	0.08	0.08	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.09	0.06	0.01	0.01	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.12	0.10	0.09	0.10	0.08	0.05	0.03	0.03	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.07	0.04	0.03	0.10	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.10	0.08	0.10	0.09	0.08	0.07	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.09	0.07	0.08	0.08	0.07	0.06	0.05	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.09	0.07	0.07	0.07	0.07	0.05	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.09	0.09	0.11	0.09	0.08	0.09	0.08	0.07	0.07	0.06	0.07	0.09
CRMS 3985	0.12	0.11	0.13	0.10	0.08	0.07	0.06	0.05	0.06	0.05	0.08	0.11
CRMS 0258	0.11	0.10	0.12	0.10	0.08	0.08	0.09	0.04	0.04	0.02	0.11	0.11
CRMS 0224	0.11	0.10	0.12	0.11	0.08	0.10	0.10	0.07	0.04	0.03	0.11	0.13
CRMS 0163	0.09	0.10	0.11	0.10	0.10	0.11	0.09	0.08	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.09	0.10	0.09	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.06	-0.02	0.05	0.08	0.10	0.08	0.08	0.07	0.07	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.05	-0.01	0.05	0.08	0.10	0.09	0.06	-0.01	0.00	0.06	0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.06	-0.06	-0.02	0.02	0.07	0.07	0.03	0.00	-0.01	0.00	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.04	-0.01	0.03	0.06	0.07	0.04	0.00	-0.03	-0.02	0.01	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.02	0.03	0.04	0.02	0.00	-0.02	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.02	0.03	0.04	0.02	0.00	-0.01	-0.01	0.00	-0.01
HWQ14 - Lake Washington	-0.05	-0.06	-0.01	0.01	0.04	0.04	0.01	0.00	0.00	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.05	-0.02	-0.01	0.03	0.02	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
CRMS 0258	-0.04	-0.01	0.01	0.03	0.04	0.05	0.08	0.03	-0.01	0.00	0.02	0.01
CRMS 0224	-0.05	-0.01	0.01	0.03	0.05	0.06	0.06	0.03	-0.02	-0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00

Figure WQ PO4 224 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.08	0.08	0.12	0.08	0.07	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.11	0.05	0.02	0.02	0.05	0.05	0.05	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.11	0.06	0.03	0.04	0.06	0.06	0.07	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.10	0.07	0.05	0.07	0.08	0.09	0.09	0.07	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.10	0.06	0.04	0.04	0.05	0.07	0.08	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.07	0.07	0.10	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.13	0.14	0.11	0.07	0.03	0.04	0.07	0.07	0.07	0.05	0.09	0.11
CRMS 0258	0.12	0.10	0.08	0.06	0.05	0.04	0.01	0.01	0.05	0.02	0.09	0.08
CRMS 0224	0.12	0.11	0.10	0.06	0.05	0.04	0.03	0.04	0.06	0.03	0.09	0.09
CRMS 0163	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.08	0.07	0.07	0.05

V3PR6 HYST - cy 5 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.12	0.11	0.08	0.09	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.06	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.13	0.06	0.08	0.08	0.15	0.12	0.03	0.01	0.01	0.12	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.14	0.10	0.04	0.04	0.03	0.08	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.15	0.12	0.05	0.04	0.03	0.08	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.06	0.08	0.08	0.13	0.11	0.07	0.07	0.05	0.07	0.06
USGS073802516 Barataria Pass at Grand Isle	0.08	0.10	0.07	0.08	0.07	0.10	0.09	0.06	0.06	0.05	0.08	0.06
HWQ14 - Lake Washington	0.10	0.12	0.08	0.07	0.07	0.09	0.09	0.07	0.05	0.04	0.08	0.07
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.09	0.11	0.08	0.08	0.07	0.10	0.07	0.06	0.06	0.05	0.08	0.08
CRMS 0258	0.09	0.10	0.06	0.08	0.08	0.14	0.09	0.01	0.04	0.02	0.08	0.06
CRMS 0224	0.09	0.10	0.06	0.08	0.08	0.15	0.12	0.04	0.04	0.03	0.08	0.06
CRMS 0163	0.06	0.07	0.05	0.08	0.08	0.16	0.11	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.13	0.10	0.07	0.06	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.07	0.00	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.01	0.00	-0.01	-0.01	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.01	-0.05	0.03	0.06	0.14	0.12	0.02	-0.01	0.00	0.04	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.03	-0.05	0.03	0.06	0.12	0.05	-0.01	-0.01	0.00	0.00	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.05	0.02	0.05	0.11	0.06	-0.02	-0.03	-0.02	0.00	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	-0.04	0.01	0.02	0.07	0.03	-0.01	-0.02	-0.01	0.00	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.04	0.02	0.03	0.05	0.03	-0.01	-0.01	0.00	-0.01	-0.04
HWQ14 - Lake Washington	-0.05	-0.03	-0.04	0.02	0.04	0.06	0.03	0.00	0.00	0.00	0.00	-0.05
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.04	-0.03	-0.03	0.01	0.04	0.06	0.00	-0.01	0.00	0.00	-0.01	-0.03
CRMS 0258	-0.03	-0.01	-0.02	0.02	0.03	0.10	0.09	0.00	-0.01	0.01	-0.01	-0.01
CRMS 0224	-0.03	-0.01	-0.04	0.02	0.04	0.11	0.09	0.00	-0.02	-0.01	-0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00

Figure WQ PO4 225 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.12
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.13	0.12	0.09	0.07	0.09	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.10	0.06	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.06	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.12	0.09	0.06	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.10	0.07	0.06	0.03	0.03	0.05	0.06	0.06	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.07	0.07	0.06	0.06	0.08	0.08	0.08	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.10	0.08	0.05	0.04	0.04	0.05	0.07	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.05	0.02	0.03	0.05	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.07	0.08	0.07	0.07	0.08
CRMS 3985	0.12	0.11	0.10	0.07	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.11
CRMS 0258	0.12	0.07	0.06	0.07	0.06	0.03	0.01	0.02	0.04	0.03	0.08	0.11
CRMS 0224	0.13	0.08	0.06	0.06	0.05	0.03	0.03	0.04	0.06	0.03	0.08	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.05	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.07	0.06

V3PR7 HYST - cy 5 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.08	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.12	0.11	0.11	0.09	0.09	0.08	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.12	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.07	0.07	0.09	0.14	0.13	0.13	0.07	0.03	0.04	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.08	0.08	0.09	0.14	0.12	0.11	0.04	0.04	0.04	0.10	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.06	0.07	0.09	0.14	0.13	0.13	0.07	0.04	0.05	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.09	0.06	0.07	0.09	0.13	0.12	0.12	0.08	0.07	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.10	0.07	0.08	0.08	0.10	0.09	0.10	0.07	0.06	0.06	0.09	0.12
HWQ14 - Lake Washington	0.12	0.09	0.08	0.08	0.09	0.08	0.09	0.07	0.05	0.05	0.09	0.14
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.08	0.10	0.10	0.09	0.08	0.08	0.07	0.07	0.09
CRMS 3985	0.11	0.09	0.08	0.08	0.10	0.08	0.07	0.06	0.06	0.05	0.10	0.13
CRMS 0258	0.09	0.06	0.07	0.09	0.13	0.11	0.12	0.04	0.03	0.04	0.10	0.12
CRMS 0224	0.09	0.06	0.07	0.09	0.14	0.13	0.13	0.07	0.04	0.05	0.10	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.12	0.10	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.13	0.13	0.13	0.10	0.08	0.08	0.07	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	0.00	0.04	0.13	0.12	0.12	0.09	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.03	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.03	0.01	0.04	0.13	0.13	0.12	0.05	0.00	0.03	0.06	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.01	0.03	0.12	0.10	0.07	0.00	0.00	0.01	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.03	0.00	0.03	0.11	0.09	0.08	0.00	-0.02	0.01	0.02	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.02	0.07	0.06	0.05	0.00	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.03	0.06	0.05	0.05	0.00	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.03	-0.04	-0.01	0.03	0.06	0.05	0.04	0.01	-0.01	0.01	0.01	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.03	-0.01	0.01	0.07	0.04	0.02	-0.01	0.00	0.01	0.01	0.01
CRMS 0258	-0.03	-0.01	0.01	0.03	0.08	0.09	0.11	0.02	-0.01	0.01	0.01	0.01
CRMS 0224	-0.04	-0.02	0.01	0.03	0.08	0.10	0.10	0.02	-0.02	0.02	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 226 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.11	0.12	0.10	0.06	0.07	0.09	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.09	0.06	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.12	0.09	0.02	0.03	0.05	0.05	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.10	0.08	0.04	0.04	0.06	0.07	0.07	0.06	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.10	0.09	0.07	0.06	0.08	0.08	0.08	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.10	0.08	0.05	0.04	0.05	0.07	0.08	0.06	0.08	0.11
HWQ14 - Lake Washington	0.15	0.15	0.12	0.08	0.03	0.04	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.07	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.13	0.14	0.13	0.10	0.04	0.05	0.06	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.12	0.09	0.09	0.09	0.05	0.03	0.01	0.02	0.04	0.03	0.08	0.08
CRMS 0224	0.13	0.10	0.09	0.08	0.05	0.03	0.03	0.05	0.06	0.05	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.11	0.09	0.08	0.06	0.04	0.06	0.05

V3PR7 HYST - cy 5 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.09	0.11	0.11	0.09	0.06	0.07	0.08	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.09	0.10	0.13	0.06	0.02	0.01	0.01	0.01	0.12	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.05	0.03	0.04	0.03	0.03	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.03	0.03	0.04	0.03	0.08	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.12	0.07	0.05	0.06	0.06	0.06	0.07	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.08	0.10	0.10	0.10	0.06	0.04	0.06	0.07	0.05	0.08	0.09
HWQ14 - Lake Washington	0.10	0.09	0.11	0.10	0.09	0.06	0.05	0.06	0.06	0.04	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.10	0.10	0.09	0.06	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.10	0.10	0.11	0.10	0.10	0.05	0.05	0.06	0.06	0.05	0.08	0.10
CRMS 0258	0.08	0.08	0.10	0.11	0.12	0.03	0.01	0.01	0.03	0.04	0.08	0.07
CRMS 0224	0.08	0.08	0.10	0.11	0.13	0.04	0.02	0.02	0.04	0.04	0.08	0.07
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.11	0.09	0.08	0.07	0.06	0.06	0.05
CRMS 0162	0.07	0.07	0.09	0.10	0.12	0.11	0.09	0.08	0.04	0.04	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	-0.01	0.04	0.12	0.11	0.08	0.08	0.06	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.05	0.00	0.04	0.12	0.05	0.01	0.01	-0.01	0.00	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.06	-0.02	0.02	0.10	0.02	-0.01	-0.01	-0.01	0.00	0.00	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.04	-0.01	0.02	0.09	0.02	-0.03	-0.04	-0.03	-0.02	0.00	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.02	0.00	0.02	0.06	0.01	-0.03	-0.02	-0.02	-0.01	0.00	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.03	0.00	0.02	0.05	0.02	-0.01	-0.01	-0.01	0.00	0.00	-0.02
HWQ14 - Lake Washington	-0.05	-0.05	-0.01	0.02	0.06	0.02	-0.01	-0.01	0.00	0.00	0.00	-0.02
HWQ16 - Bayou Grand Liard	-0.01	0.00	0.00	0.00	0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.03	-0.04	-0.03	0.00	0.05	0.01	-0.01	0.00	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.04	-0.01	0.01	0.02	0.07	0.00	0.00	-0.01	-0.01	0.01	0.00	-0.01
CRMS 0224	-0.05	-0.02	0.01	0.03	0.07	0.01	-0.01	-0.03	-0.02	0.00	0.00	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00

Figure WQ PO4 227 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.13	0.09	0.03	0.01	0.00	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.10	0.05	0.02	0.02	0.04	0.04	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.11	0.10	0.05	0.02	0.03	0.05	0.07	0.07	0.07	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.09	0.06	0.04	0.05	0.07	0.05	0.08	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.10	0.05	0.03	0.04	0.05	0.06	0.08	0.06	0.09	0.10
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.06	0.06	0.06	0.05	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.13	0.14	0.10	0.06	0.03	0.04	0.06	0.06	0.06	0.05	0.09	0.10
CRMS 0258	0.14	0.07	0.07	0.04	0.03	0.02	0.01	0.03	0.04	0.04	0.08	0.08
CRMS 0224	0.14	0.08	0.08	0.04	0.03	0.02	0.03	0.05	0.07	0.07	0.09	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.05	0.05	0.06

V3PR7 HYST - cy 5 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.10	0.05	0.06	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.06	0.05	0.06	0.06	0.07	0.08	0.07	0.07	0.06	0.07	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.07	0.09	0.08	0.06	0.02	0.02	0.02	0.02	0.02	0.10	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.07	0.09	0.06	0.05	0.02	0.04	0.05	0.03	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.06	0.07	0.05	0.06	0.01	0.03	0.04	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.06	0.06	0.05	0.06	0.03	0.04	0.06	0.06	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.07	0.07	0.05	0.04	0.03	0.04	0.06	0.07	0.06	0.08	0.09
HWQ14 - Lake Washington	0.14	0.08	0.08	0.05	0.04	0.04	0.06	0.07	0.06	0.04	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.06	0.06	0.04	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.12	0.08	0.10	0.06	0.05	0.04	0.06	0.06	0.06	0.05	0.08	0.10
CRMS 0258	0.12	0.06	0.06	0.05	0.03	0.01	0.01	0.03	0.05	0.06	0.08	0.08
CRMS 0224	0.12	0.06	0.07	0.05	0.05	0.01	0.02	0.04	0.05	0.05	0.08	0.09
CRMS 0163	0.06	0.05	0.06	0.06	0.07	0.08	0.07	0.06	0.05	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.06	0.07	0.05	0.04	0.04	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.10	-0.07	-0.03	0.04	0.06	0.07	0.07	0.09	0.08	0.05	-0.02	-0.03
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.04	0.00	0.04	0.06	0.02	0.02	0.01	-0.01	0.00	0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.07	-0.01	0.01	0.03	0.00	0.00	0.01	-0.01	-0.01	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.00	0.03	-0.02	-0.03	-0.02	-0.03	-0.03	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.02	-0.01	0.01	-0.02	-0.03	0.00	-0.01	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.04	-0.03	0.00	0.01	-0.02	-0.01	0.00	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.07	-0.02	0.00	0.02	0.00	0.00	0.01	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.02	-0.06	0.00	0.00	0.02	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
CRMS 0258	-0.02	-0.01	-0.01	0.01	0.01	-0.01	0.00	0.00	0.01	0.02	-0.01	0.01
CRMS 0224	-0.02	-0.02	-0.01	0.00	0.02	-0.01	-0.01	-0.01	-0.02	-0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00

Figure WQ PO4 228 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.12	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.10	0.09	0.10	0.07	0.07	0.09	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.14	0.11	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.14	0.09	0.02	0.03	0.05	0.04	0.05	0.03	0.09	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.12	0.08	0.03	0.04	0.06	0.06	0.07	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.13	0.12	0.11	0.09	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.08	0.04	0.04	0.05	0.07	0.07	0.05	0.09	0.12
HWQ14 - Lake Washington	0.17	0.17	0.13	0.08	0.03	0.04	0.06	0.07	0.05	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.09	0.08	0.08	0.08	0.07	0.08	0.06	0.07	0.08
CRMS 3985	0.16	0.16	0.15	0.11	0.04	0.05	0.07	0.06	0.06	0.05	0.09	0.12
CRMS 0258	0.15	0.11	0.11	0.07	0.04	0.03	0.01	0.01	0.05	0.02	0.09	0.11
CRMS 0224	0.15	0.12	0.11	0.07	0.04	0.04	0.03	0.04	0.06	0.04	0.09	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.10	0.10	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

V3PR7 HYST - cy 5 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.08	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.10	0.08	0.09	0.09	0.08	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.09	0.11	0.10	0.06	0.01	0.01	0.13	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.12	0.10	0.09	0.09	0.08	0.04	0.03	0.03	0.09	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.07	0.04	0.03	0.09	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.10	0.08	0.10	0.09	0.08	0.07	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.09	0.07	0.07	0.08	0.07	0.06	0.05	0.08	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.09	0.07	0.07	0.07	0.07	0.05	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.09	0.09	0.11	0.09	0.08	0.09	0.08	0.07	0.07	0.06	0.06	0.08
CRMS 3985	0.12	0.11	0.13	0.09	0.08	0.07	0.06	0.05	0.06	0.05	0.08	0.11
CRMS 0258	0.11	0.10	0.12	0.10	0.08	0.09	0.09	0.04	0.04	0.02	0.11	0.11
CRMS 0224	0.11	0.10	0.11	0.11	0.09	0.10	0.10	0.07	0.04	0.03	0.10	0.12
CRMS 0163	0.09	0.10	0.11	0.10	0.10	0.11	0.09	0.08	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.09	0.10	0.09	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.06	-0.02	0.05	0.08	0.10	0.08	0.08	0.06	0.06	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.05	-0.01	0.05	0.08	0.10	0.09	0.06	-0.01	0.01	0.06	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.06	-0.06	-0.02	0.02	0.06	0.06	0.03	0.00	-0.01	-0.01	0.00	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.04	-0.01	0.03	0.06	0.07	0.04	0.00	-0.03	-0.02	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.02	0.03	0.04	0.02	0.00	-0.02	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.02	0.03	0.04	0.02	0.00	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.05	-0.06	-0.01	0.01	0.04	0.03	0.01	0.00	-0.01	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00
CRMS 3985	-0.03	-0.05	-0.02	-0.02	0.03	0.02	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
CRMS 0258	-0.04	-0.01	0.01	0.03	0.04	0.06	0.08	0.03	-0.01	0.00	0.02	0.00
CRMS 0224	-0.05	-0.01	0.00	0.03	0.05	0.06	0.06	0.03	-0.02	-0.01	0.01	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00

Figure WQ PO4 229 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.08	0.08	0.12	0.08	0.07	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.11	0.05	0.02	0.02	0.05	0.05	0.05	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.11	0.06	0.03	0.04	0.06	0.06	0.07	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.10	0.07	0.05	0.07	0.08	0.09	0.09	0.07	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.10	0.06	0.04	0.04	0.05	0.07	0.08	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.07	0.07	0.10	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.13	0.14	0.11	0.07	0.03	0.04	0.07	0.07	0.07	0.05	0.09	0.11
CRMS 0258	0.12	0.10	0.08	0.06	0.05	0.04	0.01	0.01	0.05	0.02	0.09	0.08
CRMS 0224	0.12	0.11	0.10	0.06	0.05	0.04	0.03	0.04	0.06	0.03	0.09	0.09
CRMS 0163	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.08	0.07	0.07	0.05

V3PR7 HYST - cy 5 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.12	0.11	0.08	0.09	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.11	0.13	0.06	0.08	0.08	0.16	0.12	0.03	0.01	0.01	0.11	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.14	0.09	0.04	0.03	0.03	0.08	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.15	0.12	0.04	0.04	0.03	0.08	0.05
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.06	0.08	0.08	0.14	0.11	0.07	0.07	0.05	0.07	0.06
USGS073802516 Barataria Pass at Grand Isle	0.08	0.10	0.07	0.08	0.07	0.09	0.09	0.06	0.06	0.05	0.08	0.06
HWQ14 - Lake Washington	0.10	0.12	0.08	0.07	0.07	0.09	0.08	0.07	0.05	0.04	0.08	0.07
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.07	0.07	0.06	0.05	0.07
CRMS 3985	0.09	0.11	0.08	0.07	0.07	0.09	0.07	0.06	0.06	0.05	0.08	0.08
CRMS 0258	0.09	0.10	0.06	0.08	0.08	0.14	0.10	0.01	0.04	0.02	0.08	0.06
CRMS 0224	0.09	0.10	0.06	0.08	0.08	0.15	0.12	0.04	0.04	0.03	0.08	0.06
CRMS 0163	0.06	0.07	0.05	0.08	0.08	0.16	0.11	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.13	0.10	0.07	0.06	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.07	0.00	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	0.00	0.03	0.00	0.00	-0.01	-0.01	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.01	-0.05	0.04	0.07	0.15	0.12	0.02	-0.01	0.01	0.04	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.03	-0.05	0.03	0.06	0.12	0.04	-0.01	-0.01	0.00	0.00	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.05	0.02	0.05	0.12	0.06	-0.02	-0.03	-0.02	0.00	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.04	0.01	0.03	0.07	0.03	-0.01	-0.02	-0.01	0.00	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.04	0.02	0.03	0.05	0.03	-0.01	-0.01	-0.01	-0.01	-0.04
HWQ14 - Lake Washington	-0.05	-0.03	-0.04	0.02	0.04	0.05	0.02	0.00	0.00	0.00	-0.01	-0.05
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.00	0.00	0.00	0.01	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.03	-0.03	-0.03	0.01	0.04	0.05	0.00	-0.01	0.00	0.00	-0.01	-0.03
CRMS 0258	-0.03	-0.01	-0.02	0.02	0.03	0.11	0.09	0.00	-0.01	0.01	-0.01	-0.02
CRMS 0224	-0.03	-0.01	-0.04	0.02	0.04	0.11	0.09	-0.01	-0.02	-0.01	-0.01	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	0.00

Figure WQ PO4 230 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.12
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.13	0.12	0.09	0.07	0.09	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.10	0.06	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.06	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.12	0.09	0.06	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.10	0.07	0.06	0.03	0.03	0.05	0.06	0.06	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.07	0.07	0.06	0.06	0.08	0.08	0.08	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.10	0.08	0.05	0.04	0.04	0.05	0.07	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.05	0.02	0.03	0.05	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.07	0.08	0.07	0.07	0.08
CRMS 3985	0.12	0.11	0.10	0.07	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.11
CRMS 0258	0.12	0.07	0.06	0.07	0.06	0.03	0.01	0.02	0.04	0.03	0.08	0.11
CRMS 0224	0.13	0.08	0.06	0.06	0.05	0.03	0.03	0.04	0.06	0.03	0.08	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.05	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.07	0.06

V3PR8 HYST - cy 5 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.09	0.07
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.08	0.12	0.11	0.11	0.09	0.09	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.12	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.08	0.07	0.07	0.09	0.14	0.13	0.13	0.07	0.02	0.04	0.12	0.15
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.07	0.07	0.09	0.14	0.13	0.12	0.05	0.04	0.04	0.10	0.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.06	0.07	0.09	0.14	0.13	0.13	0.07	0.04	0.05	0.10	0.13
USGS 07380335 - Little Lake Near Cutoff	0.10	0.06	0.07	0.09	0.13	0.12	0.12	0.08	0.07	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.10	0.08	0.08	0.08	0.10	0.09	0.10	0.07	0.06	0.06	0.09	0.12
HWQ14 - Lake Washington	0.11	0.08	0.08	0.08	0.09	0.08	0.09	0.07	0.05	0.05	0.09	0.14
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.08	0.10	0.10	0.09	0.08	0.08	0.07	0.07	0.09
CRMS 3985	0.10	0.08	0.08	0.09	0.11	0.09	0.09	0.06	0.06	0.05	0.10	0.13
CRMS 0258	0.09	0.06	0.07	0.09	0.13	0.10	0.11	0.04	0.03	0.04	0.09	0.12
CRMS 0224	0.09	0.06	0.08	0.09	0.13	0.12	0.13	0.06	0.04	0.05	0.10	0.13
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.07
CRMS 0162	0.06	0.06	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	0.00	0.04	0.13	0.12	0.12	0.09	0.07	0.08	0.02	-0.05
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	-0.01	0.00	0.02	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.07	-0.03	0.01	0.04	0.13	0.13	0.12	0.05	0.00	0.03	0.06	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.05	-0.01	0.03	0.13	0.11	0.08	0.00	0.00	0.02	0.02	0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.04	-0.03	0.00	0.03	0.11	0.09	0.08	0.01	-0.02	0.01	0.01	0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.02	0.00	0.02	0.07	0.06	0.05	0.00	-0.01	0.00	0.01	0.02
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.02	0.00	0.03	0.06	0.05	0.05	0.00	-0.01	0.01	0.01	0.01
HWQ14 - Lake Washington	-0.03	-0.04	-0.01	0.03	0.07	0.05	0.04	0.00	-0.01	0.01	0.01	0.02
HWQ16 - Bayou Grand Liard	0.01	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 3985	-0.01	-0.03	-0.02	0.02	0.08	0.05	0.03	-0.01	-0.01	0.00	0.01	0.02
CRMS 0258	-0.03	-0.01	0.01	0.03	0.07	0.07	0.10	0.02	-0.01	0.01	0.01	0.01
CRMS 0224	-0.04	-0.02	0.01	0.03	0.08	0.09	0.10	0.02	-0.02	0.01	0.01	0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 231 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.11	0.12	0.10	0.06	0.07	0.09	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.09	0.06	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.12	0.09	0.02	0.03	0.05	0.05	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.10	0.08	0.04	0.04	0.06	0.07	0.07	0.06	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.10	0.09	0.07	0.06	0.08	0.08	0.08	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.10	0.08	0.05	0.04	0.05	0.07	0.08	0.06	0.08	0.11
HWQ14 - Lake Washington	0.15	0.15	0.12	0.08	0.03	0.04	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.07	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.13	0.14	0.13	0.10	0.04	0.05	0.06	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.12	0.09	0.09	0.09	0.05	0.03	0.01	0.02	0.04	0.03	0.08	0.08
CRMS 0224	0.13	0.10	0.09	0.08	0.05	0.03	0.03	0.05	0.06	0.05	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.11	0.09	0.08	0.06	0.04	0.06	0.05

V3PR8 HYST - cy 5 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.08	0.07	0.09	0.10	0.13	0.11	0.09	0.09	0.08	0.07	0.06	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.08	0.09	0.10	0.11	0.09	0.06	0.07	0.08	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.09	0.07	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.09	0.08	0.09	0.10	0.13	0.06	0.01	0.01	0.01	0.01	0.12	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.09	0.08	0.10	0.11	0.13	0.05	0.03	0.04	0.03	0.03	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.08	0.08	0.10	0.11	0.13	0.06	0.02	0.03	0.04	0.03	0.09	0.08
USGS 07380335 - Little Lake Near Cutoff	0.08	0.08	0.10	0.11	0.12	0.07	0.05	0.06	0.06	0.05	0.08	0.08
USGS073802516 Barataria Pass at Grand Isle	0.09	0.08	0.10	0.10	0.10	0.06	0.04	0.06	0.07	0.05	0.08	0.09
HWQ14 - Lake Washington	0.10	0.09	0.10	0.10	0.09	0.06	0.05	0.06	0.05	0.04	0.09	0.10
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.10	0.10	0.09	0.07	0.04	0.07	0.06	0.06	0.07
CRMS 3985	0.09	0.09	0.10	0.10	0.11	0.06	0.05	0.06	0.06	0.05	0.08	0.09
CRMS 0258	0.08	0.08	0.10	0.11	0.12	0.03	0.01	0.01	0.03	0.02	0.09	0.07
CRMS 0224	0.08	0.08	0.10	0.11	0.13	0.04	0.02	0.02	0.04	0.03	0.09	0.08
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.08	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.11	0.09	0.08	0.06	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.06	-0.01	0.04	0.12	0.11	0.08	0.08	0.06	0.07	-0.01	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.06	-0.05	0.00	0.04	0.12	0.05	0.01	0.00	-0.01	0.00	0.04	-0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.05	-0.06	-0.02	0.02	0.11	0.03	-0.01	-0.01	-0.01	-0.01	0.00	-0.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.04	-0.01	0.02	0.09	0.02	-0.03	-0.04	-0.03	-0.03	0.01	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.02	0.00	0.02	0.06	0.01	-0.03	-0.02	-0.02	-0.01	0.01	-0.02
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.03	0.00	0.02	0.05	0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.02
HWQ14 - Lake Washington	-0.05	-0.06	-0.01	0.02	0.06	0.02	-0.01	-0.01	0.00	0.00	0.00	-0.02
HWQ16 - Bayou Grand Liard	-0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.00
CRMS 3985	-0.04	-0.05	-0.03	0.00	0.07	0.01	-0.01	-0.01	0.00	0.00	-0.01	-0.01
CRMS 0258	-0.04	-0.01	0.01	0.02	0.06	0.00	0.00	-0.01	-0.01	0.00	0.01	-0.01
CRMS 0224	-0.05	-0.02	0.01	0.03	0.07	0.00	-0.01	-0.03	-0.02	-0.02	0.01	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00

Figure WQ PO4 232 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.13	0.09	0.03	0.01	0.00	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.10	0.05	0.02	0.02	0.04	0.04	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.11	0.10	0.05	0.02	0.03	0.05	0.07	0.07	0.07	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.09	0.06	0.04	0.05	0.07	0.05	0.08	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.10	0.05	0.03	0.04	0.05	0.06	0.08	0.06	0.09	0.10
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.06	0.06	0.06	0.05	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.13	0.14	0.10	0.06	0.03	0.04	0.06	0.06	0.06	0.05	0.09	0.10
CRMS 0258	0.14	0.07	0.07	0.04	0.03	0.02	0.01	0.03	0.04	0.04	0.08	0.08
CRMS 0224	0.14	0.08	0.08	0.04	0.03	0.02	0.03	0.05	0.07	0.07	0.09	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.05	0.05	0.06

V3PR8 HYST - cy 5 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.06	0.06	0.07	0.07	0.07	0.08	0.09	0.10	0.05	0.05	0.06
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.07	0.06	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.06	0.05	0.06	0.06	0.07	0.08	0.07	0.07	0.08	0.07	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.07	0.09	0.08	0.06	0.02	0.02	0.02	0.02	0.02	0.10	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.07	0.09	0.06	0.05	0.02	0.04	0.05	0.03	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.06	0.07	0.05	0.06	0.01	0.02	0.04	0.05	0.04	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.06	0.06	0.05	0.05	0.03	0.04	0.06	0.07	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.07	0.07	0.04	0.05	0.03	0.04	0.06	0.07	0.06	0.08	0.09
HWQ14 - Lake Washington	0.14	0.08	0.08	0.05	0.05	0.03	0.05	0.07	0.06	0.04	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.06	0.06	0.05	0.04	0.06	0.05	0.06	0.07
CRMS 3985	0.12	0.08	0.10	0.06	0.05	0.04	0.06	0.07	0.06	0.05	0.08	0.10
CRMS 0258	0.12	0.07	0.06	0.05	0.03	0.01	0.01	0.03	0.04	0.04	0.08	0.08
CRMS 0224	0.12	0.07	0.07	0.05	0.04	0.01	0.02	0.04	0.05	0.05	0.09	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.05	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.10	-0.07	-0.03	0.04	0.06	0.07	0.07	0.09	0.08	0.05	-0.02	-0.04
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.04	0.01	0.05	0.06	0.02	0.02	0.01	-0.01	0.00	0.02	0.02
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.08	-0.01	0.01	0.04	0.00	0.00	0.01	-0.01	-0.01	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.05	-0.02	0.00	0.03	-0.02	-0.03	-0.03	-0.03	-0.03	0.00	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	-0.03	-0.02	-0.01	0.01	-0.02	-0.02	0.01	-0.01	0.00	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.04	-0.03	-0.01	0.01	-0.02	-0.02	0.00	-0.01	-0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.02	-0.07	-0.02	0.00	0.02	0.00	0.00	0.01	0.00	0.00	-0.01	-0.01
HWQ16 - Bayou Grand Liard	0.00	-0.01	-0.01	0.00	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	0.00
CRMS 3985	-0.01	-0.06	0.00	0.00	0.02	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00
CRMS 0258	-0.02	-0.01	-0.01	0.00	0.00	-0.01	0.01	0.01	0.00	0.00	0.00	0.01
CRMS 0224	-0.02	-0.02	-0.01	0.00	0.02	-0.01	-0.01	-0.01	-0.02	-0.02	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 233 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.12	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.10	0.09	0.10	0.07	0.07	0.09	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.14	0.11	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.14	0.09	0.02	0.03	0.05	0.04	0.05	0.03	0.09	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.12	0.08	0.03	0.04	0.06	0.06	0.07	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.13	0.12	0.11	0.09	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.08	0.04	0.04	0.05	0.07	0.07	0.05	0.09	0.12
HWQ14 - Lake Washington	0.17	0.17	0.13	0.08	0.03	0.04	0.06	0.07	0.05	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.09	0.08	0.08	0.08	0.07	0.08	0.06	0.07	0.08
CRMS 3985	0.16	0.16	0.15	0.11	0.04	0.05	0.07	0.06	0.06	0.05	0.09	0.12
CRMS 0258	0.15	0.11	0.11	0.07	0.04	0.03	0.01	0.01	0.05	0.02	0.09	0.11
CRMS 0224	0.15	0.12	0.11	0.07	0.04	0.04	0.03	0.04	0.06	0.04	0.09	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.10	0.10	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

V3PR8 HYST - cy 5 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.10	0.10	0.10	0.09	0.10	0.09	0.09	0.08	0.07	0.08	0.07
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.09	0.09	0.08	0.08	0.07	0.08	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.09	0.11	0.09	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.10	0.10	0.10	0.11	0.10	0.11	0.10	0.06	0.01	0.01	0.12	0.14
USGS7380251 Barataria Bay North of Grand Isle	0.11	0.10	0.11	0.11	0.09	0.10	0.09	0.05	0.03	0.03	0.09	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.10	0.10	0.11	0.11	0.09	0.10	0.09	0.07	0.04	0.02	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.12	0.10	0.08	0.10	0.09	0.08	0.07	0.05	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.12	0.09	0.07	0.07	0.08	0.07	0.06	0.05	0.09	0.12
HWQ14 - Lake Washington	0.12	0.11	0.13	0.09	0.07	0.07	0.07	0.07	0.05	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.10	0.11	0.09	0.08	0.09	0.08	0.08	0.07	0.06	0.07	0.09
CRMS 3985	0.12	0.11	0.13	0.10	0.08	0.07	0.06	0.05	0.05	0.05	0.09	0.12
CRMS 0258	0.11	0.10	0.12	0.10	0.07	0.08	0.08	0.04	0.04	0.02	0.09	0.11
CRMS 0224	0.11	0.10	0.12	0.11	0.08	0.10	0.10	0.07	0.04	0.02	0.10	0.12
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.10	0.10	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.06	-0.02	0.05	0.08	0.10	0.08	0.08	0.07	0.07	0.01	-0.06
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.04	0.00	0.06	0.09	0.10	0.09	0.06	-0.01	0.01	0.05	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.06	-0.07	-0.03	0.02	0.07	0.07	0.04	0.00	-0.01	-0.01	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.05	-0.04	-0.01	0.03	0.06	0.07	0.04	0.00	-0.03	-0.02	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.02	0.00	0.02	0.03	0.03	0.02	0.00	-0.02	-0.01	0.00	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.03	0.00	0.02	0.03	0.04	0.02	0.00	-0.01	-0.01	0.00	-0.01
HWQ14 - Lake Washington	-0.05	-0.06	-0.01	0.01	0.04	0.03	0.01	0.00	-0.01	0.00	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00
CRMS 3985	-0.04	-0.06	-0.03	-0.01	0.04	0.03	0.00	-0.02	-0.01	0.00	0.00	0.00
CRMS 0258	-0.04	0.00	0.01	0.03	0.04	0.04	0.07	0.03	-0.01	0.00	0.00	0.00
CRMS 0224	-0.04	-0.01	0.01	0.03	0.04	0.06	0.06	0.03	-0.02	-0.01	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 234 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.08	0.08	0.12	0.08	0.07	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.11	0.05	0.02	0.02	0.05	0.05	0.05	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.11	0.06	0.03	0.04	0.06	0.06	0.07	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.10	0.07	0.05	0.07	0.08	0.09	0.09	0.07	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.10	0.06	0.04	0.04	0.05	0.07	0.08	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.07	0.07	0.10	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.13	0.14	0.11	0.07	0.03	0.04	0.07	0.07	0.07	0.05	0.09	0.11
CRMS 0258	0.12	0.10	0.08	0.06	0.05	0.04	0.01	0.01	0.05	0.02	0.09	0.08
CRMS 0224	0.12	0.11	0.10	0.06	0.05	0.04	0.03	0.04	0.06	0.03	0.09	0.09
CRMS 0163	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.08	0.07	0.07	0.05

V3PR8 HYST - cy 5 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.07	0.05	0.08	0.08	0.15	0.12	0.10	0.09	0.08	0.07	0.05
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.07	0.12	0.11	0.08	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.10	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.12	0.13	0.06	0.08	0.08	0.16	0.12	0.03	0.01	0.01	0.11	0.05
USGS7380251 Barataria Bay North of Grand Isle	0.10	0.12	0.06	0.08	0.08	0.15	0.10	0.03	0.03	0.03	0.09	0.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.09	0.11	0.06	0.08	0.08	0.15	0.12	0.04	0.04	0.02	0.09	0.06
USGS 07380335 - Little Lake Near Cutoff	0.08	0.09	0.06	0.08	0.08	0.13	0.11	0.07	0.07	0.05	0.08	0.06
USGS073802516 Barataria Pass at Grand Isle	0.08	0.10	0.07	0.08	0.07	0.09	0.09	0.07	0.06	0.05	0.08	0.06
HWQ14 - Lake Washington	0.09	0.12	0.08	0.07	0.07	0.09	0.08	0.07	0.05	0.04	0.08	0.08
HWQ16 - Bayou Grand Liard	0.06	0.07	0.06	0.07	0.07	0.10	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.09	0.12	0.07	0.08	0.07	0.11	0.07	0.05	0.06	0.05	0.08	0.07
CRMS 0258	0.09	0.10	0.06	0.08	0.08	0.13	0.09	0.01	0.04	0.01	0.10	0.06
CRMS 0224	0.09	0.10	0.06	0.08	0.08	0.15	0.12	0.04	0.04	0.03	0.09	0.06
CRMS 0163	0.06	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.13	0.10	0.08	0.07	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.09	-0.05	0.04	0.07	0.15	0.11	0.09	0.07	0.07	0.00	-0.05
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	-0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	-0.01	-0.05	0.04	0.07	0.15	0.12	0.02	-0.01	0.00	0.04	-0.05
USGS7380251 Barataria Bay North of Grand Isle	-0.04	-0.03	-0.05	0.03	0.07	0.13	0.05	-0.01	-0.01	-0.01	0.00	-0.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.03	-0.02	-0.05	0.02	0.05	0.11	0.06	-0.02	-0.03	-0.02	0.00	-0.05
USGS 07380335 - Little Lake Near Cutoff	-0.02	-0.01	-0.04	0.01	0.02	0.07	0.03	-0.01	-0.02	-0.01	0.01	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.03	-0.02	-0.04	0.02	0.03	0.05	0.03	0.00	-0.01	-0.01	0.00	-0.04
HWQ14 - Lake Washington	-0.05	-0.03	-0.04	0.02	0.04	0.06	0.02	0.00	-0.01	0.00	0.00	-0.05
HWQ16 - Bayou Grand Liard	-0.01	-0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 3985	-0.04	-0.03	-0.04	0.01	0.05	0.07	0.00	-0.01	0.00	0.00	-0.01	-0.03
CRMS 0258	-0.03	-0.01	-0.02	0.02	0.03	0.09	0.08	0.00	-0.01	0.00	0.00	-0.01
CRMS 0224	-0.03	-0.01	-0.04	0.02	0.03	0.11	0.08	0.00	-0.02	-0.01	0.00	-0.03
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Figure WQ PO4 235 - Monthly Average PO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.07	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.06	0.12
CRMS0276 - Just east of Wilkinson Canal	0.08	0.06	0.07	0.09	0.13	0.12	0.09	0.07	0.09	0.07	0.09	0.09
Barataria Waterway at Lafitte (USACE82875)	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.09	0.08	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.10	0.06	0.05	0.01	0.01	0.01	0.02	0.02	0.01	0.06	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.12	0.09	0.06	0.02	0.02	0.04	0.05	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.10	0.07	0.06	0.03	0.03	0.05	0.06	0.06	0.04	0.08	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.08	0.07	0.07	0.06	0.06	0.08	0.08	0.08	0.06	0.08	0.11
USGS073802516 Barataria Pass at Grand Isle	0.12	0.10	0.08	0.05	0.04	0.04	0.05	0.07	0.07	0.05	0.08	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.05	0.02	0.03	0.05	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.09	0.07	0.08	0.07	0.07	0.08
CRMS 3985	0.12	0.11	0.10	0.07	0.03	0.04	0.06	0.07	0.06	0.05	0.08	0.11
CRMS 0258	0.12	0.07	0.06	0.07	0.06	0.03	0.01	0.02	0.04	0.03	0.08	0.11
CRMS 0224	0.13	0.08	0.06	0.06	0.05	0.03	0.03	0.04	0.06	0.03	0.08	0.12
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.07
CRMS 0162	0.06	0.05	0.07	0.09	0.14	0.13	0.13	0.10	0.08	0.08	0.07	0.06

V3PR9 HYST - cy 5 - 2008 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.12	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.12
CRMS0276 - Just east of Wilkinson Canal	0.09	0.06	0.07	0.08	0.12	0.11	0.07	0.07	0.09	0.06	0.05	0.09
Barataria Waterway at Lafitte (USACE82875)	0.07	0.06	0.07	0.09	0.15	0.14	0.12	0.10	0.09	0.07	0.09	0.08
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.11	0.07	0.04	0.01	0.01	0.01	0.02	0.02	0.01	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.13	0.09	0.05	0.02	0.02	0.05	0.04	0.04	0.03	0.08	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.10	0.08	0.06	0.03	0.03	0.06	0.07	0.07	0.04	0.07	0.12
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.08	0.07	0.05	0.06	0.07	0.08	0.08	0.06	0.06	0.10
USGS073802516 Barataria Pass at Grand Isle	0.13	0.11	0.08	0.05	0.03	0.03	0.05	0.07	0.07	0.05	0.07	0.11
HWQ14 - Lake Washington	0.15	0.13	0.09	0.05	0.02	0.03	0.06	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.07	0.07	0.07	0.09	0.09	0.08	0.06	0.08	0.06	0.05	0.08
CRMS 3985	0.12	0.12	0.10	0.07	0.03	0.04	0.07	0.06	0.06	0.05	0.08	0.12
CRMS 0258	0.13	0.07	0.06	0.06	0.05	0.02	0.01	0.02	0.04	0.02	0.06	0.10
CRMS 0224	0.14	0.08	0.07	0.06	0.05	0.03	0.03	0.05	0.06	0.04	0.07	0.11
CRMS 0163	0.06	0.06	0.07	0.09	0.15	0.14	0.13	0.10	0.08	0.08	0.09	0.08
CRMS 0162	0.06	0.05	0.07	0.09	0.13	0.13	0.13	0.10	0.08	0.07	0.08	0.07

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	0.01	0.00	0.00	0.00	-0.01	-0.01	-0.02	0.00	0.00	-0.01	-0.03	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
USGS 07380335 - Little Lake Near Cutoff	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	0.00
USGS073802516 Barataria Pass at Grand Isle	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00
HWQ14 - Lake Washington	0.00	0.01	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
HWQ16 - Bayou Grand Liard	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.02	0.00
CRMS 3985	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CRMS 0258	0.01	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00	0.00	-0.02	-0.01
CRMS 0224	0.01	0.01	0.01	0.00	-0.01	0.00	0.00	0.01	0.00	0.00	-0.02	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.01

Figure WQ PO4 236 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.14	0.10	0.06	0.01	0.01	0.01	0.01	0.01	0.01	0.08	0.11
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.09	0.11	0.12	0.10	0.06	0.07	0.09	0.06	0.07	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.07	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.12	0.09	0.06	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.11
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.12	0.09	0.02	0.03	0.05	0.05	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.12	0.10	0.08	0.04	0.04	0.06	0.07	0.07	0.06	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.10	0.10	0.09	0.07	0.06	0.08	0.08	0.08	0.06	0.07	0.10
USGS073802516 Barataria Pass at Grand Isle	0.12	0.12	0.10	0.08	0.05	0.04	0.05	0.07	0.08	0.06	0.08	0.11
HWQ14 - Lake Washington	0.15	0.15	0.12	0.08	0.03	0.04	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.09	0.09	0.09	0.09	0.07	0.04	0.07	0.05	0.05	0.07
CRMS 3985	0.13	0.14	0.13	0.10	0.04	0.05	0.06	0.07	0.06	0.05	0.09	0.11
CRMS 0258	0.12	0.09	0.09	0.09	0.05	0.03	0.01	0.02	0.04	0.03	0.08	0.08
CRMS 0224	0.13	0.10	0.09	0.08	0.05	0.03	0.03	0.05	0.06	0.05	0.08	0.10
CRMS 0163	0.07	0.08	0.10	0.11	0.13	0.12	0.09	0.08	0.08	0.07	0.06	0.05
CRMS 0162	0.07	0.08	0.09	0.10	0.13	0.11	0.09	0.08	0.06	0.04	0.06	0.05

V3PR9 HYST - cy 5 - 1994 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.13	0.09	0.04	0.01	0.01	0.01	0.01	0.02	0.02	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.07	0.09	0.10	0.11	0.09	0.05	0.07	0.07	0.05	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.08	0.10	0.11	0.13	0.12	0.08	0.07	0.07	0.07	0.06	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.11	0.08	0.04	0.01	0.01	0.01	0.03	0.04	0.04	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.13	0.10	0.06	0.02	0.02	0.04	0.04	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.11	0.09	0.06	0.03	0.04	0.06	0.07	0.07	0.07	0.07	0.10
USGS 07380335 - Little Lake Near Cutoff	0.10	0.10	0.09	0.07	0.05	0.06	0.07	0.06	0.08	0.06	0.06	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.11	0.09	0.06	0.03	0.03	0.05	0.07	0.08	0.07	0.08	0.10
HWQ14 - Lake Washington	0.14	0.13	0.10	0.06	0.03	0.03	0.06	0.07	0.06	0.05	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.08	0.08	0.08	0.08	0.08	0.06	0.04	0.06	0.05	0.05	0.06
CRMS 3985	0.12	0.13	0.11	0.08	0.03	0.04	0.06	0.06	0.06	0.05	0.08	0.10
CRMS 0258	0.12	0.09	0.08	0.07	0.04	0.02	0.01	0.04	0.05	0.07	0.06	0.08
CRMS 0224	0.12	0.09	0.08	0.07	0.04	0.03	0.04	0.06	0.06	0.07	0.07	0.09
CRMS 0163	0.07	0.08	0.10	0.11	0.14	0.12	0.08	0.08	0.06	0.06	0.06	0.05
CRMS 0162	0.07	0.07	0.09	0.10	0.12	0.11	0.09	0.07	0.04	0.05	0.06	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.01	-0.01	-0.01	-0.02	0.00	0.00	0.00	0.01	0.01	0.01	0.00	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.01	-0.02	-0.02	0.00	0.00	0.00	0.02	0.02	0.03	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.01	-0.02	-0.03	-0.01	0.00	0.00	-0.01	-0.01	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.01	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.01	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.00	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.01	-0.01	-0.01
HWQ14 - Lake Washington	-0.01	-0.01	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.01	0.00	-0.01
HWQ16 - Bayou Grand Liard	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	-0.01
CRMS 3985	-0.01	-0.01	-0.02	-0.03	-0.01	0.00	0.00	-0.01	-0.01	-0.01	-0.01	-0.01
CRMS 0258	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.01	0.03	0.01	0.04	-0.02	0.00
CRMS 0224	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	0.01	0.01	0.01	0.02	0.00	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.02	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00	0.00

Figure WQ PO4 237 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.13	0.09	0.03	0.01	0.00	0.01	0.01	0.02	0.01	0.08	0.10
CRMS0276 - Just east of Wilkinson Canal	0.09	0.05	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.07	0.07	0.08	0.07	0.07	0.07	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.14	0.10	0.05	0.02	0.02	0.04	0.04	0.04	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.11	0.10	0.05	0.02	0.03	0.05	0.07	0.07	0.07	0.09	0.10
USGS 07380335 - Little Lake Near Cutoff	0.11	0.09	0.09	0.06	0.04	0.05	0.07	0.05	0.08	0.06	0.08	0.09
USGS073802516 Barataria Pass at Grand Isle	0.12	0.11	0.10	0.05	0.03	0.04	0.05	0.06	0.08	0.06	0.09	0.10
HWQ14 - Lake Washington	0.15	0.15	0.11	0.05	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.08	0.06	0.07	0.06	0.06	0.06	0.05	0.04	0.05	0.05	0.06	0.07
CRMS 3985	0.13	0.14	0.10	0.06	0.03	0.04	0.06	0.06	0.06	0.05	0.09	0.10
CRMS 0258	0.14	0.07	0.07	0.04	0.03	0.02	0.01	0.03	0.04	0.04	0.08	0.08
CRMS 0224	0.14	0.08	0.08	0.04	0.03	0.02	0.03	0.05	0.07	0.07	0.09	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.07	0.08	0.06	0.04	0.05	0.05	0.06

V3PR9 HYST - cy 5 - 2006 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.14	0.11	0.08	0.03	0.01	0.01	0.01	0.01	0.03	0.02	0.08	0.09
CRMS0276 - Just east of Wilkinson Canal	0.08	0.05	0.06	0.06	0.06	0.06	0.05	0.06	0.06	0.05	0.06	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.05	0.06	0.06	0.07	0.08	0.05	0.06	0.06	0.06	0.05	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.14	0.10	0.07	0.03	0.01	0.01	0.02	0.03	0.06	0.05	0.08	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.13	0.11	0.09	0.05	0.02	0.02	0.04	0.04	0.04	0.03	0.08	0.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.10	0.08	0.05	0.02	0.04	0.06	0.07	0.08	0.08	0.07	0.09
USGS 07380335 - Little Lake Near Cutoff	0.10	0.08	0.08	0.05	0.03	0.05	0.06	0.06	0.08	0.07	0.06	0.08
USGS073802516 Barataria Pass at Grand Isle	0.11	0.10	0.08	0.05	0.02	0.05	0.06	0.07	0.08	0.08	0.07	0.09
HWQ14 - Lake Washington	0.14	0.12	0.09	0.05	0.02	0.03	0.05	0.07	0.06	0.06	0.08	0.11
HWQ16 - Bayou Grand Liard	0.07	0.06	0.06	0.05	0.06	0.06	0.04	0.04	0.06	0.05	0.05	0.07
CRMS 3985	0.11	0.11	0.09	0.06	0.03	0.04	0.06	0.06	0.06	0.05	0.08	0.10
CRMS 0258	0.12	0.07	0.06	0.04	0.02	0.01	0.03	0.06	0.09	0.07	0.06	0.08
CRMS 0224	0.12	0.08	0.07	0.04	0.02	0.02	0.04	0.07	0.09	0.07	0.06	0.09
CRMS 0163	0.06	0.05	0.06	0.07	0.07	0.08	0.06	0.06	0.05	0.06	0.05	0.06
CRMS 0162	0.06	0.05	0.06	0.06	0.06	0.06	0.04	0.05	0.05	0.04	0.05	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.02	-0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.02	0.00	0.00
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	-0.02	-0.02	0.00	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.00	-0.01	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.01	0.02	0.02	0.03	0.00	0.00
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.03	-0.01	0.00	0.00	0.00	-0.01	0.00	-0.01	0.00	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.01	0.01	0.01	-0.02	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	-0.02	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.01	-0.01	0.00	-0.01	0.00	0.00	0.00	0.00	0.01	-0.02	-0.01
HWQ14 - Lake Washington	-0.02	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01
HWQ16 - Bayou Grand Liard	-0.01	0.00	-0.01	0.00	0.00	-0.01	-0.01	0.00	0.00	0.01	-0.01	0.00
CRMS 3985	-0.02	-0.04	-0.01	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	-0.01	-0.01
CRMS 0258	-0.02	0.00	-0.01	-0.01	-0.01	0.00	0.02	0.03	0.05	0.03	-0.02	0.00
CRMS 0224	-0.02	0.00	-0.01	-0.01	-0.01	0.00	0.01	0.02	0.02	0.01	-0.02	0.00
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	-0.01	-0.03	-0.01	0.01	-0.01	0.00	0.00

Figure WQ PO4 238 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.18	0.16	0.12	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.12	0.10	0.09	0.10	0.07	0.07	0.09	0.07	0.09	0.08
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.11	0.10	0.09	0.09	0.08	0.08	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	0.18	0.14	0.11	0.05	0.01	0.01	0.01	0.01	0.02	0.01	0.07	0.13
USGS7380251 Barataria Bay North of Grand Isle	0.17	0.17	0.14	0.09	0.02	0.03	0.05	0.04	0.05	0.03	0.09	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	0.14	0.12	0.08	0.03	0.04	0.06	0.06	0.07	0.05	0.09	0.13
USGS 07380335 - Little Lake Near Cutoff	0.13	0.12	0.11	0.09	0.05	0.06	0.08	0.08	0.08	0.07	0.09	0.12
USGS073802516 Barataria Pass at Grand Isle	0.14	0.13	0.12	0.08	0.04	0.04	0.05	0.07	0.07	0.05	0.09	0.12
HWQ14 - Lake Washington	0.17	0.17	0.13	0.08	0.03	0.04	0.06	0.07	0.05	0.04	0.09	0.13
HWQ16 - Bayou Grand Liard	0.09	0.09	0.10	0.09	0.08	0.08	0.08	0.07	0.08	0.06	0.07	0.08
CRMS 3985	0.16	0.16	0.15	0.11	0.04	0.05	0.07	0.06	0.06	0.05	0.09	0.12
CRMS 0258	0.15	0.11	0.11	0.07	0.04	0.03	0.01	0.01	0.05	0.02	0.09	0.11
CRMS 0224	0.15	0.12	0.11	0.07	0.04	0.04	0.03	0.04	0.06	0.04	0.09	0.13
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.09	0.08	0.08	0.08	0.06
CRMS 0162	0.09	0.10	0.10	0.10	0.09	0.11	0.10	0.09	0.08	0.07	0.07	0.06

V3PR9 HYST - cy 5 - 2010 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.16	0.15	0.10	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.11
CRMS0276 - Just east of Wilkinson Canal	0.10	0.09	0.11	0.09	0.08	0.09	0.06	0.07	0.08	0.06	0.05	0.07
Barataria Waterway at Lafitte (USACE82875)	0.09	0.09	0.11	0.11	0.10	0.12	0.09	0.08	0.09	0.08	0.08	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.13	0.09	0.03	0.01	0.01	0.01	0.02	0.02	0.02	0.07	0.12
USGS7380251 Barataria Bay North of Grand Isle	0.15	0.15	0.12	0.06	0.02	0.03	0.04	0.04	0.04	0.03	0.08	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.13	0.13	0.10	0.06	0.03	0.04	0.05	0.07	0.06	0.05	0.07	0.11
USGS 07380335 - Little Lake Near Cutoff	0.11	0.11	0.10	0.07	0.04	0.06	0.07	0.08	0.08	0.06	0.06	0.08
USGS073802516 Barataria Pass at Grand Isle	0.12	0.13	0.10	0.06	0.03	0.04	0.05	0.07	0.07	0.05	0.07	0.10
HWQ14 - Lake Washington	0.15	0.15	0.12	0.06	0.03	0.04	0.06	0.07	0.06	0.04	0.08	0.12
HWQ16 - Bayou Grand Liard	0.08	0.09	0.10	0.08	0.07	0.07	0.07	0.05	0.07	0.05	0.05	0.06
CRMS 3985	0.14	0.15	0.13	0.08	0.04	0.05	0.06	0.06	0.06	0.05	0.08	0.11
CRMS 0258	0.14	0.11	0.10	0.06	0.02	0.02	0.01	0.02	0.04	0.03	0.06	0.11
CRMS 0224	0.14	0.11	0.09	0.06	0.02	0.03	0.03	0.05	0.05	0.05	0.06	0.10
CRMS 0163	0.09	0.10	0.11	0.11	0.10	0.11	0.10	0.08	0.09	0.07	0.08	0.06
CRMS 0162	0.09	0.09	0.10	0.09	0.09	0.11	0.10	0.09	0.07	0.05	0.07	0.06

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.01	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01
CRMS0276 - Just east of Wilkinson Canal	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01	-0.03	-0.01
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.01	-0.02	-0.02	0.00	0.00	0.00	0.01	0.00	0.01	0.00	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.02	-0.02	-0.03	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	-0.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.02	-0.01	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.01	-0.02	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.02	0.00	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.03	-0.03
USGS073802516 Barataria Pass at Grand Isle	-0.02	-0.01	-0.02	-0.02	-0.01	0.00	-0.01	0.00	0.00	0.00	-0.02	-0.03
HWQ14 - Lake Washington	-0.02	-0.01	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02
HWQ16 - Bayou Grand Liard	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	-0.01	-0.02	-0.01	-0.01	-0.03	-0.02
CRMS 3985	-0.02	-0.02	-0.02	-0.03	-0.01	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01
CRMS 0258	-0.01	0.00	-0.01	-0.01	-0.01	-0.01	0.00	0.01	-0.01	0.01	-0.03	0.00
CRMS 0224	-0.02	0.00	-0.02	-0.02	-0.01	-0.01	0.00	0.01	-0.01	0.02	-0.03	-0.02
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	-0.02	0.00	0.00

Figure WQ PO4 239 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	0.16	0.10	0.04	0.01	0.01	0.01	0.01	0.01	0.01	0.07	0.10
CRMS0276 - Just east of Wilkinson Canal	0.08	0.08	0.06	0.08	0.08	0.12	0.08	0.07	0.09	0.07	0.08	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.10	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.15	0.14	0.10	0.04	0.01	0.01	0.01	0.01	0.02	0.01	0.08	0.10
USGS7380251 Barataria Bay North of Grand Isle	0.14	0.15	0.11	0.05	0.02	0.02	0.05	0.05	0.05	0.03	0.09	0.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.12	0.13	0.11	0.06	0.03	0.04	0.06	0.06	0.07	0.05	0.08	0.11
USGS 07380335 - Little Lake Near Cutoff	0.10	0.11	0.10	0.07	0.05	0.07	0.08	0.09	0.09	0.07	0.07	0.09
USGS073802516 Barataria Pass at Grand Isle	0.11	0.12	0.10	0.06	0.04	0.04	0.05	0.07	0.08	0.05	0.08	0.11
HWQ14 - Lake Washington	0.14	0.15	0.12	0.06	0.02	0.03	0.06	0.07	0.06	0.04	0.09	0.12
HWQ16 - Bayou Grand Liard	0.07	0.08	0.06	0.07	0.07	0.10	0.09	0.07	0.08	0.06	0.06	0.07
CRMS 3985	0.13	0.14	0.11	0.07	0.03	0.04	0.07	0.07	0.07	0.05	0.09	0.11
CRMS 0258	0.12	0.10	0.08	0.06	0.05	0.04	0.01	0.01	0.05	0.02	0.09	0.08
CRMS 0224	0.12	0.11	0.10	0.06	0.05	0.04	0.03	0.04	0.06	0.03	0.09	0.09
CRMS 0163	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.08	0.07	0.07	0.05

V3PR9 HYST - cy 5 - 2011 (FWP)												
	monthly average PO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.13	0.08	0.04	0.01	0.01	0.01	0.01	0.01	0.03	0.09	0.09
CRMS0276 - Just east of Wilkinson Canal	0.07	0.07	0.06	0.08	0.08	0.11	0.07	0.07	0.08	0.06	0.05	0.06
Barataria Waterway at Lafitte (USACE82875)	0.07	0.07	0.05	0.08	0.08	0.16	0.12	0.09	0.09	0.08	0.08	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	0.13	0.12	0.08	0.04	0.01	0.01	0.01	0.02	0.02	0.03	0.09	0.09
USGS7380251 Barataria Bay North of Grand Isle	0.12	0.13	0.09	0.05	0.01	0.02	0.04	0.04	0.03	0.04	0.09	0.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.11	0.11	0.09	0.05	0.03	0.03	0.05	0.07	0.06	0.06	0.08	0.10
USGS 07380335 - Little Lake Near Cutoff	0.09	0.10	0.09	0.06	0.05	0.06	0.07	0.08	0.08	0.06	0.06	0.08
USGS073802516 Barataria Pass at Grand Isle	0.10	0.11	0.09	0.05	0.03	0.03	0.05	0.07	0.07	0.06	0.08	0.10
HWQ14 - Lake Washington	0.13	0.13	0.09	0.05	0.02	0.03	0.06	0.07	0.05	0.06	0.09	0.11
HWQ16 - Bayou Grand Liard	0.07	0.07	0.06	0.06	0.07	0.09	0.08	0.06	0.07	0.05	0.05	0.06
CRMS 3985	0.11	0.12	0.09	0.06	0.03	0.04	0.07	0.05	0.04	0.05	0.08	0.09
CRMS 0258	0.11	0.09	0.07	0.05	0.04	0.03	0.01	0.02	0.04	0.04	0.06	0.08
CRMS 0224	0.11	0.10	0.08	0.05	0.04	0.03	0.03	0.05	0.05	0.06	0.08	0.09
CRMS 0163	0.07	0.07	0.06	0.08	0.08	0.16	0.12	0.09	0.09	0.07	0.07	0.05
CRMS 0162	0.06	0.06	0.05	0.08	0.08	0.16	0.12	0.10	0.06	0.05	0.07	0.05

Difference (FWP-FWOP)												
	monthly average PO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.02	-0.02	-0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.02	-0.01
CRMS0276 - Just east of Wilkinson Canal	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	0.00	-0.01	-0.01	-0.03	0.00
Barataria Waterway at Lafitte (USACE82875)	0.00	0.00	0.00	0.00	0.00	-0.01	-0.01	-0.01	0.00	0.00	0.00	0.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.02	-0.02	-0.03	-0.01	0.00	0.00	0.00	0.02	0.00	0.03	0.02	-0.01
USGS7380251 Barataria Bay North of Grand Isle	-0.02	-0.02	-0.02	-0.01	0.00	0.00	0.00	-0.01	-0.01	0.01	0.00	-0.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.01	-0.02	-0.02	-0.01	-0.01	0.00	0.00	0.00	0.00	0.02	0.00	-0.01
USGS 07380335 - Little Lake Near Cutoff	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	-0.01
USGS073802516 Barataria Pass at Grand Isle	-0.01	-0.02	-0.02	-0.01	-0.01	-0.01	-0.01	0.00	-0.01	0.01	0.00	-0.01
HWQ14 - Lake Washington	-0.02	-0.02	-0.03	-0.01	0.00	0.00	0.00	0.00	0.00	0.02	0.01	-0.02
HWQ16 - Bayou Grand Liard	0.00	-0.01	0.00	0.00	0.00	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	-0.01
CRMS 3985	-0.02	-0.02	-0.02	-0.01	0.00	0.00	0.00	-0.02	-0.02	0.00	-0.01	-0.02
CRMS 0258	-0.01	-0.01	-0.01	-0.01	-0.01	-0.01	0.00	0.01	-0.01	0.02	-0.03	0.00
CRMS 0224	-0.01	-0.01	-0.02	-0.01	-0.01	-0.01	0.00	0.01	-0.01	0.03	-0.01	-0.01
CRMS 0163	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.00	0.00
CRMS 0162	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-0.03	-0.02	0.00	0.00

Figure WQ PO4 240 - Monthly Average PO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve

7.0 DISSOLVED OXYGEN DATA TABLES

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.1	10.2	9.1	7.9	6.9	6.8	6.5	6.6	7.9	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.2	9.7	10.2	10.6	9.8	8.5	7.3	6.8	7.5	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.2	11.6	12.9	11.8	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	9.9	8.9	7.9	7.2	7.1	6.9	7.1	8.3	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.5	6.6	6.7	6.3	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.8	6.4	6.1	5.5	6.1	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.5	8.3	7.0	6.5	6.1	6.2	7.5	8.9	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.6	7.6	7.5	7.4	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.0	7.0	6.8	6.3	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.6	8.7	8.1	7.4	6.7	6.1	8.2	6.4	7.6	8.9	8.4
CRMS 3985	11.0	10.2	9.7	8.9	7.5	6.4	6.3	5.7	6.1	7.6	9.5	9.3
CRMS 0258	11.1	10.1	10.2	10.2	10.2	10.2	8.3	7.3	7.1	8.6	9.5	9.1
CRMS 0224	10.6	9.4	10.0	8.8	8.0	7.1	6.9	6.0	6.5	8.1	9.1	8.8
CRMS 0163	11.1	10.4	10.0	9.3	8.5	10.3	9.0	8.6	9.9	10.8	9.5	9.6
CRMS 0162	10.5	9.6	9.4	8.6	7.5	6.9	6.7	7.2	6.3	7.9	9.1	9.3

V3PR2 HYST - cy 0 - 1970 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.3	9.7	8.8	8.3	7.6	6.9	9.3	11.1	10.4	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.0	9.3	10.5	10.5	10.3	9.6	8.7	7.8	6.7	7.5	9.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	10.2	11.5	13.0	11.6	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.5	9.7	9.0	7.8	7.0	11.7	11.3	10.1	10.8	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.3	10.0	10.2	9.5	8.4	6.8	6.3	6.5	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.2	10.2	10.0	8.4	9.3	6.9	5.6	6.0	7.6	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.6	10.0	10.3	10.7	9.0	8.9	6.7	6.2	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.7	9.8	10.6	10.0	10.0	8.5	8.0	7.2	6.8	8.6	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.4	9.7	8.7	7.5	6.8	6.1	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.9	8.8	9.4	8.8	8.1	7.1	6.1	7.3	6.2	7.2	8.7	8.3
CRMS 3985	11.0	10.2	9.8	9.1	8.0	6.8	6.1	5.8	6.3	7.5	9.5	9.3
CRMS 0258	11.4	10.4	10.3	11.1	12.2	11.3	9.2	8.1	7.4	8.9	9.6	9.7
CRMS 0224	11.0	9.8	10.1	10.8	11.9	9.9	8.3	6.2	5.7	7.6	9.0	9.4
CRMS 0163	11.1	10.4	10.0	9.3	8.6	10.5	9.1	8.6	9.9	10.8	9.5	9.6
CRMS 0162	10.5	9.5	9.4	8.5	7.5	6.9	6.7	7.2	6.2	7.8	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.1	-0.4	-1.4	-0.8	-0.4	0.0	2.4	4.6	3.8	1.4	-0.5	0.0
CRMS0276 - Just east of Wilkinson Canal	0.3	0.1	0.8	0.4	-0.3	-0.1	0.2	0.5	-0.1	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	-0.1	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.2	0.5	-0.2	0.1	-0.1	-0.1	4.6	4.4	3.1	2.5	0.1	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.1	0.0	1.1	2.0	1.8	0.0	-0.1	-0.2	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.5	-0.1	0.9	0.6	2.9	0.8	0.1	-0.1	-0.1	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.5	0.5	-0.2	1.2	0.7	1.9	0.3	0.1	-0.2	-0.1	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	0.1	0.8	1.4	0.9	0.4	-0.1	-0.2	-0.2	0.0	0.1
HWQ14 - Lake Washington	0.0	0.0	0.0	0.5	0.7	0.5	0.0	-0.1	-0.1	-0.2	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.3	0.2	0.6	0.7	0.7	0.3	0.0	-0.9	-0.1	-0.4	-0.2	-0.1
CRMS 3985	0.0	0.0	0.0	0.2	0.5	0.3	-0.2	0.1	0.1	-0.1	0.0	0.0
CRMS 0258	0.2	0.3	0.1	0.8	2.0	1.1	0.9	0.9	0.3	0.3	0.1	0.6
CRMS 0224	0.4	0.4	0.1	2.0	3.9	2.8	1.4	0.2	-0.8	-0.5	-0.2	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0

Figure WQ DO 1 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.2	10.3	9.3	8.3	7.3	7.0	6.9	6.9	8.1	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.8	9.8	10.7	9.8	8.8	8.0	7.0	7.8	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.4	12.1	11.3	10.6	10.4	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.2	8.5	7.9	7.7	7.6	7.8	8.7	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.2	6.2	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.9	6.5	6.0	5.5	6.1	7.7	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	10.7	9.6	8.4	7.3	6.8	6.2	6.2	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.7	9.5	8.8	7.8	7.8	7.4	6.9	8.7	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.9	8.9	8.5	7.6	6.6	6.0	7.0	6.1	8.3	9.3	8.5
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	5.8	6.2	7.6	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.8	9.9	9.0	8.2	8.0	8.8	9.5	9.8
CRMS 0224	10.7	9.6	10.4	9.6	8.9	8.3	8.1	7.9	7.9	8.8	9.2	8.9
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.1	9.9	9.7	10.3	10.3	9.5	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.6	9.0	9.3

V3PR2 HYST - cy 0 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.8	3.0	2.5	2.6	2.1	5.0	5.5	5.3	6.0	6.7	8.4	5.3
CRMS0276 - Just east of Wilkinson Canal	9.9	9.8	10.9	10.4	10.5	9.8	9.1	9.0	7.5	7.8	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	10.5	12.0	11.5	10.8	10.6	10.1	10.7	10.7	11.0
USGS2928590900040000 Barataria Waterway South of Lafitte	10.5	7.4	6.5	6.6	5.5	7.3	7.6	7.5	7.7	8.7	10.4	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.2	8.2	7.5	7.1	6.8	6.9	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.7	10.0	9.2	8.1	7.7	7.6	7.6	7.8	8.6	9.4	9.9
USGS 07380335 - Little Lake Near Cutoff	10.8	10.8	10.5	9.5	8.5	7.8	7.8	8.2	7.9	8.7	9.2	9.7
USGS073802516 Barataria Pass at Grand Isle	10.7	10.3	10.7	9.4	8.5	8.0	7.9	8.2	8.1	8.8	9.6	9.7
HWQ14 - Lake Washington	11.0	10.3	10.5	9.4	8.3	7.6	7.4	7.3	7.0	8.3	9.7	9.4
HWQ16 - Bayou Grand Liard	8.8	9.5	10.2	10.0	9.3	7.9	6.5	7.2	6.2	8.7	9.6	8.7
CRMS 3985	11.0	10.3	9.8	9.5	8.3	7.0	6.4	6.0	6.3	7.4	9.5	9.3
CRMS 0258	11.5	10.9	10.4	10.0	9.7	9.9	10.0	8.8	8.1	9.0	9.9	10.4
CRMS 0224	11.2	10.6	10.3	9.4	8.7	8.1	7.9	7.8	8.1	8.7	9.8	10.0
CRMS 0163	11.0	10.5	10.0	9.0	8.1	9.5	9.1	8.6	9.5	9.7	9.2	9.5
CRMS 0162	10.7	10.0	9.3	8.6	7.6	6.9	6.6	7.0	6.7	7.4	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-4.7	-7.3	-7.8	-6.7	-6.1	-2.3	-1.6	-1.6	-0.9	-1.5	-1.6	-4.5
CRMS0276 - Just east of Wilkinson Canal	0.2	0.2	1.1	0.6	-0.2	0.0	0.2	1.0	0.4	0.1	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.0	0.0	0.1	-0.1	0.1	0.2	0.1	0.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.0	-2.7	-3.7	-2.7	-3.0	-0.6	-0.2	-0.1	-0.1	0.0	0.4	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.1	0.2	0.6	0.9	0.9	0.6	0.2	0.2	0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	1.0	-0.3	0.1	0.2	1.2	1.6	2.1	1.6	0.9	0.3	1.0
USGS 07380335 - Little Lake Near Cutoff	0.7	1.3	-0.2	-0.1	0.0	0.6	1.0	1.9	1.6	1.0	0.1	1.1
USGS073802516 Barataria Pass at Grand Isle	0.3	0.7	0.0	-0.1	-0.3	0.1	0.1	0.8	1.1	0.1	0.2	0.6
HWQ14 - Lake Washington	0.0	0.2	0.2	0.4	0.4	0.6	1.0	1.2	0.5	0.4	0.1	0.1
HWQ16 - Bayou Grand Liard	0.2	0.6	1.2	1.5	1.7	1.3	0.5	0.2	0.1	0.4	0.4	0.2
CRMS 3985	0.0	0.0	0.2	0.8	0.9	0.6	0.5	0.2	0.1	-0.2	0.0	0.0
CRMS 0258	0.2	0.5	0.0	-0.6	-1.0	0.0	1.1	0.7	0.1	0.2	0.4	0.6
CRMS 0224	0.5	1.0	-0.1	-0.2	-0.2	-0.2	-0.2	-0.1	0.2	-0.1	0.5	1.1
CRMS 0163	-0.1	-0.1	-0.1	-0.1	-0.1	-0.6	-0.8	-1.1	-0.8	-0.6	-0.3	-0.2
CRMS 0162	0.0	0.1	0.1	0.0	0.1	-0.1	-0.1	0.0	-0.1	-0.2	0.0	0.0

Figure WQ DO 2 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.1	8.9	7.8	6.4	6.3	6.1	6.4	7.8	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.4	9.6	9.9	10.2	8.6	7.9	7.3	6.1	7.6	10.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.6	11.7	12.5	10.6	9.4	9.4	9.6	11.1	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	9.9	9.8	8.7	7.6	6.5	6.5	6.4	6.5	8.0	9.8	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.8	6.7	6.6	6.3	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.3	9.1	8.0	6.4	6.0	5.4	6.0	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.4	8.3	7.1	6.6	5.9	6.2	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.5	7.6	7.5	7.0	6.8	8.7	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.2	7.1	6.7	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.7	8.8	8.3	7.1	6.6	6.9	8.7	6.5	8.0	8.9	8.4
CRMS 3985	11.0	10.2	9.8	9.0	7.7	6.5	6.1	5.7	6.1	7.5	9.5	9.3
CRMS 0258	10.9	10.2	9.8	9.8	9.6	7.1	6.9	6.8	6.8	8.0	9.8	9.7
CRMS 0224	10.6	9.3	9.9	8.7	7.5	6.3	6.1	5.7	6.2	7.9	9.1	8.9
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.2	7.7	9.3	10.7	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.0	6.9	6.8	5.6	7.8	9.0	9.3

V3PR2 HYST - cy 0 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.5	9.4	8.9	8.0	9.6	9.8	11.4	10.5	9.3	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.5	10.0	10.2	10.0	8.8	8.0	7.3	6.2	7.4	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.7	11.7	12.3	10.6	9.3	9.4	9.6	11.0	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.5	10.0	9.9	8.6	10.4	11.4	11.1	10.1	10.7	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	10.0	9.5	9.2	7.1	6.6	6.3	6.7	7.9	9.6	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.5	10.5	9.6	9.8	7.0	6.2	5.5	6.1	7.6	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.2	10.3	11.2	10.0	9.7	7.4	6.7	5.9	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.5	10.0	11.1	9.6	9.1	7.6	7.5	7.0	6.8	8.6	9.5	9.3
HWQ14 - Lake Washington	10.9	10.1	10.7	9.6	8.3	7.2	6.6	6.1	6.4	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	8.9	8.3	7.7	6.6	6.7	8.3	6.3	7.7	8.7	8.3
CRMS 3985	11.0	10.2	9.7	8.9	7.8	6.6	6.0	5.8	6.2	7.5	9.5	9.3
CRMS 0258	11.1	10.5	10.3	10.1	10.7	7.6	7.5	7.3	6.7	8.2	9.8	9.9
CRMS 0224	10.7	10.0	10.8	9.4	9.8	7.0	6.6	5.8	5.7	7.6	9.0	9.5
CRMS 0163	10.9	10.4	10.0	9.6	10.4	10.0	8.2	7.8	9.4	10.7	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.0	6.9	6.9	5.6	7.8	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.7	-0.7	0.0	0.1	3.2	3.5	5.3	4.1	1.5	-0.6	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.4	0.2	-0.1	0.2	0.2	0.1	0.1	-0.1	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.6	0.2	1.2	1.0	4.0	4.9	4.7	3.6	2.8	0.2	0.4
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.2	0.0	0.4	1.4	0.4	0.0	0.0	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.8	0.2	0.5	1.9	0.6	0.1	0.1	0.1	0.0	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	0.9	0.8	0.6	1.4	0.3	0.2	0.0	-0.2	0.0	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.4	0.6	0.3	0.6	0.1	0.0	-0.1	0.0	-0.1	0.0	0.1
HWQ14 - Lake Washington	0.0	0.1	0.3	0.4	0.1	0.1	-0.1	-0.1	0.0	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.3	0.1	0.1	0.6	0.0	-0.2	-0.4	-0.1	-0.3	-0.2	-0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	0.2	0.1	0.0	0.0	0.0
CRMS 0258	0.2	0.4	0.4	0.4	1.1	0.5	0.6	0.5	-0.1	0.2	0.1	0.1
CRMS 0224	0.1	0.7	0.9	0.8	2.3	0.7	0.5	0.2	-0.5	-0.3	0.0	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0

Figure WQ DO 3 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.3	10.3	9.3	8.3	7.3	7.5	7.8	7.4	8.4	10.0	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.1	10.0	10.7	10.1	9.0	9.0	8.1	7.6	9.7	9.5
Barataria Waterway at Lafitte (USACE82875)	11.1	10.4	10.0	11.1	13.1	12.1	11.5	11.0	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.2	10.2	9.2	8.5	7.9	7.8	7.8	8.1	8.8	10.1	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.8	6.5	6.7	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.0	7.9	6.4	6.2	5.8	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.6	10.6	9.5	8.3	7.0	6.4	6.8	6.3	7.9	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	10.6	9.3	8.6	7.7	7.5	8.0	7.3	8.9	9.5	9.0
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	8.0	7.0	6.8	6.2	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.8	8.2	7.3	6.7	6.2	5.6	6.0	6.8	9.1	9.2
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	6.3	5.9	6.2	7.5	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.7	10.5	10.9	11.3	8.6	9.0	9.5	9.4
CRMS 0224	10.7	9.7	10.4	9.5	8.7	8.2	8.2	8.1	8.2	9.0	9.3	8.9
CRMS 0163	11.2	10.6	10.0	9.1	9.0	10.0	11.2	11.0	10.7	10.9	9.5	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.6	6.8	6.3	6.6	6.9	7.9	9.0	9.3

V3PR2 HYST - cy 0 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.4	8.9	8.6	8.3	7.6	6.9	6.7	9.0	10.1	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.2	9.8	10.5	10.2	10.6	9.9	9.3	9.7	8.1	7.6	9.7	9.3
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.0	11.1	13.1	12.0	11.4	10.9	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.9	9.5	9.0	7.9	6.9	6.5	8.5	10.4	11.0	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.8	9.4	8.3	7.8	7.4	6.6	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.7	10.0	9.5	8.9	8.3	8.2	8.0	6.4	7.7	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.0	10.6	10.1	10.5	9.0	8.3	7.4	7.1	6.1	7.6	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	10.8	10.2	10.2	10.5	10.0	8.9	8.4	8.6	7.4	8.6	9.5	9.1
HWQ14 - Lake Washington	10.9	10.1	10.0	10.1	8.5	7.5	6.8	6.2	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.3	9.5	9.4	9.1	8.0	7.2	6.5	6.0	5.9	6.7	9.0	8.9
CRMS 3985	11.0	10.2	9.7	9.2	8.0	6.8	6.0	5.6	6.3	7.4	9.5	9.3
CRMS 0258	11.6	10.7	10.3	11.2	12.4	12.0	12.1	11.7	8.5	8.9	9.6	9.8
CRMS 0224	11.3	10.4	10.1	11.1	12.0	11.7	11.7	10.1	7.7	8.7	9.2	9.7
CRMS 0163	11.2	10.6	10.0	9.2	9.1	10.0	11.1	11.0	10.7	10.9	9.4	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.7	6.9	6.3	6.6	6.9	7.9	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-1.4	-1.7	-1.1	-0.7	-0.3	-0.8	1.1	2.6	0.9	-0.6	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.4	0.1	-0.2	-0.1	0.3	0.7	0.0	0.0	0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.1	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.8	-0.3	-0.7	-0.3	-0.6	-1.0	-1.3	0.7	2.4	2.1	-0.1	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.1	0.9	1.9	1.8	1.0	1.0	-0.1	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.9	-0.3	0.5	1.0	1.9	2.0	2.3	0.1	-0.1	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	0.9	1.0	-0.5	1.0	0.7	1.2	1.0	0.3	-0.2	-0.3	-0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.4	0.5	-0.4	1.2	1.5	1.2	0.9	0.6	0.1	-0.3	-0.1	0.1
HWQ14 - Lake Washington	0.0	0.1	-0.4	1.1	0.6	0.5	0.0	0.0	-0.1	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.5	0.5	0.6	0.9	0.8	0.5	0.3	0.4	-0.1	-0.1	-0.1	-0.4
CRMS 3985	0.0	0.0	0.0	0.6	0.6	0.4	-0.4	-0.3	0.1	-0.1	0.0	0.0
CRMS 0258	0.3	0.3	-0.1	0.6	1.7	1.5	1.3	0.4	-0.2	-0.1	0.1	0.4
CRMS 0224	0.6	0.7	-0.3	1.7	3.3	3.5	3.5	2.0	-0.5	-0.3	-0.1	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 4 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.3	8.3	7.3	7.5	7.7	7.3	8.4	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.3	9.8	9.9	10.6	10.5	9.3	8.9	7.9	7.7	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.8	11.6	11.7	10.8	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.3	8.6	8.1	7.9	7.9	8.1	8.9	10.1	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.0	7.5	6.5	6.3	6.2	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.2	9.1	7.9	6.5	6.0	5.6	6.2	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.3	10.4	9.6	8.4	7.2	6.6	6.7	6.3	7.8	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.4	8.8	8.0	7.9	7.8	6.9	8.8	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	6.9	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.6	8.3	7.5	6.7	6.2	5.7	6.0	7.4	9.2	8.4
CRMS 3985	11.0	10.2	9.8	8.8	7.4	6.4	5.9	5.8	6.3	7.6	9.5	9.3
CRMS 0258	11.0	9.8	10.2	10.6	10.7	10.6	11.0	10.9	8.1	9.0	9.6	10.0
CRMS 0224	10.7	9.5	10.2	9.5	8.9	8.4	8.3	8.3	8.2	9.0	9.3	9.0
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.2	11.2	10.6	10.7	10.8	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.5	6.3	6.8	6.9	7.9	9.1	9.3

V3PR2 HYST - cy 0 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.6	8.2	7.7	6.9	6.7	10.2	10.1	9.4	9.4	8.6
CRMS0276 - Just east of Wilkinson Canal	9.7	9.1	10.0	9.9	10.3	9.9	9.6	9.5	7.9	7.6	9.4	9.2
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.9	11.8	11.5	10.7	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.6	9.5	8.8	7.7	6.7	6.5	11.8	10.3	10.9	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.8	9.8	8.9	8.5	7.8	6.7	6.6	7.8	9.5	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	9.9	9.9	9.4	7.9	7.0	7.9	6.7	6.3	7.7	9.0	9.8
USGS 07380335 - Little Lake Near Cutoff	10.2	9.6	10.0	10.4	8.2	7.0	7.4	6.7	6.1	7.6	8.9	9.7
USGS073802516 Barataria Pass at Grand Isle	10.5	9.7	10.3	10.4	10.0	9.2	8.6	8.4	7.3	8.6	9.4	9.4
HWQ14 - Lake Washington	10.9	10.1	10.1	10.0	8.7	7.6	6.8	6.3	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.4	9.2	8.0	7.0	6.6	5.7	5.9	7.2	9.2	8.8
CRMS 3985	11.0	10.2	9.8	9.2	7.9	6.6	5.9	5.8	6.3	7.4	9.5	9.3
CRMS 0258	11.2	10.1	10.2	11.2	12.3	13.0	12.3	11.0	7.8	8.8	9.7	10.2
CRMS 0224	10.8	9.7	10.0	11.2	12.7	12.3	12.0	9.0	7.7	8.8	9.2	9.8
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.5	11.0	10.6	10.7	10.8	9.4	9.8
CRMS 0162	10.5	9.5	9.3	8.6	7.5	6.5	6.4	6.8	6.9	7.8	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	0.2	-1.6	-1.0	-0.6	-0.4	-0.8	2.4	2.8	1.0	-0.6	-1.3
CRMS0276 - Just east of Wilkinson Canal	0.1	-0.2	0.2	0.0	-0.3	-0.6	0.3	0.6	0.0	-0.1	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.1	0.1	-0.2	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.5	-0.6	-0.5	-0.9	-1.3	-1.4	3.9	2.2	2.1	-0.1	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.8	1.4	2.0	1.5	0.5	-0.1	-0.1	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.1	0.2	-0.3	0.4	0.0	0.5	1.9	1.1	0.0	-0.1	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.4	0.8	-0.2	-0.2	0.7	0.0	-0.2	-0.2	-0.2	1.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.1	-0.3	1.0	1.2	1.2	0.8	0.6	0.4	-0.1	0.0	0.4
HWQ14 - Lake Washington	0.0	0.0	-0.2	1.0	0.8	0.7	0.4	0.3	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	-0.2	0.9	0.5	0.3	0.5	0.0	-0.1	-0.2	0.0	0.4
CRMS 3985	0.0	0.0	0.0	0.4	0.5	0.3	0.1	0.0	0.0	-0.2	0.0	0.0
CRMS 0258	0.1	0.3	0.0	0.6	1.6	2.3	1.3	0.1	-0.3	-0.1	0.1	0.2
CRMS 0224	0.1	0.2	-0.2	1.7	3.8	3.9	3.6	0.8	-0.6	-0.2	-0.1	0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	-0.2	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 5 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.1	10.2	9.1	7.9	6.9	6.8	6.5	6.6	7.9	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.2	9.7	10.2	10.6	9.8	8.5	7.3	6.8	7.5	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.2	11.6	12.9	11.8	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	9.9	8.9	7.9	7.2	7.1	6.9	7.1	8.3	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.5	6.6	6.7	6.3	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.8	6.4	6.1	5.5	6.1	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.5	8.3	7.0	6.5	6.1	6.2	7.5	8.9	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.6	7.6	7.5	7.4	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.0	7.0	6.8	6.3	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.6	8.7	8.1	7.4	6.7	6.1	8.2	6.4	7.6	8.9	8.4
CRMS 3985	11.0	10.2	9.7	8.9	7.5	6.4	6.3	5.7	6.1	7.6	9.5	9.3
CRMS 0258	11.1	10.1	10.2	10.2	10.2	10.2	8.3	7.3	7.1	8.6	9.5	9.1
CRMS 0224	10.6	9.4	10.0	8.8	8.0	7.1	6.9	6.0	6.5	8.1	9.1	8.8
CRMS 0163	11.1	10.4	10.0	9.3	8.5	10.3	9.0	8.6	9.9	10.8	9.5	9.6
CRMS 0162	10.5	9.6	9.4	8.6	7.5	6.9	6.7	7.2	6.3	7.9	9.1	9.3

V3PR3 HYST - cy 0 - 1970 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.3	9.7	8.8	8.3	7.6	6.9	9.3	11.0	10.3	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.0	9.3	10.5	10.5	10.3	9.6	8.7	7.8	6.7	7.4	9.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	10.2	11.6	13.0	11.6	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.6	9.8	9.1	7.9	7.3	11.0	10.6	9.6	10.5	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.3	10.0	10.2	9.5	8.4	6.8	6.3	6.5	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.2	10.2	9.9	8.4	9.3	6.9	5.6	6.0	7.6	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.6	10.0	10.3	10.7	9.0	8.9	6.7	6.2	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.7	9.8	10.6	10.0	10.0	8.5	8.0	7.2	6.7	8.6	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.4	9.7	8.7	7.5	6.8	6.2	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.9	8.8	9.3	8.8	8.1	7.1	6.1	7.4	6.2	7.2	8.6	8.3
CRMS 3985	11.0	10.2	9.8	9.1	8.0	6.8	6.1	5.8	6.3	7.5	9.5	9.3
CRMS 0258	11.4	10.4	10.3	11.1	12.2	11.1	9.1	8.1	7.4	8.9	9.6	9.7
CRMS 0224	11.0	9.8	10.1	10.9	11.8	9.9	8.3	6.2	5.8	7.7	9.0	9.4
CRMS 0163	11.1	10.4	10.0	9.3	8.6	10.4	9.1	8.6	9.9	10.9	9.5	9.6
CRMS 0162	10.5	9.5	9.4	8.5	7.6	6.9	6.7	7.1	6.2	7.9	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.1	-0.4	-1.4	-0.8	-0.4	0.0	2.4	4.5	3.6	1.3	-0.5	0.0
CRMS0276 - Just east of Wilkinson Canal	0.3	0.1	0.8	0.3	-0.3	-0.1	0.2	0.5	0.0	-0.1	-0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.1	0.6	-0.1	0.2	0.0	0.1	3.9	3.7	2.5	2.2	0.1	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.1	0.0	1.1	2.0	1.8	0.0	0.0	-0.2	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.5	-0.1	0.9	0.6	2.9	0.8	0.1	0.0	0.0	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	0.5	0.5	-0.2	1.2	0.7	1.9	0.3	0.2	-0.2	-0.1	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	0.1	0.8	1.4	0.9	0.5	-0.1	-0.3	-0.2	0.0	0.1
HWQ14 - Lake Washington	0.0	0.0	0.0	0.5	0.7	0.5	0.0	-0.1	-0.1	-0.2	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.3	0.2	0.6	0.7	0.7	0.3	0.0	-0.8	-0.2	-0.5	-0.2	-0.1
CRMS 3985	0.0	0.0	0.0	0.2	0.6	0.4	-0.2	0.1	0.1	-0.1	0.0	0.0
CRMS 0258	0.2	0.3	0.1	0.9	2.0	1.0	0.9	0.9	0.3	0.3	0.1	0.6
CRMS 0224	0.4	0.4	0.1	2.0	3.8	2.7	1.4	0.2	-0.8	-0.4	-0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Figure WQ DO 6 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.2	10.3	9.3	8.3	7.3	7.0	6.9	6.9	8.1	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.8	9.8	10.7	9.8	8.8	8.0	7.0	7.8	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.4	12.1	11.3	10.6	10.4	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.2	8.5	7.9	7.7	7.6	7.8	8.7	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.2	6.2	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.9	6.5	6.0	5.5	6.1	7.7	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	10.7	9.6	8.4	7.3	6.8	6.2	6.2	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.7	9.5	8.8	7.8	7.8	7.4	6.9	8.7	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.9	8.9	8.5	7.6	6.6	6.0	7.0	6.1	8.3	9.3	8.5
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	5.8	6.2	7.6	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.8	9.9	9.0	8.2	8.0	8.8	9.5	9.8
CRMS 0224	10.7	9.6	10.4	9.6	8.9	8.3	8.1	7.9	7.9	8.8	9.2	8.9
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.1	9.9	9.7	10.3	10.3	9.5	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.6	9.0	9.3

V3PR3 HYST - cy 0 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.2	8.9	8.5	8.2	7.6	9.3	9.4	10.8	10.2	9.3	9.4	9.1
CRMS0276 - Just east of Wilkinson Canal	9.9	9.7	10.3	9.8	10.5	9.8	8.8	8.4	7.2	7.6	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.6	12.2	11.3	10.6	10.4	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	9.4	8.8	7.8	9.9	11.6	11.1	9.7	10.8	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.8	9.4	9.0	7.7	6.7	6.4	6.6	7.9	9.5	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.7	9.9	9.2	8.0	7.9	6.5	5.7	6.1	7.6	9.0	9.5
USGS 07380335 - Little Lake Near Cutoff	10.7	10.6	9.9	9.9	8.3	8.1	6.8	6.5	6.0	7.5	8.9	9.2
USGS073802516 Barataria Pass at Grand Isle	10.7	10.2	10.0	10.6	10.0	8.6	7.7	7.5	6.9	8.5	9.4	9.3
HWQ14 - Lake Washington	10.9	10.1	10.0	10.0	8.7	7.6	6.7	6.1	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.8	9.4	9.4	9.3	8.1	6.9	6.1	6.3	6.0	7.8	9.2	8.6
CRMS 3985	11.0	10.3	9.8	9.3	8.0	6.8	6.1	5.9	6.3	7.5	9.5	9.3
CRMS 0258	11.4	10.7	10.2	11.1	12.2	10.2	9.1	8.2	7.7	8.7	9.6	10.0
CRMS 0224	11.0	10.4	10.0	11.2	12.4	9.2	7.8	7.1	6.9	8.4	9.1	9.7
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.2	9.9	9.7	10.3	10.1	9.5	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.0	6.8	7.6	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-1.3	-1.8	-1.0	-0.7	2.0	2.4	3.9	3.2	1.2	-0.5	-0.8
CRMS0276 - Just east of Wilkinson Canal	0.2	0.1	0.5	0.0	-0.2	0.0	0.0	0.3	0.2	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.1	0.1	-0.7	-0.4	-0.7	2.0	3.9	3.5	1.9	2.1	-0.1	0.2
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.2	0.4	1.4	1.1	0.4	0.2	-0.1	-0.1	0.0	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.5	1.0	-0.5	0.1	0.0	1.4	0.5	0.3	-0.1	-0.1	0.0	0.6
USGS 07380335 - Little Lake Near Cutoff	0.6	1.1	-0.8	0.4	-0.2	0.8	0.0	0.3	-0.2	-0.1	-0.2	0.6
USGS073802516 Barataria Pass at Grand Isle	0.3	0.5	-0.6	1.1	1.2	0.7	-0.1	0.2	0.0	-0.1	0.0	0.2
HWQ14 - Lake Washington	0.0	0.1	-0.4	0.9	0.7	0.6	0.3	0.0	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.3	0.5	0.5	0.9	0.5	0.3	0.0	-0.6	0.0	-0.5	-0.1	0.1
CRMS 3985	0.0	0.0	0.1	0.7	0.6	0.4	0.1	0.1	0.1	-0.2	0.0	0.0
CRMS 0258	0.1	0.3	-0.2	0.5	1.5	0.4	0.2	0.0	-0.3	-0.1	0.1	0.2
CRMS 0224	0.3	0.7	-0.5	1.6	3.5	0.9	-0.3	-0.7	-1.0	-0.4	-0.2	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.2	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 7 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.1	8.9	7.8	6.4	6.3	6.1	6.4	7.8	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.4	9.6	9.9	10.2	8.6	7.9	7.3	6.1	7.6	10.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.6	11.7	12.5	10.6	9.4	9.4	9.6	11.1	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	9.9	9.8	8.7	7.6	6.5	6.5	6.4	6.5	8.0	9.8	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.8	6.7	6.6	6.3	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.3	9.1	8.0	6.4	6.0	5.4	6.0	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.4	8.3	7.1	6.6	5.9	6.2	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.5	7.6	7.5	7.0	6.8	8.7	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.2	7.1	6.7	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.7	8.8	8.3	7.1	6.6	6.9	8.7	6.5	8.0	8.9	8.4
CRMS 3985	11.0	10.2	9.8	9.0	7.7	6.5	6.1	5.7	6.1	7.5	9.5	9.3
CRMS 0258	10.9	10.2	9.8	9.8	9.6	7.1	6.9	6.8	6.8	8.0	9.8	9.7
CRMS 0224	10.6	9.3	9.9	8.7	7.5	6.3	6.1	5.7	6.2	7.9	9.1	8.9
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.2	7.7	9.3	10.7	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.0	6.9	6.8	5.6	7.8	9.0	9.3

V3PR3 HYST - cy 0 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.5	9.4	8.9	8.0	9.5	9.8	11.3	10.5	9.3	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.5	10.0	10.2	10.1	8.8	8.0	7.3	6.2	7.4	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.7	11.7	12.3	10.5	9.4	9.4	9.5	11.0	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.6	10.0	10.0	8.8	9.8	10.6	10.4	9.4	10.5	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	10.0	9.5	9.2	7.2	6.6	6.3	6.7	7.9	9.6	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.5	10.5	9.6	9.8	7.0	6.2	5.5	6.1	7.6	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.2	10.3	11.2	10.0	9.7	7.4	6.7	5.9	6.0	7.4	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.5	10.0	11.1	9.6	9.0	7.6	7.5	7.0	6.7	8.5	9.5	9.3
HWQ14 - Lake Washington	10.9	10.1	10.7	9.5	8.3	7.2	6.6	6.1	6.4	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	8.9	8.4	7.6	6.6	6.6	8.2	6.4	7.8	8.9	8.2
CRMS 3985	11.0	10.2	9.8	8.9	7.8	6.6	6.0	5.8	6.2	7.5	9.5	9.3
CRMS 0258	11.1	10.5	10.3	10.2	10.7	7.6	7.5	7.3	6.7	8.1	9.8	9.9
CRMS 0224	10.7	10.0	10.8	9.5	9.7	7.0	6.6	5.9	5.7	7.5	9.0	9.5
CRMS 0163	10.9	10.4	10.0	9.6	10.3	9.9	8.2	7.7	9.4	10.8	9.5	9.6
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.1	6.9	6.8	5.5	7.8	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.7	-0.7	0.0	0.1	3.1	3.4	5.2	4.1	1.5	-0.6	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.4	0.3	-0.1	0.2	0.1	0.1	0.0	-0.1	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.7	0.2	1.3	1.2	3.3	4.2	4.1	2.9	2.5	0.2	0.4
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.2	0.0	0.4	1.4	0.4	0.0	0.0	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.8	0.3	0.5	1.9	0.6	0.1	0.1	0.1	0.0	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	0.9	0.8	0.6	1.4	0.3	0.2	0.0	-0.1	0.0	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.4	0.6	0.4	0.6	0.1	0.0	0.0	-0.1	-0.1	0.0	0.1
HWQ14 - Lake Washington	0.0	0.1	0.3	0.3	0.1	0.1	-0.1	-0.1	0.0	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.3	0.0	0.1	0.5	0.0	-0.2	-0.4	-0.1	-0.2	0.0	-0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	0.2	0.1	0.0	0.0	0.0
CRMS 0258	0.2	0.4	0.5	0.4	1.0	0.5	0.6	0.5	-0.1	0.1	0.1	0.2
CRMS 0224	0.1	0.7	0.9	0.8	2.2	0.7	0.5	0.2	-0.5	-0.4	0.0	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0

Figure WQ DO 8 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.3	10.3	9.3	8.3	7.3	7.5	7.8	7.4	8.4	10.0	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.1	10.0	10.7	10.1	9.0	9.0	8.1	7.6	9.7	9.5
Barataria Waterway at Lafitte (USACE82875)	11.1	10.4	10.0	11.1	13.1	12.1	11.5	11.0	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.2	10.2	9.2	8.5	7.9	7.8	7.8	8.1	8.8	10.1	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.8	6.5	6.7	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.0	7.9	6.4	6.2	5.8	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.6	10.6	9.5	8.3	7.0	6.4	6.8	6.3	7.9	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	10.6	9.3	8.6	7.7	7.5	8.0	7.3	8.9	9.5	9.0
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	8.0	7.0	6.8	6.2	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.8	8.2	7.3	6.7	6.2	5.6	6.0	6.8	9.1	9.2
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	6.3	5.9	6.2	7.5	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.7	10.5	10.9	11.3	8.6	9.0	9.5	9.4
CRMS 0224	10.7	9.7	10.4	9.5	8.7	8.2	8.2	8.1	8.2	9.0	9.3	8.9
CRMS 0163	11.2	10.6	10.0	9.1	9.0	10.0	11.2	11.0	10.7	10.9	9.5	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.6	6.8	6.3	6.6	6.9	7.9	9.0	9.3

V3PR3 HYST - cy 0 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.4	8.9	8.6	8.3	7.6	6.9	6.7	8.9	10.0	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.1	9.8	10.5	10.2	10.5	9.9	9.3	9.7	8.0	7.6	9.8	9.3
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.0	11.1	13.1	12.0	11.4	10.9	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	10.1	9.6	9.0	8.1	6.9	6.6	8.5	9.9	10.7	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.8	9.3	8.4	7.8	7.4	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.6	10.0	9.5	8.9	8.3	8.2	8.0	6.4	7.7	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.0	10.6	10.1	10.4	9.0	8.3	7.4	7.1	6.1	7.6	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	10.8	10.2	10.2	10.5	10.0	8.8	8.4	8.6	7.3	8.6	9.5	9.1
HWQ14 - Lake Washington	10.9	10.1	10.0	10.1	8.5	7.5	6.8	6.2	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.3	9.5	9.4	9.1	8.0	7.2	6.5	6.0	5.9	6.7	9.1	8.9
CRMS 3985	11.0	10.2	9.7	9.2	8.1	6.9	5.9	5.6	6.3	7.5	9.5	9.4
CRMS 0258	11.6	10.7	10.3	11.2	12.3	11.8	11.9	11.6	8.5	8.9	9.6	9.8
CRMS 0224	11.3	10.4	10.1	11.2	11.9	11.5	11.5	10.0	7.7	8.7	9.2	9.7
CRMS 0163	11.2	10.6	10.0	9.2	9.1	9.9	11.1	11.0	10.7	10.9	9.5	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.7	6.9	6.3	6.6	6.9	7.9	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-1.4	-1.7	-1.1	-0.7	-0.3	-0.8	1.1	2.5	0.8	-0.6	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.4	0.1	-0.2	-0.1	0.3	0.7	-0.1	0.0	0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.5	-0.1	-0.6	-0.2	-0.4	-0.9	-1.2	0.6	1.9	1.9	-0.1	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.1	0.8	1.8	1.8	1.0	1.0	-0.1	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.9	-0.3	0.4	1.0	1.9	2.0	2.2	0.1	-0.1	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	0.9	1.0	-0.5	0.9	0.6	1.2	1.0	0.2	-0.2	-0.3	-0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.4	0.5	-0.4	1.2	1.4	1.1	0.9	0.6	0.1	-0.3	-0.1	0.1
HWQ14 - Lake Washington	0.0	0.1	-0.4	1.1	0.6	0.5	0.0	0.0	-0.1	-0.2	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.5	0.5	0.5	0.9	0.7	0.5	0.3	0.4	-0.1	-0.1	-0.1	-0.4
CRMS 3985	0.0	0.0	0.0	0.6	0.7	0.4	-0.4	-0.3	0.1	-0.1	0.0	0.0
CRMS 0258	0.3	0.3	-0.1	0.6	1.6	1.3	1.0	0.2	-0.1	-0.1	0.1	0.4
CRMS 0224	0.6	0.7	-0.3	1.7	3.2	3.4	3.3	1.9	-0.5	-0.3	-0.1	0.7
CRMS 0163	0.0	0.0	0.0	0.0	0.1	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 9 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.3	8.3	7.3	7.5	7.7	7.3	8.4	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.3	9.8	9.9	10.6	10.5	9.3	8.9	7.9	7.7	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.8	11.6	11.7	10.8	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.3	8.6	8.1	7.9	7.9	8.1	8.9	10.1	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.0	7.5	6.5	6.3	6.2	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.2	9.1	7.9	6.5	6.0	5.6	6.2	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.3	10.4	9.6	8.4	7.2	6.6	6.7	6.3	7.8	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.4	8.8	8.0	7.9	7.8	6.9	8.8	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	6.9	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.6	8.3	7.5	6.7	6.2	5.7	6.0	7.4	9.2	8.4
CRMS 3985	11.0	10.2	9.8	8.8	7.4	6.4	5.9	5.8	6.3	7.6	9.5	9.3
CRMS 0258	11.0	9.8	10.2	10.6	10.7	10.6	11.0	10.9	8.1	9.0	9.6	10.0
CRMS 0224	10.7	9.5	10.2	9.5	8.9	8.4	8.3	8.3	8.2	9.0	9.3	9.0
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.2	11.2	10.6	10.7	10.8	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.5	6.3	6.8	6.9	7.9	9.1	9.3

V3PR3 HYST - cy 0 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.6	8.2	7.7	6.9	6.7	10.2	10.0	9.3	9.4	8.6
CRMS0276 - Just east of Wilkinson Canal	9.7	9.1	10.0	9.9	10.3	9.9	9.6	9.4	7.8	7.6	9.4	9.2
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.9	11.7	11.5	10.7	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.6	9.6	8.9	7.8	6.7	6.6	11.2	9.9	10.7	10.0	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.7	8.9	8.5	7.9	6.7	6.6	7.8	9.5	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	9.8	9.9	9.4	7.9	7.0	8.0	6.7	6.2	7.7	9.0	9.8
USGS 07380335 - Little Lake Near Cutoff	10.2	9.6	9.9	10.3	8.1	7.0	7.3	6.6	6.1	7.5	8.8	9.7
USGS073802516 Barataria Pass at Grand Isle	10.5	9.7	10.1	10.4	10.0	9.2	8.6	8.4	7.3	8.6	9.4	9.4
HWQ14 - Lake Washington	10.9	10.1	10.1	10.0	8.7	7.6	6.8	6.3	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.4	9.2	8.0	7.0	6.6	5.7	5.9	7.2	9.2	8.8
CRMS 3985	11.0	10.2	9.8	9.2	7.9	6.6	5.9	5.8	6.3	7.4	9.5	9.3
CRMS 0258	11.2	10.1	10.2	11.2	12.3	12.8	12.0	10.9	7.8	8.8	9.7	10.2
CRMS 0224	10.8	9.7	10.0	11.2	12.6	12.3	11.8	9.0	7.7	8.8	9.2	9.8
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.4	11.1	10.6	10.7	10.8	9.5	9.8
CRMS 0162	10.5	9.5	9.3	8.6	7.5	6.5	6.4	6.8	6.9	7.9	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	0.2	-1.6	-1.0	-0.6	-0.4	-0.8	2.5	2.7	1.0	-0.6	-1.3
CRMS0276 - Just east of Wilkinson Canal	0.1	-0.2	0.2	0.0	-0.3	-0.6	0.3	0.6	0.0	-0.1	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.5	-0.5	-0.4	-0.8	-1.3	-1.4	3.3	1.8	1.9	-0.1	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.7	1.4	2.0	1.6	0.5	-0.1	-0.1	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.1	0.2	-0.3	0.3	0.0	0.5	1.9	1.1	0.0	-0.1	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.4	0.7	-0.2	-0.2	0.7	-0.1	-0.2	-0.2	-0.2	1.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.1	-0.4	1.0	1.2	1.1	0.7	0.6	0.3	-0.2	0.0	0.3
HWQ14 - Lake Washington	0.0	0.0	-0.3	1.0	0.8	0.7	0.4	0.2	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	-0.3	0.9	0.5	0.3	0.4	0.0	-0.1	-0.3	0.0	0.3
CRMS 3985	0.0	0.0	0.0	0.4	0.5	0.3	0.1	0.0	0.0	-0.2	0.0	0.0
CRMS 0258	0.1	0.3	0.0	0.6	1.6	2.2	1.1	0.1	-0.3	-0.1	0.1	0.2
CRMS 0224	0.1	0.2	-0.2	1.7	3.7	3.9	3.5	0.7	-0.6	-0.2	-0.1	0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 10 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.1	10.2	9.1	7.9	6.9	6.8	6.5	6.6	7.9	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.2	9.7	10.2	10.6	9.8	8.5	7.3	6.8	7.5	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.2	11.6	12.9	11.8	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	9.9	8.9	7.9	7.2	7.1	6.9	7.1	8.3	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.5	6.6	6.7	6.3	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.8	6.4	6.1	5.5	6.1	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.5	8.3	7.0	6.5	6.1	6.2	7.5	8.9	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.6	7.6	7.5	7.4	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.0	7.0	6.8	6.3	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.6	8.7	8.1	7.4	6.7	6.1	8.2	6.4	7.6	8.9	8.4
CRMS 3985	11.0	10.2	9.7	8.9	7.5	6.4	6.3	5.7	6.1	7.6	9.5	9.3
CRMS 0258	11.1	10.1	10.2	10.2	10.2	10.2	8.3	7.3	7.1	8.6	9.5	9.1
CRMS 0224	10.6	9.4	10.0	8.8	8.0	7.1	6.9	6.0	6.5	8.1	9.1	8.8
CRMS 0163	11.1	10.4	10.0	9.3	8.5	10.3	9.0	8.6	9.9	10.8	9.5	9.6
CRMS 0162	10.5	9.6	9.4	8.6	7.5	6.9	6.7	7.2	6.3	7.9	9.1	9.3

V3PR4 HYST - cy 0 - 1970 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.2	9.7	8.7	8.2	7.6	6.9	9.3	11.1	10.4	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.1	9.3	10.6	10.5	10.5	9.8	8.8	7.9	6.8	7.4	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	10.2	11.6	13.1	11.6	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.4	9.6	8.8	7.7	6.9	11.8	11.3	10.1	10.8	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.3	10.0	9.8	8.6	8.8	6.8	6.3	6.5	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.3	10.1	9.6	7.9	8.7	7.0	5.7	6.0	7.6	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.7	10.0	10.2	10.4	8.2	8.9	6.9	6.3	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.7	9.8	10.4	10.3	10.2	9.0	8.0	7.3	6.8	8.6	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.3	9.9	8.9	7.7	6.9	6.2	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.0	8.9	9.4	9.1	8.3	7.4	6.1	7.2	6.2	7.2	8.6	8.3
CRMS 3985	11.0	10.2	9.8	9.4	8.5	7.0	6.1	5.8	6.3	7.5	9.5	9.3
CRMS 0258	11.4	10.4	10.3	10.9	12.5	11.8	9.2	8.1	7.4	8.9	9.6	9.7
CRMS 0224	11.0	9.9	10.0	11.1	12.8	11.0	8.5	6.4	5.8	7.7	9.0	9.4
CRMS 0163	11.1	10.4	10.0	9.3	8.7	10.6	9.1	8.7	9.8	10.9	9.6	9.6
CRMS 0162	10.5	9.5	9.4	8.5	7.6	6.9	6.7	7.1	6.3	7.8	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-0.5	-1.5	-0.9	-0.4	0.0	2.4	4.6	3.7	1.3	-0.5	0.0
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	1.0	0.3	-0.1	0.1	0.3	0.6	0.0	-0.1	-0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.3	0.4	-0.4	-0.1	-0.2	-0.3	4.7	4.4	3.1	2.5	0.1	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.2	0.0	0.6	1.1	2.2	0.1	0.0	-0.2	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.6	-0.2	0.5	0.0	2.3	0.9	0.2	-0.1	0.0	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.6	0.6	-0.3	0.9	-0.1	1.9	0.4	0.2	-0.2	-0.1	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.3	0.2	-0.1	1.0	1.6	1.4	0.5	-0.1	-0.2	-0.2	0.0	0.1
HWQ14 - Lake Washington	0.0	0.0	-0.2	0.7	1.0	0.7	0.1	-0.1	-0.1	-0.2	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.4	0.3	0.7	1.1	0.9	0.6	0.0	-1.0	-0.1	-0.5	-0.2	-0.1
CRMS 3985	0.0	0.0	0.0	0.4	1.0	0.5	-0.1	0.1	0.1	-0.1	0.0	0.0
CRMS 0258	0.3	0.3	0.0	0.7	2.3	1.6	1.0	0.9	0.3	0.3	0.1	0.6
CRMS 0224	0.4	0.5	0.0	2.3	4.8	3.9	1.6	0.3	-0.7	-0.4	-0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.1	0.0	0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Figure WQ DO 11 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.2	10.3	9.3	8.3	7.3	7.0	6.9	6.9	8.1	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.8	9.8	10.7	9.8	8.8	8.0	7.0	7.8	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.4	12.1	11.3	10.6	10.4	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.2	8.5	7.9	7.7	7.6	7.8	8.7	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.2	6.2	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.9	6.5	6.0	5.5	6.1	7.7	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	10.7	9.6	8.4	7.3	6.8	6.2	6.2	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.7	9.5	8.8	7.8	7.8	7.4	6.9	8.7	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.9	8.9	8.5	7.6	6.6	6.0	7.0	6.1	8.3	9.3	8.5
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	5.8	6.2	7.6	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.8	9.9	9.0	8.2	8.0	8.8	9.5	9.8
CRMS 0224	10.7	9.6	10.4	9.6	8.9	8.3	8.1	7.9	7.9	8.8	9.2	8.9
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.1	9.9	9.7	10.3	10.3	9.5	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.6	9.0	9.3

V3PR4 HYST - cy 0 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	8.8	8.4	8.1	7.6	9.4	9.5	10.8	10.2	9.4	9.4	9.0
CRMS0276 - Just east of Wilkinson Canal	9.9	9.8	10.3	10.0	10.6	9.8	8.9	8.4	7.2	7.7	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.6	12.1	11.3	10.6	10.5	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	9.0	8.6	7.6	10.2	12.7	11.9	10.3	10.9	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.7	9.0	8.0	7.7	6.7	6.4	6.6	7.8	9.5	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.6	9.7	8.9	7.6	7.9	6.5	5.7	6.0	7.6	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	10.8	10.7	9.9	9.2	7.7	8.1	6.9	6.5	6.0	7.4	8.9	9.3
USGS073802516 Barataria Pass at Grand Isle	10.7	10.2	9.8	11.0	10.2	8.9	7.7	7.5	6.9	8.5	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	9.8	10.0	8.9	7.8	6.8	6.2	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.9	9.6	9.5	9.5	8.1	7.0	6.1	6.3	6.0	7.8	9.1	8.7
CRMS 3985	11.0	10.3	9.8	9.5	8.6	6.9	6.1	5.9	6.3	7.4	9.5	9.3
CRMS 0258	11.4	10.8	10.2	10.0	12.1	10.3	9.1	8.1	7.4	8.5	9.5	10.0
CRMS 0224	11.1	10.5	10.0	11.2	13.0	9.4	7.7	7.1	6.8	8.3	9.1	9.7
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.3	9.9	9.7	10.3	10.2	9.5	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.6	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.4	-1.5	-1.9	-1.1	-0.7	2.1	2.5	4.0	3.3	1.3	-0.5	-0.8
CRMS0276 - Just east of Wilkinson Canal	0.2	0.2	0.5	0.2	-0.1	0.1	0.0	0.4	0.2	-0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.3	-0.4	-1.1	-0.7	-0.9	2.3	4.9	4.3	2.4	2.2	-0.1	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.3	0.0	0.4	1.1	0.5	0.2	-0.1	-0.1	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.9	-0.6	-0.2	-0.4	1.3	0.5	0.3	-0.1	-0.1	0.0	0.6
USGS 07380335 - Little Lake Near Cutoff	0.7	1.2	-0.8	-0.3	-0.7	0.9	0.1	0.3	-0.2	-0.2	-0.2	0.7
USGS073802516 Barataria Pass at Grand Isle	0.3	0.6	-0.8	1.5	1.4	1.1	0.0	0.2	0.0	-0.2	-0.1	0.2
HWQ14 - Lake Washington	0.0	0.1	-0.5	1.0	0.9	0.8	0.3	0.1	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.3	0.7	0.6	1.0	0.5	0.4	0.0	-0.7	-0.1	-0.5	-0.2	0.2
CRMS 3985	0.0	0.1	0.1	0.9	1.2	0.5	0.2	0.1	0.1	-0.2	0.0	0.0
CRMS 0258	0.1	0.4	-0.2	-0.7	1.4	0.4	0.2	-0.1	-0.6	-0.3	0.0	0.1
CRMS 0224	0.4	0.9	-0.5	1.6	4.1	1.2	-0.3	-0.8	-1.1	-0.5	-0.2	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	-0.2	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 12 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.1	8.9	7.8	6.4	6.3	6.1	6.4	7.8	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.4	9.6	9.9	10.2	8.6	7.9	7.3	6.1	7.6	10.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.6	11.7	12.5	10.6	9.4	9.4	9.6	11.1	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	9.9	9.8	8.7	7.6	6.5	6.5	6.4	6.5	8.0	9.8	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.8	6.7	6.6	6.3	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.3	9.1	8.0	6.4	6.0	5.4	6.0	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.4	8.3	7.1	6.6	5.9	6.2	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.5	7.6	7.5	7.0	6.8	8.7	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.2	7.1	6.7	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.7	8.8	8.3	7.1	6.6	6.9	8.7	6.5	8.0	8.9	8.4
CRMS 3985	11.0	10.2	9.8	9.0	7.7	6.5	6.1	5.7	6.1	7.5	9.5	9.3
CRMS 0258	10.9	10.2	9.8	9.8	9.6	7.1	6.9	6.8	6.8	8.0	9.8	9.7
CRMS 0224	10.6	9.3	9.9	8.7	7.5	6.3	6.1	5.7	6.2	7.9	9.1	8.9
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.2	7.7	9.3	10.7	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.0	6.9	6.8	5.6	7.8	9.0	9.3

V3PR4 HYST - cy 0 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.4	9.3	8.9	8.0	9.6	9.7	11.4	10.5	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	10.1	10.2	10.0	8.8	8.0	7.4	6.2	7.4	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.7	11.7	12.3	10.6	9.4	9.4	9.6	11.0	10.9	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.3	9.9	9.8	8.4	10.5	11.4	11.1	10.1	10.6	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	9.9	9.4	9.4	7.2	6.6	6.3	6.7	7.9	9.6	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	10.6	10.4	9.6	9.7	7.1	6.2	5.5	6.1	7.6	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.3	10.4	11.2	10.1	10.1	7.5	6.8	6.0	6.0	7.4	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.5	10.1	11.2	9.9	9.4	7.7	7.5	7.0	6.8	8.6	9.5	9.3
HWQ14 - Lake Washington	10.9	10.1	10.7	9.8	8.4	7.2	6.6	6.2	6.4	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.1	9.0	8.4	7.7	6.6	6.6	8.5	6.4	7.7	8.7	8.2
CRMS 3985	11.0	10.2	9.7	8.9	7.8	6.6	6.0	5.8	6.2	7.5	9.5	9.3
CRMS 0258	11.1	10.6	10.3	10.2	10.9	7.7	7.6	7.4	6.7	8.1	9.9	9.9
CRMS 0224	10.7	10.1	10.8	9.6	10.3	7.1	6.7	5.9	5.7	7.6	9.0	9.5
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.3	7.9	9.5	10.7	9.6	9.7
CRMS 0162	10.5	9.9	9.5	8.6	7.7	7.1	6.9	6.7	5.5	7.8	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.5	-0.8	-0.8	-0.1	0.1	3.2	3.4	5.2	4.1	1.4	-0.6	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.4	0.3	-0.1	0.2	0.1	0.1	0.0	-0.1	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	-0.2	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.4	0.1	1.1	0.8	4.0	5.0	4.7	3.6	2.7	0.2	0.4
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.2	0.0	0.4	1.6	0.5	0.0	0.0	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.9	0.1	0.5	1.7	0.7	0.2	0.1	0.1	0.0	0.1	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	1.0	0.8	0.6	1.8	0.4	0.2	0.1	-0.1	0.0	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.7	0.6	0.9	0.1	-0.1	-0.1	0.0	-0.1	0.0	0.1
HWQ14 - Lake Washington	0.0	0.1	0.3	0.5	0.2	0.2	-0.1	0.0	0.0	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.4	0.1	0.2	0.6	0.0	-0.2	-0.2	-0.1	-0.3	-0.2	-0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	0.2	0.1	0.0	0.0	0.0
CRMS 0258	0.2	0.4	0.4	0.4	1.3	0.6	0.7	0.6	-0.1	0.2	0.1	0.1
CRMS 0224	0.1	0.8	0.9	0.9	2.8	0.8	0.6	0.2	-0.5	-0.4	0.0	0.6
CRMS 0163	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.2	0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	0.0	0.0	0.0

Figure WQ DO 13 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.3	10.3	9.3	8.3	7.3	7.5	7.8	7.4	8.4	10.0	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.1	10.0	10.7	10.1	9.0	9.0	8.1	7.6	9.7	9.5
Barataria Waterway at Lafitte (USACE82875)	11.1	10.4	10.0	11.1	13.1	12.1	11.5	11.0	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.2	10.2	9.2	8.5	7.9	7.8	7.8	8.1	8.8	10.1	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.8	6.5	6.7	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.0	7.9	6.4	6.2	5.8	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.6	10.6	9.5	8.3	7.0	6.4	6.8	6.3	7.9	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	10.6	9.3	8.6	7.7	7.5	8.0	7.3	8.9	9.5	9.0
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	8.0	7.0	6.8	6.2	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.8	8.2	7.3	6.7	6.2	5.6	6.0	6.8	9.1	9.2
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	6.3	5.9	6.2	7.5	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.7	10.5	10.9	11.3	8.6	9.0	9.5	9.4
CRMS 0224	10.7	9.7	10.4	9.5	8.7	8.2	8.2	8.1	8.2	9.0	9.3	8.9
CRMS 0163	11.2	10.6	10.0	9.1	9.0	10.0	11.2	11.0	10.7	10.9	9.5	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.6	6.8	6.3	6.6	6.9	7.9	9.0	9.3

V3PR4 HYST - cy 0 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	8.7	8.5	8.2	7.6	6.9	6.6	9.0	10.1	9.3	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.3	9.9	10.5	10.2	10.6	10.2	9.9	10.0	8.0	7.5	9.7	9.3
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.0	11.2	13.1	11.9	11.4	10.9	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	10.4	9.6	9.3	8.7	7.8	6.8	6.5	8.5	10.4	11.0	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.8	9.3	8.9	9.0	8.4	7.7	6.6	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.6	9.9	9.1	8.4	7.5	7.2	7.7	6.4	7.7	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.2	10.7	10.0	9.6	8.7	7.6	7.0	7.1	6.2	7.5	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	10.9	10.3	10.0	11.0	10.4	9.4	8.7	8.9	7.4	8.5	9.5	9.1
HWQ14 - Lake Washington	10.9	10.2	9.9	10.1	8.8	7.8	6.9	6.4	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.5	9.8	9.5	9.5	8.3	7.4	6.7	6.1	5.9	6.7	9.1	8.8
CRMS 3985	11.0	10.3	9.7	9.5	8.3	7.0	5.9	5.5	6.3	7.4	9.5	9.3
CRMS 0258	11.6	10.8	10.2	10.3	12.7	13.4	14.1	12.1	8.4	8.8	9.6	9.8
CRMS 0224	11.3	10.6	10.0	11.1	12.9	12.8	13.1	10.5	7.7	8.7	9.2	9.6
CRMS 0163	11.2	10.6	10.0	9.2	9.1	10.0	11.1	11.0	10.7	11.0	9.5	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.7	6.9	6.3	6.6	6.9	8.0	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-1.6	-1.9	-1.1	-0.7	-0.4	-0.8	1.2	2.6	0.9	-0.6	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.5	0.2	0.4	0.2	-0.1	0.2	0.9	1.0	-0.1	0.0	0.0	-0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.0	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-0.6	-0.9	-0.5	-0.7	-1.0	-1.4	0.7	2.4	2.1	-0.1	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.1	0.3	1.4	2.4	1.6	1.2	-0.1	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.8	-0.4	0.1	0.5	1.0	1.0	1.9	0.1	-0.1	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	1.0	1.1	-0.6	0.1	0.4	0.6	0.6	0.3	-0.2	-0.4	-0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.5	0.6	-0.6	1.7	1.8	1.7	1.2	1.0	0.1	-0.3	-0.1	0.1
HWQ14 - Lake Washington	0.0	0.1	-0.5	1.1	0.8	0.8	0.2	0.1	-0.1	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.7	0.8	0.6	1.3	1.0	0.7	0.5	0.5	-0.1	-0.1	-0.1	-0.4
CRMS 3985	0.0	0.1	0.1	0.9	0.9	0.6	-0.4	-0.3	0.0	-0.1	0.0	0.0
CRMS 0258	0.3	0.4	-0.2	-0.3	2.1	3.0	3.2	0.7	-0.2	-0.1	0.1	0.4
CRMS 0224	0.6	0.9	-0.4	1.7	4.3	4.6	5.0	2.4	-0.5	-0.4	-0.1	0.7
CRMS 0163	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	0.0	0.0	0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 14 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.3	8.3	7.3	7.5	7.7	7.3	8.4	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.3	9.8	9.9	10.6	10.5	9.3	8.9	7.9	7.7	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.8	11.6	11.7	10.8	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.3	8.6	8.1	7.9	7.9	8.1	8.9	10.1	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.0	7.5	6.5	6.3	6.2	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.2	9.1	7.9	6.5	6.0	5.6	6.2	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.3	10.4	9.6	8.4	7.2	6.6	6.7	6.3	7.8	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.4	8.8	8.0	7.9	7.8	6.9	8.8	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	6.9	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.6	8.3	7.5	6.7	6.2	5.7	6.0	7.4	9.2	8.4
CRMS 3985	11.0	10.2	9.8	8.8	7.4	6.4	5.9	5.8	6.3	7.6	9.5	9.3
CRMS 0258	11.0	9.8	10.2	10.6	10.7	10.6	11.0	10.9	8.1	9.0	9.6	10.0
CRMS 0224	10.7	9.5	10.2	9.5	8.9	8.4	8.3	8.3	8.2	9.0	9.3	9.0
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.2	11.2	10.6	10.7	10.8	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.5	6.3	6.8	6.9	7.9	9.1	9.3

V3PR4 HYST - cy 0 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.5	8.1	7.7	7.0	6.6	10.3	10.1	9.4	9.3	8.4
CRMS0276 - Just east of Wilkinson Canal	9.7	9.1	10.0	10.0	10.5	9.9	10.2	9.5	7.9	7.6	9.4	9.4
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.9	11.8	11.5	10.7	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.6	9.3	8.6	7.7	6.7	6.5	11.9	10.4	10.9	9.9	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.8	9.2	7.9	7.8	8.4	6.7	6.6	7.8	9.5	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	9.8	9.8	9.0	7.5	6.5	7.0	6.9	6.3	7.7	9.0	9.8
USGS 07380335 - Little Lake Near Cutoff	10.2	9.6	9.9	9.5	7.6	6.5	6.8	6.9	6.1	7.5	8.8	9.8
USGS073802516 Barataria Pass at Grand Isle	10.5	9.7	9.9	10.9	10.1	9.3	8.9	8.6	7.3	8.6	9.4	9.5
HWQ14 - Lake Washington	10.9	10.1	10.0	10.0	8.7	7.9	7.0	6.4	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.4	9.5	8.1	7.0	6.7	5.7	5.9	7.1	9.2	8.9
CRMS 3985	11.0	10.2	9.8	9.5	8.5	6.9	5.9	5.7	6.3	7.4	9.5	9.4
CRMS 0258	11.2	10.0	10.2	10.1	11.8	13.9	13.9	11.0	7.7	8.8	9.6	10.2
CRMS 0224	10.8	9.7	10.0	11.0	13.0	12.9	13.4	9.1	7.6	8.7	9.2	9.9
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.5	11.0	10.7	10.7	10.8	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.5	6.4	6.7	7.0	7.9	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	0.2	-1.7	-1.1	-0.6	-0.4	-0.8	2.6	2.8	1.0	-0.7	-1.4
CRMS0276 - Just east of Wilkinson Canal	0.1	-0.1	0.2	0.1	-0.1	-0.6	0.9	0.7	0.0	-0.1	0.0	0.4
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.2	0.1	-0.2	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.5	-0.9	-0.6	-0.9	-1.3	-1.5	4.0	2.3	2.1	-0.1	-0.7
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.2	0.2	0.4	1.3	2.1	0.5	-0.1	-0.1	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.1	0.2	-0.4	0.0	-0.4	0.0	1.0	1.3	0.0	-0.1	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.5	-0.1	-0.7	-0.7	0.2	0.1	-0.2	-0.2	-0.2	1.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.1	-0.6	1.5	1.3	1.3	1.0	0.8	0.4	-0.2	0.0	0.4
HWQ14 - Lake Washington	0.0	0.0	-0.4	1.0	0.8	1.0	0.6	0.3	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	-0.2	1.2	0.6	0.3	0.6	0.0	-0.1	-0.3	-0.1	0.5
CRMS 3985	0.0	0.0	0.0	0.7	1.1	0.5	0.0	-0.1	0.0	-0.2	0.0	0.1
CRMS 0258	0.1	0.3	0.0	-0.5	1.1	3.3	2.9	0.2	-0.4	-0.2	0.1	0.2
CRMS 0224	0.1	0.2	-0.3	1.5	4.2	4.5	5.1	0.8	-0.7	-0.3	-0.1	0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	-0.2	0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 15 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.1	10.2	9.1	7.9	6.9	6.8	6.5	6.6	7.9	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.2	9.7	10.2	10.6	9.8	8.5	7.3	6.8	7.5	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.2	11.6	12.9	11.8	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	9.9	8.9	7.9	7.2	7.1	6.9	7.1	8.3	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.5	6.6	6.7	6.3	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.8	6.4	6.1	5.5	6.1	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.5	8.3	7.0	6.5	6.1	6.2	7.5	8.9	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.6	7.6	7.5	7.4	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.0	7.0	6.8	6.3	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.6	8.7	8.1	7.4	6.7	6.1	8.2	6.4	7.6	8.9	8.4
CRMS 3985	11.0	10.2	9.7	8.9	7.5	6.4	6.3	5.7	6.1	7.6	9.5	9.3
CRMS 0258	11.1	10.1	10.2	10.2	10.2	10.2	8.3	7.3	7.1	8.6	9.5	9.1
CRMS 0224	10.6	9.4	10.0	8.8	8.0	7.1	6.9	6.0	6.5	8.1	9.1	8.8
CRMS 0163	11.1	10.4	10.0	9.3	8.5	10.3	9.0	8.6	9.9	10.8	9.5	9.6
CRMS 0162	10.5	9.6	9.4	8.6	7.5	6.9	6.7	7.2	6.3	7.9	9.1	9.3

V3PR5 HYST - cy 0 - 1970 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.2	9.7	8.7	8.2	7.6	6.9	9.3	11.0	10.2	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.1	9.3	10.6	10.4	10.5	9.8	8.8	7.9	6.8	7.4	9.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	10.2	11.5	13.0	11.6	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.5	9.7	8.9	7.7	7.0	11.0	10.6	9.6	10.5	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.3	9.9	9.7	8.5	8.9	6.9	6.3	6.5	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.2	10.1	9.6	7.9	8.7	7.0	5.7	6.0	7.6	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.7	10.0	10.2	10.3	8.2	8.9	6.8	6.3	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.7	9.8	10.4	10.3	10.2	9.0	8.1	7.3	6.8	8.6	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.3	9.9	8.9	7.8	6.9	6.2	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.0	8.9	9.4	9.1	8.3	7.4	6.1	7.2	6.2	7.2	8.6	8.3
CRMS 3985	11.0	10.2	9.8	9.4	8.6	7.0	6.1	5.8	6.3	7.5	9.5	9.3
CRMS 0258	11.4	10.4	10.2	10.9	12.6	11.6	9.2	8.1	7.3	8.8	9.6	9.7
CRMS 0224	11.0	9.8	10.0	11.1	12.8	10.8	8.5	6.3	5.8	7.6	9.0	9.4
CRMS 0163	11.1	10.4	10.0	9.3	8.7	10.4	9.1	8.6	9.9	10.8	9.6	9.6
CRMS 0162	10.5	9.5	9.4	8.5	7.6	6.9	6.7	7.2	6.2	7.8	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-0.5	-1.5	-0.9	-0.4	0.0	2.5	4.5	3.6	1.3	-0.5	0.0
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.9	0.3	-0.1	0.0	0.3	0.5	0.0	-0.1	-0.2	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	-0.1	0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.2	0.5	-0.2	0.0	-0.2	-0.2	3.9	3.7	2.5	2.2	0.1	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.1	0.0	0.6	1.0	2.3	0.2	0.0	-0.1	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.6	-0.2	0.5	0.0	2.4	0.9	0.2	0.0	0.0	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	0.6	0.6	-0.3	0.9	-0.1	1.9	0.4	0.2	-0.2	-0.1	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.3	0.2	-0.1	1.1	1.6	1.4	0.5	-0.1	-0.2	-0.2	0.0	0.1
HWQ14 - Lake Washington	0.0	0.0	-0.2	0.7	1.0	0.7	0.1	-0.1	-0.1	-0.2	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.4	0.3	0.7	1.0	0.9	0.6	0.0	-1.1	-0.2	-0.4	-0.3	-0.1
CRMS 3985	0.0	0.0	0.0	0.5	1.1	0.5	-0.1	0.1	0.1	-0.1	0.0	0.0
CRMS 0258	0.3	0.3	0.0	0.7	2.4	1.4	1.0	0.9	0.2	0.2	0.1	0.6
CRMS 0224	0.4	0.4	0.0	2.2	4.8	3.6	1.6	0.3	-0.7	-0.5	-0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 16 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.2	10.3	9.3	8.3	7.3	7.0	6.9	6.9	8.1	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.8	9.8	10.7	9.8	8.8	8.0	7.0	7.8	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.4	12.1	11.3	10.6	10.4	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.2	8.5	7.9	7.7	7.6	7.8	8.7	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.2	6.2	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.9	6.5	6.0	5.5	6.1	7.7	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	10.7	9.6	8.4	7.3	6.8	6.2	6.2	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.7	9.5	8.8	7.8	7.8	7.4	6.9	8.7	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.9	8.9	8.5	7.6	6.6	6.0	7.0	6.1	8.3	9.3	8.5
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	5.8	6.2	7.6	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.8	9.9	9.0	8.2	8.0	8.8	9.5	9.8
CRMS 0224	10.7	9.6	10.4	9.6	8.9	8.3	8.1	7.9	7.9	8.8	9.2	8.9
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.1	9.9	9.7	10.3	10.3	9.5	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.6	9.0	9.3

V3PR5 HYST - cy 0 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	8.8	8.4	8.1	7.6	9.5	9.6	10.8	10.2	9.4	9.4	9.0
CRMS0276 - Just east of Wilkinson Canal	9.9	9.8	10.3	10.0	10.6	9.9	8.8	8.4	7.1	7.6	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.7	12.2	11.3	10.6	10.4	10.0	10.8	10.8	11.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.2	8.7	7.6	9.8	11.7	11.2	9.7	10.7	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.7	9.0	8.0	7.8	6.7	6.4	6.6	7.9	9.5	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.6	9.7	8.9	7.6	7.9	6.6	5.8	6.1	7.6	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	10.8	10.7	9.9	9.2	7.7	8.1	6.9	6.5	6.0	7.4	8.9	9.3
USGS073802516 Barataria Pass at Grand Isle	10.7	10.2	9.8	11.0	10.2	8.9	7.7	7.5	6.9	8.5	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	9.8	10.1	8.9	7.8	6.8	6.1	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.9	9.6	9.5	9.5	8.1	7.0	6.1	6.3	6.0	7.8	9.2	8.7
CRMS 3985	11.0	10.3	9.8	9.5	8.7	6.9	6.1	5.9	6.3	7.5	9.5	9.4
CRMS 0258	11.4	10.7	10.2	10.0	12.4	10.3	9.2	8.1	7.4	8.5	9.5	10.0
CRMS 0224	11.1	10.5	10.0	11.2	13.0	9.5	7.8	7.2	6.8	8.4	9.1	9.7
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.2	10.0	9.7	10.3	10.3	9.4	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.5	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.4	-1.5	-1.9	-1.2	-0.7	2.2	2.5	4.0	3.2	1.3	-0.5	-0.8
CRMS0276 - Just east of Wilkinson Canal	0.2	0.2	0.4	0.2	-0.2	0.1	0.0	0.4	0.1	-0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.2	-0.2	-1.0	-0.6	-0.9	1.9	4.0	3.6	1.9	2.0	-0.1	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.3	0.0	0.4	1.2	0.5	0.2	-0.1	-0.1	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.9	-0.6	-0.2	-0.4	1.4	0.6	0.3	-0.1	-0.1	0.0	0.6
USGS 07380335 - Little Lake Near Cutoff	0.7	1.2	-0.8	-0.3	-0.7	0.9	0.1	0.3	-0.2	-0.2	-0.2	0.7
USGS073802516 Barataria Pass at Grand Isle	0.3	0.6	-0.8	1.5	1.4	1.1	0.0	0.2	0.0	-0.1	-0.1	0.2
HWQ14 - Lake Washington	0.0	0.1	-0.5	1.0	0.9	0.8	0.3	0.0	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.3	0.7	0.6	1.0	0.5	0.4	0.1	-0.7	0.0	-0.5	-0.1	0.2
CRMS 3985	0.0	0.1	0.1	0.9	1.3	0.5	0.2	0.1	0.1	-0.1	0.0	0.0
CRMS 0258	0.1	0.3	-0.2	-0.6	1.6	0.4	0.2	-0.1	-0.6	-0.3	0.0	0.1
CRMS 0224	0.4	0.9	-0.5	1.7	4.1	1.2	-0.2	-0.7	-1.1	-0.4	-0.2	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ DO 17 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.1	8.9	7.8	6.4	6.3	6.1	6.4	7.8	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.4	9.6	9.9	10.2	8.6	7.9	7.3	6.1	7.6	10.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.6	11.7	12.5	10.6	9.4	9.4	9.6	11.1	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	9.9	9.8	8.7	7.6	6.5	6.5	6.4	6.5	8.0	9.8	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.8	6.7	6.6	6.3	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.3	9.1	8.0	6.4	6.0	5.4	6.0	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.4	8.3	7.1	6.6	5.9	6.2	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.5	7.6	7.5	7.0	6.8	8.7	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.2	7.1	6.7	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.7	8.8	8.3	7.1	6.6	6.9	8.7	6.5	8.0	8.9	8.4
CRMS 3985	11.0	10.2	9.8	9.0	7.7	6.5	6.1	5.7	6.1	7.5	9.5	9.3
CRMS 0258	10.9	10.2	9.8	9.8	9.6	7.1	6.9	6.8	6.8	8.0	9.8	9.7
CRMS 0224	10.6	9.3	9.9	8.7	7.5	6.3	6.1	5.7	6.2	7.9	9.1	8.9
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.2	7.7	9.3	10.7	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.0	6.9	6.8	5.6	7.8	9.0	9.3

V3PR5 HYST - cy 0 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.4	9.3	8.9	7.9	9.6	9.7	11.3	10.6	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	10.1	10.2	10.1	8.8	8.0	7.3	6.2	7.5	9.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.6	11.7	12.3	10.6	9.4	9.4	9.5	11.0	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.4	9.9	9.9	8.6	9.9	10.6	10.4	9.4	10.4	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	9.9	9.4	9.4	7.2	6.6	6.3	6.6	7.9	9.6	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	10.6	10.4	9.6	9.7	7.1	6.2	5.5	6.0	7.6	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.2	10.4	11.2	10.0	10.1	7.5	6.8	6.0	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.5	10.1	11.2	9.9	9.4	7.7	7.5	7.0	6.8	8.6	9.5	9.3
HWQ14 - Lake Washington	10.9	10.2	10.7	9.8	8.4	7.2	6.6	6.2	6.4	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.1	8.9	8.4	7.7	6.6	6.6	8.3	6.4	7.8	8.8	8.2
CRMS 3985	11.0	10.2	9.7	8.9	7.9	6.6	6.0	5.8	6.3	7.5	9.5	9.3
CRMS 0258	11.1	10.6	10.3	10.2	10.9	7.7	7.6	7.3	6.7	8.1	9.8	9.9
CRMS 0224	10.7	10.1	10.9	9.5	10.3	7.1	6.7	5.9	5.6	7.5	9.0	9.4
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.3	7.8	9.4	10.8	9.5	9.6
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.1	6.9	6.8	5.6	7.8	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.5	-0.8	-0.8	-0.1	0.1	3.2	3.4	5.2	4.2	1.4	-0.7	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.4	0.3	-0.1	0.2	0.1	0.1	0.0	-0.1	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.6	0.2	1.2	1.0	3.4	4.2	4.0	2.9	2.4	0.1	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.2	0.0	0.4	1.6	0.5	0.0	0.0	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.9	0.2	0.5	1.7	0.7	0.2	0.1	0.0	-0.1	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	1.0	0.8	0.6	1.8	0.4	0.2	0.1	-0.2	0.0	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.7	0.6	0.9	0.1	-0.1	0.0	0.0	-0.1	0.0	0.1
HWQ14 - Lake Washington	0.0	0.1	0.3	0.5	0.2	0.2	-0.1	0.0	0.0	-0.2	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.4	0.1	0.2	0.6	0.0	-0.3	-0.4	-0.1	-0.2	-0.1	-0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	0.2	0.2	0.0	0.0	0.0
CRMS 0258	0.2	0.4	0.4	0.4	1.3	0.6	0.7	0.6	-0.1	0.1	0.0	0.1
CRMS 0224	0.1	0.8	0.9	0.9	2.8	0.8	0.6	0.2	-0.6	-0.4	-0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.1	0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 18 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.3	10.3	9.3	8.3	7.3	7.5	7.8	7.4	8.4	10.0	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.1	10.0	10.7	10.1	9.0	9.0	8.1	7.6	9.7	9.5
Barataria Waterway at Lafitte (USACE82875)	11.1	10.4	10.0	11.1	13.1	12.1	11.5	11.0	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.2	10.2	9.2	8.5	7.9	7.8	7.8	8.1	8.8	10.1	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.8	6.5	6.7	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.0	7.9	6.4	6.2	5.8	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.6	10.6	9.5	8.3	7.0	6.4	6.8	6.3	7.9	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	10.6	9.3	8.6	7.7	7.5	8.0	7.3	8.9	9.5	9.0
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	8.0	7.0	6.8	6.2	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.8	8.2	7.3	6.7	6.2	5.6	6.0	6.8	9.1	9.2
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	6.3	5.9	6.2	7.5	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.7	10.5	10.9	11.3	8.6	9.0	9.5	9.4
CRMS 0224	10.7	9.7	10.4	9.5	8.7	8.2	8.2	8.1	8.2	9.0	9.3	8.9
CRMS 0163	11.2	10.6	10.0	9.1	9.0	10.0	11.2	11.0	10.7	10.9	9.5	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.6	6.8	6.3	6.6	6.9	7.9	9.0	9.3

V3PR5 HYST - cy 0 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	8.7	8.5	8.2	7.6	6.9	6.6	9.0	10.0	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.3	9.9	10.5	10.3	10.6	10.2	9.9	10.0	8.0	7.5	9.7	9.3
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.0	11.1	13.1	11.9	11.3	10.9	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	9.4	8.9	7.8	6.8	6.5	8.4	10.0	10.7	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.8	9.2	8.8	8.9	8.4	7.7	6.6	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.6	9.9	9.1	8.4	7.4	7.1	7.6	6.4	7.7	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.2	10.7	10.0	9.6	8.7	7.6	7.0	7.1	6.1	7.5	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	10.9	10.3	10.0	11.0	10.3	9.4	8.7	8.9	7.4	8.6	9.5	9.1
HWQ14 - Lake Washington	10.9	10.2	9.9	10.2	8.8	7.8	6.9	6.3	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.5	9.8	9.5	9.5	8.2	7.4	6.7	6.1	5.9	6.7	9.0	8.8
CRMS 3985	11.0	10.3	9.7	9.6	8.3	7.0	5.9	5.5	6.3	7.4	9.5	9.3
CRMS 0258	11.6	10.8	10.2	10.4	12.8	13.2	13.7	11.9	8.4	8.8	9.6	9.8
CRMS 0224	11.3	10.6	10.0	11.1	12.9	12.7	13.0	10.5	7.7	8.7	9.2	9.7
CRMS 0163	11.2	10.6	10.1	9.2	9.1	10.0	11.0	11.0	10.7	10.9	9.4	9.5
CRMS 0162	10.6	9.8	9.4	8.6	7.6	6.9	6.3	6.5	6.9	7.9	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-1.6	-1.9	-1.1	-0.7	-0.4	-0.9	1.2	2.5	0.8	-0.6	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.5	0.2	0.3	0.2	-0.1	0.1	0.9	1.0	-0.1	-0.1	0.1	-0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.2	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.8	-0.4	-0.8	-0.4	-0.7	-1.0	-1.3	0.6	1.9	1.9	-0.1	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.2	0.3	1.3	2.4	1.6	1.2	-0.1	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.8	-0.4	0.1	0.5	1.0	1.0	1.9	0.1	-0.1	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	1.0	1.1	-0.6	0.1	0.3	0.6	0.6	0.3	-0.2	-0.4	-0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.5	0.6	-0.6	1.7	1.8	1.7	1.2	0.9	0.1	-0.3	-0.1	0.1
HWQ14 - Lake Washington	0.0	0.1	-0.5	1.2	0.8	0.8	0.2	0.1	-0.1	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.7	0.8	0.6	1.3	1.0	0.6	0.5	0.5	-0.1	-0.1	-0.1	-0.4
CRMS 3985	0.0	0.1	0.1	0.9	0.9	0.5	-0.4	-0.4	0.0	-0.1	0.0	0.0
CRMS 0258	0.3	0.4	-0.2	-0.2	2.1	2.8	2.8	0.6	-0.2	-0.2	0.1	0.4
CRMS 0224	0.6	0.9	-0.4	1.7	4.2	4.6	4.8	2.3	-0.5	-0.3	-0.1	0.7
CRMS 0163	0.0	0.0	0.0	0.1	0.2	0.0	-0.2	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 19 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.3	8.3	7.3	7.5	7.7	7.3	8.4	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.3	9.8	9.9	10.6	10.5	9.3	8.9	7.9	7.7	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.8	11.6	11.7	10.8	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.3	8.6	8.1	7.9	7.9	8.1	8.9	10.1	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.0	7.5	6.5	6.3	6.2	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.2	9.1	7.9	6.5	6.0	5.6	6.2	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.3	10.4	9.6	8.4	7.2	6.6	6.7	6.3	7.8	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.4	8.8	8.0	7.9	7.8	6.9	8.8	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	6.9	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.6	8.3	7.5	6.7	6.2	5.7	6.0	7.4	9.2	8.4
CRMS 3985	11.0	10.2	9.8	8.8	7.4	6.4	5.9	5.8	6.3	7.6	9.5	9.3
CRMS 0258	11.0	9.8	10.2	10.6	10.7	10.6	11.0	10.9	8.1	9.0	9.6	10.0
CRMS 0224	10.7	9.5	10.2	9.5	8.9	8.4	8.3	8.3	8.2	9.0	9.3	9.0
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.2	11.2	10.6	10.7	10.8	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.5	6.3	6.8	6.9	7.9	9.1	9.3

V3PR5 HYST - cy 0 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.5	8.1	7.7	7.0	6.6	10.3	10.0	9.3	9.3	8.4
CRMS0276 - Just east of Wilkinson Canal	9.7	9.1	10.0	10.0	10.5	9.9	10.2	9.6	7.8	7.6	9.4	9.4
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.9	11.8	11.5	10.7	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.5	9.4	8.7	7.7	6.7	6.5	11.3	9.9	10.7	9.9	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.8	9.1	7.9	7.8	8.4	6.8	6.6	7.8	9.4	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	9.8	9.8	9.0	7.5	6.5	7.0	6.9	6.3	7.7	9.0	9.8
USGS 07380335 - Little Lake Near Cutoff	10.2	9.6	9.9	9.5	7.6	6.5	6.9	6.9	6.1	7.5	8.9	9.8
USGS073802516 Barataria Pass at Grand Isle	10.5	9.7	9.9	10.9	10.1	9.3	8.9	8.6	7.3	8.6	9.4	9.5
HWQ14 - Lake Washington	10.9	10.1	10.0	10.0	8.8	7.9	7.0	6.4	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.4	9.5	8.1	7.0	6.7	5.7	5.9	7.2	9.2	9.0
CRMS 3985	11.0	10.2	9.8	9.6	8.5	6.9	5.9	5.8	6.3	7.4	9.5	9.4
CRMS 0258	11.2	10.0	10.2	10.3	12.1	14.0	13.6	11.0	7.7	8.8	9.6	10.2
CRMS 0224	10.8	9.7	10.0	11.1	13.1	12.8	13.3	9.1	7.6	8.7	9.2	9.9
CRMS 0163	10.9	10.3	10.0	9.2	8.1	8.5	11.0	10.6	10.6	10.8	9.4	9.8
CRMS 0162	10.5	9.5	9.3	8.6	7.5	6.5	6.4	6.7	6.9	7.8	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.5	0.2	-1.7	-1.1	-0.6	-0.4	-0.8	2.6	2.7	0.9	-0.7	-1.4
CRMS0276 - Just east of Wilkinson Canal	0.1	-0.2	0.2	0.1	-0.1	-0.6	0.9	0.7	-0.1	-0.1	0.0	0.4
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.1	-0.2	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.4	-0.7	-0.5	-0.9	-1.3	-1.5	3.4	1.8	1.8	-0.1	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.2	0.2	0.4	1.2	2.1	0.6	-0.1	-0.2	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.1	0.2	-0.4	-0.1	-0.4	0.0	0.9	1.3	0.0	-0.2	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.5	-0.1	-0.7	-0.7	0.2	0.1	-0.2	-0.2	-0.2	1.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.1	-0.6	1.6	1.3	1.2	1.0	0.8	0.4	-0.2	0.0	0.4
HWQ14 - Lake Washington	0.0	0.0	-0.4	1.0	0.8	1.0	0.6	0.3	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	-0.2	1.2	0.6	0.3	0.6	0.1	-0.1	-0.2	0.0	0.5
CRMS 3985	0.0	0.0	0.0	0.8	1.1	0.5	0.1	0.0	0.0	-0.2	0.0	0.1
CRMS 0258	0.1	0.3	0.0	-0.3	1.4	3.4	2.6	0.1	-0.4	-0.2	0.1	0.2
CRMS 0224	0.1	0.2	-0.3	1.6	4.2	4.4	5.0	0.8	-0.6	-0.3	-0.1	0.9
CRMS 0163	0.0	0.0	0.0	0.1	0.0	0.3	-0.2	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 20 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.1	10.2	9.1	7.9	6.9	6.8	6.5	6.6	7.9	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.2	9.7	10.2	10.6	9.8	8.5	7.3	6.8	7.5	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.2	11.6	12.9	11.8	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	9.9	8.9	7.9	7.2	7.1	6.9	7.1	8.3	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.5	6.6	6.7	6.3	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.8	6.4	6.1	5.5	6.1	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.5	8.3	7.0	6.5	6.1	6.2	7.5	8.9	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.6	7.6	7.5	7.4	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.0	7.0	6.8	6.3	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.6	8.7	8.1	7.4	6.7	6.1	8.2	6.4	7.6	8.9	8.4
CRMS 3985	11.0	10.2	9.7	8.9	7.5	6.4	6.3	5.7	6.1	7.6	9.5	9.3
CRMS 0258	11.1	10.1	10.2	10.2	10.2	10.2	8.3	7.3	7.1	8.6	9.5	9.1
CRMS 0224	10.6	9.4	10.0	8.8	8.0	7.1	6.9	6.0	6.5	8.1	9.1	8.8
CRMS 0163	11.1	10.4	10.0	9.3	8.5	10.3	9.0	8.6	9.9	10.8	9.5	9.6
CRMS 0162	10.5	9.6	9.4	8.6	7.5	6.9	6.7	7.2	6.3	7.9	9.1	9.3

V3PR6 HYST - cy 0 - 1970 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	9.5	8.5	8.1	7.5	6.8	9.3	11.0	10.3	9.2	9.4	9.6
CRMS0276 - Just east of Wilkinson Canal	10.2	9.4	10.5	10.6	11.1	10.4	9.1	8.0	6.8	7.4	9.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	10.3	11.6	13.0	11.4	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.8	10.1	9.2	8.5	7.6	6.8	11.9	11.5	10.2	10.8	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	9.9	9.1	7.7	9.3	7.0	6.3	6.5	7.8	9.5	9.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.3	10.0	9.0	7.6	7.4	7.4	5.8	6.0	7.5	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.8	10.2	10.1	9.5	7.6	7.8	7.1	6.4	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.8	9.9	10.1	10.8	10.3	10.0	8.5	7.3	6.8	8.6	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.1	10.2	9.9	8.6	7.1	6.3	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.2	9.0	9.5	9.8	8.4	7.8	6.2	7.0	6.2	7.2	8.7	8.3
CRMS 3985	11.0	10.3	9.8	9.5	8.0	7.5	6.1	5.8	6.3	7.4	9.5	9.3
CRMS 0258	11.4	10.5	10.2	9.7	9.4	14.2	9.4	8.1	7.2	8.8	9.6	9.6
CRMS 0224	11.1	10.0	10.0	10.4	9.8	13.4	9.0	6.6	6.0	7.7	9.0	9.3
CRMS 0163	11.1	10.4	10.0	9.4	9.0	10.6	9.2	8.7	9.9	10.8	9.5	9.6
CRMS 0162	10.5	9.6	9.4	8.5	7.6	6.9	6.7	7.1	6.2	7.9	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.4	-0.6	-1.7	-1.0	-0.4	-0.1	2.5	4.5	3.7	1.3	-0.6	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.6	0.2	0.8	0.5	0.4	0.7	0.6	0.6	0.0	-0.1	-0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.1	-0.4	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	0.2	-0.7	-0.3	-0.3	-0.3	4.8	4.6	3.1	2.5	0.1	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.2	-0.1	0.0	0.2	2.6	0.3	0.0	-0.2	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.6	-0.3	0.0	-0.3	1.1	1.2	0.3	-0.1	-0.1	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.7	0.7	-0.4	0.0	-0.7	0.8	0.7	0.3	-0.2	-0.1	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.4	0.3	-0.4	1.6	1.7	2.3	0.9	0.0	-0.2	-0.2	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	-0.4	1.0	2.0	1.5	0.3	0.0	-0.1	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.6	0.4	0.8	1.7	1.0	1.1	0.1	-1.2	-0.2	-0.4	-0.2	-0.1
CRMS 3985	0.0	0.0	0.1	0.6	0.5	1.0	-0.1	0.1	0.1	-0.1	0.0	0.0
CRMS 0258	0.3	0.4	0.0	-0.5	-0.9	4.0	1.1	0.9	0.1	0.2	0.1	0.5
CRMS 0224	0.5	0.6	0.0	1.6	1.8	6.3	2.1	0.6	-0.6	-0.4	-0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.1	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0

Figure WQ DO 21 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.2	10.3	9.3	8.3	7.3	7.0	6.9	6.9	8.1	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.8	9.8	10.7	9.8	8.8	8.0	7.0	7.8	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.4	12.1	11.3	10.6	10.4	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.2	8.5	7.9	7.7	7.6	7.8	8.7	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.2	6.2	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.9	6.5	6.0	5.5	6.1	7.7	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	10.7	9.6	8.4	7.3	6.8	6.2	6.2	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.7	9.5	8.8	7.8	7.8	7.4	6.9	8.7	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.9	8.9	8.5	7.6	6.6	6.0	7.0	6.1	8.3	9.3	8.5
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	5.8	6.2	7.6	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.8	9.9	9.0	8.2	8.0	8.8	9.5	9.8
CRMS 0224	10.7	9.6	10.4	9.6	8.9	8.3	8.1	7.9	7.9	8.8	9.2	8.9
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.1	9.9	9.7	10.3	10.3	9.5	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.6	9.0	9.3

V3PR6 HYST - cy 0 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	8.5	8.2	7.9	7.5	9.5	10.0	11.1	10.3	9.4	9.4	8.8
CRMS0276 - Just east of Wilkinson Canal	10.1	10.1	9.9	10.9	10.5	10.1	8.9	8.3	7.1	7.6	9.4	8.8
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	10.7	12.2	11.3	10.6	10.5	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	10.8	9.3	8.7	8.4	7.6	10.5	12.8	12.0	10.3	10.9	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.6	8.7	7.4	7.9	6.7	6.3	6.5	7.8	9.4	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.3	9.4	8.7	7.4	8.0	6.8	5.8	6.0	7.5	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	11.0	10.6	9.6	8.7	7.4	8.1	7.1	6.5	6.0	7.3	8.8	9.5
USGS073802516 Barataria Pass at Grand Isle	10.8	10.3	9.7	10.6	9.9	9.7	7.9	7.7	7.0	8.5	9.4	9.3
HWQ14 - Lake Washington	11.0	10.3	9.8	10.6	9.5	8.5	7.0	6.2	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.1	10.1	9.6	9.3	8.1	7.2	6.1	6.2	6.0	7.8	9.1	8.9
CRMS 3985	11.1	10.5	9.7	8.9	7.5	7.1	6.1	5.9	6.3	7.4	9.5	9.4
CRMS 0258	11.4	10.8	10.0	9.1	8.5	10.7	9.2	8.0	6.9	8.2	9.4	9.9
CRMS 0224	11.2	10.7	9.9	8.9	8.1	10.3	7.8	7.1	6.6	8.0	8.9	9.6
CRMS 0163	11.1	10.5	10.0	9.1	8.3	10.4	10.0	9.8	10.3	10.2	9.4	9.7
CRMS 0162	10.7	9.9	9.3	8.5	7.5	7.0	6.6	7.1	6.8	7.5	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.6	-1.7	-2.1	-1.3	-0.8	2.2	3.0	4.2	3.3	1.3	-0.6	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.4	0.5	0.1	1.1	-0.2	0.4	0.0	0.3	0.0	-0.1	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.3	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-0.9	-1.4	-0.9	-0.9	2.5	5.1	4.4	2.5	2.2	-0.1	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.4	-0.2	-0.1	1.3	0.5	0.1	-0.2	-0.2	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.6	-0.9	-0.4	-0.5	1.4	0.8	0.4	-0.1	-0.2	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.9	1.1	-1.0	-0.8	-1.0	0.8	0.3	0.2	-0.3	-0.3	-0.2	0.9
USGS073802516 Barataria Pass at Grand Isle	0.4	0.7	-0.9	1.1	1.1	1.8	0.2	0.3	0.0	-0.2	-0.1	0.2
HWQ14 - Lake Washington	0.0	0.2	-0.6	1.6	1.6	1.5	0.5	0.2	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.6	1.2	0.7	0.8	0.5	0.6	0.0	-0.7	0.0	-0.5	-0.1	0.4
CRMS 3985	0.0	0.3	0.1	0.2	0.1	0.7	0.2	0.1	0.1	-0.2	0.0	0.1
CRMS 0258	0.1	0.4	-0.4	-1.5	-2.3	0.8	0.3	-0.1	-1.1	-0.6	-0.1	0.0
CRMS 0224	0.5	1.0	-0.5	-0.6	-0.8	2.0	-0.2	-0.8	-1.4	-0.8	-0.3	0.7
CRMS 0163	0.0	0.0	0.0	0.0	0.2	0.3	0.1	0.1	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 22 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.1	8.9	7.8	6.4	6.3	6.1	6.4	7.8	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.4	9.6	9.9	10.2	8.6	7.9	7.3	6.1	7.6	10.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.6	11.7	12.5	10.6	9.4	9.4	9.6	11.1	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	9.9	9.8	8.7	7.6	6.5	6.5	6.4	6.5	8.0	9.8	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.8	6.7	6.6	6.3	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.3	9.1	8.0	6.4	6.0	5.4	6.0	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.4	8.3	7.1	6.6	5.9	6.2	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.5	7.6	7.5	7.0	6.8	8.7	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.2	7.1	6.7	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.7	8.8	8.3	7.1	6.6	6.9	8.7	6.5	8.0	8.9	8.4
CRMS 3985	11.0	10.2	9.8	9.0	7.7	6.5	6.1	5.7	6.1	7.5	9.5	9.3
CRMS 0258	10.9	10.2	9.8	9.8	9.6	7.1	6.9	6.8	6.8	8.0	9.8	9.7
CRMS 0224	10.6	9.3	9.9	8.7	7.5	6.3	6.1	5.7	6.2	7.9	9.1	8.9
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.2	7.7	9.3	10.7	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.0	6.9	6.8	5.6	7.8	9.0	9.3

V3PR6 HYST - cy 0 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.2	9.2	8.8	7.9	9.7	9.8	11.4	10.5	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.2	10.2	10.2	8.9	8.0	7.3	6.1	7.5	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.7	11.8	12.2	10.6	9.3	9.4	9.6	11.0	10.8	11.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.0	9.7	9.7	8.1	10.6	11.5	11.1	10.0	10.7	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.5	9.5	7.3	6.6	6.3	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	10.6	10.3	9.5	9.1	7.3	6.3	5.6	6.0	7.5	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.3	10.7	11.0	9.8	9.7	7.6	6.8	5.9	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.5	10.2	11.4	10.1	10.0	7.8	7.5	7.0	6.8	8.5	9.5	9.3
HWQ14 - Lake Washington	10.9	10.2	10.8	9.9	8.7	7.4	6.7	6.2	6.5	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.4	9.1	8.5	8.2	6.6	6.6	8.3	6.4	7.8	8.8	8.3
CRMS 3985	11.0	10.3	9.8	8.9	8.1	6.7	6.0	5.8	6.3	7.5	9.5	9.3
CRMS 0258	11.1	10.7	10.2	10.1	11.2	7.9	7.6	7.3	6.7	8.0	9.8	9.8
CRMS 0224	10.7	10.3	10.8	9.8	11.7	7.4	6.8	5.9	5.7	7.5	9.0	9.3
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.2	7.7	9.4	10.6	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.1	6.9	6.8	5.5	7.8	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.5	-0.9	-0.8	-0.1	0.0	3.3	3.5	5.3	4.1	1.4	-0.7	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.5	0.3	0.0	0.3	0.2	0.0	0.0	-0.1	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	-0.3	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.1	-0.1	1.0	0.6	4.1	5.1	4.8	3.5	2.7	0.1	0.4
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.3	-0.1	0.4	1.7	0.6	0.0	0.0	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.9	0.0	0.4	1.1	0.9	0.3	0.2	0.0	-0.1	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	1.3	0.6	0.4	1.4	0.5	0.3	0.0	-0.1	0.0	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.6	0.8	0.9	1.5	0.2	0.0	0.0	0.0	-0.2	0.0	0.1
HWQ14 - Lake Washington	0.0	0.1	0.4	0.7	0.6	0.3	0.0	0.0	0.0	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.7	0.3	0.2	1.1	0.0	-0.3	-0.3	-0.1	-0.2	-0.1	-0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.5	0.2	-0.1	0.2	0.1	0.0	0.0	0.0
CRMS 0258	0.1	0.5	0.3	0.4	1.6	0.8	0.7	0.6	-0.1	0.0	0.0	0.1
CRMS 0224	0.1	1.0	0.8	1.1	4.2	1.0	0.7	0.2	-0.6	-0.4	-0.1	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0

Figure WQ DO 23 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.3	10.3	9.3	8.3	7.3	7.5	7.8	7.4	8.4	10.0	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.1	10.0	10.7	10.1	9.0	9.0	8.1	7.6	9.7	9.5
Barataria Waterway at Lafitte (USACE82875)	11.1	10.4	10.0	11.1	13.1	12.1	11.5	11.0	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.2	10.2	9.2	8.5	7.9	7.8	7.8	8.1	8.8	10.1	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.8	6.5	6.7	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.0	7.9	6.4	6.2	5.8	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.6	10.6	9.5	8.3	7.0	6.4	6.8	6.3	7.9	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	10.6	9.3	8.6	7.7	7.5	8.0	7.3	8.9	9.5	9.0
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	8.0	7.0	6.8	6.2	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.8	8.2	7.3	6.7	6.2	5.6	6.0	6.8	9.1	9.2
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	6.3	5.9	6.2	7.5	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.7	10.5	10.9	11.3	8.6	9.0	9.5	9.4
CRMS 0224	10.7	9.7	10.4	9.5	8.7	8.2	8.2	8.1	8.2	9.0	9.3	8.9
CRMS 0163	11.2	10.6	10.0	9.1	9.0	10.0	11.2	11.0	10.7	10.9	9.5	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.6	6.8	6.3	6.6	6.9	7.9	9.0	9.3

V3PR6 HYST - cy 0 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.0	7.6	6.9	6.6	8.9	10.0	9.3	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.6	10.2	10.2	10.9	11.2	10.6	10.1	10.9	8.0	7.6	9.7	9.3
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.1	11.3	13.1	11.9	11.2	10.8	10.3	11.3	10.6	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	9.9	9.1	8.9	8.4	7.7	6.8	6.5	8.6	10.5	11.0	10.0	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.3	9.7	8.9	8.0	7.5	7.6	8.1	6.7	7.8	9.4	9.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.2	9.7	8.8	7.8	6.7	6.3	6.8	6.6	7.7	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	11.3	10.5	9.9	9.0	8.2	6.8	6.3	6.7	6.2	7.5	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	11.0	10.4	9.8	10.8	10.5	10.1	9.2	9.3	7.6	8.5	9.4	9.1
HWQ14 - Lake Washington	11.0	10.3	9.9	10.5	9.3	8.7	7.5	6.7	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	10.1	10.2	9.6	9.5	8.5	7.6	6.9	6.3	5.9	6.7	9.1	8.8
CRMS 3985	11.1	10.5	9.8	9.1	8.2	7.2	6.3	5.6	6.2	7.4	9.5	9.3
CRMS 0258	11.6	10.7	10.2	9.4	9.9	13.3	15.2	13.7	8.4	8.7	9.6	9.7
CRMS 0224	11.4	10.7	10.0	9.3	11.8	13.2	14.7	12.1	7.9	8.6	9.1	9.5
CRMS 0163	11.1	10.6	10.0	9.3	9.4	10.1	11.0	11.0	10.8	10.9	9.4	9.5
CRMS 0162	10.6	9.9	9.4	8.6	7.7	7.0	6.3	6.6	6.9	8.0	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-1.8	-2.1	-1.3	-0.7	-0.4	-0.9	1.1	2.5	0.9	-0.6	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.8	0.5	0.1	0.9	0.5	0.5	1.1	1.9	-0.1	0.0	0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.3	-0.1	-0.2	-0.3	-0.2	0.2	0.1	-0.2	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.6	-1.0	-1.3	-0.8	-0.8	-1.1	-1.3	0.7	2.5	2.2	-0.1	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.2	-0.2	-0.1	0.5	0.9	0.8	1.6	-0.1	0.0	0.0	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.5	0.4	-0.6	-0.3	-0.1	0.3	0.2	1.0	0.2	-0.1	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	1.1	0.9	-0.7	-0.6	-0.2	-0.2	-0.1	-0.2	-0.1	-0.4	-0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.6	0.7	-0.8	1.5	1.9	2.4	1.7	1.3	0.3	-0.4	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.3	-0.5	1.5	1.3	1.8	0.7	0.4	-0.1	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	1.3	1.2	0.8	1.2	1.2	0.9	0.6	0.7	-0.1	-0.1	-0.1	-0.4
CRMS 3985	0.1	0.2	0.1	0.5	0.8	0.8	0.0	-0.3	0.0	-0.1	0.0	0.0
CRMS 0258	0.2	0.3	-0.3	-1.2	-0.7	2.8	4.4	2.4	-0.2	-0.3	0.0	0.3
CRMS 0224	0.7	1.0	-0.4	-0.1	3.1	5.0	6.6	4.0	-0.4	-0.4	-0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.1	0.5	0.1	-0.3	0.0	0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 24 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.3	8.3	7.3	7.5	7.7	7.3	8.4	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.3	9.8	9.9	10.6	10.5	9.3	8.9	7.9	7.7	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.8	11.6	11.7	10.8	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.3	8.6	8.1	7.9	7.9	8.1	8.9	10.1	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.0	7.5	6.5	6.3	6.2	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.2	9.1	7.9	6.5	6.0	5.6	6.2	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.3	10.4	9.6	8.4	7.2	6.6	6.7	6.3	7.8	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.4	8.8	8.0	7.9	7.8	6.9	8.8	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	6.9	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.6	8.3	7.5	6.7	6.2	5.7	6.0	7.4	9.2	8.4
CRMS 3985	11.0	10.2	9.8	8.8	7.4	6.4	5.9	5.8	6.3	7.6	9.5	9.3
CRMS 0258	11.0	9.8	10.2	10.6	10.7	10.6	11.0	10.9	8.1	9.0	9.6	10.0
CRMS 0224	10.7	9.5	10.2	9.5	8.9	8.4	8.3	8.3	8.2	9.0	9.3	9.0
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.2	11.2	10.6	10.7	10.8	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.5	6.3	6.8	6.9	7.9	9.1	9.3

V3PR6 HYST - cy 0 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.3	8.0	7.5	6.9	6.6	10.5	10.0	9.3	9.3	8.2
CRMS0276 - Just east of Wilkinson Canal	9.7	9.1	10.0	11.1	10.4	9.0	10.0	9.9	7.8	7.6	9.4	9.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.2	10.7	12.0	11.9	11.3	10.7	10.1	11.0	10.9	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.6	8.9	8.4	7.6	6.8	6.5	11.9	10.4	10.9	9.9	8.8
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.6	8.8	7.4	6.2	7.1	6.9	6.6	7.8	9.4	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.8	9.6	8.7	7.4	6.3	6.3	7.5	6.5	7.7	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	10.2	9.6	9.8	8.9	7.4	6.2	6.2	7.3	6.3	7.5	8.9	9.8
USGS073802516 Barataria Pass at Grand Isle	10.5	9.7	9.8	10.7	9.7	8.6	9.7	9.5	7.6	8.6	9.4	9.5
HWQ14 - Lake Washington	10.9	10.1	9.8	10.2	9.2	7.4	7.8	6.9	6.4	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.6	8.6	9.6	9.4	8.0	7.0	7.0	5.9	5.9	7.2	9.2	9.3
CRMS 3985	11.0	10.2	9.8	9.1	7.5	6.3	6.3	5.8	6.2	7.4	9.5	9.6
CRMS 0258	11.1	10.0	10.1	9.2	8.4	8.2	13.9	10.7	7.7	8.7	9.6	10.2
CRMS 0224	10.7	9.6	9.9	9.1	7.9	7.7	13.9	9.2	7.5	8.6	9.1	10.0
CRMS 0163	10.9	10.3	10.0	9.3	8.2	8.8	10.9	10.7	10.7	10.7	9.4	9.8
CRMS 0162	10.6	9.6	9.3	8.6	7.5	6.6	6.3	6.7	7.0	7.9	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.5	0.2	-1.9	-1.3	-0.8	-0.4	-0.8	2.7	2.7	0.9	-0.7	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.1	-0.2	0.2	1.2	-0.2	-1.5	0.7	1.0	-0.1	-0.1	0.0	0.6
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.2	0.3	-0.4	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.5	-1.2	-0.9	-1.0	-1.2	-1.5	4.0	2.3	2.1	-0.2	-1.1
USGS7380251 Barataria Bay North of Grand Isle	-0.1	0.0	-0.3	-0.2	-0.1	-0.3	0.8	0.7	-0.1	-0.2	-0.1	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.1	0.2	-0.6	-0.3	-0.5	-0.2	0.2	1.8	0.2	-0.1	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.1	0.2	-0.6	-0.7	-1.0	-1.0	-0.4	0.6	0.0	-0.2	-0.2	1.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.1	-0.7	1.3	0.9	0.5	1.8	1.7	0.7	-0.2	-0.1	0.5
HWQ14 - Lake Washington	0.0	0.0	-0.5	1.2	1.3	0.4	1.4	0.8	0.0	-0.3	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	-0.1	1.1	0.5	0.3	0.9	0.2	-0.1	-0.2	-0.1	0.8
CRMS 3985	0.0	0.0	0.0	0.3	0.0	-0.1	0.4	0.0	0.0	-0.2	0.0	0.3
CRMS 0258	0.1	0.2	-0.1	-1.4	-2.3	-2.4	2.9	-0.1	-0.4	-0.3	0.0	0.2
CRMS 0224	0.0	0.1	-0.3	-0.4	-0.9	-0.8	5.6	1.0	-0.8	-0.4	-0.2	1.0
CRMS 0163	0.0	0.0	0.0	0.1	0.1	0.6	-0.3	0.1	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0

Figure WQ DO 25 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.1	10.2	9.1	7.9	6.9	6.8	6.5	6.6	7.9	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.2	9.7	10.2	10.6	9.8	8.5	7.3	6.8	7.5	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.2	11.6	12.9	11.8	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	9.9	8.9	7.9	7.2	7.1	6.9	7.1	8.3	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.5	6.6	6.7	6.3	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.8	6.4	6.1	5.5	6.1	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.5	8.3	7.0	6.5	6.1	6.2	7.5	8.9	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.6	7.6	7.5	7.4	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.0	7.0	6.8	6.3	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.6	8.7	8.1	7.4	6.7	6.1	8.2	6.4	7.6	8.9	8.4
CRMS 3985	11.0	10.2	9.7	8.9	7.5	6.4	6.3	5.7	6.1	7.6	9.5	9.3
CRMS 0258	11.1	10.1	10.2	10.2	10.2	10.2	8.3	7.3	7.1	8.6	9.5	9.1
CRMS 0224	10.6	9.4	10.0	8.8	8.0	7.1	6.9	6.0	6.5	8.1	9.1	8.8
CRMS 0163	11.1	10.4	10.0	9.3	8.5	10.3	9.0	8.6	9.9	10.8	9.5	9.6
CRMS 0162	10.5	9.6	9.4	8.6	7.5	6.9	6.7	7.2	6.3	7.9	9.1	9.3

V3PR7 HYST - cy 0 - 1970 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	9.5	8.5	8.1	7.5	6.8	9.3	10.9	10.3	9.1	9.4	9.6
CRMS0276 - Just east of Wilkinson Canal	10.2	9.4	10.5	10.6	11.0	10.5	9.1	7.9	6.7	7.4	9.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	10.3	11.6	13.0	11.4	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	10.2	9.4	8.6	7.6	6.8	11.1	10.7	9.6	10.4	9.9	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.3	9.9	9.1	7.6	9.2	7.0	6.3	6.5	7.8	9.5	9.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.3	10.0	9.0	7.5	7.4	7.3	5.8	6.0	7.5	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.8	10.2	10.1	9.5	7.6	7.8	7.1	6.4	5.9	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.8	9.9	10.1	10.8	10.3	10.0	8.5	7.3	6.8	8.6	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.1	10.1	10.0	8.6	7.1	6.3	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.2	9.0	9.5	9.8	8.4	7.8	6.2	7.1	6.2	7.1	8.7	8.3
CRMS 3985	11.0	10.2	9.8	9.5	7.9	7.4	6.1	5.8	6.2	7.4	9.5	9.3
CRMS 0258	11.4	10.5	10.2	9.8	9.5	14.0	9.3	8.1	7.2	8.8	9.6	9.6
CRMS 0224	11.1	10.0	10.0	10.6	10.2	13.3	9.0	6.6	5.9	7.7	9.0	9.3
CRMS 0163	11.1	10.4	10.0	9.4	9.0	10.6	9.1	8.6	9.9	10.9	9.5	9.6
CRMS 0162	10.5	9.5	9.4	8.5	7.6	6.9	6.6	7.1	6.1	7.8	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.4	-0.6	-1.7	-1.0	-0.4	-0.1	2.5	4.5	3.7	1.2	-0.6	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.6	0.2	0.9	0.4	0.4	0.7	0.6	0.6	-0.1	-0.1	-0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.1	-0.4	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.5	0.3	-0.5	-0.3	-0.3	-0.3	4.0	3.8	2.5	2.2	0.0	0.2
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.2	-0.1	0.0	0.1	2.6	0.3	0.0	-0.2	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.6	-0.3	-0.1	-0.3	1.1	1.2	0.3	-0.1	-0.1	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.7	0.7	-0.4	0.0	-0.7	0.8	0.7	0.3	-0.3	-0.2	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.4	0.3	-0.4	1.6	1.7	2.3	0.9	-0.1	-0.2	-0.2	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	-0.4	1.0	2.1	1.5	0.4	0.0	-0.1	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.6	0.4	0.8	1.7	1.0	1.0	0.1	-1.1	-0.1	-0.5	-0.2	-0.1
CRMS 3985	0.0	0.0	0.1	0.5	0.5	1.0	-0.2	0.1	0.1	-0.1	0.0	0.0
CRMS 0258	0.3	0.4	0.0	-0.5	-0.7	3.8	1.1	0.9	0.1	0.2	0.0	0.5
CRMS 0224	0.5	0.6	0.0	1.8	2.2	6.2	2.1	0.5	-0.6	-0.4	-0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.1	0.5	0.2	0.1	0.0	0.0	0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0

Figure WQ DO 26 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.2	10.3	9.3	8.3	7.3	7.0	6.9	6.9	8.1	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.8	9.8	10.7	9.8	8.8	8.0	7.0	7.8	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.4	12.1	11.3	10.6	10.4	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.2	8.5	7.9	7.7	7.6	7.8	8.7	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.2	6.2	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.9	6.5	6.0	5.5	6.1	7.7	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	10.7	9.6	8.4	7.3	6.8	6.2	6.2	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.7	9.5	8.8	7.8	7.8	7.4	6.9	8.7	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.9	8.9	8.5	7.6	6.6	6.0	7.0	6.1	8.3	9.3	8.5
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	5.8	6.2	7.6	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.8	9.9	9.0	8.2	8.0	8.8	9.5	9.8
CRMS 0224	10.7	9.6	10.4	9.6	8.9	8.3	8.1	7.9	7.9	8.8	9.2	8.9
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.1	9.9	9.7	10.3	10.3	9.5	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.6	9.0	9.3

V3PR7 HYST - cy 0 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	8.5	8.2	7.9	7.5	9.5	10.0	11.0	10.2	9.4	9.4	8.8
CRMS0276 - Just east of Wilkinson Canal	10.1	10.1	9.9	10.9	10.5	10.1	8.9	8.3	7.0	7.7	9.5	8.8
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	10.8	12.2	11.2	10.6	10.5	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.0	9.4	8.8	8.4	7.6	10.0	11.9	11.2	9.7	10.6	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.6	8.7	7.4	7.9	6.7	6.3	6.5	7.8	9.4	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.3	9.4	8.6	7.4	7.9	6.8	5.8	6.0	7.5	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	11.0	10.6	9.6	8.7	7.4	8.0	7.0	6.5	5.9	7.3	8.8	9.5
USGS073802516 Barataria Pass at Grand Isle	10.8	10.4	9.7	10.6	9.9	9.7	7.9	7.7	6.9	8.5	9.4	9.3
HWQ14 - Lake Washington	11.0	10.3	9.8	10.6	9.4	8.5	6.9	6.2	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.1	10.1	9.6	9.3	8.1	7.3	6.1	6.3	6.0	7.8	9.1	8.9
CRMS 3985	11.1	10.5	9.7	8.8	7.4	7.0	6.1	5.9	6.3	7.4	9.5	9.4
CRMS 0258	11.4	10.8	10.0	9.1	8.7	10.6	9.2	8.1	7.0	8.3	9.4	9.9
CRMS 0224	11.2	10.7	9.9	8.9	8.1	10.3	7.8	7.1	6.6	8.0	9.0	9.6
CRMS 0163	11.1	10.5	10.0	9.1	8.3	10.3	9.9	9.7	10.2	10.2	9.5	9.7
CRMS 0162	10.7	9.9	9.3	8.6	7.5	7.0	6.6	7.0	6.8	7.5	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.6	-1.7	-2.1	-1.3	-0.8	2.2	2.9	4.1	3.3	1.2	-0.6	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.4	0.5	0.1	1.1	-0.3	0.3	0.1	0.3	0.0	-0.1	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.4	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.5	-0.7	-1.3	-0.8	-0.9	2.1	4.1	3.6	1.9	1.9	-0.1	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.4	-0.2	-0.1	1.3	0.4	0.1	-0.2	-0.2	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.6	-0.9	-0.5	-0.5	1.4	0.8	0.3	-0.1	-0.2	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.9	1.1	-1.1	-0.8	-1.0	0.8	0.3	0.2	-0.3	-0.3	-0.3	0.9
USGS073802516 Barataria Pass at Grand Isle	0.4	0.7	-0.9	1.1	1.1	1.8	0.2	0.3	0.0	-0.2	-0.1	0.2
HWQ14 - Lake Washington	0.0	0.2	-0.6	1.6	1.5	1.5	0.5	0.1	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.6	1.1	0.7	0.8	0.5	0.6	0.1	-0.7	-0.1	-0.5	-0.1	0.4
CRMS 3985	0.0	0.3	0.0	0.2	0.0	0.6	0.2	0.1	0.1	-0.2	0.0	0.1
CRMS 0258	0.1	0.4	-0.4	-1.5	-2.1	0.7	0.3	-0.1	-1.0	-0.5	-0.1	0.1
CRMS 0224	0.5	1.0	-0.5	-0.6	-0.8	2.0	-0.2	-0.8	-1.3	-0.8	-0.3	0.7
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.0	-0.1	-0.1	0.0	-0.1
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Figure WQ DO 27 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.1	8.9	7.8	6.4	6.3	6.1	6.4	7.8	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.4	9.6	9.9	10.2	8.6	7.9	7.3	6.1	7.6	10.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.6	11.7	12.5	10.6	9.4	9.4	9.6	11.1	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	9.9	9.8	8.7	7.6	6.5	6.5	6.4	6.5	8.0	9.8	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.8	6.7	6.6	6.3	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.3	9.1	8.0	6.4	6.0	5.4	6.0	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.4	8.3	7.1	6.6	5.9	6.2	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.5	7.6	7.5	7.0	6.8	8.7	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.2	7.1	6.7	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.7	8.8	8.3	7.1	6.6	6.9	8.7	6.5	8.0	8.9	8.4
CRMS 3985	11.0	10.2	9.8	9.0	7.7	6.5	6.1	5.7	6.1	7.5	9.5	9.3
CRMS 0258	10.9	10.2	9.8	9.8	9.6	7.1	6.9	6.8	6.8	8.0	9.8	9.7
CRMS 0224	10.6	9.3	9.9	8.7	7.5	6.3	6.1	5.7	6.2	7.9	9.1	8.9
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.2	7.7	9.3	10.7	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.0	6.9	6.8	5.6	7.8	9.0	9.3

V3PR7 HYST - cy 0 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.2	9.2	8.8	7.9	9.6	9.7	11.3	10.4	9.2	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.2	10.2	10.1	8.8	8.0	7.2	6.2	7.4	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.7	11.8	12.2	10.6	9.3	9.4	9.6	11.0	10.8	11.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.1	9.8	9.8	8.2	10.0	10.7	10.4	9.4	10.4	9.9	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.8	9.5	9.4	7.3	6.6	6.3	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	10.6	10.2	9.5	9.0	7.2	6.2	5.5	6.0	7.5	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.3	10.7	11.0	9.8	9.7	7.5	6.8	5.9	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.5	10.2	11.3	10.1	10.0	7.7	7.5	7.0	6.7	8.5	9.5	9.3
HWQ14 - Lake Washington	10.9	10.2	10.8	9.9	8.7	7.4	6.7	6.2	6.4	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.4	9.1	8.5	8.1	6.6	6.6	8.3	6.3	7.6	8.7	8.2
CRMS 3985	11.0	10.3	9.8	8.9	8.1	6.7	6.0	5.8	6.2	7.5	9.5	9.3
CRMS 0258	11.1	10.7	10.2	10.2	11.2	7.9	7.6	7.3	6.7	8.0	9.8	9.8
CRMS 0224	10.7	10.3	10.8	9.7	11.6	7.3	6.7	5.9	5.7	7.4	9.0	9.4
CRMS 0163	10.9	10.4	10.0	9.6	10.3	9.9	8.1	7.7	9.4	10.7	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.0	6.9	6.9	5.5	7.8	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.5	-0.9	-0.8	-0.1	0.0	3.2	3.4	5.1	4.0	1.4	-0.7	0.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.5	0.3	-0.1	0.2	0.1	-0.1	0.0	-0.1	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.1	-0.3	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.2	0.0	1.1	0.6	3.5	4.2	4.1	2.9	2.4	0.1	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.3	-0.1	0.4	1.6	0.5	0.0	0.0	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.9	0.0	0.4	1.1	0.8	0.2	0.1	0.0	-0.1	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	1.3	0.6	0.4	1.4	0.4	0.2	0.0	-0.2	-0.1	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.6	0.8	0.9	1.6	0.2	-0.1	-0.1	-0.1	-0.2	0.0	0.1
HWQ14 - Lake Washington	0.0	0.1	0.4	0.7	0.6	0.3	0.0	0.0	0.0	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.7	0.3	0.2	1.0	0.0	-0.3	-0.4	-0.1	-0.3	-0.2	-0.1
CRMS 3985	0.0	0.1	0.0	0.0	0.4	0.1	-0.1	0.2	0.1	-0.1	0.0	0.0
CRMS 0258	0.1	0.5	0.4	0.4	1.6	0.7	0.7	0.6	-0.2	0.0	0.0	0.1
CRMS 0224	0.1	1.0	0.8	1.1	4.1	1.0	0.6	0.2	-0.6	-0.5	-0.1	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0

Figure WQ DO 28 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.3	10.3	9.3	8.3	7.3	7.5	7.8	7.4	8.4	10.0	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.1	10.0	10.7	10.1	9.0	9.0	8.1	7.6	9.7	9.5
Barataria Waterway at Lafitte (USACE82875)	11.1	10.4	10.0	11.1	13.1	12.1	11.5	11.0	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.2	10.2	9.2	8.5	7.9	7.8	7.8	8.1	8.8	10.1	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.8	6.5	6.7	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.0	7.9	6.4	6.2	5.8	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.6	10.6	9.5	8.3	7.0	6.4	6.8	6.3	7.9	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	10.6	9.3	8.6	7.7	7.5	8.0	7.3	8.9	9.5	9.0
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	8.0	7.0	6.8	6.2	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.8	8.2	7.3	6.7	6.2	5.6	6.0	6.8	9.1	9.2
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	6.3	5.9	6.2	7.5	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.7	10.5	10.9	11.3	8.6	9.0	9.5	9.4
CRMS 0224	10.7	9.7	10.4	9.5	8.7	8.2	8.2	8.1	8.2	9.0	9.3	8.9
CRMS 0163	11.2	10.6	10.0	9.1	9.0	10.0	11.2	11.0	10.7	10.9	9.5	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.6	6.8	6.3	6.6	6.9	7.9	9.0	9.3

V3PR7 HYST - cy 0 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.0	7.6	6.9	6.6	8.9	9.8	9.1	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.6	10.2	10.2	10.9	11.2	10.6	10.1	11.0	7.8	7.6	9.7	9.3
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.0	11.3	13.0	11.8	11.2	10.8	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	10.1	9.3	9.1	8.5	7.7	6.8	6.4	8.4	10.1	10.8	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.3	9.7	8.9	8.0	7.4	7.5	8.1	6.7	7.8	9.4	9.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.2	9.7	8.8	7.8	6.7	6.3	6.8	6.6	7.7	9.0	9.1
USGS 07380335 - Little Lake Near Cutoff	11.3	10.5	9.9	9.0	8.2	6.8	6.3	6.7	6.3	7.5	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	11.0	10.4	9.8	10.8	10.5	10.1	9.3	9.3	7.6	8.5	9.4	9.1
HWQ14 - Lake Washington	11.0	10.3	9.9	10.5	9.3	8.8	7.5	6.7	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	10.1	10.2	9.6	9.5	8.5	7.6	6.9	6.4	5.9	6.7	9.0	8.8
CRMS 3985	11.1	10.5	9.8	9.1	8.2	7.3	6.3	5.7	6.2	7.4	9.5	9.3
CRMS 0258	11.6	10.7	10.2	9.4	10.1	13.6	15.7	13.6	8.4	8.8	9.6	9.7
CRMS 0224	11.4	10.7	10.0	9.4	11.9	13.3	14.7	12.0	7.8	8.6	9.2	9.5
CRMS 0163	11.1	10.6	10.0	9.3	9.4	10.1	10.9	11.0	10.7	10.9	9.5	9.6
CRMS 0162	10.6	9.9	9.4	8.6	7.7	6.9	6.3	6.6	6.9	7.9	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-1.8	-2.1	-1.3	-0.7	-0.4	-0.9	1.1	2.4	0.8	-0.6	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.8	0.5	0.1	0.8	0.5	0.5	1.1	1.9	-0.2	0.0	0.1	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.0	0.0	0.2	-0.1	-0.3	-0.3	-0.2	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.4	-0.9	-1.1	-0.7	-0.8	-1.1	-1.4	0.5	2.0	1.9	-0.1	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.1	-0.2	-0.1	0.5	0.8	0.7	1.6	-0.1	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.5	0.4	-0.6	-0.3	-0.1	0.3	0.2	1.0	0.2	-0.1	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	1.1	0.9	-0.7	-0.5	-0.2	-0.2	-0.1	-0.1	-0.1	-0.4	-0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.6	0.7	-0.8	1.5	2.0	2.4	1.7	1.3	0.3	-0.4	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.3	-0.5	1.5	1.4	1.8	0.8	0.5	-0.1	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	1.3	1.2	0.8	1.2	1.2	0.9	0.6	0.7	-0.1	-0.1	-0.1	-0.4
CRMS 3985	0.1	0.2	0.1	0.4	0.8	0.8	0.0	-0.2	0.0	-0.1	0.0	0.0
CRMS 0258	0.2	0.3	-0.3	-1.2	-0.6	3.1	4.8	2.2	-0.2	-0.2	0.0	0.3
CRMS 0224	0.7	1.0	-0.4	-0.1	3.2	5.2	6.6	3.9	-0.4	-0.4	-0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.2	0.4	0.1	-0.3	0.0	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 29 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.3	8.3	7.3	7.5	7.7	7.3	8.4	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.3	9.8	9.9	10.6	10.5	9.3	8.9	7.9	7.7	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.8	11.6	11.7	10.8	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.3	8.6	8.1	7.9	7.9	8.1	8.9	10.1	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.0	7.5	6.5	6.3	6.2	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.2	9.1	7.9	6.5	6.0	5.6	6.2	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.3	10.4	9.6	8.4	7.2	6.6	6.7	6.3	7.8	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.4	8.8	8.0	7.9	7.8	6.9	8.8	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	6.9	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.6	8.3	7.5	6.7	6.2	5.7	6.0	7.4	9.2	8.4
CRMS 3985	11.0	10.2	9.8	8.8	7.4	6.4	5.9	5.8	6.3	7.6	9.5	9.3
CRMS 0258	11.0	9.8	10.2	10.6	10.7	10.6	11.0	10.9	8.1	9.0	9.6	10.0
CRMS 0224	10.7	9.5	10.2	9.5	8.9	8.4	8.3	8.3	8.2	9.0	9.3	9.0
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.2	11.2	10.6	10.7	10.8	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.5	6.3	6.8	6.9	7.9	9.1	9.3

V3PR7 HYST - cy 0 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.3	8.0	7.5	6.9	6.6	10.4	9.9	9.2	9.3	8.2
CRMS0276 - Just east of Wilkinson Canal	9.7	9.1	10.0	11.1	10.3	9.0	10.0	9.9	7.9	7.6	9.4	9.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.2	10.7	12.0	11.9	11.3	10.7	10.1	11.0	10.9	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.5	9.1	8.5	7.6	6.8	6.4	11.3	9.9	10.7	9.9	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.6	8.8	7.4	6.2	6.9	6.9	6.6	7.8	9.4	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.8	9.6	8.7	7.4	6.3	6.3	7.5	6.5	7.7	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	10.2	9.6	9.8	8.9	7.3	6.2	6.2	7.3	6.3	7.5	8.9	9.8
USGS073802516 Barataria Pass at Grand Isle	10.5	9.7	9.8	10.7	9.6	8.5	9.7	9.5	7.6	8.6	9.4	9.5
HWQ14 - Lake Washington	10.9	10.1	9.8	10.2	9.2	7.3	7.8	6.9	6.4	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.5	8.6	9.6	9.4	8.0	7.0	7.1	5.9	5.9	7.2	9.2	9.3
CRMS 3985	11.0	10.2	9.8	9.0	7.4	6.2	6.2	5.8	6.2	7.4	9.5	9.6
CRMS 0258	11.1	10.0	10.1	9.3	8.5	8.6	14.5	10.8	7.7	8.7	9.6	10.2
CRMS 0224	10.7	9.6	9.9	9.2	8.0	7.7	14.0	9.2	7.5	8.6	9.1	10.0
CRMS 0163	10.9	10.3	10.0	9.2	8.2	8.8	10.8	10.7	10.6	10.8	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.6	6.3	6.7	6.9	7.9	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.5	0.2	-1.9	-1.3	-0.8	-0.4	-0.8	2.7	2.6	0.9	-0.7	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.1	-0.2	0.2	1.2	-0.3	-1.5	0.7	1.1	0.0	-0.2	0.0	0.6
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.2	0.2	-0.4	0.0	0.0	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.4	-1.1	-0.8	-1.0	-1.3	-1.5	3.4	1.8	1.9	-0.2	-0.9
USGS7380251 Barataria Bay North of Grand Isle	-0.1	0.0	-0.3	-0.2	-0.1	-0.4	0.6	0.7	-0.1	-0.2	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.1	0.2	-0.6	-0.3	-0.5	-0.2	0.2	1.8	0.2	-0.1	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.1	0.2	-0.6	-0.7	-1.0	-1.0	-0.4	0.6	0.0	-0.2	-0.2	1.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.1	-0.7	1.3	0.8	0.4	1.8	1.7	0.7	-0.1	0.0	0.5
HWQ14 - Lake Washington	0.0	0.0	-0.5	1.2	1.2	0.3	1.4	0.8	-0.1	-0.3	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	-0.1	1.1	0.5	0.3	0.9	0.2	-0.1	-0.2	0.0	0.8
CRMS 3985	0.0	0.0	0.0	0.2	0.0	-0.1	0.3	0.0	0.0	-0.2	0.0	0.3
CRMS 0258	0.1	0.2	-0.1	-1.3	-2.2	-2.1	3.5	0.0	-0.4	-0.3	0.0	0.2
CRMS 0224	0.0	0.1	-0.3	-0.3	-0.9	-0.7	5.7	0.9	-0.7	-0.4	-0.2	1.0
CRMS 0163	0.0	0.0	0.0	0.1	0.1	0.6	-0.4	0.1	-0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0

Figure WQ DO 30 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.1	10.2	9.1	7.9	6.9	6.8	6.5	6.6	7.9	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.2	9.7	10.2	10.6	9.8	8.5	7.3	6.8	7.5	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.2	11.6	12.9	11.8	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	9.9	8.9	7.9	7.2	7.1	6.9	7.1	8.3	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.5	6.6	6.7	6.3	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.8	6.4	6.1	5.5	6.1	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.5	8.3	7.0	6.5	6.1	6.2	7.5	8.9	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.6	7.6	7.5	7.4	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.0	7.0	6.8	6.3	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.6	8.7	8.1	7.4	6.7	6.1	8.2	6.4	7.6	8.9	8.4
CRMS 3985	11.0	10.2	9.7	8.9	7.5	6.4	6.3	5.7	6.1	7.6	9.5	9.3
CRMS 0258	11.1	10.1	10.2	10.2	10.2	10.2	8.3	7.3	7.1	8.6	9.5	9.1
CRMS 0224	10.6	9.4	10.0	8.8	8.0	7.1	6.9	6.0	6.5	8.1	9.1	8.8
CRMS 0163	11.1	10.4	10.0	9.3	8.5	10.3	9.0	8.6	9.9	10.8	9.5	9.6
CRMS 0162	10.5	9.6	9.4	8.6	7.5	6.9	6.7	7.2	6.3	7.9	9.1	9.3

V3PR8 HYST - cy 0 - 1970 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.1	5.0	2.2	1.6	1.0	1.3	5.2	5.3	6.0	6.7	8.4	8.0
CRMS0276 - Just east of Wilkinson Canal	10.2	9.3	10.4	10.1	9.4	9.1	8.5	8.2	7.2	8.9	10.0	9.5
Barataria Waterway at Lafitte (USACE82875)	10.3	9.5	10.5	10.5	10.4	9.5	8.7	8.2	8.4	9.1	9.4	9.3
USGS2928590900040000 Barataria Waterway South of Lafitte	9.3	8.5	6.5	5.6	3.9	4.3	7.5	7.7	7.9	8.8	10.4	10.4
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.3	9.6	8.7	7.3	7.3	7.3	6.9	7.0	8.2	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.1	9.6	8.4	6.7	6.8	7.5	7.4	7.7	8.6	9.4	9.6
USGS 07380335 - Little Lake Near Cutoff	10.7	10.2	10.2	9.1	7.6	7.4	7.6	7.6	7.8	8.5	9.1	9.2
USGS073802516 Barataria Pass at Grand Isle	10.8	10.0	10.5	9.2	8.3	7.7	7.7	7.5	7.9	8.7	9.7	9.6
HWQ14 - Lake Washington	11.0	10.2	10.3	9.3	8.3	7.6	7.5	7.4	7.2	8.4	9.7	9.4
HWQ16 - Bayou Grand Liard	9.2	9.0	10.0	9.8	8.7	8.4	7.3	9.0	6.8	8.6	9.5	8.9
CRMS 3985	11.0	10.2	10.1	9.6	8.3	7.6	6.7	6.3	6.3	7.5	9.5	9.3
CRMS 0258	11.5	10.5	10.3	9.6	8.8	9.1	9.7	8.7	8.0	8.8	9.9	10.1
CRMS 0224	11.1	10.1	10.2	9.2	8.2	7.8	7.7	7.6	7.8	8.6	9.7	9.7
CRMS 0163	11.2	10.3	9.9	9.4	9.2	10.2	8.3	7.3	9.0	10.1	9.3	9.3
CRMS 0162	10.6	9.6	9.5	8.7	7.9	7.0	6.7	7.2	6.1	7.8	9.0	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-5.4	-5.2	-8.0	-7.5	-7.0	-5.6	-1.6	-1.1	-0.6	-1.2	-1.5	-1.7
CRMS0276 - Just east of Wilkinson Canal	0.5	0.1	0.7	0.0	-1.2	-0.6	0.0	0.9	0.4	1.4	0.1	0.8
Barataria Waterway at Lafitte (USACE82875)	-0.6	-0.9	0.3	-1.1	-2.5	-2.2	-1.3	-1.4	-1.5	-2.2	-1.3	-1.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.1	-1.5	-3.4	-3.3	-4.0	-2.9	0.4	0.8	0.8	0.5	0.5	0.8
USGS7380251 Barataria Bay North of Grand Isle	-0.1	0.1	-0.3	-0.4	-0.2	0.6	0.6	0.6	0.3	0.3	0.2	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.1	0.4	-0.7	-0.7	-1.2	0.4	1.4	1.9	1.6	1.0	0.3	0.7
USGS 07380335 - Little Lake Near Cutoff	0.6	0.7	-0.2	-0.4	-0.7	0.3	1.1	1.5	1.6	1.0	0.2	0.6
USGS073802516 Barataria Pass at Grand Isle	0.4	0.4	0.0	0.0	-0.3	0.1	0.1	0.2	0.9	-0.1	0.2	0.5
HWQ14 - Lake Washington	0.1	0.1	-0.2	0.1	0.3	0.5	0.7	1.2	0.7	0.6	0.1	0.1
HWQ16 - Bayou Grand Liard	0.6	0.4	1.3	1.7	1.4	1.7	1.2	0.8	0.4	1.0	0.6	0.5
CRMS 3985	0.0	0.0	0.3	0.7	0.8	1.2	0.4	0.5	0.2	-0.1	0.0	0.0
CRMS 0258	0.3	0.4	0.1	-0.6	-1.4	-1.1	1.4	1.4	0.9	0.2	0.4	1.0
CRMS 0224	0.5	0.7	0.2	0.4	0.2	0.7	0.8	1.6	1.3	0.4	0.6	0.9
CRMS 0163	0.1	-0.1	-0.1	0.1	0.7	-0.1	-0.7	-1.3	-0.9	-0.7	-0.3	-0.3
CRMS 0162	0.1	0.0	0.1	0.1	0.3	0.1	-0.1	0.0	-0.1	0.0	0.0	-0.1

Figure WQ DO 31 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.2	10.3	9.3	8.3	7.3	7.0	6.9	6.9	8.1	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.8	9.8	10.7	9.8	8.8	8.0	7.0	7.8	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.4	12.1	11.3	10.6	10.4	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.2	8.5	7.9	7.7	7.6	7.8	8.7	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.2	6.2	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.9	6.5	6.0	5.5	6.1	7.7	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	10.7	9.6	8.4	7.3	6.8	6.2	6.2	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.7	9.5	8.8	7.8	7.8	7.4	6.9	8.7	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.9	8.9	8.5	7.6	6.6	6.0	7.0	6.1	8.3	9.3	8.5
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	5.8	6.2	7.6	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.8	9.9	9.0	8.2	8.0	8.8	9.5	9.8
CRMS 0224	10.7	9.6	10.4	9.6	8.9	8.3	8.1	7.9	7.9	8.8	9.2	8.9
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.1	9.9	9.7	10.3	10.3	9.5	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.6	9.0	9.3

V3PR8 HYST - cy 0 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.7	1.3	1.0	1.1	0.9	4.8	5.5	5.4	6.1	6.7	8.4	4.3
CRMS0276 - Just east of Wilkinson Canal	10.0	10.2	10.5	10.3	9.3	9.7	9.0	8.9	7.0	8.3	9.5	9.8
Barataria Waterway at Lafitte (USACE82875)	10.4	9.6	11.1	10.9	11.2	9.7	8.7	8.5	8.5	8.9	8.9	8.8
USGS2928590900040000 Barataria Waterway South of Lafitte	9.3	5.0	4.2	4.4	3.6	7.1	7.8	7.7	7.9	8.8	10.4	8.1
USGS7380251 Barataria Bay North of Grand Isle	11.2	9.6	8.5	8.2	7.1	7.5	7.2	6.9	7.0	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	8.8	7.7	7.5	6.4	7.6	7.7	7.6	7.8	8.6	9.4	9.7
USGS 07380335 - Little Lake Near Cutoff	11.0	10.1	9.0	8.6	7.4	7.7	7.7	8.1	7.9	8.5	9.3	9.8
USGS073802516 Barataria Pass at Grand Isle	10.9	10.5	10.1	9.1	8.3	7.8	7.8	7.9	8.1	8.6	9.6	9.7
HWQ14 - Lake Washington	11.0	10.5	10.3	9.2	8.2	7.6	7.5	7.4	7.2	8.3	9.7	9.5
HWQ16 - Bayou Grand Liard	9.1	10.2	10.3	9.5	8.7	8.2	6.7	7.4	6.7	8.8	9.7	9.3
CRMS 3985	11.1	10.6	10.0	9.4	8.1	7.4	6.5	6.2	6.3	7.5	9.5	9.5
CRMS 0258	11.5	10.8	10.1	9.4	8.6	9.8	10.0	8.8	8.1	8.9	9.8	10.4
CRMS 0224	11.2	10.5	9.8	9.1	8.1	7.9	7.8	7.8	8.0	8.6	9.7	10.1
CRMS 0163	11.2	10.5	10.0	9.1	8.4	9.7	8.9	8.4	9.3	9.7	9.1	9.4
CRMS 0162	10.8	10.2	9.7	8.8	7.8	6.9	6.5	7.0	6.7	7.4	9.0	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-5.9	-8.9	-9.3	-8.2	-7.4	-2.5	-1.5	-1.5	-0.9	-1.4	-1.6	-5.5
CRMS0276 - Just east of Wilkinson Canal	0.3	0.6	0.7	0.5	-1.4	-0.1	0.2	0.8	-0.1	0.5	0.0	1.2
Barataria Waterway at Lafitte (USACE82875)	-0.6	-0.9	1.2	0.5	-0.9	-1.6	-1.9	-2.0	-1.5	-1.9	-1.9	-2.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.2	-5.1	-5.9	-4.9	-4.9	-0.8	0.1	0.2	0.1	0.2	0.4	-1.7
USGS7380251 Barataria Bay North of Grand Isle	0.0	-0.6	-1.5	-0.8	-0.4	0.9	1.0	0.7	0.3	0.2	0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	-0.9	-2.7	-1.6	-1.5	1.0	1.7	2.1	1.7	0.9	0.4	0.8
USGS 07380335 - Little Lake Near Cutoff	0.9	0.6	-1.7	-1.0	-1.0	0.5	1.0	1.9	1.7	0.9	0.2	1.2
USGS073802516 Barataria Pass at Grand Isle	0.4	0.8	-0.5	-0.3	-0.6	0.0	0.0	0.6	1.1	0.0	0.1	0.6
HWQ14 - Lake Washington	0.1	0.4	-0.1	0.2	0.3	0.6	1.1	1.3	0.7	0.5	0.1	0.1
HWQ16 - Bayou Grand Liard	0.5	1.3	1.3	1.0	1.1	1.5	0.7	0.4	0.6	0.5	0.4	0.8
CRMS 3985	0.1	0.3	0.3	0.7	0.7	1.0	0.6	0.4	0.1	-0.2	0.0	0.2
CRMS 0258	0.2	0.4	-0.3	-1.2	-2.1	-0.1	1.1	0.6	0.1	0.1	0.3	0.6
CRMS 0224	0.5	0.8	-0.7	-0.5	-0.8	-0.4	-0.3	-0.1	0.1	-0.2	0.4	1.2
CRMS 0163	0.1	0.0	0.0	0.0	0.2	-0.4	-1.0	-1.4	-0.9	-0.7	-0.4	-0.3
CRMS 0162	0.1	0.4	0.4	0.3	0.3	-0.1	-0.1	0.0	-0.1	-0.2	0.0	0.1

Figure WQ DO 32 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.1	8.9	7.8	6.4	6.3	6.1	6.4	7.8	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.4	9.6	9.9	10.2	8.6	7.9	7.3	6.1	7.6	10.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.6	11.7	12.5	10.6	9.4	9.4	9.6	11.1	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	9.9	9.8	8.7	7.6	6.5	6.5	6.4	6.5	8.0	9.8	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.8	6.7	6.6	6.3	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.3	9.1	8.0	6.4	6.0	5.4	6.0	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.4	8.3	7.1	6.6	5.9	6.2	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.5	7.6	7.5	7.0	6.8	8.7	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.2	7.1	6.7	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.7	8.8	8.3	7.1	6.6	6.9	8.7	6.5	8.0	8.9	8.4
CRMS 3985	11.0	10.2	9.8	9.0	7.7	6.5	6.1	5.7	6.1	7.5	9.5	9.3
CRMS 0258	10.9	10.2	9.8	9.8	9.6	7.1	6.9	6.8	6.8	8.0	9.8	9.7
CRMS 0224	10.6	9.3	9.9	8.7	7.5	6.3	6.1	5.7	6.2	7.9	9.1	8.9
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.2	7.7	9.3	10.7	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.0	6.9	6.8	5.6	7.8	9.0	9.3

V3PR8 HYST - cy 0 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.2	9.2	8.8	7.9	9.7	9.7	11.3	10.4	9.1	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.6	9.8	9.6	9.8	8.6	8.1	7.9	6.7	8.3	9.8	8.8
Barataria Waterway at Lafitte (USACE82875)	10.3	9.4	10.5	10.2	9.4	8.8	8.4	8.4	8.2	9.2	9.1	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.1	9.8	9.8	8.2	10.0	10.7	10.4	9.4	10.5	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.8	9.5	9.4	7.3	6.6	6.3	6.7	7.9	9.6	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	10.6	10.2	9.5	9.0	7.2	6.2	5.5	6.0	7.5	9.0	9.1
USGS 07380335 - Little Lake Near Cutoff	10.3	10.7	11.0	9.8	9.6	7.6	6.8	5.9	6.1	7.3	8.8	8.9
USGS073802516 Barataria Pass at Grand Isle	10.5	10.2	11.4	10.1	10.0	7.8	7.5	7.0	6.7	8.5	9.4	9.2
HWQ14 - Lake Washington	10.9	10.2	10.7	9.9	8.8	7.4	6.7	6.2	6.5	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.4	9.1	8.4	8.1	6.6	6.6	8.4	6.4	8.1	9.0	8.3
CRMS 3985	11.0	10.3	9.8	8.9	8.1	6.7	6.0	5.8	6.2	7.5	9.5	9.3
CRMS 0258	11.1	10.7	10.2	10.1	11.2	7.9	7.6	7.4	6.7	7.9	9.8	9.8
CRMS 0224	10.7	10.3	10.8	9.7	11.7	7.3	6.8	5.9	5.6	7.3	8.9	9.3
CRMS 0163	11.1	10.4	10.0	9.6	9.7	9.4	7.6	7.3	9.2	10.4	9.5	9.6
CRMS 0162	10.5	9.9	9.5	8.5	7.7	7.1	6.9	6.8	5.6	7.8	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.5	-0.9	-0.8	-0.1	0.0	3.3	3.4	5.1	4.0	1.3	-0.7	0.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.2	-0.4	-0.4	0.0	0.2	0.6	0.6	0.7	-0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	-0.6	-1.0	-0.2	-1.5	-3.1	-1.9	-0.9	-1.0	-1.4	-1.9	-1.7	-1.7
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.2	0.0	1.1	0.6	3.5	4.2	4.1	2.9	2.5	0.1	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.3	-0.1	0.4	1.6	0.6	0.0	0.1	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.9	-0.1	0.4	1.0	0.8	0.2	0.1	0.0	-0.1	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	1.3	0.5	0.4	1.4	0.5	0.2	0.0	-0.1	-0.2	0.0	0.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.6	0.8	0.8	1.5	0.2	0.0	0.0	-0.1	-0.2	0.0	0.0
HWQ14 - Lake Washington	0.0	0.2	0.2	0.7	0.6	0.3	0.0	0.0	0.0	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.7	0.3	0.2	1.0	0.0	-0.3	-0.3	-0.1	0.2	0.1	0.0
CRMS 3985	0.0	0.1	0.0	0.0	0.4	0.2	-0.1	0.2	0.1	0.0	0.0	0.0
CRMS 0258	0.1	0.5	0.3	0.4	1.5	0.8	0.7	0.6	-0.1	-0.1	0.0	0.1
CRMS 0224	0.1	1.0	0.8	1.1	4.2	1.0	0.6	0.2	-0.7	-0.6	-0.1	0.4
CRMS 0163	0.2	0.0	0.0	0.0	-0.6	-0.6	-0.6	-0.4	-0.1	-0.3	-0.1	0.0
CRMS 0162	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 33 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.3	10.3	9.3	8.3	7.3	7.5	7.8	7.4	8.4	10.0	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.1	10.0	10.7	10.1	9.0	9.0	8.1	7.6	9.7	9.5
Barataria Waterway at Lafitte (USACE82875)	11.1	10.4	10.0	11.1	13.1	12.1	11.5	11.0	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.2	10.2	9.2	8.5	7.9	7.8	7.8	8.1	8.8	10.1	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.8	6.5	6.7	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.0	7.9	6.4	6.2	5.8	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.6	10.6	9.5	8.3	7.0	6.4	6.8	6.3	7.9	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	10.6	9.3	8.6	7.7	7.5	8.0	7.3	8.9	9.5	9.0
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	8.0	7.0	6.8	6.2	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.8	8.2	7.3	6.7	6.2	5.6	6.0	6.8	9.1	9.2
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	6.3	5.9	6.2	7.5	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.7	10.5	10.9	11.3	8.6	9.0	9.5	9.4
CRMS 0224	10.7	9.7	10.4	9.5	8.7	8.2	8.2	8.1	8.2	9.0	9.3	8.9
CRMS 0163	11.2	10.6	10.0	9.1	9.0	10.0	11.2	11.0	10.7	10.9	9.5	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.6	6.8	6.3	6.6	6.9	7.9	9.0	9.3

V3PR8 HYST - cy 0 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.0	7.6	6.9	6.6	8.9	9.8	9.1	9.4	9.7
CRMS0276 - Just east of Wilkinson Canal	10.5	10.1	10.2	10.9	11.0	10.7	10.2	10.6	7.4	8.3	9.4	9.5
Barataria Waterway at Lafitte (USACE82875)	10.5	9.7	11.1	10.8	10.0	9.7	9.2	9.4	9.5	9.8	9.7	9.0
USGS2928590900040000 Barataria Waterway South of Lafitte	10.1	9.3	9.1	8.5	7.7	6.8	6.4	8.3	10.1	10.8	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.3	9.7	8.9	8.0	7.4	7.5	8.1	6.6	7.8	9.4	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.2	9.7	8.8	7.8	6.7	6.3	6.8	6.6	7.7	9.0	9.1
USGS 07380335 - Little Lake Near Cutoff	11.3	10.5	9.8	9.0	8.2	6.8	6.3	6.7	6.2	7.6	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	11.0	10.4	9.8	10.8	10.5	10.1	9.1	9.3	7.6	8.5	9.4	9.1
HWQ14 - Lake Washington	11.0	10.4	9.9	10.5	9.4	8.8	7.6	6.7	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	10.0	10.1	9.6	9.4	8.5	7.6	6.9	6.3	5.9	7.4	9.1	9.0
CRMS 3985	11.1	10.5	9.8	9.1	8.2	7.2	6.2	5.6	6.2	7.4	9.5	9.3
CRMS 0258	11.6	10.7	10.2	9.4	10.0	13.5	15.5	13.7	8.5	8.8	9.5	9.7
CRMS 0224	11.4	10.7	10.0	9.3	11.6	13.1	14.7	12.1	7.9	8.7	9.1	9.5
CRMS 0163	11.2	10.6	10.1	9.4	9.3	10.4	10.9	10.7	10.6	10.7	9.5	9.5
CRMS 0162	10.6	9.9	9.4	8.6	7.7	6.9	6.3	6.6	6.9	7.9	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.6	-1.8	-2.1	-1.3	-0.7	-0.4	-0.9	1.1	2.4	0.7	-0.6	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.8	0.5	0.0	0.8	0.3	0.6	1.2	1.5	-0.6	0.8	-0.3	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.6	-0.7	1.2	-0.3	-3.1	-2.4	-2.3	-1.7	-0.7	-1.4	-1.1	-1.8
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.4	-0.9	-1.1	-0.7	-0.8	-1.1	-1.4	0.5	2.0	1.9	-0.1	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.1	-0.3	-0.1	0.5	0.8	0.7	1.6	-0.1	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.5	0.4	-0.6	-0.3	-0.1	0.2	0.1	1.0	0.3	-0.1	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	1.1	0.9	-0.7	-0.6	-0.2	-0.2	-0.1	-0.1	-0.1	-0.3	-0.2	0.2
USGS073802516 Barataria Pass at Grand Isle	0.6	0.7	-0.8	1.5	2.0	2.4	1.6	1.3	0.3	-0.4	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.3	-0.5	1.5	1.5	1.8	0.8	0.5	-0.1	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	1.3	1.1	0.7	1.2	1.2	0.9	0.6	0.7	-0.1	0.6	0.0	-0.2
CRMS 3985	0.1	0.2	0.1	0.4	0.7	0.8	-0.1	-0.3	-0.1	-0.1	0.0	0.0
CRMS 0258	0.2	0.3	-0.3	-1.2	-0.7	3.0	4.6	2.4	-0.1	-0.2	0.0	0.3
CRMS 0224	0.7	1.0	-0.4	-0.1	3.0	5.0	6.6	4.0	-0.3	-0.4	-0.2	0.6
CRMS 0163	0.0	0.0	0.0	0.3	0.3	0.4	-0.4	-0.3	-0.1	-0.2	0.0	0.0
CRMS 0162	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 34 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.3	8.3	7.3	7.5	7.7	7.3	8.4	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.3	9.8	9.9	10.6	10.5	9.3	8.9	7.9	7.7	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.8	11.6	11.7	10.8	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.3	8.6	8.1	7.9	7.9	8.1	8.9	10.1	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.0	7.5	6.5	6.3	6.2	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.2	9.1	7.9	6.5	6.0	5.6	6.2	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.3	10.4	9.6	8.4	7.2	6.6	6.7	6.3	7.8	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.4	8.8	8.0	7.9	7.8	6.9	8.8	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	6.9	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.6	8.3	7.5	6.7	6.2	5.7	6.0	7.4	9.2	8.4
CRMS 3985	11.0	10.2	9.8	8.8	7.4	6.4	5.9	5.8	6.3	7.6	9.5	9.3
CRMS 0258	11.0	9.8	10.2	10.6	10.7	10.6	11.0	10.9	8.1	9.0	9.6	10.0
CRMS 0224	10.7	9.5	10.2	9.5	8.9	8.4	8.3	8.3	8.2	9.0	9.3	9.0
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.2	11.2	10.6	10.7	10.8	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.5	6.3	6.8	6.9	7.9	9.1	9.3

V3PR8 HYST - cy 0 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.3	8.0	7.5	6.9	6.6	10.4	9.9	9.2	9.3	8.2
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.0	11.1	10.2	9.1	10.2	9.7	7.1	8.1	9.3	9.7
Barataria Waterway at Lafitte (USACE82875)	10.3	9.3	9.4	10.3	10.6	10.2	9.4	9.4	9.4	9.6	9.2	8.9
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.5	9.1	8.5	7.6	6.8	6.4	11.4	10.0	10.7	9.9	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.6	8.8	7.4	6.2	7.0	6.9	6.6	7.8	9.4	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.8	9.6	8.7	7.4	6.3	6.2	7.6	6.5	7.8	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	10.2	9.6	9.8	8.9	7.3	6.2	6.2	7.4	6.3	7.6	8.9	9.8
USGS073802516 Barataria Pass at Grand Isle	10.5	9.7	9.8	10.7	9.7	8.5	9.7	9.6	7.8	8.7	9.4	9.5
HWQ14 - Lake Washington	10.9	10.1	9.8	10.2	9.0	7.2	7.9	6.9	6.4	7.6	9.5	9.5
HWQ16 - Bayou Grand Liard	8.5	8.6	9.7	9.4	8.0	7.0	7.0	5.8	6.0	7.6	9.2	9.2
CRMS 3985	11.0	10.2	9.8	9.0	7.5	6.3	6.2	5.8	6.2	7.4	9.5	9.6
CRMS 0258	11.1	10.0	10.1	9.3	8.4	8.4	14.3	10.9	7.8	8.7	9.6	10.2
CRMS 0224	10.7	9.6	9.9	9.2	7.9	7.5	13.8	9.3	7.6	8.7	9.1	10.0
CRMS 0163	11.1	10.4	10.0	9.3	8.2	9.3	10.9	10.5	10.6	10.6	9.4	9.8
CRMS 0162	10.6	9.6	9.3	8.6	7.5	6.6	6.3	6.7	7.0	7.8	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.5	0.2	-1.9	-1.3	-0.8	-0.4	-0.8	2.7	2.6	0.9	-0.7	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.4	0.2	1.2	-0.4	-1.4	0.9	0.8	-0.7	0.4	-0.1	0.8
Barataria Waterway at Lafitte (USACE82875)	-0.5	-1.0	-0.7	-0.4	-1.2	-1.5	-2.2	-1.4	-0.7	-1.4	-1.7	-1.8
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.4	-1.1	-0.8	-1.0	-1.3	-1.5	3.5	1.9	1.9	-0.2	-0.9
USGS7380251 Barataria Bay North of Grand Isle	-0.1	0.0	-0.3	-0.2	-0.1	-0.4	0.7	0.7	-0.1	-0.1	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.1	0.2	-0.6	-0.3	-0.5	-0.2	0.2	2.0	0.3	0.0	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.1	0.2	-0.6	-0.7	-1.0	-1.0	-0.4	0.7	0.0	-0.2	-0.2	1.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.1	-0.7	1.3	0.9	0.4	1.8	1.8	0.8	0.0	-0.1	0.5
HWQ14 - Lake Washington	0.0	0.0	-0.5	1.2	1.1	0.3	1.5	0.8	-0.1	-0.3	-0.1	0.2
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	1.1	0.5	0.3	0.9	0.2	-0.1	0.1	-0.1	0.8
CRMS 3985	0.0	0.0	0.0	0.3	0.0	-0.1	0.3	0.0	0.0	-0.2	0.0	0.3
CRMS 0258	0.1	0.2	-0.1	-1.4	-2.3	-2.2	3.3	0.0	-0.3	-0.3	0.0	0.2
CRMS 0224	0.0	0.1	-0.3	-0.4	-1.0	-0.9	5.5	1.0	-0.7	-0.3	-0.2	1.0
CRMS 0163	0.2	0.1	0.0	0.2	0.1	1.0	-0.4	-0.1	-0.1	-0.3	0.0	-0.1
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	0.0	0.0

Figure WQ DO 35 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.1	10.2	9.1	7.9	6.9	6.8	6.5	6.6	7.9	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	9.2	9.7	10.2	10.6	9.8	8.5	7.3	6.8	7.5	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	10.2	11.6	12.9	11.8	10.0	9.7	9.9	11.3	10.8	10.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	9.9	8.9	7.9	7.2	7.1	6.9	7.1	8.3	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.5	6.6	6.7	6.3	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.8	6.4	6.1	5.5	6.1	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.5	8.3	7.0	6.5	6.1	6.2	7.5	8.9	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.6	7.6	7.5	7.4	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.0	7.0	6.8	6.3	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.6	8.7	8.1	7.4	6.7	6.1	8.2	6.4	7.6	8.9	8.4
CRMS 3985	11.0	10.2	9.7	8.9	7.5	6.4	6.3	5.7	6.1	7.6	9.5	9.3
CRMS 0258	11.1	10.1	10.2	10.2	10.2	10.2	8.3	7.3	7.1	8.6	9.5	9.1
CRMS 0224	10.6	9.4	10.0	8.8	8.0	7.1	6.9	6.0	6.5	8.1	9.1	8.8
CRMS 0163	11.1	10.4	10.0	9.3	8.5	10.3	9.0	8.6	9.9	10.8	9.5	9.6
CRMS 0162	10.5	9.6	9.4	8.6	7.5	6.9	6.7	7.2	6.3	7.9	9.1	9.3

V3PR9 HYST - cy 0 - 1970 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.2	10.2	9.1	7.9	6.9	6.6	6.3	6.5	7.9	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.2	9.7	10.0	10.1	9.2	8.4	7.5	6.9	8.7	9.9	9.6
Barataria Waterway at Lafitte (USACE82875)	10.3	9.4	10.4	10.4	10.3	9.7	8.8	8.7	8.6	9.3	9.4	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	9.9	8.8	7.8	6.9	6.8	6.6	6.8	8.1	9.8	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.2	7.8	6.7	6.3	6.2	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.2	9.1	7.8	6.3	5.8	5.2	5.9	7.6	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.3	9.5	8.3	7.1	6.7	5.9	6.2	7.4	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.6	7.7	7.8	7.0	6.7	8.6	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.2	9.3	8.2	7.0	6.4	6.1	6.4	8.1	9.6	9.4
HWQ16 - Bayou Grand Liard	8.6	8.6	8.9	8.0	7.2	6.5	6.2	8.6	6.4	8.0	9.1	8.8
CRMS 3985	11.0	10.2	9.7	9.0	7.6	6.4	5.9	5.7	6.2	7.6	9.5	9.3
CRMS 0258	11.2	10.1	10.2	10.1	10.0	10.1	8.1	7.1	7.1	8.6	9.5	9.0
CRMS 0224	10.6	9.4	10.0	8.8	7.9	7.0	6.5	6.1	6.5	8.0	9.0	8.7
CRMS 0163	11.2	10.5	10.1	9.3	8.6	10.5	8.7	8.1	9.8	10.6	9.5	9.6
CRMS 0162	10.5	9.6	9.4	8.5	7.5	6.9	6.7	7.1	6.3	7.8	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.2	-0.1	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.0	0.0	-0.1	-0.5	-0.5	-0.2	0.1	0.2	1.2	0.0	0.8
Barataria Waterway at Lafitte (USACE82875)	-0.6	-0.9	0.3	-1.2	-2.6	-2.0	-1.2	-1.0	-1.3	-2.0	-1.4	-1.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.3	-0.4	-0.3	-0.1	-0.1	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.1	0.3	0.1	-0.5	-0.1	0.0	0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	-0.3	-0.3	-0.1	0.0	-0.1	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	-0.1	0.0	0.0	0.1	0.2	-0.2	0.0	-0.1	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.1	0.0	0.1	0.2	-0.3	-0.3	-0.1	-0.1	0.0
HWQ14 - Lake Washington	0.0	0.0	-0.2	0.2	0.2	0.0	-0.3	-0.2	0.0	0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	0.0	0.2	-0.1	-0.1	-0.2	0.1	0.4	0.0	0.4	0.2	0.5
CRMS 3985	0.0	0.0	0.0	0.1	0.2	0.0	-0.3	0.0	0.0	0.1	0.0	0.0
CRMS 0258	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.2	-0.2	0.0	0.0	0.0	-0.1
CRMS 0224	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.3	0.0	-0.1	-0.1	-0.1	-0.1
CRMS 0163	0.1	0.1	0.0	0.1	0.1	0.1	-0.3	-0.5	-0.1	-0.2	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 36 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.2	10.3	9.3	8.3	7.3	7.0	6.9	6.9	8.1	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.8	9.8	10.7	9.8	8.8	8.0	7.0	7.8	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.4	9.9	10.4	12.1	11.3	10.6	10.4	10.0	10.8	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.2	8.5	7.9	7.7	7.6	7.8	8.7	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.2	6.2	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.1	7.9	6.5	6.0	5.5	6.1	7.7	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	10.7	9.6	8.4	7.3	6.8	6.2	6.2	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.7	9.5	8.8	7.8	7.8	7.4	6.9	8.7	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.9	8.9	8.5	7.6	6.6	6.0	7.0	6.1	8.3	9.3	8.5
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	5.8	6.2	7.6	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.8	9.9	9.0	8.2	8.0	8.8	9.5	9.8
CRMS 0224	10.7	9.6	10.4	9.6	8.9	8.3	8.1	7.9	7.9	8.8	9.2	8.9
CRMS 0163	11.1	10.5	10.0	9.1	8.2	10.1	9.9	9.7	10.3	10.3	9.5	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.6	9.0	9.3

V3PR9 HYST - cy 0 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.2	10.3	9.2	8.2	7.2	6.9	6.8	6.9	8.1	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.3	10.1	10.1	10.2	9.5	8.6	8.1	6.8	8.1	9.3	9.8
Barataria Waterway at Lafitte (USACE82875)	10.4	9.6	11.3	11.1	11.3	9.8	8.9	8.9	8.8	9.2	8.9	8.9
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.2	8.4	7.8	7.6	7.5	7.7	8.6	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.0	7.5	6.6	6.2	6.4	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.2	9.0	7.9	6.4	5.8	5.5	6.0	7.6	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	10.5	9.4	8.4	7.2	6.7	6.2	6.2	7.5	9.1	8.5
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.6	9.4	8.8	7.8	7.8	7.2	6.9	8.6	9.4	9.0
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	8.0	7.0	6.4	6.1	6.5	8.0	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	8.8	8.8	8.1	7.4	6.5	6.1	6.7	6.4	8.4	9.2	9.0
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	6.0	6.2	7.6	9.5	9.3
CRMS 0258	11.3	10.4	10.3	10.5	10.6	9.8	8.9	8.1	8.0	8.7	9.4	9.8
CRMS 0224	10.7	9.6	10.3	9.4	8.8	8.1	8.0	7.8	7.6	8.5	9.2	8.8
CRMS 0163	11.2	10.6	10.0	9.1	8.2	10.4	9.7	9.3	10.2	10.3	9.4	9.7
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.0	6.6	7.1	6.8	7.6	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.3	0.3	-0.5	-0.3	-0.2	0.1	-0.2	0.3	-0.1	1.2
Barataria Waterway at Lafitte (USACE82875)	-0.6	-0.8	1.4	0.7	-0.9	-1.5	-1.7	-1.6	-1.2	-1.6	-1.8	-2.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.2	0.0	-0.1	-0.1	0.0	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.1	-0.1
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	-0.1	-0.2	-0.3	-0.3	-0.1	0.1	-0.3	0.4	0.1	-0.1	0.6
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	0.0
CRMS 0224	0.0	0.0	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.3	-0.3	-0.1	-0.1
CRMS 0163	0.1	0.1	0.0	0.1	0.1	0.3	-0.3	-0.4	-0.1	0.0	-0.1	-0.1
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 37 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.1	8.9	7.8	6.4	6.3	6.1	6.4	7.8	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.4	9.6	9.9	10.2	8.6	7.9	7.3	6.1	7.6	10.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	10.6	11.7	12.5	10.6	9.4	9.4	9.6	11.1	10.8	11.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	9.9	9.8	8.7	7.6	6.5	6.5	6.4	6.5	8.0	9.8	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.1	7.8	6.7	6.6	6.3	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.3	9.1	8.0	6.4	6.0	5.4	6.0	7.6	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.1	9.4	10.4	9.4	8.3	7.1	6.6	5.9	6.2	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.5	7.6	7.5	7.0	6.8	8.7	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.4	9.2	8.2	7.1	6.7	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.7	8.8	8.3	7.1	6.6	6.9	8.7	6.5	8.0	8.9	8.4
CRMS 3985	11.0	10.2	9.8	9.0	7.7	6.5	6.1	5.7	6.1	7.5	9.5	9.3
CRMS 0258	10.9	10.2	9.8	9.8	9.6	7.1	6.9	6.8	6.8	8.0	9.8	9.7
CRMS 0224	10.6	9.3	9.9	8.7	7.5	6.3	6.1	5.7	6.2	7.9	9.1	8.9
CRMS 0163	10.9	10.4	10.0	9.6	10.3	10.0	8.2	7.7	9.3	10.7	9.5	9.7
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.0	6.9	6.8	5.6	7.8	9.0	9.3

V3PR9 HYST - cy 0 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.1	8.9	7.8	6.4	6.4	6.2	6.4	7.8	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.1	10.3	8.9	9.2	8.0	7.8	7.3	7.0	8.3	9.8	9.1
Barataria Waterway at Lafitte (USACE82875)	10.3	9.5	10.6	10.3	9.4	8.8	8.4	8.5	8.1	9.2	9.0	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	9.9	9.8	8.7	7.5	6.5	6.5	6.4	6.5	8.0	9.8	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.2	8.0	6.8	6.6	6.3	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.2	9.1	7.9	6.4	5.9	5.3	5.9	7.5	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	10.0	9.4	10.3	9.4	8.3	7.1	6.5	5.8	6.2	7.3	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.3	8.5	7.6	7.6	7.0	6.7	8.5	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.3	9.4	8.4	7.1	6.7	6.1	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.7	9.5	8.2	7.1	6.6	7.0	8.8	6.7	8.4	9.1	8.5
CRMS 3985	11.0	10.2	9.8	9.0	7.8	6.6	6.1	5.5	6.1	7.5	9.5	9.3
CRMS 0258	11.0	10.2	9.8	9.7	9.4	7.1	6.9	6.8	6.9	7.9	9.7	9.7
CRMS 0224	10.6	9.3	9.9	8.6	7.4	6.4	6.2	5.8	6.3	7.9	8.9	8.7
CRMS 0163	11.1	10.5	10.1	9.6	9.7	9.4	7.6	7.2	9.2	10.4	9.5	9.6
CRMS 0162	10.6	9.9	9.5	8.6	7.7	7.1	6.8	6.8	5.6	7.8	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	-0.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.6	-1.0	-1.0	-0.6	-0.1	0.0	0.9	0.7	-0.1	0.5
Barataria Waterway at Lafitte (USACE82875)	-0.5	-1.0	-0.1	-1.4	-3.0	-1.8	-0.9	-0.9	-1.5	-1.9	-1.8	-1.6
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.1	0.2	0.1	0.1	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.1	-0.1	0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1	-0.1
HWQ14 - Lake Washington	0.0	0.0	-0.2	0.2	0.2	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.7	-0.1	0.0	0.0	0.1	0.1	0.2	0.4	0.2	0.1
CRMS 3985	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	-0.1	-0.1	-0.2	0.0	0.0	0.0	0.1	-0.1	-0.1	-0.1
CRMS 0224	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	-0.2	-0.1
CRMS 0163	0.2	0.1	0.0	0.1	-0.6	-0.6	-0.7	-0.5	-0.2	-0.3	-0.1	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0

Figure WQ DO 38 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.3	10.3	9.3	8.3	7.3	7.5	7.8	7.4	8.4	10.0	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	10.1	10.0	10.7	10.1	9.0	9.0	8.1	7.6	9.7	9.5
Barataria Waterway at Lafitte (USACE82875)	11.1	10.4	10.0	11.1	13.1	12.1	11.5	11.0	10.2	11.2	10.8	10.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.2	10.2	9.2	8.5	7.9	7.8	7.8	8.1	8.8	10.1	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.8	6.5	6.7	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.3	9.0	7.9	6.4	6.2	5.8	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.6	10.6	9.5	8.3	7.0	6.4	6.8	6.3	7.9	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	10.6	9.3	8.6	7.7	7.5	8.0	7.3	8.9	9.5	9.0
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	8.0	7.0	6.8	6.2	6.5	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.8	8.2	7.3	6.7	6.2	5.6	6.0	6.8	9.1	9.2
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	6.3	5.9	6.2	7.5	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.6	10.7	10.5	10.9	11.3	8.6	9.0	9.5	9.4
CRMS 0224	10.7	9.7	10.4	9.5	8.7	8.2	8.2	8.1	8.2	9.0	9.3	8.9
CRMS 0163	11.2	10.6	10.0	9.1	9.0	10.0	11.2	11.0	10.7	10.9	9.5	9.6
CRMS 0162	10.6	9.8	9.4	8.6	7.6	6.8	6.3	6.6	6.9	7.9	9.0	9.3

V3PR9 HYST - cy 0 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.5	10.3	10.3	9.3	8.2	7.1	7.4	7.8	7.4	8.3	10.0	9.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.5	10.1	10.3	10.2	9.5	8.8	8.4	7.2	8.6	9.4	9.3
Barataria Waterway at Lafitte (USACE82875)	10.5	9.7	11.2	11.1	10.3	10.0	9.3	9.3	9.4	9.7	9.6	8.9
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.2	10.2	9.2	8.4	7.8	7.8	7.8	8.0	8.8	10.0	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.2	10.0	9.0	7.5	6.6	6.9	6.5	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.7	10.2	9.0	7.8	6.3	6.1	5.7	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	10.5	9.4	8.4	7.0	6.4	6.7	6.2	7.8	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	10.6	9.3	8.5	7.7	7.5	7.9	7.2	8.9	9.4	9.0
HWQ14 - Lake Washington	10.9	10.1	10.3	9.1	8.0	7.0	6.9	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	8.9	8.7	8.0	7.0	6.6	6.2	5.7	6.1	7.8	9.3	9.2
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.5	6.3	5.9	6.2	7.6	9.5	9.3
CRMS 0258	11.3	10.4	10.4	10.5	10.6	10.4	10.8	11.4	8.6	8.9	9.5	9.3
CRMS 0224	10.7	9.7	10.4	9.3	8.6	8.0	8.0	8.0	8.2	9.0	9.2	8.9
CRMS 0163	11.2	10.6	10.1	9.3	8.9	10.2	11.2	10.7	10.6	10.7	9.4	9.5
CRMS 0162	10.6	9.8	9.4	8.6	7.6	6.8	6.3	6.6	6.9	7.9	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.0	0.3	-0.5	-0.6	-0.2	-0.6	-0.8	1.0	-0.3	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.5	-0.7	1.2	0.0	-2.9	-2.1	-2.2	-1.7	-0.8	-1.6	-1.2	-1.9
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	0.0	0.1	0.1	1.0	0.1	0.0
CRMS 3985	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
CRMS 0258	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1
CRMS 0224	0.0	0.0	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1
CRMS 0163	0.1	0.0	0.0	0.2	-0.1	0.2	-0.1	-0.3	-0.1	-0.2	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 39 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.3	8.3	7.3	7.5	7.7	7.3	8.4	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.3	9.8	9.9	10.6	10.5	9.3	8.9	7.9	7.7	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	10.1	10.8	11.8	11.6	11.7	10.8	10.1	11.0	10.9	10.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.1	9.3	8.6	8.1	7.9	7.9	8.1	8.9	10.1	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.0	7.5	6.5	6.3	6.2	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.2	9.1	7.9	6.5	6.0	5.6	6.2	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.3	10.4	9.6	8.4	7.2	6.6	6.7	6.3	7.8	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.4	8.8	8.0	7.9	7.8	6.9	8.8	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.4	9.0	7.9	6.9	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.6	8.3	7.5	6.7	6.2	5.7	6.0	7.4	9.2	8.4
CRMS 3985	11.0	10.2	9.8	8.8	7.4	6.4	5.9	5.8	6.3	7.6	9.5	9.3
CRMS 0258	11.0	9.8	10.2	10.6	10.7	10.6	11.0	10.9	8.1	9.0	9.6	10.0
CRMS 0224	10.7	9.5	10.2	9.5	8.9	8.4	8.3	8.3	8.2	9.0	9.3	9.0
CRMS 0163	10.9	10.3	10.0	9.1	8.1	8.2	11.2	10.6	10.7	10.8	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.5	6.3	6.8	6.9	7.9	9.1	9.3

V3PR9 HYST - cy 0 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.3	8.3	7.2	7.5	7.9	7.4	8.3	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.9	10.0	10.1	9.8	9.1	8.5	6.8	8.2	9.3	9.6
Barataria Waterway at Lafitte (USACE82875)	10.3	9.3	9.5	10.6	11.0	10.3	9.6	9.3	9.3	9.5	9.1	9.1
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.1	10.2	9.2	8.5	8.0	7.9	8.0	8.1	8.8	10.1	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	9.2	7.6	6.6	6.9	6.5	6.8	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.6	10.2	9.1	7.9	6.4	6.2	5.7	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.3	10.3	9.5	8.4	7.0	6.4	6.8	6.2	7.7	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.6	10.5	9.4	8.7	7.8	7.6	7.9	7.2	8.9	9.4	9.1
HWQ14 - Lake Washington	10.9	10.1	10.3	9.2	8.0	7.0	6.9	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.6	9.8	8.1	7.2	6.6	6.2	5.7	6.1	8.1	9.1	8.7
CRMS 3985	11.0	10.3	9.7	8.9	7.5	6.4	6.4	5.9	6.3	7.6	9.5	9.3
CRMS 0258	11.0	9.8	10.1	10.5	10.5	10.6	10.9	11.0	8.1	8.9	9.5	10.0
CRMS 0224	10.7	9.5	10.2	9.3	8.7	8.3	8.3	8.3	8.3	9.0	9.2	8.9
CRMS 0163	11.1	10.4	10.0	9.2	8.1	8.6	11.2	10.4	10.6	10.6	9.4	9.8
CRMS 0162	10.5	9.6	9.3	8.6	7.5	6.5	6.3	6.8	6.9	7.9	9.1	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.2	0.1	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.5	0.1	0.1	-0.4	-0.7	-0.3	-0.4	-1.1	0.4	-0.2	0.7
Barataria Waterway at Lafitte (USACE82875)	-0.5	-1.0	-0.6	-0.2	-0.8	-1.3	-2.1	-1.5	-0.8	-1.5	-1.7	-1.6
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.2	0.1	0.1	0.6	0.3	0.1	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	0.0	-0.1	0.1	0.1	0.1	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	-0.1	-0.1	0.0	-0.1	-0.2	0.1	0.0	0.0	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.1	0.0	0.0	-0.2	-0.3	0.1	0.3	0.1	0.0	0.0
HWQ14 - Lake Washington	0.0	0.0	-0.1	0.2	0.0	0.0	0.5	0.2	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.2	-0.2	-0.3	-0.1	0.1	0.0	0.1	0.6	-0.1	0.3
CRMS 3985	0.0	0.0	0.0	0.1	0.1	0.1	0.5	0.1	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.0	-0.1	-0.1	-0.2	-0.1	-0.1	0.1	0.0	-0.1	-0.1	0.0
CRMS 0224	0.0	0.0	0.0	-0.2	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1
CRMS 0163	0.1	0.1	0.0	0.1	0.0	0.4	0.0	-0.2	-0.1	-0.3	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 40 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.1	8.1	7.2	6.8	6.3	6.6	8.0	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.6	10.4	11.1	10.5	8.8	7.8	7.6	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.5	11.0	10.0	9.9	9.9	9.9	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.5	7.2	7.4	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.2	8.9	7.5	6.5	6.2	6.1	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.9	6.3	5.9	6.4	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.5	8.5	7.3	6.8	6.3	6.3	7.7	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.7	10.6	9.7	8.7	7.7	7.7	7.5	7.0	8.8	9.4	9.2
HWQ14 - Lake Washington	10.9	10.1	10.2	8.9	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.9	8.6	7.9	7.0	6.0	6.5	6.0	6.8	7.9	8.1
CRMS 3985	11.0	10.2	9.9	8.7	7.5	6.5	6.1	5.9	6.4	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.3	10.3	10.4	10.3	9.3	7.6	7.4	8.6	9.5	9.4
CRMS 0224	10.4	9.5	10.1	9.4	8.6	7.7	6.8	5.7	6.5	8.3	9.2	8.7
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.4	10.2	8.7	9.6	10.0
CRMS 0162	10.6	10.0	9.3	8.6	7.5	7.5	6.9	8.0	6.7	7.8	9.0	9.5

V3PR2 HYST - cy 1 - 1975 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.5	9.0	8.6	8.3	7.7	6.9	7.5	7.9	8.0	8.5	9.3	9.6
CRMS0276 - Just east of Wilkinson Canal	10.1	9.8	9.7	9.9	10.7	10.1	8.9	8.2	7.5	7.9	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.4	11.1	10.2	9.7	9.9	9.9	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	10.2	9.4	8.8	7.8	6.9	10.3	10.6	9.0	10.4	9.7	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.8	9.4	9.8	8.6	7.0	6.2	6.4	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.7	10.0	9.3	9.0	9.6	7.7	6.2	6.3	7.7	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.8	10.5	9.9	9.9	9.7	8.9	6.6	6.4	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.7	10.2	10.1	10.7	9.9	8.5	7.9	7.6	6.8	8.6	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	10.0	10.0	8.7	7.5	6.7	6.1	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.1	9.4	9.4	9.3	8.2	7.1	6.2	5.8	6.0	6.8	8.0	8.1
CRMS 3985	11.0	10.3	9.8	9.5	8.2	6.9	5.9	5.8	6.3	7.4	9.5	9.2
CRMS 0258	11.4	10.6	10.2	11.3	12.6	11.8	10.3	8.2	7.6	8.7	9.6	9.8
CRMS 0224	11.0	10.3	9.9	11.1	12.3	10.3	8.7	6.5	6.1	7.7	9.0	9.2
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.6	10.0	8.7	9.6	10.0
CRMS 0162	10.6	10.0	9.4	8.6	7.6	7.4	7.0	8.1	6.7	7.7	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-1.1	-1.7	-0.9	-0.5	-0.3	0.7	1.7	1.4	0.6	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.2	-0.5	-0.4	-0.3	0.1	0.4	-0.1	0.0	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.2	-0.2	0.0	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.4	0.2	-0.6	-0.4	-0.6	-0.9	2.8	3.3	1.7	1.9	-0.3	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.3	0.5	2.3	2.0	0.8	0.1	-0.4	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.0	-0.3	0.1	0.9	2.7	1.4	0.3	-0.1	-0.2	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.8	0.9	-0.7	0.3	1.2	1.5	-0.2	0.1	-0.3	-0.3	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.4	0.5	-0.5	1.0	1.2	0.7	0.1	0.1	-0.2	-0.2	0.0	0.0
HWQ14 - Lake Washington	0.1	0.1	-0.3	1.0	0.8	0.5	0.2	0.0	-0.2	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.4	0.4	0.4	0.7	0.3	0.1	0.2	-0.7	-0.1	0.0	0.0	0.1
CRMS 3985	0.0	0.1	-0.2	0.8	0.7	0.4	-0.2	0.0	-0.1	-0.2	0.0	0.0
CRMS 0258	0.3	0.5	-0.1	1.0	2.2	1.5	1.0	0.6	0.2	0.1	0.1	0.3
CRMS 0224	0.6	0.8	-0.2	1.7	3.6	2.5	1.9	0.8	-0.4	-0.5	-0.2	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	-0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.1	0.0	-0.1	0.0	0.0

Figure WQ DO 41 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.1	10.3	9.2	8.1	7.2	6.6	6.4	6.7	8.0	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.7	10.1	11.1	10.2	8.5	8.0	7.5	7.5	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.8	9.8	13.2	12.0	10.6	10.5	9.9	10.7	10.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.4	7.2	7.3	8.4	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.1	8.9	7.5	6.5	6.1	6.3	6.7	7.9	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.8	6.3	5.9	6.3	7.9	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	10.6	9.6	8.5	7.3	6.8	6.3	6.2	7.5	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.6	8.7	7.7	7.7	7.3	6.9	8.7	9.5	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.6	9.0	9.1	8.7	8.0	6.8	5.9	5.8	6.0	7.4	8.9	8.2
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.4	5.9	5.9	6.3	7.7	9.6	9.3
CRMS 0258	11.1	10.1	10.3	10.3	10.4	9.7	8.4	7.4	7.3	8.4	9.3	9.5
CRMS 0224	10.4	9.4	10.2	9.4	8.7	7.8	6.5	5.9	6.5	8.2	9.0	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.7	12.7	11.9	10.5	10.4	9.6	10.0
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.8	7.0	7.9	6.7	7.9	9.1	9.5

V3PR2 HYST - cy 1 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	8.9	8.6	8.3	7.7	8.0	7.6	7.9	8.2	8.7	9.3	9.0
CRMS0276 - Just east of Wilkinson Canal	9.8	9.8	9.9	9.9	10.7	10.2	8.6	8.0	7.4	7.3	9.6	8.6
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.8	9.9	13.2	12.0	10.7	10.8	9.7	10.8	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	9.3	8.8	7.7	10.2	11.7	10.7	9.0	10.3	9.6	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.8	9.4	9.9	7.7	6.5	6.2	6.4	7.9	9.5	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.7	9.9	9.5	9.2	8.4	6.6	6.1	6.3	7.8	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.6	10.5	10.0	10.4	10.1	8.1	6.6	6.3	6.0	7.4	8.8	9.2
USGS073802516 Barataria Pass at Grand Isle	10.6	10.2	10.1	10.5	9.8	8.4	7.6	7.5	6.7	8.6	9.5	9.3
HWQ14 - Lake Washington	10.9	10.2	10.1	10.0	8.7	7.5	6.6	6.1	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.8	9.5	9.5	9.3	8.3	6.9	6.0	5.8	6.0	7.1	8.6	8.3
CRMS 3985	11.0	10.3	9.8	9.5	8.3	6.8	6.0	5.9	6.3	7.5	9.5	9.3
CRMS 0258	11.3	10.6	10.2	11.4	12.7	10.2	8.9	7.9	7.4	8.5	9.4	9.8
CRMS 0224	10.9	10.3	9.9	11.2	12.4	9.1	7.2	6.2	6.1	7.7	8.9	9.1
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.8	12.8	12.0	10.5	10.4	9.6	10.0
CRMS 0162	10.7	10.0	9.3	8.6	7.5	7.8	7.0	7.9	6.6	7.9	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-1.2	-1.7	-0.9	-0.4	0.8	1.0	1.5	1.5	0.7	-0.6	-0.8
CRMS0276 - Just east of Wilkinson Canal	0.2	0.1	0.2	-0.2	-0.5	0.0	0.1	0.1	-0.1	-0.1	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.3	-0.2	0.1	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.1	-0.7	-0.4	-0.6	2.4	4.2	3.5	1.7	1.9	-0.3	0.2
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.3	0.5	2.4	1.2	0.4	-0.1	-0.2	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.0	-0.4	0.3	1.1	1.6	0.3	0.2	-0.1	-0.1	0.1	0.5
USGS 07380335 - Little Lake Near Cutoff	0.6	1.0	-0.7	0.8	1.6	0.9	-0.2	0.1	-0.2	-0.1	-0.2	0.6
USGS073802516 Barataria Pass at Grand Isle	0.4	0.5	-0.5	0.9	1.1	0.6	-0.1	0.2	-0.2	-0.1	0.0	0.0
HWQ14 - Lake Washington	0.1	0.1	-0.3	1.0	0.9	0.5	0.2	0.0	-0.1	-0.3	-0.1	-0.2
HWQ16 - Bayou Grand Liard	0.3	0.4	0.4	0.6	0.3	0.1	0.1	0.0	-0.1	-0.4	-0.3	0.0
CRMS 3985	0.0	0.1	0.1	0.9	0.9	0.4	0.1	0.0	0.1	-0.2	-0.1	-0.1
CRMS 0258	0.3	0.5	-0.1	1.1	2.2	0.6	0.6	0.6	0.1	0.1	0.1	0.2
CRMS 0224	0.5	0.9	-0.3	1.9	3.7	1.3	0.7	0.3	-0.4	-0.5	-0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0

Figure WQ DO 42 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.1	8.9	7.8	6.4	6.2	6.1	6.5	7.8	10.1	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.5	9.4	9.4	9.8	8.8	7.8	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.0	10.9	9.1	9.2	9.8	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.8	8.8	7.8	6.8	6.8	6.5	6.7	8.1	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.4	6.5	6.8	6.2	6.8	8.1	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.7	6.4	5.8	6.3	7.9	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	10.4	9.3	8.4	7.2	6.7	6.0	6.3	7.7	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.5	9.3	8.5	7.5	7.3	6.9	7.1	8.7	9.5	9.4
HWQ14 - Lake Washington	10.9	10.0	10.5	9.1	7.9	6.9	6.8	6.3	6.5	8.0	9.6	9.6
HWQ16 - Bayou Grand Liard	8.4	8.8	8.6	8.0	7.1	6.5	6.5	8.3	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.2	9.7	8.9	7.6	6.5	7.0	6.2	6.6	7.7	9.6	9.4
CRMS 0258	10.8	10.0	10.0	9.7	9.5	7.2	6.9	6.6	6.7	8.0	9.8	9.6
CRMS 0224	10.4	9.3	9.8	8.8	7.6	6.2	5.9	5.4	6.2	8.1	9.1	9.0
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.1	10.2	10.1	10.5	8.8	9.6	9.9
CRMS 0162	10.7	10.2	9.7	8.6	7.8	7.8	7.4	7.5	5.8	7.9	9.1	9.5

V3PR2 HYST - cy 1 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.5	9.3	8.8	7.8	7.7	7.4	7.8	8.6	8.4	9.3	9.6
CRMS0276 - Just east of Wilkinson Canal	9.6	9.6	9.6	9.4	9.5	8.7	7.9	7.0	6.4	7.5	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.0	11.0	9.3	9.4	9.9	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.5	10.0	9.7	8.4	10.1	10.6	9.7	8.7	10.0	9.7	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	9.9	9.5	8.6	7.0	6.4	6.2	6.6	7.8	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.5	10.3	9.3	8.7	7.0	6.4	5.8	6.3	7.7	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.1	10.2	10.8	9.2	8.6	7.3	6.7	5.9	6.1	7.4	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.4	10.0	10.9	9.8	9.1	7.5	7.4	6.9	6.7	8.6	9.5	9.3
HWQ14 - Lake Washington	10.9	10.1	10.6	9.6	8.2	7.1	6.6	6.2	6.4	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.1	8.8	8.1	7.5	6.5	6.3	8.1	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.2	9.8	8.9	7.7	6.6	6.0	5.9	6.4	7.5	9.5	9.3
CRMS 0258	11.0	10.4	10.5	10.0	10.5	7.5	7.4	7.2	6.7	8.1	9.8	9.7
CRMS 0224	10.5	10.0	10.7	9.2	9.5	6.8	6.2	5.4	5.8	7.6	9.0	9.2
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.1	10.3	10.2	10.6	8.8	9.6	10.0
CRMS 0162	10.7	10.2	9.7	8.6	7.8	7.8	7.5	7.5	5.5	7.9	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.6	-0.8	0.0	0.0	1.4	1.2	1.7	2.1	0.6	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.2	0.0	-0.2	-0.2	0.1	0.0	-0.1	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.6	0.1	0.9	0.6	3.3	3.8	3.2	2.0	1.9	-0.2	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.1	0.4	1.2	0.5	-0.4	-0.1	-0.2	-0.2	0.0	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.9	0.0	0.2	0.6	0.3	0.0	0.0	0.0	-0.1	0.1	0.0
USGS 07380335 - Little Lake Near Cutoff	0.2	0.8	0.4	0.0	0.2	0.0	0.0	-0.1	-0.2	-0.2	0.1	0.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.4	0.4	0.5	0.6	0.1	0.1	0.0	-0.3	-0.1	0.0	-0.1
HWQ14 - Lake Washington	0.0	0.1	0.1	0.5	0.4	0.2	-0.3	-0.1	-0.1	-0.3	-0.1	-0.3
HWQ16 - Bayou Grand Liard	0.1	0.3	0.2	0.2	0.4	0.0	-0.1	-0.2	0.0	0.0	0.0	0.1
CRMS 3985	0.0	0.0	0.1	-0.1	0.1	0.1	-0.9	-0.3	-0.2	-0.2	-0.1	-0.1
CRMS 0258	0.2	0.4	0.5	0.3	0.9	0.3	0.4	0.6	0.0	0.1	0.0	0.1
CRMS 0224	0.1	0.7	0.9	0.4	1.9	0.6	0.4	0.0	-0.4	-0.5	-0.1	0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.2	0.0	0.0	0.0

Figure WQ DO 43 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.4	9.2	8.1	7.0	6.8	6.8	6.9	8.2	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.8	9.8	10.2	10.1	10.8	10.4	9.1	8.7	8.3	8.0	9.5	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	10.2	12.0	12.3	10.9	11.7	9.3	10.2	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	10.1	9.2	8.4	7.7	7.6	7.5	7.8	8.7	10.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	8.9	7.4	6.4	6.1	6.0	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.1	7.9	6.7	6.2	5.9	6.4	7.9	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.4	8.3	7.1	6.6	6.4	6.3	7.6	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.5	8.6	7.8	7.7	7.8	6.8	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.0	10.3	9.0	7.9	6.9	6.3	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.8	9.1	9.0	8.4	7.4	6.8	6.1	5.6	6.1	6.8	8.6	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.3	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.4	10.3	10.3	10.2	10.2	10.2	8.1	8.8	9.4	9.2
CRMS 0224	10.4	9.5	10.2	9.3	8.3	7.5	6.6	6.0	7.0	8.5	9.1	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.3	13.3	13.2	9.1	9.0	9.6	10.0
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.1	6.5	7.1	6.8	7.9	8.9	9.5

V3PR2 HYST - cy 1 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.4	8.9	8.6	8.3	7.7	6.9	6.6	7.5	8.3	8.6	9.3	9.6
CRMS0276 - Just east of Wilkinson Canal	10.2	9.9	10.6	9.9	10.4	9.8	9.0	9.0	8.2	7.9	9.4	8.7
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	10.4	12.0	12.2	10.9	11.7	9.4	10.1	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	10.8	10.0	9.6	8.9	7.9	6.8	6.4	8.1	9.4	10.5	9.7	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.7	8.9	8.5	7.8	7.3	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.7	10.0	9.7	8.7	8.8	7.9	7.8	6.6	7.8	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.9	10.6	10.1	10.6	8.5	8.4	6.8	6.4	6.1	7.5	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	10.8	10.2	10.4	10.5	9.8	8.5	7.8	7.9	7.1	8.6	9.5	9.2
HWQ14 - Lake Washington	10.9	10.2	10.1	10.0	8.5	7.4	6.6	6.2	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.2	9.6	9.6	9.1	7.9	7.1	6.4	6.0	6.0	6.7	8.3	8.5
CRMS 3985	11.0	10.3	9.7	9.3	8.0	6.8	5.7	5.4	6.3	7.4	9.5	9.2
CRMS 0258	11.5	10.7	10.4	11.3	11.9	12.1	12.1	11.6	8.2	8.8	9.5	9.6
CRMS 0224	11.2	10.3	10.1	10.8	11.4	10.7	10.8	8.9	7.3	8.2	8.9	9.1
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.4	13.4	13.2	8.8	8.9	9.6	10.0
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.1	6.4	7.1	6.8	7.8	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-1.3	-1.7	-0.9	-0.4	-0.1	-0.2	0.8	1.4	0.4	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.4	-0.2	-0.3	-0.5	-0.1	0.3	-0.1	-0.1	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.5	-0.1	-0.6	-0.3	-0.5	-0.9	-1.2	0.6	1.6	1.7	-0.4	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.1	0.8	1.5	2.1	1.6	1.3	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.0	-0.2	0.6	0.8	2.1	1.6	1.8	0.2	-0.1	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.9	1.0	-0.5	1.2	0.1	1.3	0.2	-0.1	-0.2	-0.2	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.5	0.6	-0.3	1.0	1.2	0.7	0.2	0.2	0.3	-0.2	-0.1	0.1
HWQ14 - Lake Washington	0.0	0.1	-0.3	1.0	0.7	0.5	0.3	0.2	-0.1	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.4	0.4	0.6	0.6	0.5	0.3	0.3	0.4	-0.1	-0.1	-0.3	0.1
CRMS 3985	0.0	0.1	0.1	0.7	0.6	0.5	-0.2	-0.3	0.0	-0.2	0.0	0.0
CRMS 0258	0.4	0.5	-0.1	1.0	1.6	1.8	1.9	1.4	0.1	-0.1	0.1	0.3
CRMS 0224	0.7	0.8	-0.1	1.5	3.1	3.2	4.2	2.9	0.4	-0.3	-0.2	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.3	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ DO 44 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.3	9.2	8.2	7.3	7.1	7.1	7.1	8.3	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.3	9.9	9.8	11.1	9.2	7.3	6.8	7.6	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.8	13.9	11.6	11.2	9.9	11.0	10.4	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	10.1	9.2	8.5	8.0	7.9	7.8	7.9	8.7	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.9	9.0	7.5	6.4	6.2	6.0	6.5	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.8	6.4	6.0	6.4	8.0	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	10.4	9.3	8.4	7.3	6.8	6.6	6.3	7.6	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.5	10.6	9.6	8.8	7.9	7.7	7.7	6.9	8.8	9.6	9.2
HWQ14 - Lake Washington	10.9	10.0	10.4	9.0	7.8	6.9	6.3	6.0	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	8.8	8.3	7.4	7.3	6.3	5.6	6.1	6.9	9.2	8.4
CRMS 3985	11.0	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.2	7.7	9.6	9.2
CRMS 0258	10.9	9.6	10.0	10.5	10.4	10.5	10.6	10.2	7.6	8.6	9.4	9.7
CRMS 0224	10.4	9.2	9.9	9.4	8.8	8.1	7.4	6.8	6.9	8.5	9.0	8.6
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.1	13.5	12.9	10.3	9.6	9.6	10.1
CRMS 0162	10.5	10.0	9.4	8.6	7.4	6.7	6.5	7.4	6.9	8.2	9.0	9.4

V3PR2 HYST - cy 1 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.6	8.3	7.5	7.0	6.6	8.1	8.3	8.7	9.2	8.5
CRMS0276 - Just east of Wilkinson Canal	9.6	9.2	9.4	9.8	10.3	10.5	9.3	9.3	8.3	7.6	9.9	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.8	13.8	11.5	11.3	9.8	10.9	10.5	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.5	9.5	8.8	7.6	6.8	6.4	10.7	9.3	10.5	9.6	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.8	9.3	8.3	9.4	7.9	6.5	6.5	7.9	9.5	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.8	9.9	9.2	7.9	9.2	8.7	6.9	6.4	7.8	9.1	9.8
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	9.8	9.8	7.9	9.5	7.5	6.4	6.1	7.4	8.8	9.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	9.8	10.6	9.6	8.8	8.2	8.2	7.1	8.6	9.4	9.4
HWQ14 - Lake Washington	10.9	10.1	9.8	10.0	8.4	7.5	6.7	6.2	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.1	8.9	7.7	7.4	6.5	5.7	5.9	6.7	8.9	8.7
CRMS 3985	11.0	10.2	9.7	9.3	8.2	6.9	5.8	5.7	6.3	7.5	9.5	9.3
CRMS 0258	11.0	9.9	10.1	10.9	11.9	12.9	12.3	10.7	7.7	8.8	9.5	10.0
CRMS 0224	10.6	9.5	9.8	10.4	11.7	12.1	11.5	8.6	7.4	8.4	9.0	9.5
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.2	13.6	12.9	10.2	9.5	9.6	10.0
CRMS 0162	10.5	10.0	9.4	8.6	7.4	6.7	6.5	7.6	7.0	7.9	9.0	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	0.2	-1.7	-0.9	-0.6	-0.3	-0.5	0.9	1.3	0.4	-0.8	-1.5
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	-0.1	0.5	-0.6	0.1	2.0	1.5	0.0	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.5	-0.5	-0.4	-0.9	-1.2	-1.4	3.0	1.4	1.8	-0.4	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.1	-0.1	0.3	0.8	2.9	1.7	0.5	-0.1	-0.2	-0.1	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.3	-0.4	0.1	-0.1	2.4	2.4	0.9	0.0	-0.1	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.5	0.5	-0.5	2.3	0.8	-0.2	-0.2	-0.2	-0.2	1.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.7	1.0	0.8	0.9	0.5	0.4	0.2	-0.2	-0.1	0.2
HWQ14 - Lake Washington	0.0	0.0	-0.6	0.9	0.6	0.6	0.4	0.2	-0.1	-0.3	-0.2	-0.2
HWQ16 - Bayou Grand Liard	0.1	0.0	0.2	0.6	0.3	0.1	0.3	0.1	-0.2	-0.2	-0.3	0.3
CRMS 3985	0.0	0.0	0.0	0.5	0.8	0.6	-0.1	-0.1	0.1	-0.3	-0.1	0.2
CRMS 0258	0.1	0.2	0.1	0.4	1.5	2.4	1.8	0.5	0.1	0.2	0.0	0.3
CRMS 0224	0.2	0.3	-0.2	1.1	2.9	4.0	4.0	1.7	0.5	-0.1	-0.1	0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.3	0.0	0.0

Figure WQ DO 45 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.1	8.1	7.2	6.8	6.3	6.6	8.0	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.6	10.4	11.1	10.5	8.8	7.8	7.6	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.5	11.0	10.0	9.9	9.9	9.9	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.5	7.2	7.4	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.2	8.9	7.5	6.5	6.2	6.1	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.9	6.3	5.9	6.4	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.5	8.5	7.3	6.8	6.3	6.3	7.7	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.7	10.6	9.7	8.7	7.7	7.7	7.5	7.0	8.8	9.4	9.2
HWQ14 - Lake Washington	10.9	10.1	10.2	8.9	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.9	8.6	7.9	7.0	6.0	6.5	6.0	6.8	7.9	8.1
CRMS 3985	11.0	10.2	9.9	8.7	7.5	6.5	6.1	5.9	6.4	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.3	10.3	10.4	10.3	9.3	7.6	7.4	8.6	9.5	9.4
CRMS 0224	10.4	9.5	10.1	9.4	8.6	7.7	6.8	5.7	6.5	8.3	9.2	8.7
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.4	10.2	8.7	9.6	10.0
CRMS 0162	10.6	10.0	9.3	8.6	7.5	7.5	6.9	8.0	6.7	7.8	9.0	9.5

V3PR3 HYST - cy 1 - 1975 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.5	9.0	8.6	8.3	7.7	6.9	7.4	7.8	7.9	8.5	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.1	9.8	9.8	9.9	10.7	10.1	8.9	8.2	7.6	7.9	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.4	11.0	10.1	9.7	9.9	9.9	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.4	9.6	8.9	7.8	6.9	9.6	9.8	8.7	10.3	9.7	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.8	9.3	9.7	8.6	7.0	6.2	6.4	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.7	10.0	9.3	9.1	9.7	7.7	6.2	6.3	7.7	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.8	10.5	9.9	9.9	9.8	8.9	6.6	6.4	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.8	10.2	10.0	10.7	9.8	8.4	7.9	7.5	6.7	8.6	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	9.9	10.0	8.6	7.5	6.7	6.1	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.1	9.4	9.4	9.2	8.2	7.1	6.2	5.9	6.0	6.8	8.0	8.1
CRMS 3985	11.0	10.3	9.7	9.5	8.2	6.9	5.9	5.9	6.3	7.4	9.5	9.2
CRMS 0258	11.4	10.6	10.2	11.3	12.5	11.8	10.3	8.2	7.7	8.8	9.6	9.7
CRMS 0224	11.0	10.3	9.9	11.1	12.2	10.1	8.8	6.5	6.1	7.8	9.0	9.2
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.7	11.5	10.0	8.7	9.6	10.0
CRMS 0162	10.6	10.0	9.4	8.6	7.5	7.6	7.0	8.1	6.7	7.7	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-1.1	-1.7	-0.9	-0.5	-0.3	0.6	1.5	1.3	0.5	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.2	-0.5	-0.4	-0.3	0.1	0.4	0.0	0.0	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	-0.1	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.1	0.4	-0.4	-0.3	-0.6	-0.9	2.0	2.6	1.4	1.8	-0.3	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.3	0.4	2.2	2.0	0.8	0.1	-0.4	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.0	-0.3	0.1	0.9	2.8	1.4	0.3	-0.1	-0.2	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	0.8	0.9	-0.7	0.4	1.3	1.5	-0.2	0.1	-0.3	-0.3	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.5	0.5	-0.6	1.0	1.2	0.7	0.1	0.1	-0.2	-0.1	0.0	0.0
HWQ14 - Lake Washington	0.1	0.1	-0.3	1.1	0.7	0.5	0.2	0.0	-0.2	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.4	0.4	0.4	0.6	0.3	0.1	0.2	-0.6	-0.1	0.0	0.0	0.1
CRMS 3985	0.0	0.0	-0.2	0.9	0.7	0.4	-0.2	0.0	-0.1	-0.2	0.0	0.0
CRMS 0258	0.3	0.5	-0.1	1.0	2.1	1.5	1.0	0.7	0.2	0.1	0.1	0.3
CRMS 0224	0.6	0.8	-0.2	1.7	3.5	2.4	2.0	0.8	-0.3	-0.5	-0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	-0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	0.0	0.0

Figure WQ DO 46 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.1	10.3	9.2	8.1	7.2	6.6	6.4	6.7	8.0	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.7	10.1	11.1	10.2	8.5	8.0	7.5	7.5	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.8	9.8	13.2	12.0	10.6	10.5	9.9	10.7	10.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.4	7.2	7.3	8.4	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.1	8.9	7.5	6.5	6.1	6.3	6.7	7.9	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.8	6.3	5.9	6.3	7.9	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	10.6	9.6	8.5	7.3	6.8	6.3	6.2	7.5	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.6	8.7	7.7	7.7	7.3	6.9	8.7	9.5	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.6	9.0	9.1	8.7	8.0	6.8	5.9	5.8	6.0	7.4	8.9	8.2
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.4	5.9	5.9	6.3	7.7	9.6	9.3
CRMS 0258	11.1	10.1	10.3	10.3	10.4	9.7	8.4	7.4	7.3	8.4	9.3	9.5
CRMS 0224	10.4	9.4	10.2	9.4	8.7	7.8	6.5	5.9	6.5	8.2	9.0	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.7	12.7	11.9	10.5	10.4	9.6	10.0
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.8	7.0	7.9	6.7	7.9	9.1	9.5

V3PR3 HYST - cy 1 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	8.9	8.5	8.3	7.7	7.9	7.5	7.8	8.0	8.6	9.3	9.0
CRMS0276 - Just east of Wilkinson Canal	9.8	9.8	9.9	9.8	10.7	10.2	8.6	8.0	7.4	7.4	9.6	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.8	9.9	13.1	12.0	10.7	10.8	9.8	10.8	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.3	9.5	8.9	7.8	9.6	10.6	9.9	8.7	10.1	9.7	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.8	9.4	9.8	7.7	6.5	6.2	6.4	7.8	9.5	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.7	9.9	9.5	9.1	8.4	6.6	6.1	6.2	7.7	9.0	9.5
USGS 07380335 - Little Lake Near Cutoff	10.6	10.5	10.0	10.3	10.1	8.1	6.6	6.3	6.0	7.4	8.8	9.2
USGS073802516 Barataria Pass at Grand Isle	10.6	10.2	10.1	10.5	9.8	8.4	7.6	7.5	6.7	8.6	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	10.1	9.9	8.8	7.5	6.5	6.1	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.8	9.5	9.5	9.3	8.3	6.9	6.0	5.7	6.0	7.1	8.7	8.3
CRMS 3985	11.0	10.3	9.8	9.5	8.3	6.8	6.0	5.9	6.3	7.4	9.5	9.3
CRMS 0258	11.3	10.6	10.2	11.4	12.6	10.2	8.9	7.9	7.4	8.5	9.4	9.8
CRMS 0224	10.9	10.3	9.9	11.2	12.3	9.0	7.2	6.2	6.1	7.7	8.8	9.1
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.7	12.8	12.0	10.5	10.4	9.6	10.0
CRMS 0162	10.7	10.0	9.3	8.6	7.5	7.8	7.0	7.9	6.6	7.9	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-1.2	-1.8	-0.9	-0.4	0.7	0.9	1.4	1.4	0.6	-0.7	-0.9
CRMS0276 - Just east of Wilkinson Canal	0.2	0.1	0.2	-0.2	-0.4	0.0	0.1	0.0	-0.1	-0.1	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.3	-0.1	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.3	-0.5	-0.3	-0.6	1.9	3.2	2.7	1.3	1.8	-0.2	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.3	0.5	2.4	1.2	0.4	-0.1	-0.2	-0.1	-0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.0	-0.4	0.3	1.1	1.6	0.3	0.2	-0.1	-0.1	0.0	0.5
USGS 07380335 - Little Lake Near Cutoff	0.6	1.0	-0.7	0.7	1.6	0.9	-0.2	0.1	-0.2	-0.2	-0.2	0.6
USGS073802516 Barataria Pass at Grand Isle	0.4	0.5	-0.5	0.9	1.1	0.6	-0.1	0.2	-0.2	-0.1	-0.1	0.0
HWQ14 - Lake Washington	0.1	0.1	-0.3	1.0	0.9	0.5	0.2	0.0	-0.1	-0.3	-0.1	-0.2
HWQ16 - Bayou Grand Liard	0.2	0.4	0.4	0.6	0.3	0.1	0.1	-0.1	-0.1	-0.3	-0.3	0.0
CRMS 3985	0.0	0.1	0.1	0.9	0.9	0.4	0.1	0.0	0.1	-0.2	-0.1	-0.1
CRMS 0258	0.3	0.5	-0.1	1.1	2.2	0.5	0.6	0.6	0.1	0.1	0.1	0.2
CRMS 0224	0.5	0.9	-0.2	1.8	3.6	1.2	0.7	0.3	-0.4	-0.6	-0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ DO 47 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.1	8.9	7.8	6.4	6.2	6.1	6.5	7.8	10.1	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.5	9.4	9.4	9.8	8.8	7.8	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.0	10.9	9.1	9.2	9.8	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.8	8.8	7.8	6.8	6.8	6.5	6.7	8.1	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.4	6.5	6.8	6.2	6.8	8.1	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.7	6.4	5.8	6.3	7.9	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	10.4	9.3	8.4	7.2	6.7	6.0	6.3	7.7	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.5	9.3	8.5	7.5	7.3	6.9	7.1	8.7	9.5	9.4
HWQ14 - Lake Washington	10.9	10.0	10.5	9.1	7.9	6.9	6.8	6.3	6.5	8.0	9.6	9.6
HWQ16 - Bayou Grand Liard	8.4	8.8	8.6	8.0	7.1	6.5	6.5	8.3	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.2	9.7	8.9	7.6	6.5	7.0	6.2	6.6	7.7	9.6	9.4
CRMS 0258	10.8	10.0	10.0	9.7	9.5	7.2	6.9	6.6	6.7	8.0	9.8	9.6
CRMS 0224	10.4	9.3	9.8	8.8	7.6	6.2	5.9	5.4	6.2	8.1	9.1	9.0
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.1	10.2	10.1	10.5	8.8	9.6	9.9
CRMS 0162	10.7	10.2	9.7	8.6	7.8	7.8	7.4	7.5	5.8	7.9	9.1	9.5

V3PR3 HYST - cy 1 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.5	9.3	8.8	7.8	7.7	7.3	7.7	8.3	8.4	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	9.6	9.6	9.7	9.4	9.6	8.7	7.8	6.9	6.5	7.5	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.1	10.9	9.2	9.3	9.9	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.6	10.0	10.0	8.5	9.2	9.6	9.1	8.5	9.9	9.7	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	9.9	9.5	8.6	7.0	6.4	6.1	6.6	7.9	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.5	10.3	9.3	8.6	7.0	6.4	5.8	6.2	7.7	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.1	10.2	10.8	9.3	8.6	7.3	6.7	5.9	6.1	7.4	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.4	10.0	10.9	9.8	9.1	7.5	7.4	6.8	6.7	8.6	9.5	9.3
HWQ14 - Lake Washington	10.9	10.1	10.5	9.6	8.2	7.1	6.6	6.1	6.4	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.1	8.8	8.1	7.5	6.5	6.3	8.1	6.0	6.9	8.0	8.2
CRMS 3985	11.0	10.2	9.8	8.8	7.7	6.6	6.0	5.9	6.4	7.5	9.5	9.3
CRMS 0258	10.9	10.4	10.5	10.0	10.4	7.5	7.4	7.1	6.8	8.1	9.8	9.7
CRMS 0224	10.5	9.9	10.6	9.2	9.4	6.8	6.2	5.4	5.8	7.6	9.0	9.1
CRMS 0163	11.0	10.7	10.2	9.2	8.9	10.9	10.2	10.0	10.6	8.7	9.6	10.0
CRMS 0162	10.7	10.2	9.7	8.6	7.8	7.8	7.5	7.5	5.6	7.9	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.5	-0.6	-0.8	0.0	0.0	1.3	1.1	1.6	1.9	0.6	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.3	0.0	-0.2	-0.2	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	0.1	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.7	0.2	1.2	0.7	2.4	2.9	2.6	1.7	1.8	-0.2	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.1	0.4	1.2	0.5	-0.4	-0.1	-0.2	-0.2	0.0	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.9	0.0	0.2	0.6	0.3	0.0	0.0	-0.1	-0.1	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.2	0.8	0.5	0.0	0.2	0.0	0.0	-0.1	-0.2	-0.2	0.0	0.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.4	0.4	0.6	0.0	0.1	-0.1	-0.4	-0.1	0.0	-0.1
HWQ14 - Lake Washington	0.0	0.1	0.0	0.5	0.4	0.2	-0.3	-0.1	-0.1	-0.3	-0.1	-0.3
HWQ16 - Bayou Grand Liard	0.1	0.3	0.2	0.2	0.4	0.0	-0.1	-0.3	-0.1	0.0	0.0	0.1
CRMS 3985	0.0	0.0	0.1	-0.1	0.1	0.1	-0.9	-0.3	-0.2	-0.2	-0.1	-0.1
CRMS 0258	0.2	0.4	0.6	0.3	0.9	0.3	0.4	0.5	0.0	0.1	0.0	0.1
CRMS 0224	0.1	0.7	0.9	0.4	1.9	0.6	0.3	0.0	-0.4	-0.5	-0.1	0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	-0.2	0.0	0.0	0.0

Figure WQ DO 48 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.4	9.2	8.1	7.0	6.8	6.8	6.9	8.2	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.8	9.8	10.2	10.1	10.8	10.4	9.1	8.7	8.3	8.0	9.5	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	10.2	12.0	12.3	10.9	11.7	9.3	10.2	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	10.1	9.2	8.4	7.7	7.6	7.5	7.8	8.7	10.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	8.9	7.4	6.4	6.1	6.0	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.1	7.9	6.7	6.2	5.9	6.4	7.9	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.4	8.3	7.1	6.6	6.4	6.3	7.6	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.5	8.6	7.8	7.7	7.8	6.8	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.0	10.3	9.0	7.9	6.9	6.3	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.8	9.1	9.0	8.4	7.4	6.8	6.1	5.6	6.1	6.8	8.6	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.3	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.4	10.3	10.3	10.2	10.2	10.2	8.1	8.8	9.4	9.2
CRMS 0224	10.4	9.5	10.2	9.3	8.3	7.5	6.6	6.0	7.0	8.5	9.1	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.3	13.3	13.2	9.1	9.0	9.6	10.0
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.1	6.5	7.1	6.8	7.9	8.9	9.5

V3PR3 HYST - cy 1 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.4	8.9	8.6	8.3	7.7	6.9	6.6	7.5	8.1	8.6	9.3	9.6
CRMS0276 - Just east of Wilkinson Canal	10.2	9.9	10.6	9.9	10.4	9.8	9.0	9.0	8.3	7.9	9.3	8.7
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	10.4	12.0	12.2	10.9	11.6	9.4	10.2	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.0	10.2	9.7	9.0	7.9	6.8	6.4	7.9	9.1	10.4	9.7	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.7	8.8	8.5	7.8	7.3	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.7	10.0	9.6	8.7	8.9	7.9	7.8	6.6	7.8	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.9	10.6	10.1	10.6	8.5	8.4	6.8	6.4	6.1	7.5	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	10.8	10.2	10.4	10.5	9.8	8.5	7.9	7.9	7.1	8.6	9.5	9.2
HWQ14 - Lake Washington	10.9	10.2	10.1	10.0	8.5	7.4	6.6	6.2	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.2	9.6	9.6	9.1	7.9	7.1	6.3	5.9	6.0	6.7	8.3	8.4
CRMS 3985	11.0	10.3	9.7	9.4	8.0	6.8	5.7	5.4	6.3	7.4	9.5	9.2
CRMS 0258	11.5	10.7	10.4	11.3	11.9	12.0	11.9	11.6	8.2	8.8	9.5	9.5
CRMS 0224	11.2	10.3	10.1	10.9	11.4	10.6	10.8	9.0	7.4	8.3	8.9	9.1
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.5	13.4	13.0	8.9	8.9	9.6	9.9
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.1	6.5	7.2	6.8	7.9	8.9	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-1.3	-1.7	-0.9	-0.4	-0.1	-0.2	0.7	1.2	0.3	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.4	-0.2	-0.3	-0.6	-0.1	0.3	0.0	0.0	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.3	0.0	0.0	0.0	-0.1	0.1	-0.1	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.3	0.1	-0.4	-0.2	-0.5	-0.9	-1.2	0.4	1.3	1.6	-0.3	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.1	0.8	1.4	2.1	1.7	1.3	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.0	-0.2	0.6	0.8	2.2	1.7	1.8	0.2	-0.1	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.9	1.0	-0.5	1.3	0.1	1.3	0.3	-0.1	-0.2	-0.1	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.5	0.6	-0.3	1.0	1.2	0.8	0.2	0.2	0.3	-0.2	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.1	-0.3	1.0	0.6	0.6	0.3	0.2	-0.1	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.4	0.4	0.6	0.6	0.5	0.3	0.3	0.4	-0.1	-0.1	-0.3	0.0
CRMS 3985	0.0	0.1	0.1	0.7	0.6	0.5	-0.2	-0.3	0.0	-0.2	0.0	0.0
CRMS 0258	0.4	0.5	-0.1	1.1	1.6	1.7	1.7	1.4	0.1	0.0	0.1	0.3
CRMS 0224	0.7	0.8	0.0	1.6	3.1	3.1	4.2	3.0	0.4	-0.2	-0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.2	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0

Figure WQ DO 49 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.3	9.2	8.2	7.3	7.1	7.1	7.1	8.3	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.3	9.9	9.8	11.1	9.2	7.3	6.8	7.6	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.8	13.9	11.6	11.2	9.9	11.0	10.4	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	10.1	9.2	8.5	8.0	7.9	7.8	7.9	8.7	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.9	9.0	7.5	6.4	6.2	6.0	6.5	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.8	6.4	6.0	6.4	8.0	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	10.4	9.3	8.4	7.3	6.8	6.6	6.3	7.6	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.5	10.6	9.6	8.8	7.9	7.7	7.7	6.9	8.8	9.6	9.2
HWQ14 - Lake Washington	10.9	10.0	10.4	9.0	7.8	6.9	6.3	6.0	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	8.8	8.3	7.4	7.3	6.3	5.6	6.1	6.9	9.2	8.4
CRMS 3985	11.0	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.2	7.7	9.6	9.2
CRMS 0258	10.9	9.6	10.0	10.5	10.4	10.5	10.6	10.2	7.6	8.6	9.4	9.7
CRMS 0224	10.4	9.2	9.9	9.4	8.8	8.1	7.4	6.8	6.9	8.5	9.0	8.6
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.1	13.5	12.9	10.3	9.6	9.6	10.1
CRMS 0162	10.5	10.0	9.4	8.6	7.4	6.7	6.5	7.4	6.9	8.2	9.0	9.4

V3PR3 HYST - cy 1 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.6	8.3	7.5	7.0	6.6	7.9	8.2	8.6	9.2	8.5
CRMS0276 - Just east of Wilkinson Canal	9.6	9.2	9.4	9.8	10.3	10.5	9.2	9.3	8.3	7.6	9.9	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.9	13.8	11.5	11.2	9.8	10.8	10.5	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.5	9.7	8.9	7.6	6.7	6.4	10.3	9.0	10.3	9.7	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.8	9.3	8.2	9.5	8.0	6.5	6.5	7.9	9.5	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.8	9.9	9.2	7.9	9.3	8.7	6.9	6.4	7.8	9.1	9.8
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	9.8	9.8	8.0	9.6	7.5	6.4	6.1	7.4	8.8	9.6
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	9.9	10.5	9.6	8.8	8.2	8.2	7.1	8.6	9.4	9.4
HWQ14 - Lake Washington	10.9	10.1	9.9	9.9	8.5	7.5	6.8	6.2	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	8.6	9.1	8.9	7.7	7.4	6.5	5.7	5.9	6.7	8.9	8.7
CRMS 3985	11.0	10.2	9.7	9.3	8.3	7.0	5.8	5.7	6.3	7.5	9.5	9.4
CRMS 0258	11.0	9.9	10.1	10.9	11.9	12.8	12.3	10.8	7.7	8.8	9.5	10.0
CRMS 0224	10.6	9.5	9.8	10.5	11.7	12.0	11.4	8.6	7.4	8.5	9.0	9.5
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.2	13.4	12.7	10.2	9.5	9.6	10.1
CRMS 0162	10.5	10.0	9.4	8.6	7.4	6.7	6.5	7.5	7.0	7.9	9.0	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	0.2	-1.7	-0.9	-0.6	-0.3	-0.5	0.8	1.1	0.4	-0.8	-1.5
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.2	-0.1	0.5	-0.6	0.0	2.0	1.5	-0.1	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.1	-0.1	-0.1	0.0	-0.1	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.5	-0.4	-0.3	-0.9	-1.3	-1.4	2.5	1.1	1.6	-0.4	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.1	-0.1	0.3	0.8	3.1	1.8	0.5	0.0	-0.2	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.3	-0.4	0.1	-0.1	2.4	2.4	0.9	0.0	-0.1	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.5	0.5	-0.5	2.3	0.8	-0.2	-0.2	-0.2	-0.2	1.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.7	0.9	0.8	0.9	0.5	0.4	0.2	-0.2	-0.1	0.2
HWQ14 - Lake Washington	0.0	0.1	-0.5	0.9	0.6	0.6	0.5	0.3	-0.1	-0.3	-0.2	-0.2
HWQ16 - Bayou Grand Liard	0.1	0.1	0.3	0.6	0.3	0.1	0.2	0.1	-0.2	-0.2	-0.2	0.3
CRMS 3985	0.0	0.0	0.0	0.6	0.9	0.6	0.0	-0.1	0.1	-0.3	-0.1	0.2
CRMS 0258	0.1	0.2	0.1	0.5	1.6	2.3	1.7	0.6	0.2	0.2	0.0	0.3
CRMS 0224	0.2	0.3	-0.1	1.1	2.9	3.9	3.9	1.8	0.5	0.0	-0.1	0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.3	0.0	0.0

Figure WQ DO 50 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.1	8.1	7.2	6.8	6.3	6.6	8.0	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.6	10.4	11.1	10.5	8.8	7.8	7.6	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.5	11.0	10.0	9.9	9.9	9.9	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.5	7.2	7.4	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.2	8.9	7.5	6.5	6.2	6.1	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.9	6.3	5.9	6.4	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.5	8.5	7.3	6.8	6.3	6.3	7.7	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.7	10.6	9.7	8.7	7.7	7.7	7.5	7.0	8.8	9.4	9.2
HWQ14 - Lake Washington	10.9	10.1	10.2	8.9	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.9	8.6	7.9	7.0	6.0	6.5	6.0	6.8	7.9	8.1
CRMS 3985	11.0	10.2	9.9	8.7	7.5	6.5	6.1	5.9	6.4	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.3	10.3	10.4	10.3	9.3	7.6	7.4	8.6	9.5	9.4
CRMS 0224	10.4	9.5	10.1	9.4	8.6	7.7	6.8	5.7	6.5	8.3	9.2	8.7
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.4	10.2	8.7	9.6	10.0
CRMS 0162	10.6	10.0	9.3	8.6	7.5	7.5	6.9	8.0	6.7	7.8	9.0	9.5

V3PR4 HYST - cy 1 - 1975 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	8.9	8.5	8.2	7.7	6.9	7.2	7.8	7.9	8.5	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.2	9.9	9.8	9.9	10.7	10.2	9.0	8.2	7.5	7.9	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.9	9.1	13.7	12.4	11.0	10.1	9.7	9.9	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	10.0	9.2	8.6	7.7	6.8	9.6	9.2	8.3	9.6	9.5	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.8	9.0	8.4	9.2	7.3	6.2	6.4	7.8	9.5	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.7	9.9	9.0	8.2	8.4	7.7	6.2	6.2	7.7	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	11.0	10.6	9.9	9.2	8.9	8.7	6.8	6.4	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.8	10.3	9.9	10.9	10.2	9.1	8.1	7.6	6.8	8.6	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	9.9	10.2	9.0	7.7	6.8	6.1	6.3	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.2	9.6	9.5	9.3	8.5	7.4	6.2	5.8	6.0	6.8	8.0	8.1
CRMS 3985	11.0	10.3	9.8	9.4	8.9	7.0	5.8	5.8	6.3	7.4	9.5	9.5
CRMS 0258	11.5	10.7	10.2	10.6	12.9	12.5	10.4	8.2	7.6	8.7	9.6	9.7
CRMS 0224	11.1	10.4	9.9	10.7	13.0	11.7	9.3	6.8	6.3	7.7	9.0	9.2
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.6	10.0	8.6	9.6	10.0
CRMS 0162	10.7	10.0	9.4	8.6	7.6	7.7	7.1	8.2	6.7	7.7	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-1.3	-1.8	-1.0	-0.5	-0.3	0.5	1.5	1.3	0.5	-0.7	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.5	0.2	0.2	-0.5	-0.4	-0.3	0.2	0.4	-0.1	-0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	-0.2	0.0	0.2	-0.1	0.0	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-0.1	-0.8	-0.5	-0.6	-0.9	2.1	1.9	0.9	1.1	-0.5	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.4	0.1	0.9	2.7	1.1	0.1	-0.4	-0.2	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.0	-0.4	-0.3	0.0	1.6	1.4	0.3	-0.1	-0.2	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.0	1.1	-0.7	-0.3	0.4	1.4	0.1	0.1	-0.3	-0.3	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.5	0.6	-0.7	1.2	1.6	1.4	0.4	0.2	-0.2	-0.1	0.0	0.1
HWQ14 - Lake Washington	0.1	0.1	-0.4	1.2	1.1	0.8	0.3	0.0	-0.2	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.5	0.6	0.5	0.7	0.6	0.4	0.2	-0.7	-0.1	0.0	0.0	0.1
CRMS 3985	0.1	0.1	-0.1	0.8	1.5	0.5	-0.3	-0.1	-0.1	-0.2	0.1	0.3
CRMS 0258	0.4	0.5	-0.1	0.3	2.5	2.2	1.1	0.6	0.1	0.1	0.1	0.3
CRMS 0224	0.7	1.0	-0.2	1.3	4.3	4.0	2.5	1.1	-0.2	-0.5	-0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.1	0.0	0.0	0.2	0.1	0.2	0.0	-0.1	0.0	0.0

Figure WQ DO 51 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.1	10.3	9.2	8.1	7.2	6.6	6.4	6.7	8.0	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.7	10.1	11.1	10.2	8.5	8.0	7.5	7.5	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.8	9.8	13.2	12.0	10.6	10.5	9.9	10.7	10.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.4	7.2	7.3	8.4	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.1	8.9	7.5	6.5	6.1	6.3	6.7	7.9	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.8	6.3	5.9	6.3	7.9	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	10.6	9.6	8.5	7.3	6.8	6.3	6.2	7.5	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.6	8.7	7.7	7.7	7.3	6.9	8.7	9.5	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.6	9.0	9.1	8.7	8.0	6.8	5.9	5.8	6.0	7.4	8.9	8.2
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.4	5.9	5.9	6.3	7.7	9.6	9.3
CRMS 0258	11.1	10.1	10.3	10.3	10.4	9.7	8.4	7.4	7.3	8.4	9.3	9.5
CRMS 0224	10.4	9.4	10.2	9.4	8.7	7.8	6.5	5.9	6.5	8.2	9.0	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.7	12.7	11.9	10.5	10.4	9.6	10.0
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.8	7.0	7.9	6.7	7.9	9.1	9.5

V3PR4 HYST - cy 1 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	8.8	8.4	8.2	7.7	7.9	7.5	7.7	8.0	8.6	9.2	8.9
CRMS0276 - Just east of Wilkinson Canal	9.8	9.9	9.9	9.9	10.7	10.2	8.6	8.1	7.4	7.4	9.6	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.9	10.0	13.2	12.0	10.7	10.8	9.8	10.9	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	9.2	8.7	7.7	9.5	10.9	9.4	8.2	9.5	9.4	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.8	9.0	8.5	7.9	6.6	6.2	6.4	7.8	9.5	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.7	9.8	9.0	8.2	8.5	6.7	6.1	6.2	7.7	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.7	10.7	9.9	9.5	9.0	8.5	6.7	6.3	6.0	7.3	8.8	9.3
USGS073802516 Barataria Pass at Grand Isle	10.7	10.3	9.9	10.9	10.3	8.7	7.7	7.5	6.7	8.6	9.5	9.3
HWQ14 - Lake Washington	10.9	10.2	9.9	10.0	9.0	7.7	6.6	6.1	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	8.9	9.6	9.6	9.6	8.7	7.0	6.0	5.8	6.0	7.1	8.7	8.3
CRMS 3985	11.0	10.4	9.8	9.5	9.0	6.9	6.0	5.9	6.3	7.4	9.5	9.3
CRMS 0258	11.3	10.7	10.2	11.2	12.8	10.4	9.0	8.0	7.4	8.5	9.4	9.8
CRMS 0224	10.9	10.5	10.0	11.3	13.1	9.5	7.5	6.4	6.2	7.7	8.9	9.2
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.8	12.8	11.9	10.4	10.4	9.6	10.0
CRMS 0162	10.7	10.0	9.3	8.6	7.5	8.0	7.1	8.0	6.6	7.9	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-1.4	-1.9	-1.0	-0.4	0.7	0.9	1.4	1.4	0.6	-0.7	-0.9
CRMS0276 - Just east of Wilkinson Canal	0.2	0.2	0.2	-0.1	-0.4	0.0	0.1	0.1	-0.1	-0.1	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.3	-0.1	0.1	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.1	-0.2	-0.9	-0.5	-0.6	1.7	3.5	2.2	0.9	1.1	-0.5	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.4	0.1	1.0	1.4	0.4	-0.1	-0.2	-0.1	-0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.0	-0.5	-0.1	0.1	1.7	0.4	0.2	-0.1	-0.1	0.0	0.6
USGS 07380335 - Little Lake Near Cutoff	0.8	1.2	-0.7	0.0	0.5	1.2	-0.1	0.1	-0.2	-0.2	-0.2	0.7
USGS073802516 Barataria Pass at Grand Isle	0.4	0.6	-0.7	1.3	1.6	1.0	0.0	0.2	-0.2	-0.1	0.0	0.1
HWQ14 - Lake Washington	0.1	0.1	-0.5	1.1	1.2	0.8	0.2	0.0	-0.1	-0.3	-0.1	-0.2
HWQ16 - Bayou Grand Liard	0.3	0.6	0.5	0.9	0.8	0.2	0.1	0.0	-0.1	-0.3	-0.2	0.1
CRMS 3985	0.1	0.2	0.1	0.9	1.6	0.5	0.1	0.0	0.1	-0.2	-0.1	0.0
CRMS 0258	0.3	0.6	-0.1	0.9	2.4	0.8	0.6	0.6	0.1	0.1	0.0	0.2
CRMS 0224	0.5	1.1	-0.2	1.9	4.4	1.7	1.0	0.5	-0.3	-0.6	-0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.1	0.0	0.0	0.2	0.1	0.1	-0.1	0.0	0.0	0.0

Figure WQ DO 52 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.1	8.9	7.8	6.4	6.2	6.1	6.5	7.8	10.1	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.5	9.4	9.4	9.8	8.8	7.8	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.0	10.9	9.1	9.2	9.8	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.8	8.8	7.8	6.8	6.8	6.5	6.7	8.1	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.4	6.5	6.8	6.2	6.8	8.1	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.7	6.4	5.8	6.3	7.9	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	10.4	9.3	8.4	7.2	6.7	6.0	6.3	7.7	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.5	9.3	8.5	7.5	7.3	6.9	7.1	8.7	9.5	9.4
HWQ14 - Lake Washington	10.9	10.0	10.5	9.1	7.9	6.9	6.8	6.3	6.5	8.0	9.6	9.6
HWQ16 - Bayou Grand Liard	8.4	8.8	8.6	8.0	7.1	6.5	6.5	8.3	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.2	9.7	8.9	7.6	6.5	7.0	6.2	6.6	7.7	9.6	9.4
CRMS 0258	10.8	10.0	10.0	9.7	9.5	7.2	6.9	6.6	6.7	8.0	9.8	9.6
CRMS 0224	10.4	9.3	9.8	8.8	7.6	6.2	5.9	5.4	6.2	8.1	9.1	9.0
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.1	10.2	10.1	10.5	8.8	9.6	9.9
CRMS 0162	10.7	10.2	9.7	8.6	7.8	7.8	7.4	7.5	5.8	7.9	9.1	9.5

V3PR4 HYST - cy 1 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.4	9.3	8.8	7.7	7.6	7.3	7.6	8.4	8.4	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.7	9.4	9.6	8.7	7.8	6.9	6.4	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.1	11.0	9.3	9.4	9.9	9.9	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.4	9.8	9.5	8.1	8.7	9.3	8.6	8.0	9.1	9.5	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.4	8.6	7.0	6.5	6.2	6.6	7.9	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.6	10.2	9.4	8.5	7.1	6.4	5.9	6.2	7.7	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.1	10.3	10.6	9.3	8.4	7.3	6.7	5.9	6.1	7.4	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.4	10.1	10.9	9.8	9.3	7.6	7.4	6.9	6.7	8.6	9.5	9.3
HWQ14 - Lake Washington	10.9	10.2	10.6	9.6	8.4	7.2	6.6	6.2	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.2	8.8	8.1	7.6	6.5	6.3	8.0	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.3	9.8	8.9	7.8	6.6	6.1	5.9	6.4	7.5	9.5	9.3
CRMS 0258	10.9	10.4	10.5	10.1	10.7	7.6	7.4	7.1	6.8	8.0	9.8	9.7
CRMS 0224	10.5	10.1	10.6	9.3	9.9	6.9	6.2	5.4	5.8	7.6	9.0	9.1
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.0	10.4	10.3	10.7	8.7	9.6	10.0
CRMS 0162	10.6	10.2	9.7	8.6	7.8	8.0	7.6	7.6	5.7	7.9	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.7	-0.8	-0.1	0.0	1.2	1.0	1.5	1.9	0.6	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.3	0.0	-0.2	-0.2	0.0	0.0	-0.1	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.1	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.5	0.0	0.7	0.4	1.9	2.5	2.1	1.3	1.1	-0.4	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.2	0.4	1.2	0.6	-0.3	0.0	-0.2	-0.2	0.0	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	1.0	-0.1	0.3	0.5	0.4	0.1	0.0	-0.1	-0.1	0.1	0.0
USGS 07380335 - Little Lake Near Cutoff	0.2	1.0	0.3	0.0	0.0	0.1	0.0	-0.1	-0.2	-0.2	0.1	0.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.4	0.5	0.8	0.1	0.1	0.0	-0.3	-0.1	0.0	-0.2
HWQ14 - Lake Washington	0.0	0.1	0.1	0.5	0.5	0.2	-0.2	-0.1	-0.1	-0.3	-0.1	-0.3
HWQ16 - Bayou Grand Liard	0.1	0.3	0.2	0.2	0.4	0.0	-0.2	-0.3	0.0	0.0	0.0	0.0
CRMS 3985	0.0	0.1	0.1	-0.1	0.2	0.1	-0.9	-0.3	-0.2	-0.2	-0.1	-0.1
CRMS 0258	0.1	0.5	0.5	0.4	1.1	0.3	0.4	0.5	0.0	0.1	0.0	0.1
CRMS 0224	0.1	0.8	0.9	0.6	2.3	0.7	0.3	0.0	-0.4	-0.5	-0.1	0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	0.2	0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	-0.1	0.0	0.0	0.0

Figure WQ DO 53 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.4	9.2	8.1	7.0	6.8	6.8	6.9	8.2	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.8	9.8	10.2	10.1	10.8	10.4	9.1	8.7	8.3	8.0	9.5	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	10.2	12.0	12.3	10.9	11.7	9.3	10.2	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	10.1	9.2	8.4	7.7	7.6	7.5	7.8	8.7	10.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	8.9	7.4	6.4	6.1	6.0	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.1	7.9	6.7	6.2	5.9	6.4	7.9	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.4	8.3	7.1	6.6	6.4	6.3	7.6	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.5	8.6	7.8	7.7	7.8	6.8	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.0	10.3	9.0	7.9	6.9	6.3	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.8	9.1	9.0	8.4	7.4	6.8	6.1	5.6	6.1	6.8	8.6	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.3	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.4	10.3	10.3	10.2	10.2	10.2	8.1	8.8	9.4	9.2
CRMS 0224	10.4	9.5	10.2	9.3	8.3	7.5	6.6	6.0	7.0	8.5	9.1	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.3	13.3	13.2	9.1	9.0	9.6	10.0
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.1	6.5	7.1	6.8	7.9	8.9	9.5

V3PR4 HYST - cy 1 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	8.7	8.5	8.2	7.7	6.9	6.6	7.3	8.0	8.5	9.3	9.7
CRMS0276 - Just east of Wilkinson Canal	10.3	10.0	10.6	9.9	10.4	10.0	9.3	9.1	8.2	8.0	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.9	10.6	12.1	12.2	10.9	11.6	9.4	10.1	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	10.5	9.7	9.4	8.8	7.8	6.8	6.4	7.8	8.7	9.7	9.5	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.2	8.3	8.6	7.8	7.4	6.6	7.8	9.5	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.6	10.0	9.2	8.3	7.7	6.8	7.3	6.6	7.8	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	11.1	10.7	10.0	9.8	8.3	7.9	6.5	6.4	6.1	7.5	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	10.9	10.3	10.2	10.9	10.0	9.1	8.0	8.0	7.1	8.6	9.5	9.2
HWQ14 - Lake Washington	10.9	10.2	10.1	10.0	8.8	7.8	6.6	6.2	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.4	9.8	9.6	9.4	8.0	7.2	6.4	6.0	6.0	6.7	8.4	8.4
CRMS 3985	11.0	10.4	9.8	9.6	8.3	7.0	5.7	5.4	6.3	7.4	9.5	9.5
CRMS 0258	11.6	10.7	10.3	11.4	12.6	13.3	13.3	11.7	8.1	8.8	9.5	9.5
CRMS 0224	11.3	10.5	10.0	11.0	12.4	12.2	12.2	9.7	7.5	8.3	9.0	9.0
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.6	13.5	13.1	8.9	8.9	9.6	10.0
CRMS 0162	10.6	10.0	9.5	8.6	7.6	7.1	6.5	7.3	6.8	7.8	8.9	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-1.4	-1.8	-1.0	-0.4	-0.1	-0.2	0.5	1.1	0.3	-0.7	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.5	0.2	0.4	-0.2	-0.4	-0.4	0.1	0.5	-0.1	0.0	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.4	0.0	-0.1	0.0	-0.2	0.0	-0.1	0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.8	-0.4	-0.7	-0.4	-0.6	-0.9	-1.1	0.3	1.0	1.0	-0.6	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.2	0.3	0.9	2.2	1.7	1.5	0.0	-0.1	0.0	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	0.9	-0.3	0.2	0.4	1.0	0.6	1.3	0.2	-0.1	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.1	1.1	-0.6	0.5	0.0	0.8	-0.1	-0.1	-0.2	-0.2	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.6	0.6	-0.4	1.4	1.4	1.3	0.3	0.2	0.3	-0.2	0.0	0.1
HWQ14 - Lake Washington	0.1	0.2	-0.3	1.1	0.9	0.9	0.4	0.2	-0.1	-0.2	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.6	0.7	0.6	0.9	0.6	0.5	0.4	0.4	-0.1	-0.1	-0.2	0.1
CRMS 3985	0.1	0.2	0.2	1.0	1.0	0.6	-0.2	-0.4	0.0	-0.2	0.0	0.3
CRMS 0258	0.5	0.5	-0.2	1.1	2.3	3.1	3.1	1.4	0.0	-0.1	0.0	0.3
CRMS 0224	0.8	1.0	-0.2	1.7	4.1	4.8	5.6	3.7	0.5	-0.2	-0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	0.2	-0.1	-0.2	-0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0	-0.1	0.0	0.0

Figure WQ DO 54 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.3	9.2	8.2	7.3	7.1	7.1	7.1	8.3	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.3	9.9	9.8	11.1	9.2	7.3	6.8	7.6	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.8	13.9	11.6	11.2	9.9	11.0	10.4	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	10.1	9.2	8.5	8.0	7.9	7.8	7.9	8.7	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.9	9.0	7.5	6.4	6.2	6.0	6.5	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.8	6.4	6.0	6.4	8.0	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	10.4	9.3	8.4	7.3	6.8	6.6	6.3	7.6	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.5	10.6	9.6	8.8	7.9	7.7	7.7	6.9	8.8	9.6	9.2
HWQ14 - Lake Washington	10.9	10.0	10.4	9.0	7.8	6.9	6.3	6.0	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	8.8	8.3	7.4	7.3	6.3	5.6	6.1	6.9	9.2	8.4
CRMS 3985	11.0	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.2	7.7	9.6	9.2
CRMS 0258	10.9	9.6	10.0	10.5	10.4	10.5	10.6	10.2	7.6	8.6	9.4	9.7
CRMS 0224	10.4	9.2	9.9	9.4	8.8	8.1	7.4	6.8	6.9	8.5	9.0	8.6
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.1	13.5	12.9	10.3	9.6	9.6	10.1
CRMS 0162	10.5	10.0	9.4	8.6	7.4	6.7	6.5	7.4	6.9	8.2	9.0	9.4

V3PR4 HYST - cy 1 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.5	8.2	7.5	7.0	6.6	7.9	8.1	8.6	9.2	8.4
CRMS0276 - Just east of Wilkinson Canal	9.6	9.2	9.5	9.7	10.2	10.6	9.7	9.4	8.3	7.6	9.9	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.4	8.9	13.8	11.5	11.3	9.8	10.8	10.5	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.4	9.4	8.7	7.6	6.8	6.4	9.4	8.6	9.6	9.4	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.8	9.0	7.6	10.0	8.6	6.5	6.5	7.8	9.5	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.9	9.8	8.9	7.5	8.1	7.4	7.1	6.4	7.8	9.1	9.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	9.9	9.2	7.6	8.9	7.2	6.6	6.1	7.4	8.8	9.8
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	9.8	10.6	9.6	9.4	8.7	8.5	7.1	8.6	9.5	9.4
HWQ14 - Lake Washington	10.9	10.1	9.8	9.9	8.7	7.8	6.9	6.3	6.3	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.5	8.7	9.2	9.1	7.8	7.9	6.6	5.7	5.9	6.7	8.9	8.8
CRMS 3985	11.0	10.2	9.7	9.4	8.1	7.5	5.9	5.6	6.3	7.4	9.5	9.4
CRMS 0258	11.0	9.8	10.1	10.6	12.2	14.6	13.6	10.8	7.7	8.7	9.5	10.1
CRMS 0224	10.6	9.5	9.8	10.4	12.1	13.8	12.9	8.8	7.5	8.4	9.0	9.7
CRMS 0163	11.0	10.7	10.2	9.1	7.9	8.3	13.6	12.9	10.1	9.5	9.6	10.0
CRMS 0162	10.5	10.0	9.5	8.6	7.4	6.8	6.6	7.7	6.9	8.0	9.0	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.3	-1.8	-1.0	-0.7	-0.2	-0.5	0.7	1.1	0.3	-0.8	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.2	-0.2	0.4	-0.5	0.5	2.1	1.5	-0.1	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.1	-0.1	-0.1	0.1	-0.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.4	-0.7	-0.5	-0.9	-1.2	-1.4	1.6	0.7	0.9	-0.6	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.1	-0.2	-0.1	0.2	3.5	2.4	0.5	-0.1	-0.2	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.3	-0.4	-0.2	-0.5	1.2	1.0	1.1	0.0	-0.2	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.5	-0.1	-0.8	1.7	0.5	0.0	-0.2	-0.2	-0.2	1.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.8	1.0	0.8	1.6	1.0	0.7	0.2	-0.2	-0.1	0.2
HWQ14 - Lake Washington	0.0	0.1	-0.6	0.9	0.8	1.0	0.6	0.3	-0.1	-0.3	-0.2	-0.2
HWQ16 - Bayou Grand Liard	0.1	0.1	0.4	0.8	0.4	0.6	0.4	0.1	-0.2	-0.2	-0.3	0.5
CRMS 3985	0.0	0.0	0.1	0.7	0.7	1.1	0.0	-0.1	0.0	-0.3	-0.1	0.2
CRMS 0258	0.1	0.2	0.1	0.2	1.8	4.0	3.0	0.6	0.1	0.1	0.0	0.4
CRMS 0224	0.2	0.3	-0.1	1.0	3.3	5.7	5.4	2.0	0.5	-0.1	-0.1	1.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.0	-0.3	0.0	0.1

Figure WQ DO 55 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.1	8.1	7.2	6.8	6.3	6.6	8.0	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.6	10.4	11.1	10.5	8.8	7.8	7.6	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.5	11.0	10.0	9.9	9.9	9.9	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.5	7.2	7.4	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.2	8.9	7.5	6.5	6.2	6.1	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.9	6.3	5.9	6.4	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.5	8.5	7.3	6.8	6.3	6.3	7.7	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.7	10.6	9.7	8.7	7.7	7.7	7.5	7.0	8.8	9.4	9.2
HWQ14 - Lake Washington	10.9	10.1	10.2	8.9	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.9	8.6	7.9	7.0	6.0	6.5	6.0	6.8	7.9	8.1
CRMS 3985	11.0	10.2	9.9	8.7	7.5	6.5	6.1	5.9	6.4	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.3	10.3	10.4	10.3	9.3	7.6	7.4	8.6	9.5	9.4
CRMS 0224	10.4	9.5	10.1	9.4	8.6	7.7	6.8	5.7	6.5	8.3	9.2	8.7
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.4	10.2	8.7	9.6	10.0
CRMS 0162	10.6	10.0	9.3	8.6	7.5	7.5	6.9	8.0	6.7	7.8	9.0	9.5

V3PR5 HYST - cy 1 - 1975 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	8.9	8.5	8.2	7.7	6.9	7.3	7.9	7.9	8.5	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.2	9.9	9.8	9.9	10.8	10.3	9.0	8.2	7.5	7.9	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.4	11.0	10.2	9.7	9.9	9.9	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	10.1	9.4	8.7	7.7	6.8	9.3	9.4	8.5	9.8	9.6	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.8	9.0	8.3	9.2	7.3	6.2	6.4	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.7	9.9	9.0	8.2	8.4	7.7	6.2	6.2	7.7	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	11.0	10.6	9.9	9.2	8.8	8.7	6.8	6.4	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.8	10.3	9.9	10.9	10.2	9.1	8.1	7.6	6.7	8.6	9.4	9.2
HWQ14 - Lake Washington	10.9	10.2	9.8	10.2	9.0	7.7	6.7	6.2	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.2	9.6	9.5	9.3	8.5	7.4	6.2	5.8	6.0	6.8	8.0	8.1
CRMS 3985	11.1	10.3	9.8	9.4	9.0	7.0	5.8	5.8	6.3	7.4	9.5	9.2
CRMS 0258	11.5	10.7	10.2	10.8	12.9	12.4	10.4	8.2	7.6	8.7	9.6	9.7
CRMS 0224	11.1	10.4	9.9	10.8	13.0	11.6	9.2	6.8	6.3	7.7	9.0	9.2
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.5	10.0	8.7	9.6	10.0
CRMS 0162	10.7	10.0	9.4	8.6	7.5	7.7	7.1	8.1	6.7	7.7	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-1.3	-1.8	-1.0	-0.5	-0.3	0.5	1.6	1.3	0.5	-0.7	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.5	0.2	0.2	-0.5	-0.3	-0.2	0.2	0.4	-0.1	0.0	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.2	-0.1	0.0	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.4	0.1	-0.7	-0.4	-0.6	-1.0	1.7	2.1	1.1	1.4	-0.4	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.4	0.1	0.8	2.6	1.1	0.1	-0.4	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.0	-0.4	-0.3	0.0	1.6	1.4	0.3	-0.1	-0.2	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	1.0	1.1	-0.7	-0.3	0.4	1.4	0.1	0.1	-0.3	-0.3	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.5	0.6	-0.7	1.2	1.5	1.3	0.4	0.2	-0.2	-0.2	0.0	0.0
HWQ14 - Lake Washington	0.1	0.1	-0.4	1.3	1.1	0.8	0.3	0.0	-0.2	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.5	0.6	0.5	0.7	0.6	0.4	0.2	-0.7	-0.1	0.0	0.0	0.1
CRMS 3985	0.1	0.1	-0.2	0.7	1.5	0.5	-0.3	-0.1	-0.1	-0.2	0.0	0.0
CRMS 0258	0.3	0.5	-0.1	0.5	2.5	2.2	1.1	0.6	0.1	0.1	0.1	0.3
CRMS 0224	0.7	1.0	-0.2	1.4	4.3	3.9	2.5	1.1	-0.2	-0.5	-0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.1	0.0	0.0

Figure WQ DO 56 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.1	10.3	9.2	8.1	7.2	6.6	6.4	6.7	8.0	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.7	10.1	11.1	10.2	8.5	8.0	7.5	7.5	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.8	9.8	13.2	12.0	10.6	10.5	9.9	10.7	10.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.4	7.2	7.3	8.4	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.1	8.9	7.5	6.5	6.1	6.3	6.7	7.9	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.8	6.3	5.9	6.3	7.9	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	10.6	9.6	8.5	7.3	6.8	6.3	6.2	7.5	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.6	8.7	7.7	7.7	7.3	6.9	8.7	9.5	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.6	9.0	9.1	8.7	8.0	6.8	5.9	5.8	6.0	7.4	8.9	8.2
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.4	5.9	5.9	6.3	7.7	9.6	9.3
CRMS 0258	11.1	10.1	10.3	10.3	10.4	9.7	8.4	7.4	7.3	8.4	9.3	9.5
CRMS 0224	10.4	9.4	10.2	9.4	8.7	7.8	6.5	5.9	6.5	8.2	9.0	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.7	12.7	11.9	10.5	10.4	9.6	10.0
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.8	7.0	7.9	6.7	7.9	9.1	9.5

V3PR5 HYST - cy 1 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	8.8	8.4	8.2	7.7	7.9	7.6	7.9	8.1	8.6	9.2	8.9
CRMS0276 - Just east of Wilkinson Canal	9.8	9.9	9.9	9.9	10.7	10.2	8.6	8.1	7.4	7.4	9.6	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.9	10.0	13.2	12.0	10.7	10.8	9.8	10.9	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	9.3	8.7	7.7	9.3	10.3	9.6	8.5	9.7	9.5	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.8	9.0	8.4	8.0	6.6	6.2	6.4	7.8	9.5	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.7	9.8	9.0	8.2	8.5	6.7	6.1	6.2	7.7	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.7	10.7	9.9	9.5	8.9	8.5	6.7	6.3	6.0	7.4	8.8	9.3
USGS073802516 Barataria Pass at Grand Isle	10.7	10.3	9.9	10.9	10.3	8.7	7.7	7.5	6.7	8.6	9.4	9.4
HWQ14 - Lake Washington	10.9	10.2	9.9	10.1	9.0	7.8	6.6	6.1	6.3	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.9	9.6	9.6	9.6	8.7	7.0	6.0	5.7	6.0	7.1	8.6	8.3
CRMS 3985	11.0	10.4	9.8	9.5	9.0	6.9	6.0	5.9	6.3	7.4	9.5	9.6
CRMS 0258	11.3	10.7	10.2	11.3	12.8	10.4	9.0	7.9	7.3	8.5	9.4	9.8
CRMS 0224	10.9	10.5	10.0	11.3	13.2	9.5	7.4	6.4	6.1	7.7	8.8	9.2
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.7	12.8	12.0	10.5	10.4	9.6	10.0
CRMS 0162	10.7	10.0	9.3	8.6	7.5	7.9	7.1	8.0	6.6	7.9	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-1.4	-1.9	-1.0	-0.4	0.7	1.0	1.5	1.4	0.6	-0.7	-0.9
CRMS0276 - Just east of Wilkinson Canal	0.2	0.2	0.2	-0.1	-0.4	0.0	0.1	0.1	-0.1	-0.1	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	0.0	0.0	0.1	0.3	-0.1	0.1	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.7	-0.4	-0.6	1.5	2.9	2.3	1.2	1.3	-0.4	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.4	0.1	0.9	1.5	0.4	-0.1	-0.2	-0.1	-0.1	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.0	-0.5	-0.1	0.1	1.7	0.4	0.2	-0.1	-0.1	0.0	0.6
USGS 07380335 - Little Lake Near Cutoff	0.8	1.2	-0.7	0.0	0.5	1.3	-0.1	0.0	-0.2	-0.2	-0.2	0.7
USGS073802516 Barataria Pass at Grand Isle	0.4	0.6	-0.7	1.3	1.6	1.0	0.0	0.2	-0.2	-0.1	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.2	-0.5	1.1	1.2	0.8	0.2	0.0	-0.1	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.3	0.6	0.5	0.9	0.8	0.2	0.1	-0.1	-0.1	-0.3	-0.3	0.1
CRMS 3985	0.0	0.2	0.1	0.9	1.6	0.5	0.1	0.0	0.0	-0.2	-0.1	0.2
CRMS 0258	0.3	0.6	-0.1	1.0	2.3	0.8	0.6	0.5	0.0	0.1	0.0	0.2
CRMS 0224	0.5	1.1	-0.2	1.9	4.5	1.7	0.9	0.5	-0.4	-0.6	-0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	0.0	0.0

Figure WQ DO 57 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.1	8.9	7.8	6.4	6.2	6.1	6.5	7.8	10.1	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.5	9.4	9.4	9.8	8.8	7.8	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.0	10.9	9.1	9.2	9.8	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.8	8.8	7.8	6.8	6.8	6.5	6.7	8.1	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.4	6.5	6.8	6.2	6.8	8.1	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.7	6.4	5.8	6.3	7.9	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	10.4	9.3	8.4	7.2	6.7	6.0	6.3	7.7	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.5	9.3	8.5	7.5	7.3	6.9	7.1	8.7	9.5	9.4
HWQ14 - Lake Washington	10.9	10.0	10.5	9.1	7.9	6.9	6.8	6.3	6.5	8.0	9.6	9.6
HWQ16 - Bayou Grand Liard	8.4	8.8	8.6	8.0	7.1	6.5	6.5	8.3	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.2	9.7	8.9	7.6	6.5	7.0	6.2	6.6	7.7	9.6	9.4
CRMS 0258	10.8	10.0	10.0	9.7	9.5	7.2	6.9	6.6	6.7	8.0	9.8	9.6
CRMS 0224	10.4	9.3	9.8	8.8	7.6	6.2	5.9	5.4	6.2	8.1	9.1	9.0
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.1	10.2	10.1	10.5	8.8	9.6	9.9
CRMS 0162	10.7	10.2	9.7	8.6	7.8	7.8	7.4	7.5	5.8	7.9	9.1	9.5

V3PR5 HYST - cy 1 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.4	9.3	8.8	7.8	7.7	7.3	7.7	8.3	8.4	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.7	9.4	9.6	8.7	7.8	7.0	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.0	10.9	9.3	9.4	9.9	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.5	9.9	9.7	8.2	8.6	8.9	8.4	8.1	9.4	9.6	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.4	8.6	7.1	6.5	6.2	6.6	7.9	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.6	10.2	9.4	8.5	7.1	6.4	5.9	6.2	7.7	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.1	10.4	10.7	9.3	8.3	7.3	6.7	6.0	6.1	7.4	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.4	10.1	10.9	9.8	9.3	7.6	7.4	6.9	6.7	8.6	9.5	9.3
HWQ14 - Lake Washington	10.9	10.2	10.6	9.6	8.4	7.2	6.6	6.2	6.4	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.2	8.9	8.1	7.6	6.5	6.3	8.1	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.3	9.8	8.9	7.8	6.6	6.0	5.9	6.4	7.5	9.5	9.3
CRMS 0258	10.9	10.4	10.5	10.1	10.7	7.6	7.4	7.1	6.7	8.0	9.8	9.7
CRMS 0224	10.5	10.1	10.6	9.4	9.9	6.9	6.2	5.4	5.8	7.6	9.0	9.1
CRMS 0163	11.1	10.7	10.2	9.2	8.9	10.9	10.4	10.2	10.5	8.7	9.6	10.0
CRMS 0162	10.6	10.2	9.7	8.6	7.8	7.9	7.5	7.5	5.4	7.9	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.7	-0.8	0.0	0.0	1.3	1.1	1.6	1.9	0.6	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.3	0.0	-0.2	-0.2	0.0	0.1	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.2	0.1	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.6	0.1	0.9	0.4	1.8	2.2	1.9	1.4	1.3	-0.3	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.1	0.4	1.2	0.6	-0.3	0.0	-0.2	-0.2	0.0	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	1.0	-0.1	0.3	0.5	0.4	0.1	0.0	-0.1	-0.2	0.1	0.0
USGS 07380335 - Little Lake Near Cutoff	0.2	1.0	0.3	0.0	-0.1	0.1	0.0	-0.1	-0.2	-0.3	0.1	0.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.4	0.5	0.8	0.1	0.1	0.0	-0.3	-0.1	0.0	-0.1
HWQ14 - Lake Washington	0.0	0.1	0.1	0.5	0.5	0.2	-0.2	-0.1	-0.1	-0.3	-0.1	-0.3
HWQ16 - Bayou Grand Liard	0.1	0.3	0.3	0.2	0.4	0.0	-0.2	-0.3	-0.1	-0.1	0.0	0.0
CRMS 3985	0.0	0.1	0.1	-0.1	0.2	0.1	-0.9	-0.3	-0.2	-0.2	-0.1	-0.1
CRMS 0258	0.1	0.5	0.5	0.4	1.1	0.3	0.5	0.5	0.0	0.1	0.0	0.1
CRMS 0224	0.1	0.8	0.9	0.6	2.3	0.6	0.4	0.0	-0.4	-0.5	-0.1	0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.2	0.3	0.1	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.0	-0.3	0.0	0.0	0.0

Figure WQ DO 58 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.4	9.2	8.1	7.0	6.8	6.8	6.9	8.2	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.8	9.8	10.2	10.1	10.8	10.4	9.1	8.7	8.3	8.0	9.5	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	10.2	12.0	12.3	10.9	11.7	9.3	10.2	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	10.1	9.2	8.4	7.7	7.6	7.5	7.8	8.7	10.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	8.9	7.4	6.4	6.1	6.0	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.1	7.9	6.7	6.2	5.9	6.4	7.9	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.4	8.3	7.1	6.6	6.4	6.3	7.6	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.5	8.6	7.8	7.7	7.8	6.8	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.0	10.3	9.0	7.9	6.9	6.3	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.8	9.1	9.0	8.4	7.4	6.8	6.1	5.6	6.1	6.8	8.6	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.3	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.4	10.3	10.3	10.2	10.2	10.2	8.1	8.8	9.4	9.2
CRMS 0224	10.4	9.5	10.2	9.3	8.3	7.5	6.6	6.0	7.0	8.5	9.1	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.3	13.3	13.2	9.1	9.0	9.6	10.0
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.1	6.5	7.1	6.8	7.9	8.9	9.5

V3PR5 HYST - cy 1 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	8.7	8.5	8.2	7.7	6.9	6.6	7.3	8.1	8.5	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.3	10.0	10.6	9.9	10.4	10.0	9.3	9.1	8.2	8.0	9.2	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.9	10.5	12.1	12.1	10.9	11.5	9.4	10.2	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.9	9.5	8.8	7.8	6.8	6.4	7.8	9.0	9.9	9.6	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.8	9.2	8.3	8.6	7.8	7.4	6.6	7.8	9.6	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.6	9.9	9.2	8.3	7.7	6.8	7.2	6.6	7.8	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	11.1	10.7	10.0	9.8	8.3	7.9	6.4	6.4	6.1	7.5	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	10.9	10.3	10.1	10.9	10.0	9.1	8.0	8.0	7.1	8.6	9.4	9.2
HWQ14 - Lake Washington	10.9	10.2	10.0	10.1	8.7	7.8	6.6	6.2	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	9.4	9.8	9.6	9.4	8.0	7.3	6.4	6.0	6.0	6.7	8.2	8.4
CRMS 3985	11.0	10.4	9.8	9.6	8.3	7.0	5.7	5.4	6.3	7.4	9.5	9.2
CRMS 0258	11.6	10.7	10.3	11.4	12.5	13.2	13.2	11.7	8.2	8.7	9.5	9.5
CRMS 0224	11.3	10.5	10.0	11.0	12.3	12.1	12.1	9.7	7.5	8.3	8.9	9.0
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.6	13.5	13.1	8.9	9.0	9.7	10.0
CRMS 0162	10.6	9.9	9.5	8.6	7.6	7.2	6.5	7.3	6.8	7.8	8.9	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-1.4	-1.8	-1.0	-0.4	-0.1	-0.2	0.6	1.2	0.3	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.5	0.2	0.4	-0.2	-0.3	-0.3	0.1	0.4	0.0	0.0	-0.3	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.4	0.0	-0.1	0.0	-0.2	0.0	0.0	0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-0.2	-0.6	-0.3	-0.6	-1.0	-1.2	0.3	1.2	1.2	-0.5	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.2	0.3	0.9	2.2	1.6	1.5	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	0.9	-0.3	0.2	0.4	1.0	0.6	1.3	0.2	-0.1	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.1	1.1	-0.6	0.5	0.0	0.8	-0.1	-0.1	-0.2	-0.1	0.0	0.3
USGS073802516 Barataria Pass at Grand Isle	0.6	0.6	-0.5	1.4	1.4	1.3	0.3	0.2	0.3	-0.2	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.2	-0.3	1.2	0.8	0.9	0.4	0.3	-0.1	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.6	0.7	0.6	0.9	0.5	0.5	0.4	0.5	-0.1	-0.1	-0.4	0.0
CRMS 3985	0.1	0.2	0.1	1.0	0.9	0.6	-0.2	-0.4	0.0	-0.2	0.0	0.0
CRMS 0258	0.4	0.5	-0.2	1.2	2.2	3.0	3.0	1.5	0.1	-0.1	0.0	0.3
CRMS 0224	0.8	1.0	-0.2	1.7	4.0	4.6	5.5	3.8	0.5	-0.2	-0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	-0.2	0.0	0.0	0.0
CRMS 0162	0.1	0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.0	-0.1	0.0	0.0

Figure WQ DO 59 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.3	9.2	8.2	7.3	7.1	7.1	7.1	8.3	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.3	9.9	9.8	11.1	9.2	7.3	6.8	7.6	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.8	13.9	11.6	11.2	9.9	11.0	10.4	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	10.1	9.2	8.5	8.0	7.9	7.8	7.9	8.7	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.9	9.0	7.5	6.4	6.2	6.0	6.5	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.8	6.4	6.0	6.4	8.0	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	10.4	9.3	8.4	7.3	6.8	6.6	6.3	7.6	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.5	10.6	9.6	8.8	7.9	7.7	7.7	6.9	8.8	9.6	9.2
HWQ14 - Lake Washington	10.9	10.0	10.4	9.0	7.8	6.9	6.3	6.0	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	8.8	8.3	7.4	7.3	6.3	5.6	6.1	6.9	9.2	8.4
CRMS 3985	11.0	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.2	7.7	9.6	9.2
CRMS 0258	10.9	9.6	10.0	10.5	10.4	10.5	10.6	10.2	7.6	8.6	9.4	9.7
CRMS 0224	10.4	9.2	9.9	9.4	8.8	8.1	7.4	6.8	6.9	8.5	9.0	8.6
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.1	13.5	12.9	10.3	9.6	9.6	10.1
CRMS 0162	10.5	10.0	9.4	8.6	7.4	6.7	6.5	7.4	6.9	8.2	9.0	9.4

V3PR5 HYST - cy 1 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.5	8.2	7.5	7.0	6.6	8.0	8.2	8.6	9.2	8.4
CRMS0276 - Just east of Wilkinson Canal	9.6	9.2	9.5	9.7	10.1	10.6	9.7	9.4	8.3	7.6	9.9	8.9
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.9	13.8	11.4	11.3	9.8	10.8	10.5	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.4	9.5	8.8	7.6	6.8	6.4	9.8	8.7	9.9	9.5	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.8	9.0	7.6	9.9	8.5	6.5	6.5	7.8	9.5	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.9	9.8	8.9	7.5	8.1	7.3	7.1	6.4	7.8	9.1	9.9
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	9.9	9.2	7.6	8.9	7.2	6.5	6.1	7.4	8.8	9.8
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	9.8	10.6	9.6	9.4	8.7	8.5	7.1	8.6	9.4	9.4
HWQ14 - Lake Washington	10.9	10.1	9.8	10.0	8.7	7.9	6.9	6.3	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	8.7	9.2	9.1	7.8	7.8	6.6	5.7	5.9	6.7	8.9	8.8
CRMS 3985	11.0	10.2	9.7	9.4	8.1	7.5	5.9	5.6	6.3	7.4	9.5	9.4
CRMS 0258	11.0	9.8	10.1	10.7	12.2	14.4	13.5	10.8	7.7	8.7	9.5	10.1
CRMS 0224	10.6	9.5	9.8	10.4	12.1	13.7	12.8	8.8	7.4	8.4	9.0	9.7
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.3	13.6	12.9	10.2	9.5	9.6	10.0
CRMS 0162	10.5	10.0	9.5	8.6	7.4	6.8	6.5	7.6	7.0	8.0	9.0	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.3	-1.8	-1.0	-0.7	-0.2	-0.5	0.9	1.1	0.4	-0.8	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.2	-0.2	0.3	-0.5	0.5	2.2	1.5	0.0	0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.1	-0.1	-0.2	0.1	-0.1	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.4	-0.6	-0.4	-1.0	-1.2	-1.5	2.1	0.8	1.2	-0.5	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.1	-0.2	-0.1	0.2	3.5	2.4	0.5	-0.1	-0.2	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.3	-0.4	-0.2	-0.5	1.2	1.0	1.0	0.0	-0.2	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.5	-0.1	-0.8	1.7	0.4	-0.1	-0.2	-0.2	-0.2	1.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.8	1.0	0.8	1.5	1.0	0.7	0.2	-0.2	-0.1	0.2
HWQ14 - Lake Washington	0.0	0.1	-0.6	0.9	0.9	1.0	0.6	0.3	-0.1	-0.3	-0.2	-0.2
HWQ16 - Bayou Grand Liard	0.1	0.1	0.4	0.8	0.4	0.6	0.4	0.1	-0.2	-0.2	-0.3	0.5
CRMS 3985	0.0	0.0	0.1	0.6	0.7	1.2	0.0	-0.2	0.0	-0.3	-0.1	0.3
CRMS 0258	0.1	0.2	0.1	0.3	1.8	3.9	2.9	0.6	0.1	0.1	0.0	0.3
CRMS 0224	0.2	0.3	-0.1	1.0	3.3	5.6	5.3	1.9	0.5	-0.1	-0.1	1.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.2	0.0	-0.2	0.0	0.1

Figure WQ DO 60 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.1	8.1	7.2	6.8	6.3	6.6	8.0	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.6	10.4	11.1	10.5	8.8	7.8	7.6	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.5	11.0	10.0	9.9	9.9	9.9	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.5	7.2	7.4	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.2	8.9	7.5	6.5	6.2	6.1	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.9	6.3	5.9	6.4	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.5	8.5	7.3	6.8	6.3	6.3	7.7	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.7	10.6	9.7	8.7	7.7	7.7	7.5	7.0	8.8	9.4	9.2
HWQ14 - Lake Washington	10.9	10.1	10.2	8.9	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.9	8.6	7.9	7.0	6.0	6.5	6.0	6.8	7.9	8.1
CRMS 3985	11.0	10.2	9.9	8.7	7.5	6.5	6.1	5.9	6.4	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.3	10.3	10.4	10.3	9.3	7.6	7.4	8.6	9.5	9.4
CRMS 0224	10.4	9.5	10.1	9.4	8.6	7.7	6.8	5.7	6.5	8.3	9.2	8.7
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.4	10.2	8.7	9.6	10.0
CRMS 0162	10.6	10.0	9.3	8.6	7.5	7.5	6.9	8.0	6.7	7.8	9.0	9.5

V3PR6 HYST - cy 1 - 1975 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.0	8.6	8.3	8.0	7.6	6.9	7.0	7.0	7.5	8.2	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.4	10.1	9.8	10.6	11.3	10.8	9.3	8.3	7.5	7.9	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.9	9.2	13.7	12.3	11.1	10.3	9.8	10.0	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.2	9.5	8.9	8.4	7.7	6.8	8.5	8.4	7.8	8.9	9.2	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.5	9.7	8.7	7.6	8.1	7.5	6.2	6.3	7.7	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.5	9.6	8.7	7.6	7.1	7.3	6.2	6.1	7.6	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	11.2	10.7	9.8	8.8	7.7	7.4	6.9	6.6	6.0	7.3	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	11.0	10.4	9.7	10.5	10.6	10.0	8.4	7.7	6.7	8.6	9.4	9.2
HWQ14 - Lake Washington	11.0	10.3	9.8	10.5	10.0	8.5	6.9	6.2	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.7	10.0	9.6	9.2	8.8	7.8	6.3	5.9	6.0	6.8	8.0	8.1
CRMS 3985	11.2	10.5	9.8	8.8	8.1	7.5	5.8	5.7	6.2	7.4	9.5	9.2
CRMS 0258	11.5	10.8	10.1	9.2	9.5	14.9	11.3	8.2	7.5	8.6	9.5	9.6
CRMS 0224	11.3	10.7	10.0	8.9	8.5	13.9	10.7	7.2	6.5	7.8	9.0	9.0
CRMS 0163	11.2	10.7	10.1	9.1	8.3	11.4	12.8	11.5	10.0	8.7	9.6	10.0
CRMS 0162	10.7	10.1	9.5	8.6	7.6	8.0	7.4	8.5	6.8	7.8	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-1.5	-2.0	-1.1	-0.5	-0.3	0.2	0.7	0.8	0.2	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.7	0.4	0.2	0.2	0.1	0.3	0.5	0.5	0.0	-0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	0.1	-0.2	0.0	0.3	-0.1	0.1	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-0.5	-1.2	-0.7	-0.7	-0.9	1.0	1.1	0.4	0.5	-0.8	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.5	-0.2	0.1	1.6	1.3	0.1	-0.4	-0.3	-0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.7	-0.7	-0.6	-0.6	0.2	1.0	0.3	-0.3	-0.3	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	1.2	1.1	-0.9	-0.7	-0.8	0.1	0.1	0.3	-0.3	-0.3	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.7	0.7	-0.8	0.8	2.0	2.2	0.7	0.2	-0.2	-0.2	-0.1	0.0
HWQ14 - Lake Washington	0.1	0.2	-0.5	1.6	2.1	1.5	0.4	0.0	-0.2	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	1.0	0.9	0.7	0.6	0.9	0.8	0.3	-0.6	-0.1	0.0	0.0	0.1
CRMS 3985	0.2	0.3	-0.2	0.2	0.7	1.0	-0.3	-0.1	-0.1	-0.3	0.0	0.0
CRMS 0258	0.4	0.6	-0.2	-1.1	-0.9	4.6	1.9	0.7	0.1	0.0	0.0	0.2
CRMS 0224	0.9	1.2	-0.2	-0.5	-0.2	6.1	3.9	1.5	0.1	-0.5	-0.2	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.2	0.0	0.1	-0.2	0.0	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.5	0.4	0.5	0.1	0.0	0.0	0.1

Figure WQ DO 61 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.1	10.3	9.2	8.1	7.2	6.6	6.4	6.7	8.0	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.7	10.1	11.1	10.2	8.5	8.0	7.5	7.5	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.8	9.8	13.2	12.0	10.6	10.5	9.9	10.7	10.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.4	7.2	7.3	8.4	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.1	8.9	7.5	6.5	6.1	6.3	6.7	7.9	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.8	6.3	5.9	6.3	7.9	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	10.6	9.6	8.5	7.3	6.8	6.3	6.2	7.5	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.6	8.7	7.7	7.7	7.3	6.9	8.7	9.5	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.6	9.0	9.1	8.7	8.0	6.8	5.9	5.8	6.0	7.4	8.9	8.2
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.4	5.9	5.9	6.3	7.7	9.6	9.3
CRMS 0258	11.1	10.1	10.3	10.3	10.4	9.7	8.4	7.4	7.3	8.4	9.3	9.5
CRMS 0224	10.4	9.4	10.2	9.4	8.7	7.8	6.5	5.9	6.5	8.2	9.0	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.7	12.7	11.9	10.5	10.4	9.6	10.0
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.8	7.0	7.9	6.7	7.9	9.1	9.5

V3PR6 HYST - cy 1 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	8.6	8.3	8.1	7.6	7.5	7.2	7.0	7.6	8.4	9.2	8.8
CRMS0276 - Just east of Wilkinson Canal	10.0	10.1	9.8	10.8	11.0	10.4	8.7	8.1	7.4	7.5	9.6	8.8
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.9	10.5	13.4	12.1	10.8	11.0	9.8	10.9	10.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.3	8.8	8.4	7.7	9.1	9.4	8.4	7.7	8.9	9.1	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.6	8.8	7.6	8.0	6.5	6.1	6.3	7.7	9.4	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.4	9.4	8.7	7.6	8.2	6.7	6.0	6.1	7.6	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	10.9	10.7	9.7	8.8	7.7	8.5	6.8	6.3	6.0	7.3	8.8	9.5
USGS073802516 Barataria Pass at Grand Isle	10.8	10.4	9.7	10.8	10.7	9.1	7.8	7.5	6.6	8.6	9.4	9.3
HWQ14 - Lake Washington	10.9	10.3	9.8	10.6	10.0	8.0	6.6	6.0	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.1	10.0	9.7	9.5	8.9	7.4	6.0	5.8	6.0	7.1	8.7	8.5
CRMS 3985	11.1	10.5	9.7	9.0	8.1	7.0	5.9	5.8	6.3	7.4	9.5	9.4
CRMS 0258	11.4	10.8	10.0	9.2	9.3	10.6	9.1	7.9	7.3	8.4	9.3	9.8
CRMS 0224	11.1	10.7	9.9	8.9	8.3	10.4	7.6	6.6	6.1	7.5	8.8	9.3
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.8	12.8	12.0	10.4	10.4	9.7	10.0
CRMS 0162	10.7	10.1	9.4	8.6	7.6	8.3	7.4	8.4	6.6	8.1	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.5	-1.6	-2.0	-1.1	-0.5	0.3	0.7	0.7	0.9	0.4	-0.7	-1.1
CRMS0276 - Just east of Wilkinson Canal	0.4	0.4	0.1	0.8	-0.1	0.2	0.2	0.1	0.0	0.0	-0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.7	0.2	0.1	0.3	0.6	-0.1	0.2	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.4	-0.7	-1.3	-0.7	-0.7	1.3	2.0	1.2	0.4	0.5	-0.9	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.6	-0.1	0.1	1.5	0.4	-0.2	-0.3	-0.2	-0.2	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.7	-0.9	-0.4	-0.5	1.4	0.4	0.1	-0.3	-0.3	0.0	0.6
USGS 07380335 - Little Lake Near Cutoff	1.0	1.2	-1.0	-0.8	-0.8	1.2	0.0	0.0	-0.3	-0.2	-0.2	0.9
USGS073802516 Barataria Pass at Grand Isle	0.5	0.8	-0.9	1.1	2.0	1.4	0.1	0.2	-0.3	-0.1	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.3	-0.6	1.6	2.2	1.1	0.3	-0.1	-0.1	-0.4	-0.1	-0.2
HWQ16 - Bayou Grand Liard	0.5	1.0	0.6	0.8	1.0	0.6	0.1	0.0	-0.1	-0.3	-0.2	0.3
CRMS 3985	0.1	0.3	0.0	0.3	0.7	0.6	0.0	-0.1	0.0	-0.3	-0.1	0.1
CRMS 0258	0.3	0.7	-0.3	-1.2	-1.1	1.0	0.7	0.6	-0.1	0.0	0.0	0.3
CRMS 0224	0.7	1.3	-0.3	-0.5	-0.4	2.6	1.1	0.7	-0.3	-0.7	-0.2	0.7
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.1	0.0	0.0	0.6	0.4	0.5	0.0	0.1	0.0	0.1

Figure WQ DO 62 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.1	8.9	7.8	6.4	6.2	6.1	6.5	7.8	10.1	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.5	9.4	9.4	9.8	8.8	7.8	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.0	10.9	9.1	9.2	9.8	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.8	8.8	7.8	6.8	6.8	6.5	6.7	8.1	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.4	6.5	6.8	6.2	6.8	8.1	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.7	6.4	5.8	6.3	7.9	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	10.4	9.3	8.4	7.2	6.7	6.0	6.3	7.7	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.5	9.3	8.5	7.5	7.3	6.9	7.1	8.7	9.5	9.4
HWQ14 - Lake Washington	10.9	10.0	10.5	9.1	7.9	6.9	6.8	6.3	6.5	8.0	9.6	9.6
HWQ16 - Bayou Grand Liard	8.4	8.8	8.6	8.0	7.1	6.5	6.5	8.3	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.2	9.7	8.9	7.6	6.5	7.0	6.2	6.6	7.7	9.6	9.4
CRMS 0258	10.8	10.0	10.0	9.7	9.5	7.2	6.9	6.6	6.7	8.0	9.8	9.6
CRMS 0224	10.4	9.3	9.8	8.8	7.6	6.2	5.9	5.4	6.2	8.1	9.1	9.0
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.1	10.2	10.1	10.5	8.8	9.6	9.9
CRMS 0162	10.7	10.2	9.7	8.6	7.8	7.8	7.4	7.5	5.8	7.9	9.1	9.5

V3PR6 HYST - cy 1 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.2	9.2	8.8	7.6	7.2	7.0	7.2	7.9	8.2	9.3	9.6
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.8	9.5	9.7	8.6	7.8	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.1	11.1	9.5	9.5	10.0	9.9	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	9.6	9.2	7.9	8.1	8.5	7.8	7.5	8.6	9.2	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.3	8.4	7.1	6.5	6.2	6.6	7.8	9.5	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.6	10.1	9.3	8.1	7.2	6.4	5.8	6.1	7.6	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.1	10.6	10.6	9.3	7.9	7.5	6.8	5.9	6.1	7.4	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.4	10.2	10.9	9.8	9.6	7.7	7.4	6.9	6.7	8.5	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	10.6	9.6	8.5	7.2	6.6	6.2	6.4	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.5	9.4	9.0	8.2	7.7	6.5	6.3	8.1	6.0	6.9	8.0	8.2
CRMS 3985	11.0	10.3	9.8	8.9	8.0	6.7	6.1	5.9	6.4	7.5	9.5	9.5
CRMS 0258	10.9	10.6	10.4	10.1	10.9	7.8	7.4	7.1	6.7	7.9	9.8	9.6
CRMS 0224	10.5	10.4	10.6	9.6	10.9	7.1	6.3	5.5	5.8	7.5	9.0	9.0
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.0	10.4	10.2	10.6	8.7	9.6	10.0
CRMS 0162	10.7	10.2	9.7	8.6	7.9	8.3	8.0	8.1	5.6	8.0	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.9	-0.9	-0.1	-0.2	0.8	0.8	1.1	1.4	0.4	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.4	0.1	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.2	-0.2	0.4	0.2	1.2	1.8	1.3	0.8	0.5	-0.7	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.2	0.3	0.9	0.7	-0.3	-0.1	-0.2	-0.3	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	1.0	-0.2	0.3	0.1	0.5	0.0	-0.1	-0.2	-0.3	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.3	1.2	0.2	0.0	-0.5	0.2	0.1	-0.1	-0.2	-0.3	0.0	0.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.7	0.4	0.5	1.1	0.2	0.1	-0.1	-0.4	-0.2	0.0	-0.1
HWQ14 - Lake Washington	0.0	0.2	0.1	0.5	0.6	0.3	-0.2	-0.1	-0.1	-0.4	-0.1	-0.2
HWQ16 - Bayou Grand Liard	0.1	0.6	0.4	0.2	0.6	0.1	-0.1	-0.2	-0.1	-0.1	0.0	0.1
CRMS 3985	0.0	0.1	0.1	-0.1	0.4	0.2	-0.9	-0.3	-0.2	-0.3	-0.1	0.1
CRMS 0258	0.1	0.7	0.4	0.4	1.4	0.5	0.5	0.5	0.0	0.0	0.0	0.0
CRMS 0224	0.1	1.1	0.8	0.8	3.4	0.9	0.5	0.1	-0.4	-0.6	-0.2	0.0
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	0.1	0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.1	0.5	0.6	0.6	-0.1	0.0	0.0	0.1

Figure WQ DO 63 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.4	9.2	8.1	7.0	6.8	6.8	6.9	8.2	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.8	9.8	10.2	10.1	10.8	10.4	9.1	8.7	8.3	8.0	9.5	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	10.2	12.0	12.3	10.9	11.7	9.3	10.2	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	10.1	9.2	8.4	7.7	7.6	7.5	7.8	8.7	10.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	8.9	7.4	6.4	6.1	6.0	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.1	7.9	6.7	6.2	5.9	6.4	7.9	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.4	8.3	7.1	6.6	6.4	6.3	7.6	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.5	8.6	7.8	7.7	7.8	6.8	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.0	10.3	9.0	7.9	6.9	6.3	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.8	9.1	9.0	8.4	7.4	6.8	6.1	5.6	6.1	6.8	8.6	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.3	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.4	10.3	10.3	10.2	10.2	10.2	8.1	8.8	9.4	9.2
CRMS 0224	10.4	9.5	10.2	9.3	8.3	7.5	6.6	6.0	7.0	8.5	9.1	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.3	13.3	13.2	9.1	9.0	9.6	10.0
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.1	6.5	7.1	6.8	7.9	8.9	9.5

V3PR6 HYST - cy 1 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.1	7.6	6.9	6.6	7.0	7.5	8.2	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.6	10.2	10.3	10.8	10.3	10.3	8.5	9.4	8.3	7.9	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	10.0	10.9	12.2	12.2	11.2	11.5	9.5	10.3	10.7	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	10.0	9.2	9.0	8.5	7.8	6.9	6.5	7.4	8.4	9.1	9.2	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.8	8.9	7.9	7.1	6.3	6.9	6.6	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.2	9.7	8.8	7.8	6.8	6.1	6.6	6.6	7.7	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.3	10.5	9.9	9.1	8.0	7.0	6.0	6.2	6.2	7.5	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	11.0	10.4	9.9	10.7	9.8	9.6	8.3	8.0	7.3	8.6	9.4	9.2
HWQ14 - Lake Washington	11.0	10.3	9.9	10.4	9.3	8.5	6.9	6.4	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	10.0	10.2	9.7	9.5	8.1	7.5	6.4	6.1	6.0	6.7	8.3	8.4
CRMS 3985	11.2	10.5	9.8	9.1	7.8	7.2	5.8	5.5	6.2	7.4	9.5	9.2
CRMS 0258	11.6	10.7	10.2	9.5	10.1	13.7	14.5	13.3	8.2	8.7	9.4	9.4
CRMS 0224	11.4	10.7	10.0	9.4	9.9	11.4	11.9	12.0	7.8	8.4	9.0	9.0
CRMS 0163	11.2	10.7	10.1	9.1	8.5	10.8	13.6	13.0	8.8	9.0	9.6	10.0
CRMS 0162	10.7	10.0	9.5	8.6	7.6	7.6	6.8	7.7	6.9	7.9	8.9	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-1.7	-2.0	-1.1	-0.5	-0.1	-0.2	0.2	0.6	0.0	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.8	0.4	0.1	0.8	-0.4	0.0	-0.6	0.7	0.0	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.7	0.1	-0.1	0.4	-0.2	0.1	0.1	0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.3	-0.9	-1.1	-0.7	-0.6	-0.9	-1.1	0.0	0.6	0.4	-0.9	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.3	0.0	0.4	0.7	0.2	0.9	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.5	-0.6	-0.2	-0.2	0.1	-0.1	0.6	0.2	-0.2	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	1.3	1.0	-0.7	-0.3	-0.3	-0.1	-0.5	-0.3	-0.1	-0.1	0.0	0.3
USGS073802516 Barataria Pass at Grand Isle	0.7	0.7	-0.8	1.2	1.2	1.9	0.6	0.2	0.5	-0.2	-0.1	0.0
HWQ14 - Lake Washington	0.1	0.3	-0.5	1.4	1.4	1.7	0.6	0.4	-0.1	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	1.2	1.0	0.7	1.1	0.6	0.7	0.4	0.5	-0.1	-0.1	-0.3	0.0
CRMS 3985	0.2	0.3	0.1	0.5	0.5	0.8	-0.1	-0.3	-0.1	-0.2	0.0	0.0
CRMS 0258	0.5	0.6	-0.3	-0.8	-0.2	3.5	4.3	3.0	0.1	-0.2	0.0	0.2
CRMS 0224	0.9	1.2	-0.2	0.1	1.6	3.9	5.3	6.0	0.8	-0.1	-0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.5	0.3	-0.2	-0.3	-0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.5	0.3	0.6	0.1	0.0	0.0	0.0

Figure WQ DO 64 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.3	9.2	8.2	7.3	7.1	7.1	7.1	8.3	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.3	9.9	9.8	11.1	9.2	7.3	6.8	7.6	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.8	13.9	11.6	11.2	9.9	11.0	10.4	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	10.1	9.2	8.5	8.0	7.9	7.8	7.9	8.7	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.9	9.0	7.5	6.4	6.2	6.0	6.5	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.8	6.4	6.0	6.4	8.0	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	10.4	9.3	8.4	7.3	6.8	6.6	6.3	7.6	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.5	10.6	9.6	8.8	7.9	7.7	7.7	6.9	8.8	9.6	9.2
HWQ14 - Lake Washington	10.9	10.0	10.4	9.0	7.8	6.9	6.3	6.0	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	8.8	8.3	7.4	7.3	6.3	5.6	6.1	6.9	9.2	8.4
CRMS 3985	11.0	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.2	7.7	9.6	9.2
CRMS 0258	10.9	9.6	10.0	10.5	10.4	10.5	10.6	10.2	7.6	8.6	9.4	9.7
CRMS 0224	10.4	9.2	9.9	9.4	8.8	8.1	7.4	6.8	6.9	8.5	9.0	8.6
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.1	13.5	12.9	10.3	9.6	9.6	10.1
CRMS 0162	10.5	10.0	9.4	8.6	7.4	6.7	6.5	7.4	6.9	8.2	9.0	9.4

V3PR6 HYST - cy 1 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.3	8.0	7.3	7.1	6.6	7.2	7.6	8.3	9.1	8.2
CRMS0276 - Just east of Wilkinson Canal	9.6	9.2	9.5	10.2	9.5	11.2	9.7	9.7	8.2	7.6	9.9	9.2
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.5	9.2	13.7	11.3	11.4	10.0	11.0	10.5	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	9.0	8.5	7.5	6.9	6.5	8.7	8.1	9.2	9.1	8.9
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.7	8.8	7.3	6.7	6.9	6.7	6.4	7.7	9.4	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.8	9.6	8.7	7.3	6.6	6.4	7.2	6.4	7.7	9.0	9.7
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	9.8	8.8	7.2	7.0	6.4	6.9	6.1	7.4	8.8	9.8
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	9.7	10.3	8.9	10.9	9.2	9.1	7.2	8.6	9.4	9.5
HWQ14 - Lake Washington	10.9	10.1	9.7	10.3	8.6	9.5	7.3	6.5	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.5	8.6	9.4	9.1	7.7	8.4	6.8	5.8	5.9	6.7	8.9	9.1
CRMS 3985	11.0	10.2	9.7	8.9	7.3	7.8	6.2	5.7	6.2	7.4	9.4	9.6
CRMS 0258	10.9	9.8	10.0	9.2	8.4	11.9	15.1	10.8	7.6	8.6	9.4	10.1
CRMS 0224	10.6	9.5	9.9	9.0	7.7	9.2	12.6	8.9	7.4	8.2	8.9	9.9
CRMS 0163	11.0	10.7	10.2	9.1	7.9	8.6	13.5	12.9	10.1	9.5	9.6	10.1
CRMS 0162	10.5	10.0	9.5	8.7	7.4	6.9	6.8	8.0	7.0	8.3	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.3	-2.0	-1.2	-0.8	-0.2	-0.5	0.0	0.5	0.1	-0.8	-1.8
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.3	0.3	-0.3	0.1	0.5	2.4	1.4	0.0	0.1	0.5
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.3	0.4	-0.2	-0.3	0.2	0.1	0.0	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.2	-1.1	-0.7	-1.0	-1.1	-1.4	1.0	0.2	0.4	-0.9	-0.8
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.3	-0.2	-0.2	0.3	0.8	0.7	-0.1	-0.3	-0.2	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.2	-0.7	-0.4	-0.8	-0.2	0.0	1.2	-0.1	-0.3	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.6	-0.5	-1.2	-0.2	-0.4	0.3	-0.2	-0.2	-0.2	1.3
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.9	0.7	0.1	3.0	1.5	1.4	0.4	-0.2	-0.1	0.3
HWQ14 - Lake Washington	0.0	0.0	-0.7	1.2	0.8	2.7	1.0	0.5	-0.2	-0.4	-0.2	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.1	0.5	0.8	0.3	1.1	0.5	0.2	-0.2	-0.2	-0.2	0.8
CRMS 3985	0.0	0.0	0.1	0.1	-0.1	1.5	0.3	-0.1	0.0	-0.4	-0.1	0.4
CRMS 0258	0.0	0.2	0.0	-1.2	-1.9	1.3	4.5	0.6	0.0	0.0	0.0	0.4
CRMS 0224	0.1	0.2	-0.1	-0.4	-1.1	1.1	5.2	2.1	0.5	-0.3	-0.1	1.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.6	0.0	0.1	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.1	0.0	0.0	0.2	0.4	0.6	0.0	0.1	0.0	0.1

Figure WQ DO 65 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.1	8.1	7.2	6.8	6.3	6.6	8.0	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.6	10.4	11.1	10.5	8.8	7.8	7.6	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.5	11.0	10.0	9.9	9.9	9.9	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.5	7.2	7.4	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.2	8.9	7.5	6.5	6.2	6.1	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.9	6.3	5.9	6.4	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.5	8.5	7.3	6.8	6.3	6.3	7.7	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.7	10.6	9.7	8.7	7.7	7.7	7.5	7.0	8.8	9.4	9.2
HWQ14 - Lake Washington	10.9	10.1	10.2	8.9	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.9	8.6	7.9	7.0	6.0	6.5	6.0	6.8	7.9	8.1
CRMS 3985	11.0	10.2	9.9	8.7	7.5	6.5	6.1	5.9	6.4	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.3	10.3	10.4	10.3	9.3	7.6	7.4	8.6	9.5	9.4
CRMS 0224	10.4	9.5	10.1	9.4	8.6	7.7	6.8	5.7	6.5	8.3	9.2	8.7
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.4	10.2	8.7	9.6	10.0
CRMS 0162	10.6	10.0	9.3	8.6	7.5	7.5	6.9	8.0	6.7	7.8	9.0	9.5

V3PR7 HYST - cy 1 - 1975 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.0	8.6	8.3	8.0	7.6	6.9	7.0	7.1	7.5	8.2	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.4	10.1	9.8	10.6	11.3	10.7	9.3	8.3	7.6	7.9	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.9	9.3	13.7	12.3	11.1	10.3	9.9	10.0	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.4	9.7	9.0	8.5	7.7	6.8	8.8	8.4	7.8	8.8	9.3	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.5	9.6	8.7	7.6	8.0	7.5	6.2	6.3	7.7	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.5	9.6	8.7	7.6	7.1	7.3	6.2	6.1	7.6	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	11.2	10.7	9.8	8.8	7.7	7.5	6.9	6.6	6.0	7.4	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	11.0	10.4	9.7	10.5	10.7	10.0	8.4	7.7	6.7	8.6	9.4	9.2
HWQ14 - Lake Washington	11.0	10.3	9.8	10.5	10.2	8.5	6.9	6.2	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.7	10.0	9.6	9.2	8.8	7.8	6.3	5.9	6.0	6.8	8.0	8.1
CRMS 3985	11.2	10.5	9.8	8.8	8.1	7.5	5.8	5.7	6.2	7.4	9.5	9.4
CRMS 0258	11.5	10.8	10.1	9.2	9.7	14.8	11.2	8.2	7.5	8.7	9.6	9.6
CRMS 0224	11.3	10.7	10.0	8.9	8.7	14.0	10.7	7.3	6.6	7.8	9.0	9.1
CRMS 0163	11.2	10.7	10.1	9.1	8.3	11.5	12.8	11.5	10.1	8.7	9.6	10.0
CRMS 0162	10.7	10.1	9.5	8.6	7.6	8.0	7.4	8.5	6.8	7.8	9.0	9.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-1.5	-2.0	-1.1	-0.5	-0.3	0.2	0.8	0.9	0.2	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.7	0.4	0.2	0.2	0.2	0.3	0.5	0.5	0.0	0.0	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	0.0	-0.3	0.0	0.3	0.0	0.1	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-0.3	-1.0	-0.6	-0.7	-1.0	1.3	1.2	0.4	0.4	-0.7	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.5	-0.2	0.1	1.5	1.3	0.1	-0.4	-0.3	-0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.7	-0.7	-0.6	-0.6	0.2	1.0	0.3	-0.2	-0.3	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	1.2	1.1	-0.9	-0.7	-0.8	0.1	0.2	0.3	-0.3	-0.3	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.7	0.7	-0.8	0.8	2.0	2.2	0.7	0.3	-0.2	-0.2	-0.1	0.0
HWQ14 - Lake Washington	0.1	0.2	-0.5	1.6	2.3	1.6	0.4	0.0	-0.2	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	1.0	0.9	0.7	0.6	0.9	0.8	0.3	-0.6	-0.1	0.0	0.0	0.0
CRMS 3985	0.2	0.3	-0.2	0.2	0.6	1.1	-0.3	-0.1	-0.1	-0.3	0.0	0.2
CRMS 0258	0.4	0.6	-0.2	-1.1	-0.8	4.6	1.9	0.7	0.1	0.0	0.0	0.2
CRMS 0224	0.9	1.2	-0.2	-0.5	0.0	6.2	3.9	1.6	0.1	-0.5	-0.2	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.1	-0.1	-0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.5	0.5	0.5	0.1	0.0	0.0	0.1

Figure WQ DO 66 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.1	10.3	9.2	8.1	7.2	6.6	6.4	6.7	8.0	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.7	10.1	11.1	10.2	8.5	8.0	7.5	7.5	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.8	9.8	13.2	12.0	10.6	10.5	9.9	10.7	10.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.4	7.2	7.3	8.4	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.1	8.9	7.5	6.5	6.1	6.3	6.7	7.9	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.8	6.3	5.9	6.3	7.9	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	10.6	9.6	8.5	7.3	6.8	6.3	6.2	7.5	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.6	8.7	7.7	7.7	7.3	6.9	8.7	9.5	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.6	9.0	9.1	8.7	8.0	6.8	5.9	5.8	6.0	7.4	8.9	8.2
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.4	5.9	5.9	6.3	7.7	9.6	9.3
CRMS 0258	11.1	10.1	10.3	10.3	10.4	9.7	8.4	7.4	7.3	8.4	9.3	9.5
CRMS 0224	10.4	9.4	10.2	9.4	8.7	7.8	6.5	5.9	6.5	8.2	9.0	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.7	12.7	11.9	10.5	10.4	9.6	10.0
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.8	7.0	7.9	6.7	7.9	9.1	9.5

V3PR7 HYST - cy 1 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	8.6	8.3	8.1	7.6	7.5	7.2	7.1	7.6	8.3	9.2	8.8
CRMS0276 - Just east of Wilkinson Canal	10.0	10.1	9.8	10.8	11.0	10.4	8.7	8.1	7.3	7.4	9.7	8.8
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.9	10.5	13.3	12.1	10.8	11.0	9.9	10.9	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.0	9.5	8.9	8.5	7.7	9.1	9.7	8.4	7.7	8.7	9.2	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.6	8.8	7.6	8.0	6.5	6.1	6.3	7.7	9.4	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.4	9.4	8.7	7.6	8.2	6.7	6.0	6.1	7.6	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	10.9	10.7	9.7	8.8	7.7	8.5	6.8	6.3	6.0	7.3	8.8	9.5
USGS073802516 Barataria Pass at Grand Isle	10.8	10.4	9.7	10.8	10.7	9.1	7.8	7.5	6.6	8.6	9.4	9.3
HWQ14 - Lake Washington	10.9	10.3	9.8	10.7	10.1	8.0	6.6	6.0	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.1	10.0	9.7	9.5	9.0	7.4	6.0	5.8	6.0	7.1	8.7	8.5
CRMS 3985	11.1	10.5	9.7	8.9	8.1	7.0	5.9	5.8	6.3	7.4	9.5	9.4
CRMS 0258	11.4	10.8	10.0	9.2	9.5	10.6	9.1	7.9	7.3	8.4	9.3	9.8
CRMS 0224	11.1	10.7	9.9	8.9	8.4	10.4	7.6	6.6	6.2	7.5	8.8	9.3
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.9	12.8	11.9	10.4	10.4	9.6	10.0
CRMS 0162	10.7	10.1	9.4	8.6	7.6	8.3	7.4	8.5	6.7	8.1	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.5	-1.6	-2.0	-1.1	-0.5	0.3	0.6	0.7	0.9	0.3	-0.7	-1.1
CRMS0276 - Just east of Wilkinson Canal	0.4	0.4	0.1	0.8	-0.1	0.2	0.2	0.1	-0.1	-0.1	-0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.7	0.1	0.1	0.2	0.6	0.0	0.2	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.3	-0.5	-1.1	-0.6	-0.7	1.3	2.3	1.2	0.4	0.3	-0.7	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.6	-0.1	0.1	1.5	0.4	-0.2	-0.3	-0.2	-0.1	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.7	-0.9	-0.5	-0.5	1.4	0.4	0.1	-0.3	-0.3	0.0	0.6
USGS 07380335 - Little Lake Near Cutoff	1.0	1.2	-1.0	-0.8	-0.8	1.2	0.0	0.1	-0.3	-0.2	-0.2	0.9
USGS073802516 Barataria Pass at Grand Isle	0.5	0.8	-0.9	1.1	2.0	1.4	0.1	0.2	-0.3	-0.1	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.3	-0.6	1.7	2.2	1.1	0.3	-0.1	-0.1	-0.4	-0.1	-0.2
HWQ16 - Bayou Grand Liard	0.5	1.0	0.6	0.8	1.0	0.6	0.1	0.0	-0.1	-0.3	-0.2	0.3
CRMS 3985	0.1	0.3	0.0	0.3	0.7	0.6	0.0	-0.1	0.0	-0.3	-0.1	0.1
CRMS 0258	0.3	0.7	-0.3	-1.1	-0.9	1.0	0.7	0.6	0.0	0.0	0.0	0.3
CRMS 0224	0.7	1.3	-0.3	-0.4	-0.3	2.6	1.1	0.7	-0.3	-0.7	-0.2	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.1	0.0	0.0	0.5	0.4	0.6	0.0	0.2	0.0	0.1

Figure WQ DO 67 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.1	8.9	7.8	6.4	6.2	6.1	6.5	7.8	10.1	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.5	9.4	9.4	9.8	8.8	7.8	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.0	10.9	9.1	9.2	9.8	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.8	8.8	7.8	6.8	6.8	6.5	6.7	8.1	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.4	6.5	6.8	6.2	6.8	8.1	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.7	6.4	5.8	6.3	7.9	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	10.4	9.3	8.4	7.2	6.7	6.0	6.3	7.7	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.5	9.3	8.5	7.5	7.3	6.9	7.1	8.7	9.5	9.4
HWQ14 - Lake Washington	10.9	10.0	10.5	9.1	7.9	6.9	6.8	6.3	6.5	8.0	9.6	9.6
HWQ16 - Bayou Grand Liard	8.4	8.8	8.6	8.0	7.1	6.5	6.5	8.3	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.2	9.7	8.9	7.6	6.5	7.0	6.2	6.6	7.7	9.6	9.4
CRMS 0258	10.8	10.0	10.0	9.7	9.5	7.2	6.9	6.6	6.7	8.0	9.8	9.6
CRMS 0224	10.4	9.3	9.8	8.8	7.6	6.2	5.9	5.4	6.2	8.1	9.1	9.0
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.1	10.2	10.1	10.5	8.8	9.6	9.9
CRMS 0162	10.7	10.2	9.7	8.6	7.8	7.8	7.4	7.5	5.8	7.9	9.1	9.5

V3PR7 HYST - cy 1 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.2	9.2	8.8	7.6	7.2	7.1	7.2	7.9	8.2	9.3	9.6
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.8	9.5	9.7	8.7	7.8	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.1	11.1	9.4	9.5	10.0	10.0	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	9.7	9.3	8.0	8.2	8.6	7.8	7.6	8.5	9.3	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.8	9.3	8.4	7.1	6.5	6.2	6.6	7.8	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.6	10.0	9.3	8.1	7.2	6.4	5.8	6.1	7.6	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.1	10.6	10.4	9.3	7.9	7.5	6.8	6.0	6.1	7.5	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.4	10.2	10.9	9.8	9.6	7.7	7.4	6.9	6.7	8.5	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	10.6	9.7	8.5	7.2	6.6	6.2	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.4	9.0	8.2	7.7	6.5	6.3	8.1	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.4	9.8	8.9	8.0	6.7	6.1	5.9	6.4	7.5	9.5	9.3
CRMS 0258	10.9	10.6	10.4	10.1	10.9	7.8	7.4	7.1	6.7	7.9	9.8	9.6
CRMS 0224	10.5	10.4	10.6	9.6	10.9	7.1	6.3	5.5	5.9	7.6	9.0	8.9
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.0	10.4	10.1	10.6	8.7	9.6	9.9
CRMS 0162	10.7	10.2	9.7	8.6	7.9	8.3	8.0	7.9	5.9	8.0	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.9	-0.9	-0.1	-0.2	0.8	0.8	1.1	1.4	0.3	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.4	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.3	0.2	0.2	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.3	-0.2	0.4	0.2	1.4	1.8	1.3	0.8	0.4	-0.6	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.2	0.3	0.9	0.7	-0.3	0.0	-0.2	-0.3	0.0	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	1.0	-0.3	0.2	0.1	0.5	0.1	-0.1	-0.2	-0.3	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.3	1.2	0.0	0.0	-0.5	0.2	0.1	0.0	-0.2	-0.2	0.1	0.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.7	0.4	0.5	1.1	0.2	0.1	0.0	-0.3	-0.1	0.0	-0.2
HWQ14 - Lake Washington	0.0	0.2	0.1	0.5	0.6	0.3	-0.2	-0.1	-0.1	-0.3	-0.1	-0.3
HWQ16 - Bayou Grand Liard	0.1	0.6	0.4	0.2	0.6	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.1
CRMS 3985	0.0	0.2	0.1	-0.1	0.5	0.2	-0.9	-0.3	-0.2	-0.3	-0.1	-0.1
CRMS 0258	0.1	0.7	0.4	0.4	1.4	0.5	0.5	0.4	0.0	0.0	0.0	0.0
CRMS 0224	0.1	1.1	0.8	0.9	3.4	0.9	0.4	0.1	-0.4	-0.5	-0.2	0.0
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	0.1	0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.1	0.0	0.1	0.6	0.6	0.4	0.1	0.0	0.0	0.1

Figure WQ DO 68 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.4	9.2	8.1	7.0	6.8	6.8	6.9	8.2	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.8	9.8	10.2	10.1	10.8	10.4	9.1	8.7	8.3	8.0	9.5	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	10.2	12.0	12.3	10.9	11.7	9.3	10.2	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	10.1	9.2	8.4	7.7	7.6	7.5	7.8	8.7	10.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	8.9	7.4	6.4	6.1	6.0	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.1	7.9	6.7	6.2	5.9	6.4	7.9	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.4	8.3	7.1	6.6	6.4	6.3	7.6	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.5	8.6	7.8	7.7	7.8	6.8	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.0	10.3	9.0	7.9	6.9	6.3	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.8	9.1	9.0	8.4	7.4	6.8	6.1	5.6	6.1	6.8	8.6	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.3	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.4	10.3	10.3	10.2	10.2	10.2	8.1	8.8	9.4	9.2
CRMS 0224	10.4	9.5	10.2	9.3	8.3	7.5	6.6	6.0	7.0	8.5	9.1	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.3	13.3	13.2	9.1	9.0	9.6	10.0
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.1	6.5	7.1	6.8	7.9	8.9	9.5

V3PR7 HYST - cy 1 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.1	7.6	6.9	6.6	7.0	7.5	8.2	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.6	10.2	10.3	10.8	10.3	10.3	8.5	9.4	8.3	8.0	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	10.0	10.9	12.2	12.1	11.2	11.5	9.5	10.3	10.7	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	10.2	9.4	9.2	8.6	7.8	6.8	6.5	7.4	8.3	8.9	9.3	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.3	9.7	8.9	7.9	7.3	6.3	6.9	6.5	7.8	9.4	9.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.2	9.7	8.9	7.8	6.8	6.1	6.6	6.6	7.7	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.3	10.5	9.9	9.1	8.0	7.0	6.0	6.2	6.2	7.5	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	11.0	10.4	9.9	10.7	9.8	9.6	8.3	8.0	7.3	8.6	9.4	9.1
HWQ14 - Lake Washington	11.0	10.3	9.9	10.4	9.3	8.5	6.9	6.4	6.3	7.5	9.5	9.2
HWQ16 - Bayou Grand Liard	10.0	10.2	9.7	9.5	8.1	7.5	6.4	6.1	6.0	6.7	8.3	8.4
CRMS 3985	11.2	10.5	9.8	9.1	7.8	7.1	5.8	5.5	6.2	7.4	9.5	9.2
CRMS 0258	11.6	10.7	10.2	9.5	10.2	14.0	14.9	13.1	8.2	8.7	9.4	9.4
CRMS 0224	11.4	10.7	10.0	9.4	10.1	12.0	11.9	11.9	7.8	8.4	9.0	9.0
CRMS 0163	11.2	10.7	10.1	9.2	8.5	10.8	13.6	13.1	8.8	8.9	9.6	10.0
CRMS 0162	10.7	10.0	9.5	8.6	7.6	7.7	6.8	7.8	6.9	8.0	8.9	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-1.7	-2.0	-1.1	-0.5	-0.1	-0.2	0.2	0.6	0.0	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.8	0.4	0.1	0.8	-0.5	0.0	-0.6	0.7	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.7	0.2	-0.1	0.3	-0.2	0.1	0.1	0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-0.7	-0.9	-0.6	-0.6	-0.9	-1.1	-0.1	0.5	0.2	-0.8	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.3	0.0	0.4	0.9	0.2	1.0	-0.1	-0.2	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.5	-0.6	-0.2	-0.2	0.1	-0.1	0.6	0.2	-0.2	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	1.3	1.0	-0.7	-0.3	-0.3	-0.1	-0.5	-0.3	-0.1	-0.1	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.7	0.8	-0.8	1.2	1.2	1.8	0.6	0.2	0.4	-0.2	-0.1	0.0
HWQ14 - Lake Washington	0.1	0.3	-0.5	1.4	1.4	1.6	0.6	0.4	-0.1	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	1.2	1.0	0.7	1.1	0.6	0.7	0.3	0.5	-0.1	-0.1	-0.3	0.0
CRMS 3985	0.2	0.3	0.1	0.5	0.5	0.8	-0.1	-0.3	-0.1	-0.2	0.0	0.0
CRMS 0258	0.5	0.6	-0.3	-0.7	-0.1	3.8	4.6	2.9	0.1	-0.1	0.0	0.2
CRMS 0224	0.9	1.2	-0.2	0.1	1.8	4.5	5.3	6.0	0.8	-0.2	-0.2	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.5	0.2	-0.1	-0.3	-0.1	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.5	0.4	0.7	0.1	0.1	0.0	0.0

Figure WQ DO 69 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.3	9.2	8.2	7.3	7.1	7.1	7.1	8.3	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.3	9.9	9.8	11.1	9.2	7.3	6.8	7.6	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.8	13.9	11.6	11.2	9.9	11.0	10.4	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	10.1	9.2	8.5	8.0	7.9	7.8	7.9	8.7	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.9	9.0	7.5	6.4	6.2	6.0	6.5	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.8	6.4	6.0	6.4	8.0	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	10.4	9.3	8.4	7.3	6.8	6.6	6.3	7.6	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.5	10.6	9.6	8.8	7.9	7.7	7.7	6.9	8.8	9.6	9.2
HWQ14 - Lake Washington	10.9	10.0	10.4	9.0	7.8	6.9	6.3	6.0	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	8.8	8.3	7.4	7.3	6.3	5.6	6.1	6.9	9.2	8.4
CRMS 3985	11.0	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.2	7.7	9.6	9.2
CRMS 0258	10.9	9.6	10.0	10.5	10.4	10.5	10.6	10.2	7.6	8.6	9.4	9.7
CRMS 0224	10.4	9.2	9.9	9.4	8.8	8.1	7.4	6.8	6.9	8.5	9.0	8.6
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.1	13.5	12.9	10.3	9.6	9.6	10.1
CRMS 0162	10.5	10.0	9.4	8.6	7.4	6.7	6.5	7.4	6.9	8.2	9.0	9.4

V3PR7 HYST - cy 1 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.3	8.0	7.3	7.0	6.6	7.2	7.6	8.3	9.1	8.2
CRMS0276 - Just east of Wilkinson Canal	9.6	9.2	9.5	10.2	9.5	11.3	9.7	9.7	8.2	7.6	9.9	9.3
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.5	9.2	13.7	11.4	11.4	9.9	11.0	10.5	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	9.1	8.6	7.5	6.9	6.5	8.7	8.1	8.9	9.2	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.7	8.8	7.3	6.7	6.9	6.8	6.4	7.7	9.4	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.8	9.6	8.7	7.3	6.7	6.4	7.3	6.4	7.7	9.0	9.7
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	9.8	8.8	7.2	7.0	6.4	6.9	6.1	7.4	8.8	9.8
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	9.7	10.3	8.9	10.9	9.3	9.2	7.3	8.7	9.4	9.5
HWQ14 - Lake Washington	10.9	10.1	9.7	10.2	8.6	9.5	7.3	6.5	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.5	8.6	9.4	9.1	7.7	8.4	6.8	5.8	5.9	6.7	8.9	9.2
CRMS 3985	11.0	10.2	9.7	8.9	7.3	7.8	6.2	5.7	6.2	7.4	9.4	9.6
CRMS 0258	10.9	9.8	10.0	9.3	8.6	12.5	15.3	10.8	7.6	8.6	9.4	10.1
CRMS 0224	10.6	9.5	9.9	9.0	7.7	9.4	13.0	9.0	7.5	8.3	8.9	9.9
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.7	13.6	13.0	10.1	9.5	9.6	10.1
CRMS 0162	10.5	10.0	9.5	8.7	7.4	6.9	6.8	8.0	7.0	8.4	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.3	-2.0	-1.2	-0.8	-0.2	-0.5	0.0	0.5	0.0	-0.8	-1.8
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.3	0.3	-0.3	0.2	0.5	2.5	1.4	0.0	0.0	0.5
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	0.4	-0.2	-0.2	0.2	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.2	-0.9	-0.7	-1.0	-1.2	-1.4	1.0	0.1	0.2	-0.8	-0.7
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.3	-0.2	-0.2	0.3	0.8	0.8	-0.1	-0.3	-0.2	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.2	-0.7	-0.4	-0.8	-0.2	0.1	1.2	0.0	-0.2	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.6	-0.5	-1.2	-0.2	-0.3	0.3	-0.1	-0.2	-0.2	1.3
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.9	0.7	0.1	3.1	1.6	1.4	0.4	-0.2	-0.1	0.3
HWQ14 - Lake Washington	0.0	0.0	-0.7	1.2	0.8	2.7	1.0	0.5	-0.2	-0.4	-0.2	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.1	0.5	0.8	0.3	1.1	0.5	0.2	-0.2	-0.2	-0.3	0.8
CRMS 3985	0.0	0.0	0.1	0.1	-0.1	1.5	0.4	-0.1	0.0	-0.4	-0.1	0.4
CRMS 0258	0.1	0.2	0.0	-1.2	-1.8	1.9	4.7	0.6	0.0	0.0	0.0	0.4
CRMS 0224	0.1	0.3	-0.1	-0.3	-1.1	1.3	5.6	2.2	0.6	-0.2	-0.1	1.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.6	0.1	0.1	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.1	0.0	0.0	0.2	0.4	0.6	0.1	0.2	0.0	0.1

Figure WQ DO 70 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.1	8.1	7.2	6.8	6.3	6.6	8.0	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.6	10.4	11.1	10.5	8.8	7.8	7.6	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.5	11.0	10.0	9.9	9.9	9.9	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.5	7.2	7.4	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.2	8.9	7.5	6.5	6.2	6.1	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.9	6.3	5.9	6.4	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.5	8.5	7.3	6.8	6.3	6.3	7.7	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.7	10.6	9.7	8.7	7.7	7.7	7.5	7.0	8.8	9.4	9.2
HWQ14 - Lake Washington	10.9	10.1	10.2	8.9	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.9	8.6	7.9	7.0	6.0	6.5	6.0	6.8	7.9	8.1
CRMS 3985	11.0	10.2	9.9	8.7	7.5	6.5	6.1	5.9	6.4	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.3	10.3	10.4	10.3	9.3	7.6	7.4	8.6	9.5	9.4
CRMS 0224	10.4	9.5	10.1	9.4	8.6	7.7	6.8	5.7	6.5	8.3	9.2	8.7
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.4	10.2	8.7	9.6	10.0
CRMS 0162	10.6	10.0	9.3	8.6	7.5	7.5	6.9	8.0	6.7	7.8	9.0	9.5

V3PR8 HYST - cy 1 - 1975 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.0	8.6	8.3	8.0	7.6	6.9	7.0	7.1	7.5	8.2	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.4	10.0	9.9	10.8	11.3	10.7	9.4	8.1	6.3	7.5	10.1	8.5
Barataria Waterway at Lafitte (USACE82875)	10.3	9.7	10.9	11.3	11.1	10.4	9.3	9.3	8.9	9.8	9.9	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	10.4	9.7	9.0	8.5	7.7	6.8	8.8	8.4	7.8	8.8	9.3	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.6	8.7	7.6	8.1	7.5	6.2	6.3	7.7	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.4	9.5	8.7	7.6	7.0	7.3	6.1	6.0	7.5	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.2	10.7	9.8	8.8	7.7	7.4	6.9	6.6	5.9	7.3	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	11.0	10.4	9.7	10.5	10.6	9.9	8.4	7.7	6.6	8.6	9.3	9.2
HWQ14 - Lake Washington	11.0	10.3	9.8	10.3	10.2	8.7	6.9	6.1	6.2	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.6	9.9	9.6	9.2	8.8	7.8	6.3	5.9	6.0	7.0	8.4	8.2
CRMS 3985	11.2	10.5	9.8	8.8	8.1	7.5	5.8	5.7	6.2	7.4	9.5	9.2
CRMS 0258	11.6	10.8	10.1	9.2	9.6	15.1	11.4	8.3	7.8	8.8	9.5	9.5
CRMS 0224	11.3	10.7	10.0	8.9	8.5	14.2	10.9	7.4	6.5	7.7	9.0	8.9
CRMS 0163	11.3	10.8	10.1	9.1	8.4	11.7	12.4	11.2	10.4	9.0	9.6	10.0
CRMS 0162	10.7	10.1	9.5	8.6	7.6	8.2	7.4	8.6	6.8	7.7	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-1.5	-2.0	-1.1	-0.5	-0.3	0.2	0.8	0.9	0.2	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.6	0.3	0.3	0.4	0.2	0.2	0.6	0.4	-1.3	-0.4	1.5	-0.1
Barataria Waterway at Lafitte (USACE82875)	-0.7	-0.8	1.1	2.2	-2.5	-2.1	-1.7	-0.7	-1.0	-0.1	0.0	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.9	-0.3	-1.0	-0.6	-0.7	-1.0	1.3	1.1	0.4	0.3	-0.7	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.5	-0.2	0.1	1.6	1.3	0.1	-0.4	-0.3	-0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.7	-0.7	-0.6	-0.6	0.2	1.0	0.2	-0.3	-0.4	-0.1	0.1
USGS 07380335 - Little Lake Near Cutoff	1.2	1.1	-0.9	-0.7	-0.8	0.1	0.1	0.3	-0.3	-0.4	0.0	0.1
USGS073802516 Barataria Pass at Grand Isle	0.7	0.7	-0.8	0.8	2.0	2.2	0.6	0.2	-0.4	-0.1	-0.1	-0.1
HWQ14 - Lake Washington	0.1	0.3	-0.5	1.4	2.3	1.7	0.5	0.0	-0.2	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.9	0.9	0.7	0.6	0.9	0.8	0.3	-0.5	0.0	0.2	0.5	0.2
CRMS 3985	0.2	0.3	-0.2	0.2	0.7	1.0	-0.3	-0.1	-0.1	-0.3	0.0	0.0
CRMS 0258	0.4	0.6	-0.2	-1.1	-0.8	4.8	2.0	0.8	0.3	0.1	0.0	0.1
CRMS 0224	0.9	1.2	-0.1	-0.5	-0.1	6.4	4.1	1.7	0.0	-0.6	-0.2	0.2
CRMS 0163	0.1	0.1	0.0	0.0	0.2	0.5	-0.4	-0.2	0.2	0.3	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.6	0.5	0.6	0.1	-0.1	0.0	0.1

Figure WQ DO 71 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.1	10.3	9.2	8.1	7.2	6.6	6.4	6.7	8.0	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.7	10.1	11.1	10.2	8.5	8.0	7.5	7.5	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.8	9.8	13.2	12.0	10.6	10.5	9.9	10.7	10.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.4	7.2	7.3	8.4	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.1	8.9	7.5	6.5	6.1	6.3	6.7	7.9	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.8	6.3	5.9	6.3	7.9	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	10.6	9.6	8.5	7.3	6.8	6.3	6.2	7.5	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.6	8.7	7.7	7.7	7.3	6.9	8.7	9.5	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.6	9.0	9.1	8.7	8.0	6.8	5.9	5.8	6.0	7.4	8.9	8.2
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.4	5.9	5.9	6.3	7.7	9.6	9.3
CRMS 0258	11.1	10.1	10.3	10.3	10.4	9.7	8.4	7.4	7.3	8.4	9.3	9.5
CRMS 0224	10.4	9.4	10.2	9.4	8.7	7.8	6.5	5.9	6.5	8.2	9.0	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.7	12.7	11.9	10.5	10.4	9.6	10.0
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.8	7.0	7.9	6.7	7.9	9.1	9.5

V3PR8 HYST - cy 1 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	8.6	8.3	8.1	7.6	7.5	7.2	7.1	7.6	8.3	9.2	8.8
CRMS0276 - Just east of Wilkinson Canal	9.9	10.0	9.9	11.0	11.1	10.3	8.8	8.0	6.2	8.4	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.3	9.7	11.0	11.3	11.6	10.5	9.4	9.3	8.8	9.8	9.3	9.2
USGS2928590900040000 Barataria Waterway South of Lafitte	11.0	9.5	8.9	8.5	7.7	9.1	9.7	8.5	7.7	8.7	9.2	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.6	8.8	7.6	8.0	6.5	6.1	6.4	7.7	9.5	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.4	9.4	8.7	7.5	8.2	6.7	5.9	6.0	7.5	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	10.9	10.7	9.7	8.8	7.7	8.5	6.8	6.2	5.9	7.2	8.9	9.4
USGS073802516 Barataria Pass at Grand Isle	10.8	10.4	9.7	10.8	10.7	9.2	7.8	7.5	6.5	8.5	9.3	9.3
HWQ14 - Lake Washington	10.9	10.4	9.8	10.7	10.2	8.1	6.6	6.0	6.3	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.1	10.0	9.7	9.5	8.9	7.3	6.0	5.8	6.1	7.9	8.8	8.6
CRMS 3985	11.1	10.5	9.7	8.9	8.1	7.0	5.9	5.8	6.3	7.4	9.5	9.6
CRMS 0258	11.4	10.8	10.0	9.2	9.4	10.7	9.1	8.1	7.4	8.3	9.3	9.8
CRMS 0224	11.1	10.7	9.9	9.0	8.3	10.5	7.7	6.8	6.1	7.3	8.7	9.2
CRMS 0163	11.3	10.7	10.1	9.2	8.2	11.9	12.4	11.5	10.6	10.4	9.6	10.0
CRMS 0162	10.7	10.1	9.4	8.6	7.6	8.4	7.4	8.5	6.7	8.0	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.5	-1.6	-2.0	-1.1	-0.5	0.3	0.6	0.7	0.9	0.3	-0.7	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.3	0.3	0.3	0.9	0.0	0.1	0.3	0.0	-1.2	0.9	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.6	-0.8	1.2	1.5	-1.6	-1.5	-1.2	-1.2	-1.1	-1.0	-0.9	-0.5
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.3	-0.5	-1.1	-0.6	-0.7	1.3	2.3	1.2	0.4	0.3	-0.8	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.6	-0.1	0.1	1.5	0.4	-0.2	-0.3	-0.2	-0.1	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.7	-0.9	-0.5	-0.5	1.3	0.4	0.0	-0.3	-0.3	-0.1	0.6
USGS 07380335 - Little Lake Near Cutoff	1.0	1.2	-1.0	-0.8	-0.8	1.2	0.0	0.0	-0.3	-0.3	-0.1	0.8
USGS073802516 Barataria Pass at Grand Isle	0.5	0.8	-0.9	1.2	2.0	1.4	0.1	0.1	-0.4	-0.2	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.3	-0.6	1.7	2.3	1.1	0.2	-0.1	-0.1	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.5	1.0	0.6	0.7	1.0	0.5	0.1	0.0	0.1	0.5	-0.2	0.3
CRMS 3985	0.1	0.3	0.0	0.3	0.7	0.6	0.0	0.0	0.0	-0.3	-0.1	0.3
CRMS 0258	0.3	0.7	-0.3	-1.1	-1.0	1.1	0.7	0.7	0.1	-0.1	0.0	0.3
CRMS 0224	0.7	1.3	-0.3	-0.4	-0.4	2.7	1.2	0.9	-0.4	-0.9	-0.2	0.7
CRMS 0163	0.1	0.0	0.0	0.1	0.1	0.2	-0.3	-0.4	0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.1	0.1	0.0	0.0	0.6	0.4	0.6	0.0	0.1	0.0	0.1

Figure WQ DO 72 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.1	8.9	7.8	6.4	6.2	6.1	6.5	7.8	10.1	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.5	9.4	9.4	9.8	8.8	7.8	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.0	10.9	9.1	9.2	9.8	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.8	8.8	7.8	6.8	6.8	6.5	6.7	8.1	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.4	6.5	6.8	6.2	6.8	8.1	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.7	6.4	5.8	6.3	7.9	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	10.4	9.3	8.4	7.2	6.7	6.0	6.3	7.7	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.5	9.3	8.5	7.5	7.3	6.9	7.1	8.7	9.5	9.4
HWQ14 - Lake Washington	10.9	10.0	10.5	9.1	7.9	6.9	6.8	6.3	6.5	8.0	9.6	9.6
HWQ16 - Bayou Grand Liard	8.4	8.8	8.6	8.0	7.1	6.5	6.5	8.3	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.2	9.7	8.9	7.6	6.5	7.0	6.2	6.6	7.7	9.6	9.4
CRMS 0258	10.8	10.0	10.0	9.7	9.5	7.2	6.9	6.6	6.7	8.0	9.8	9.6
CRMS 0224	10.4	9.3	9.8	8.8	7.6	6.2	5.9	5.4	6.2	8.1	9.1	9.0
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.1	10.2	10.1	10.5	8.8	9.6	9.9
CRMS 0162	10.7	10.2	9.7	8.6	7.8	7.8	7.4	7.5	5.8	7.9	9.1	9.5

V3PR8 HYST - cy 1 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.2	9.2	8.8	7.6	7.1	7.0	7.2	7.8	8.2	9.3	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.6	9.5	9.1	9.4	8.4	7.8	7.4	6.5	8.8	10.1	8.4
Barataria Waterway at Lafitte (USACE82875)	10.2	9.5	10.6	10.4	10.2	9.5	8.6	8.5	8.4	9.5	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	9.7	9.3	8.0	8.1	8.4	7.8	7.6	8.4	9.3	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.8	9.3	8.4	7.2	6.6	6.3	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.6	10.0	9.3	8.1	7.3	6.4	5.6	6.0	7.5	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.1	10.6	10.3	9.3	7.9	7.5	6.8	5.8	6.1	7.2	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	10.4	10.2	10.8	9.8	9.7	7.7	7.4	6.7	6.6	8.3	9.4	9.2
HWQ14 - Lake Washington	10.9	10.2	10.5	9.6	8.6	7.3	6.7	6.2	6.4	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.5	9.4	8.9	8.1	7.7	6.5	6.8	8.1	6.4	7.8	8.6	8.2
CRMS 3985	11.0	10.3	9.7	8.9	8.1	6.7	6.1	5.9	6.4	7.6	9.5	9.2
CRMS 0258	10.9	10.6	10.3	10.1	10.9	7.8	7.5	7.1	6.8	7.9	9.7	9.6
CRMS 0224	10.5	10.3	10.5	9.6	10.9	7.1	6.3	5.3	5.5	7.2	8.7	8.7
CRMS 0163	11.2	10.8	10.2	9.4	9.6	11.2	10.3	9.9	10.6	8.7	9.6	10.0
CRMS 0162	10.7	10.2	9.7	8.6	7.8	8.2	7.8	7.8	5.4	7.8	9.1	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.9	-0.9	-0.1	-0.2	0.8	0.7	1.1	1.4	0.3	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	-0.3	-0.3	-0.4	0.0	0.5	0.0	1.3	1.4	-0.3
Barataria Waterway at Lafitte (USACE82875)	-0.6	-1.0	0.6	0.0	-0.8	-1.3	-0.5	-0.8	-1.4	-0.3	-0.5	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.3	-0.2	0.4	0.2	1.3	1.6	1.2	0.8	0.4	-0.6	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.2	0.3	1.0	0.8	-0.2	0.1	-0.2	-0.2	-0.1	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	1.0	-0.3	0.2	0.1	0.6	0.0	-0.2	-0.3	-0.4	-0.1	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	1.2	0.0	0.0	-0.5	0.3	0.1	-0.2	-0.1	-0.4	0.0	0.0
USGS073802516 Barataria Pass at Grand Isle	0.1	0.7	0.3	0.5	1.2	0.2	0.1	-0.2	-0.4	-0.4	-0.1	-0.2
HWQ14 - Lake Washington	0.0	0.2	0.0	0.5	0.7	0.3	-0.1	-0.1	-0.1	-0.3	-0.1	-0.3
HWQ16 - Bayou Grand Liard	0.1	0.6	0.3	0.2	0.6	0.0	0.3	-0.2	0.4	0.8	0.6	0.1
CRMS 3985	0.0	0.1	0.0	-0.1	0.5	0.2	-0.8	-0.3	-0.3	-0.2	-0.1	-0.2
CRMS 0258	0.1	0.7	0.4	0.4	1.4	0.6	0.6	0.5	0.1	-0.1	-0.1	0.0
CRMS 0224	0.1	1.1	0.8	0.8	3.4	0.9	0.4	0.0	-0.7	-0.9	-0.4	-0.3
CRMS 0163	0.1	0.1	0.0	0.2	0.7	0.1	0.2	-0.2	0.1	-0.1	0.0	0.1
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.3	-0.4	-0.1	0.0	0.1

Figure WQ DO 73 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.4	9.2	8.1	7.0	6.8	6.8	6.9	8.2	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.8	9.8	10.2	10.1	10.8	10.4	9.1	8.7	8.3	8.0	9.5	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	10.2	12.0	12.3	10.9	11.7	9.3	10.2	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	10.1	9.2	8.4	7.7	7.6	7.5	7.8	8.7	10.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	8.9	7.4	6.4	6.1	6.0	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.1	7.9	6.7	6.2	5.9	6.4	7.9	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.4	8.3	7.1	6.6	6.4	6.3	7.6	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.5	8.6	7.8	7.7	7.8	6.8	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.0	10.3	9.0	7.9	6.9	6.3	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.8	9.1	9.0	8.4	7.4	6.8	6.1	5.6	6.1	6.8	8.6	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.3	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.4	10.3	10.3	10.2	10.2	10.2	8.1	8.8	9.4	9.2
CRMS 0224	10.4	9.5	10.2	9.3	8.3	7.5	6.6	6.0	7.0	8.5	9.1	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.3	13.3	13.2	9.1	9.0	9.6	10.0
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.1	6.5	7.1	6.8	7.9	8.9	9.5

V3PR8 HYST - cy 1 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.1	7.6	6.9	6.6	7.0	7.5	8.3	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.5	10.2	10.2	10.8	10.1	10.4	8.5	9.0	7.5	7.3	10.2	9.9
Barataria Waterway at Lafitte (USACE82875)	10.4	9.8	11.2	11.2	10.9	10.3	9.3	9.4	9.4	10.1	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.2	9.4	9.2	8.6	7.8	6.8	6.5	7.4	8.3	9.0	9.3	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.3	9.7	8.9	7.9	7.2	6.3	6.9	6.6	7.8	9.5	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.2	9.7	8.8	7.7	6.8	6.1	6.5	6.5	7.7	9.0	9.1
USGS 07380335 - Little Lake Near Cutoff	11.2	10.5	9.9	9.1	8.0	7.0	6.0	6.2	6.1	7.5	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	11.0	10.4	9.9	10.7	9.9	9.6	8.2	8.0	7.2	8.7	9.4	9.1
HWQ14 - Lake Washington	11.0	10.4	9.9	10.4	9.3	8.7	7.0	6.4	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.9	10.1	9.7	9.5	8.0	7.5	6.4	6.0	6.0	6.8	8.9	8.6
CRMS 3985	11.1	10.5	9.8	9.1	7.8	7.1	5.8	5.5	6.2	7.4	9.5	9.5
CRMS 0258	11.6	10.8	10.2	9.6	10.2	14.0	14.9	13.4	8.3	8.8	9.4	9.4
CRMS 0224	11.4	10.7	10.0	9.4	9.9	11.4	12.2	12.2	7.9	8.4	9.0	8.9
CRMS 0163	11.3	10.7	10.2	9.3	8.7	11.0	13.1	12.7	9.5	9.4	9.7	10.0
CRMS 0162	10.7	10.0	9.5	8.6	7.6	7.7	6.9	7.8	6.9	7.9	8.9	9.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.5	-1.7	-2.0	-1.1	-0.5	-0.1	-0.2	0.3	0.6	0.0	-0.7	-0.4
CRMS0276 - Just east of Wilkinson Canal	0.7	0.4	0.1	0.7	-0.7	0.0	-0.6	0.3	-0.8	-0.7	0.7	1.3
Barataria Waterway at Lafitte (USACE82875)	-0.6	-0.7	1.3	1.0	-1.2	-2.0	-1.6	-2.3	0.1	-0.1	-0.5	-0.9
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.1	-0.7	-0.9	-0.6	-0.6	-0.9	-1.1	-0.1	0.5	0.3	-0.8	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.2	-0.3	0.0	0.4	0.8	0.1	0.9	0.0	-0.1	0.0	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.5	-0.6	-0.2	-0.2	0.1	-0.1	0.6	0.1	-0.2	-0.1	0.1
USGS 07380335 - Little Lake Near Cutoff	1.2	1.0	-0.7	-0.3	-0.3	-0.1	-0.6	-0.3	-0.2	-0.2	0.0	0.1
USGS073802516 Barataria Pass at Grand Isle	0.7	0.7	-0.8	1.2	1.3	1.9	0.5	0.2	0.4	-0.1	-0.1	0.0
HWQ14 - Lake Washington	0.1	0.4	-0.4	1.4	1.4	1.8	0.7	0.4	-0.2	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	1.1	1.0	0.7	1.1	0.6	0.7	0.3	0.5	-0.1	0.0	0.3	0.2
CRMS 3985	0.2	0.3	0.1	0.5	0.5	0.8	-0.1	-0.3	-0.1	-0.2	0.0	0.3
CRMS 0258	0.5	0.6	-0.3	-0.7	-0.2	3.8	4.7	3.1	0.2	0.0	0.0	0.1
CRMS 0224	0.9	1.2	-0.2	0.1	1.6	3.9	5.5	6.2	0.9	-0.1	-0.2	0.4
CRMS 0163	0.1	0.0	0.0	0.1	0.3	0.7	-0.2	-0.6	0.4	0.3	0.0	0.0
CRMS 0162	0.1	0.1	0.1	0.0	0.0	0.6	0.4	0.7	0.1	0.0	0.0	0.1

Figure WQ DO 74 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.3	9.2	8.2	7.3	7.1	7.1	7.1	8.3	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.3	9.9	9.8	11.1	9.2	7.3	6.8	7.6	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.8	13.9	11.6	11.2	9.9	11.0	10.4	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	10.1	9.2	8.5	8.0	7.9	7.8	7.9	8.7	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.9	9.0	7.5	6.4	6.2	6.0	6.5	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.8	6.4	6.0	6.4	8.0	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	10.4	9.3	8.4	7.3	6.8	6.6	6.3	7.6	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.5	10.6	9.6	8.8	7.9	7.7	7.7	6.9	8.8	9.6	9.2
HWQ14 - Lake Washington	10.9	10.0	10.4	9.0	7.8	6.9	6.3	6.0	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	8.8	8.3	7.4	7.3	6.3	5.6	6.1	6.9	9.2	8.4
CRMS 3985	11.0	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.2	7.7	9.6	9.2
CRMS 0258	10.9	9.6	10.0	10.5	10.4	10.5	10.6	10.2	7.6	8.6	9.4	9.7
CRMS 0224	10.4	9.2	9.9	9.4	8.8	8.1	7.4	6.8	6.9	8.5	9.0	8.6
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.1	13.5	12.9	10.3	9.6	9.6	10.1
CRMS 0162	10.5	10.0	9.4	8.6	7.4	6.7	6.5	7.4	6.9	8.2	9.0	9.4

V3PR8 HYST - cy 1 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	10.4	8.3	8.0	7.3	7.1	6.6	7.2	7.6	8.3	9.2	8.2
CRMS0276 - Just east of Wilkinson Canal	9.6	9.1	9.9	10.4	9.3	11.3	9.7	9.3	7.1	8.2	9.7	9.3
Barataria Waterway at Lafitte (USACE82875)	10.2	9.4	10.1	10.6	11.0	10.7	9.6	9.6	9.5	10.0	9.7	9.3
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	9.1	8.6	7.5	6.9	6.5	8.8	8.1	8.9	9.2	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.7	8.8	7.2	6.7	7.0	6.7	6.4	7.8	9.4	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	9.8	9.6	8.7	7.3	6.6	6.3	7.2	6.3	7.7	9.0	9.7
USGS 07380335 - Little Lake Near Cutoff	10.1	9.5	9.8	8.8	7.2	7.0	6.4	7.0	6.1	7.4	8.9	9.8
USGS073802516 Barataria Pass at Grand Isle	10.4	9.7	9.7	10.3	8.9	10.9	9.2	9.2	7.2	8.7	9.3	9.5
HWQ14 - Lake Washington	10.9	10.1	9.7	10.2	8.5	9.6	7.5	6.5	6.2	7.5	9.5	9.5
HWQ16 - Bayou Grand Liard	8.5	8.6	9.4	9.1	7.7	8.4	6.7	5.7	6.0	7.2	8.9	9.1
CRMS 3985	11.0	10.2	9.7	8.9	7.3	7.8	6.2	5.7	6.2	7.4	9.5	9.6
CRMS 0258	11.0	9.8	10.0	9.3	8.5	12.2	15.4	10.9	7.8	8.7	9.4	10.1
CRMS 0224	10.6	9.5	9.9	9.0	7.7	9.2	12.9	9.3	7.6	8.3	8.9	9.9
CRMS 0163	11.2	10.8	10.2	9.2	7.9	8.6	13.3	12.6	10.5	10.0	9.6	10.1
CRMS 0162	10.5	10.0	9.5	8.7	7.4	7.0	6.9	8.1	7.0	8.1	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.3	-2.0	-1.2	-0.8	-0.2	-0.5	0.1	0.6	0.0	-0.8	-1.8
CRMS0276 - Just east of Wilkinson Canal	0.1	-0.1	0.7	0.5	-0.5	0.2	0.5	2.0	0.3	0.6	-0.2	0.6
Barataria Waterway at Lafitte (USACE82875)	-0.6	-1.0	0.3	1.3	2.2	-3.2	-2.0	-1.6	-0.4	-1.0	-0.7	-0.5
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.2	-0.9	-0.6	-1.0	-1.1	-1.4	1.0	0.1	0.2	-0.8	-0.7
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.3	-0.2	-0.2	0.3	0.8	0.7	-0.1	-0.3	-0.2	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.2	-0.7	-0.4	-0.8	-0.2	0.0	1.2	-0.1	-0.3	-0.1	0.7
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.6	-0.5	-1.2	-0.3	-0.4	0.4	-0.2	-0.2	-0.1	1.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.9	0.7	0.1	3.0	1.5	1.4	0.4	-0.1	-0.2	0.3
HWQ14 - Lake Washington	0.1	0.1	-0.7	1.1	0.6	2.8	1.2	0.5	-0.2	-0.4	-0.2	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	0.5	0.8	0.3	1.1	0.5	0.1	-0.1	0.3	-0.2	0.8
CRMS 3985	0.0	0.0	0.1	0.1	-0.1	1.5	0.4	-0.1	0.0	-0.3	-0.1	0.4
CRMS 0258	0.1	0.2	0.0	-1.2	-1.9	1.6	4.8	0.7	0.2	0.1	-0.1	0.4
CRMS 0224	0.1	0.3	-0.1	-0.3	-1.1	1.1	5.5	2.5	0.7	-0.2	-0.1	1.3
CRMS 0163	0.2	0.1	0.0	0.1	0.0	0.5	-0.3	-0.3	0.3	0.4	0.0	0.0
CRMS 0162	0.0	0.0	0.1	0.0	0.0	0.3	0.4	0.7	0.0	-0.1	0.0	0.1

Figure WQ DO 75 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.1	8.1	7.2	6.8	6.3	6.6	8.0	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.6	10.4	11.1	10.5	8.8	7.8	7.6	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	9.1	13.6	12.5	11.0	10.0	9.9	9.9	9.9	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.5	7.2	7.4	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.2	8.9	7.5	6.5	6.2	6.1	6.7	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.9	6.3	5.9	6.4	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.5	8.5	7.3	6.8	6.3	6.3	7.7	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.7	10.6	9.7	8.7	7.7	7.7	7.5	7.0	8.8	9.4	9.2
HWQ14 - Lake Washington	10.9	10.1	10.2	8.9	7.9	7.0	6.4	6.1	6.5	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.0	8.9	8.6	7.9	7.0	6.0	6.5	6.0	6.8	7.9	8.1
CRMS 3985	11.0	10.2	9.9	8.7	7.5	6.5	6.1	5.9	6.4	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.3	10.3	10.4	10.3	9.3	7.6	7.4	8.6	9.5	9.4
CRMS 0224	10.4	9.5	10.1	9.4	8.6	7.7	6.8	5.7	6.5	8.3	9.2	8.7
CRMS 0163	11.2	10.7	10.1	9.1	8.2	11.3	12.8	11.4	10.2	8.7	9.6	10.0
CRMS 0162	10.6	10.0	9.3	8.6	7.5	7.5	6.9	8.0	6.7	7.8	9.0	9.5

V3PR9 HYST - cy 1 - 1975 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.1	8.1	7.1	6.7	6.3	6.7	8.0	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.6	9.5	9.6	9.9	10.9	9.9	8.6	7.5	6.4	7.4	10.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.3	9.7	10.7	11.1	11.4	10.5	9.2	9.2	8.6	9.8	9.9	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.0	8.2	7.6	7.4	7.1	7.2	8.3	10.0	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.2	8.9	7.5	6.5	6.2	6.0	6.7	8.1	9.6	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.2	9.1	8.1	6.8	6.2	5.7	6.3	7.9	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.5	9.4	8.5	7.2	6.7	6.1	6.2	7.5	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.5	9.6	8.7	7.8	7.7	7.3	6.8	8.8	9.5	9.2
HWQ14 - Lake Washington	10.9	10.1	10.3	8.9	7.9	6.9	6.3	6.1	6.4	8.0	9.6	9.4
HWQ16 - Bayou Grand Liard	8.6	9.0	8.8	8.5	7.8	6.8	6.0	6.9	6.1	6.9	8.4	8.3
CRMS 3985	11.0	10.2	10.1	8.7	7.4	6.4	6.0	5.8	6.3	7.8	9.5	9.2
CRMS 0258	11.1	10.1	10.3	10.2	10.2	10.2	9.3	7.5	7.4	8.4	9.5	9.3
CRMS 0224	10.4	9.4	10.1	9.2	8.5	7.6	6.7	5.9	6.5	8.2	9.0	8.5
CRMS 0163	11.3	10.7	10.1	9.1	8.3	11.6	12.2	10.9	10.4	9.0	9.6	10.0
CRMS 0162	10.6	10.0	9.4	8.6	7.6	7.7	7.0	8.1	6.7	7.8	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.0	-0.5	-0.2	-0.5	-0.2	-0.3	-1.2	-0.5	1.4	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.7	-0.8	0.8	2.1	-2.2	-2.1	-1.8	-0.8	-1.3	-0.1	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	0.0	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	-0.2	-0.2	0.0	-0.1	-0.1	-0.2	-0.1	-0.1	0.0	-0.2
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.2	-0.2	0.0	0.1	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.1	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.1	-0.2	-0.1	-0.2	0.0	0.4	0.0	0.1	0.5	0.3
CRMS 3985	0.0	0.0	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.0	0.0
CRMS 0258	0.0	0.0	-0.1	-0.1	-0.2	-0.1	0.0	-0.1	-0.1	-0.2	-0.1	-0.1
CRMS 0224	0.0	0.0	0.0	-0.2	-0.2	-0.2	0.0	0.2	0.0	0.0	-0.1	-0.1
CRMS 0163	0.1	0.0	0.0	0.0	0.1	0.4	-0.6	-0.5	0.2	0.3	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.0	-0.1	0.0

Figure WQ DO 76 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.1	10.3	9.2	8.1	7.2	6.6	6.4	6.7	8.0	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.7	10.1	11.1	10.2	8.5	8.0	7.5	7.5	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	11.0	10.5	9.8	9.8	13.2	12.0	10.6	10.5	9.9	10.7	10.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.4	7.8	7.4	7.2	7.3	8.4	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.1	8.9	7.5	6.5	6.1	6.3	6.7	7.9	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.2	8.1	6.8	6.3	5.9	6.3	7.9	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	10.6	9.6	8.5	7.3	6.8	6.3	6.2	7.5	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.6	8.7	7.7	7.7	7.3	6.9	8.7	9.5	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.6	9.0	9.1	8.7	8.0	6.8	5.9	5.8	6.0	7.4	8.9	8.2
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.4	5.9	5.9	6.3	7.7	9.6	9.3
CRMS 0258	11.1	10.1	10.3	10.3	10.4	9.7	8.4	7.4	7.3	8.4	9.3	9.5
CRMS 0224	10.4	9.4	10.2	9.4	8.7	7.8	6.5	5.9	6.5	8.2	9.0	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.1	11.7	12.7	11.9	10.5	10.4	9.6	10.0
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.8	7.0	7.9	6.7	7.9	9.1	9.5

V3PR9 HYST - cy 1 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.1	10.3	9.1	8.1	7.1	6.5	6.4	6.8	8.0	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.5	9.8	10.3	10.8	9.8	8.4	7.7	6.4	8.4	9.7	8.4
Barataria Waterway at Lafitte (USACE82875)	10.3	9.6	10.8	11.3	11.8	10.4	9.2	9.1	8.6	9.7	9.3	9.3
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.0	9.1	8.2	7.7	7.3	7.1	7.3	8.3	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	8.9	7.5	6.5	6.1	6.4	6.8	8.1	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.0	8.0	6.8	6.2	5.8	6.3	7.8	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	10.5	9.3	8.4	7.2	6.7	6.1	6.2	7.5	9.1	8.5
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.5	8.7	7.7	7.7	7.3	6.9	8.6	9.4	9.1
HWQ14 - Lake Washington	10.9	10.0	10.4	9.0	7.9	6.9	6.3	6.1	6.5	8.0	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	8.9	8.5	7.8	6.7	5.9	5.9	6.2	8.1	8.9	8.2
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	5.9	6.3	7.7	9.5	9.2
CRMS 0258	11.1	10.1	10.2	10.1	10.2	9.5	8.3	7.3	7.3	8.3	9.3	9.5
CRMS 0224	10.4	9.4	10.1	9.2	8.6	7.6	6.5	6.0	6.5	8.1	8.9	8.4
CRMS 0163	11.3	10.7	10.1	9.2	8.2	11.8	12.0	11.2	10.7	10.4	9.6	10.0
CRMS 0162	10.7	9.9	9.2	8.6	7.5	7.8	7.1	7.9	6.8	8.0	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.2	0.2	-0.3	-0.4	-0.2	-0.2	-1.1	0.9	0.0	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.7	-0.8	1.0	1.5	-1.4	-1.6	-1.3	-1.4	-1.3	-1.1	-0.9	-0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.2	0.2	-0.1	-0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.1	-0.2
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.1	0.0	-0.2
HWQ16 - Bayou Grand Liard	0.0	-0.1	-0.1	-0.2	-0.2	-0.1	0.0	0.2	0.1	0.7	0.0	-0.1
CRMS 3985	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	-0.1
CRMS 0258	0.0	0.0	-0.1	-0.2	-0.2	-0.1	-0.1	0.0	0.0	-0.1	0.0	-0.1
CRMS 0224	0.0	0.0	-0.1	-0.2	-0.2	-0.2	0.1	0.2	0.0	-0.1	0.0	-0.1
CRMS 0163	0.1	0.0	0.0	0.1	0.0	0.1	-0.7	-0.7	0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.1	-0.1	0.0

Figure WQ DO 77 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.1	8.9	7.8	6.4	6.2	6.1	6.5	7.8	10.1	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.5	9.4	9.4	9.8	8.8	7.8	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.5	10.0	10.4	11.0	10.9	9.1	9.2	9.8	9.8	9.8	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.8	8.8	7.8	6.8	6.8	6.5	6.7	8.1	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.4	6.5	6.8	6.2	6.8	8.1	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.7	6.4	5.8	6.3	7.9	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	10.4	9.3	8.4	7.2	6.7	6.0	6.3	7.7	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.5	9.3	8.5	7.5	7.3	6.9	7.1	8.7	9.5	9.4
HWQ14 - Lake Washington	10.9	10.0	10.5	9.1	7.9	6.9	6.8	6.3	6.5	8.0	9.6	9.6
HWQ16 - Bayou Grand Liard	8.4	8.8	8.6	8.0	7.1	6.5	6.5	8.3	6.0	6.9	8.0	8.1
CRMS 3985	11.0	10.2	9.7	8.9	7.6	6.5	7.0	6.2	6.6	7.7	9.6	9.4
CRMS 0258	10.8	10.0	10.0	9.7	9.5	7.2	6.9	6.6	6.7	8.0	9.8	9.6
CRMS 0224	10.4	9.3	9.8	8.8	7.6	6.2	5.9	5.4	6.2	8.1	9.1	9.0
CRMS 0163	11.0	10.7	10.2	9.2	8.9	11.1	10.2	10.1	10.5	8.8	9.6	9.9
CRMS 0162	10.7	10.2	9.7	8.6	7.8	7.8	7.4	7.5	5.8	7.9	9.1	9.5

V3PR9 HYST - cy 1 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.2	8.9	7.8	6.4	6.3	6.2	6.5	7.9	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.3	9.2	8.8	9.1	8.1	7.7	7.6	6.5	8.6	9.8	8.4
Barataria Waterway at Lafitte (USACE82875)	10.1	9.5	10.5	10.4	10.2	9.4	8.6	8.6	8.4	9.6	9.6	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.9	8.8	7.7	6.8	6.8	6.6	6.7	8.0	9.8	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.9	9.2	7.8	6.6	6.8	6.3	6.7	8.1	9.6	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.2	9.0	7.9	6.6	6.2	5.7	6.2	7.7	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	10.2	9.2	8.3	7.1	6.5	5.9	6.3	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.5	10.4	9.3	8.5	7.5	7.4	6.9	6.9	8.5	9.3	9.2
HWQ14 - Lake Washington	10.9	10.0	10.2	9.3	8.1	7.0	6.8	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.8	8.5	7.9	7.1	6.5	6.4	8.5	6.4	7.9	8.4	8.0
CRMS 3985	11.0	10.2	9.7	8.9	7.7	6.5	6.5	6.1	6.6	7.8	9.5	9.3
CRMS 0258	10.8	10.0	9.8	9.7	9.4	7.2	6.9	6.7	6.8	7.7	9.5	9.5
CRMS 0224	10.4	9.2	9.9	8.7	7.4	6.2	6.0	5.6	6.2	7.8	8.8	8.7
CRMS 0163	11.1	10.8	10.2	9.4	9.6	11.0	9.8	9.6	10.5	8.9	9.6	9.9
CRMS 0162	10.6	10.1	9.6	8.6	7.8	7.8	7.5	7.8	5.9	8.0	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.3	-0.2	-0.6	-0.7	-0.8	0.0	0.6	0.0	1.1	1.1	-0.3
Barataria Waterway at Lafitte (USACE82875)	-0.7	-1.0	0.5	0.0	-0.8	-1.5	-0.6	-0.6	-1.5	-0.3	-0.3	0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.2	0.2	0.3	0.1	0.0	0.0	0.0	0.0	0.0	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.2
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	-0.2	-0.1	-0.1	-0.1	-0.2	-0.1	0.0	-0.3	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	-0.2	-0.2	-0.1	-0.3
HWQ14 - Lake Washington	0.0	0.0	-0.3	0.2	0.2	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.3
HWQ16 - Bayou Grand Liard	0.0	-0.1	-0.1	-0.1	0.0	0.0	-0.1	0.1	0.4	0.9	0.3	-0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.1	0.0	-0.5	-0.1	0.0	0.0	-0.1	-0.1
CRMS 0258	0.0	0.0	-0.2	-0.1	-0.1	0.0	0.0	0.1	0.0	-0.2	-0.2	-0.1
CRMS 0224	0.0	0.0	0.1	-0.1	-0.1	0.0	0.2	0.2	0.0	-0.2	-0.3	-0.3
CRMS 0163	0.1	0.0	0.0	0.3	0.7	-0.1	-0.4	-0.5	0.0	0.1	0.0	0.0
CRMS 0162	-0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.1	0.1	0.0	0.0

Figure WQ DO 78 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.4	9.2	8.1	7.0	6.8	6.8	6.9	8.2	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.8	9.8	10.2	10.1	10.8	10.4	9.1	8.7	8.3	8.0	9.5	8.6
Barataria Waterway at Lafitte (USACE82875)	11.1	10.5	9.9	10.2	12.0	12.3	10.9	11.7	9.3	10.2	10.6	10.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	10.1	9.2	8.4	7.7	7.6	7.5	7.8	8.7	10.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.0	8.9	7.4	6.4	6.1	6.0	6.6	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.3	9.1	7.9	6.7	6.2	5.9	6.4	7.9	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	10.0	9.5	10.6	9.4	8.3	7.1	6.6	6.4	6.3	7.6	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.6	9.5	8.6	7.8	7.7	7.8	6.8	8.8	9.5	9.1
HWQ14 - Lake Washington	10.9	10.0	10.3	9.0	7.9	6.9	6.3	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.8	9.1	9.0	8.4	7.4	6.8	6.1	5.6	6.1	6.8	8.6	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.3	7.6	9.5	9.2
CRMS 0258	11.1	10.2	10.4	10.3	10.3	10.2	10.2	10.2	8.1	8.8	9.4	9.2
CRMS 0224	10.4	9.5	10.2	9.3	8.3	7.5	6.6	6.0	7.0	8.5	9.1	8.5
CRMS 0163	11.2	10.7	10.1	9.1	8.4	10.3	13.3	13.2	9.1	9.0	9.6	10.0
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.1	6.5	7.1	6.8	7.9	8.9	9.5

V3PR9 HYST - cy 1 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.4	10.2	10.3	9.1	8.1	6.9	7.0	7.1	7.0	8.3	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.6	9.6	10.3	10.1	10.4	9.8	8.6	8.3	7.2	7.3	10.0	9.9
Barataria Waterway at Lafitte (USACE82875)	10.4	9.8	11.2	11.3	11.0	10.4	9.3	9.4	9.0	9.9	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	10.1	9.1	8.3	7.6	7.6	7.6	7.8	8.7	10.0	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	10.2	8.9	7.4	6.4	6.7	6.4	6.7	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.7	10.2	9.1	7.9	6.6	6.3	5.9	6.4	7.9	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	10.4	9.3	8.3	6.9	6.3	6.4	6.2	7.6	8.9	8.5
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	10.4	9.5	8.6	7.7	7.4	7.8	7.0	8.9	9.5	9.2
HWQ14 - Lake Washington	10.8	10.1	10.4	9.0	7.9	6.8	6.6	6.2	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.7	9.0	8.8	8.2	7.2	6.7	6.2	5.7	6.2	6.9	8.9	8.7
CRMS 3985	11.0	10.2	9.8	8.6	7.4	6.3	6.1	6.0	6.3	7.6	9.6	9.6
CRMS 0258	11.1	10.2	10.4	10.2	10.1	10.0	10.2	10.5	8.1	8.7	9.4	9.2
CRMS 0224	10.4	9.5	10.0	9.1	8.2	7.2	6.8	6.4	6.9	8.5	9.1	8.5
CRMS 0163	11.3	10.7	10.1	9.3	8.6	10.9	13.1	12.6	9.8	9.5	9.6	10.0
CRMS 0162	10.6	9.9	9.4	8.6	7.6	7.2	6.6	7.3	6.9	8.1	8.9	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	-0.1	-0.1	0.2	0.4	0.2	0.0	0.0	-0.3
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.2	0.2	0.0	-0.4	-0.5	-0.5	-0.4	-1.1	-0.7	0.5	1.3
Barataria Waterway at Lafitte (USACE82875)	-0.6	-0.7	1.3	1.1	-1.0	-1.8	-1.6	-2.4	-0.4	-0.3	-0.6	-0.9
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.1	0.0	-0.1	0.0	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.4	0.1	0.1	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	-0.1	0.0	-0.2	0.0	0.0	-0.2	-0.3	0.0	0.0	0.0	0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.2	0.0	0.0	-0.1	-0.3	0.0	0.2	0.1	0.0	0.1
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	0.1	0.0	0.2
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.2	-0.2	-0.2	-0.1	0.1	0.1	0.1	0.0	0.3	0.3
CRMS 3985	0.0	0.0	0.1	0.0	0.0	0.0	0.3	0.2	0.0	0.0	0.1	0.4
CRMS 0258	0.0	0.0	-0.1	-0.1	-0.2	-0.2	0.0	0.3	0.0	-0.1	0.0	0.0
CRMS 0224	0.0	0.0	-0.2	-0.2	-0.1	-0.2	0.2	0.4	-0.1	0.0	-0.1	-0.1
CRMS 0163	0.1	0.0	0.0	0.1	0.2	0.6	-0.3	-0.6	0.7	0.5	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.1	0.2	-0.1	0.0

Figure WQ DO 79 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.3	9.2	8.2	7.3	7.1	7.1	7.1	8.3	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.3	9.9	9.8	11.1	9.2	7.3	6.8	7.6	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.9	9.3	8.8	13.9	11.6	11.2	9.9	11.0	10.4	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.0	10.1	9.2	8.5	8.0	7.9	7.8	7.9	8.7	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.9	9.0	7.5	6.4	6.2	6.0	6.5	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.3	9.1	8.0	6.8	6.4	6.0	6.4	8.0	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	10.4	9.3	8.4	7.3	6.8	6.6	6.3	7.6	9.0	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	9.5	10.6	9.6	8.8	7.9	7.7	7.7	6.9	8.8	9.6	9.2
HWQ14 - Lake Washington	10.9	10.0	10.4	9.0	7.8	6.9	6.3	6.0	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	8.8	8.3	7.4	7.3	6.3	5.6	6.1	6.9	9.2	8.4
CRMS 3985	11.0	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.2	7.7	9.6	9.2
CRMS 0258	10.9	9.6	10.0	10.5	10.4	10.5	10.6	10.2	7.6	8.6	9.4	9.7
CRMS 0224	10.4	9.2	9.9	9.4	8.8	8.1	7.4	6.8	6.9	8.5	9.0	8.6
CRMS 0163	11.0	10.7	10.1	9.1	7.9	8.1	13.5	12.9	10.3	9.6	9.6	10.1
CRMS 0162	10.5	10.0	9.4	8.6	7.4	6.7	6.5	7.4	6.9	8.2	9.0	9.4

V3PR9 HYST - cy 1 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.3	9.1	8.1	7.2	7.1	7.1	7.1	8.3	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.3	9.8	9.6	10.1	10.8	9.4	8.3	7.0	8.3	9.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.2	9.4	9.8	10.5	11.0	10.9	9.7	9.4	9.2	9.9	9.7	9.3
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	10.1	9.2	8.4	7.9	7.8	7.8	7.9	8.8	10.1	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.9	9.0	7.4	6.4	6.1	6.0	6.6	8.0	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	9.6	10.1	9.1	7.9	6.7	6.2	5.8	6.4	7.9	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.9	9.3	10.1	9.1	8.3	7.1	6.7	6.5	6.2	7.6	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	10.3	9.5	10.4	9.6	8.8	7.8	7.7	7.7	6.9	8.8	9.4	9.0
HWQ14 - Lake Washington	10.9	10.0	10.2	9.1	7.8	6.8	6.2	5.9	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	8.6	9.0	8.1	7.2	7.2	6.2	5.6	6.1	7.3	9.1	8.3
CRMS 3985	11.0	10.2	9.7	8.8	7.4	6.3	5.8	5.8	6.3	7.7	9.5	9.2
CRMS 0258	10.9	9.6	10.0	10.3	10.1	10.4	10.6	10.3	8.0	8.8	9.4	9.7
CRMS 0224	10.5	9.2	9.8	9.3	8.6	8.0	7.5	6.9	7.2	8.6	9.1	8.5
CRMS 0163	11.1	10.7	10.1	9.2	7.9	8.2	13.3	12.2	10.7	10.1	9.6	10.0
CRMS 0162	10.4	9.9	9.4	8.6	7.4	6.8	6.5	7.6	7.0	8.2	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.6	-0.3	0.3	-0.3	0.2	1.0	0.2	0.7	-0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	-0.6	-1.0	0.0	1.2	2.2	-3.0	-1.9	-1.8	-0.7	-1.1	-0.8	-0.5
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.1	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	0.0	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	-0.3	-0.2	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.2	-0.2
HWQ14 - Lake Washington	0.0	0.0	-0.2	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.2
HWQ16 - Bayou Grand Liard	0.0	0.0	0.2	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.4	0.0	-0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0
CRMS 0258	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.1	0.4	0.2	0.0	0.0
CRMS 0224	0.0	0.0	-0.1	-0.1	-0.2	-0.1	0.0	0.1	0.3	0.1	0.1	0.0
CRMS 0163	0.1	0.1	0.0	0.1	0.0	0.1	-0.3	-0.7	0.4	0.5	0.0	0.0
CRMS 0162	-0.1	-0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0	-0.1	0.0

Figure WQ DO 80 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.1	6.5	6.2	6.6	8.1	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.4	10.2	10.3	9.5	8.4	6.9	7.1	7.6	8.8	9.0
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.3	11.1	10.2	9.8	8.0	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.4	8.5	7.7	7.3	7.1	7.1	8.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.5	6.1	6.3	6.7	8.1	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	10.4	9.2	8.2	7.1	6.6	6.2	6.6	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.4	8.5	7.4	6.8	5.9	6.3	7.5	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.7	9.8	8.8	7.8	7.8	6.9	7.0	8.7	9.4	9.2
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.9	6.3	6.0	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	8.9	8.9	8.6	7.6	6.6	6.3	8.5	6.0	7.4	8.1	8.3
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	6.1	6.4	7.8	9.6	9.3
CRMS 0258	10.9	10.0	10.4	10.6	10.3	9.8	7.7	7.0	7.0	8.4	9.7	9.5
CRMS 0224	10.3	9.5	10.5	9.8	8.9	7.6	6.9	6.3	6.7	8.4	9.2	9.1
CRMS 0163	11.0	10.6	9.9	9.0	8.3	10.9	13.8	12.6	7.6	9.1	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	8.1	7.3	8.3	5.9	8.3	9.0	9.2

V3PR2 HYST - cy 2 - 1985 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	9.4	8.6	8.3	7.6	7.0	6.5	6.5	7.1	8.0	8.5	8.5
CRMS0276 - Just east of Wilkinson Canal	10.1	9.6	9.6	9.7	10.3	9.2	8.4	7.2	7.2	7.5	8.8	9.1
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.2	11.0	10.2	9.9	7.8	9.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.0	10.4	9.6	8.9	8.0	8.1	8.7	7.8	7.2	8.5	9.4	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.4	9.9	8.0	6.8	6.3	6.6	8.0	9.5	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.4	9.9	9.8	9.9	8.4	7.1	6.5	6.6	8.0	9.5	9.9
USGS 07380335 - Little Lake Near Cutoff	10.8	10.1	9.9	10.5	9.6	7.3	6.5	5.9	6.2	7.4	9.2	9.7
USGS073802516 Barataria Pass at Grand Isle	10.8	10.0	10.1	10.5	9.5	8.1	7.9	7.1	6.7	8.6	9.5	9.5
HWQ14 - Lake Washington	10.9	10.1	10.0	10.0	8.6	7.2	6.4	6.0	6.3	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.2	9.2	9.4	9.1	7.9	6.8	6.0	8.1	6.0	7.1	8.2	8.7
CRMS 3985	11.1	10.3	9.8	9.6	8.3	6.7	6.0	5.9	6.4	7.5	9.5	9.5
CRMS 0258	11.4	10.4	10.2	11.3	12.2	10.6	8.9	7.8	7.2	8.7	10.0	10.0
CRMS 0224	11.2	10.1	10.0	11.2	11.4	8.9	8.2	6.6	6.5	7.9	9.6	9.6
CRMS 0163	11.0	10.7	9.9	9.0	8.3	10.9	13.9	13.1	7.6	9.1	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	8.0	7.1	8.6	6.0	8.0	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-0.7	-1.8	-1.0	-0.6	-0.1	0.0	0.3	0.4	-0.1	-1.6	-1.5
CRMS0276 - Just east of Wilkinson Canal	0.5	0.1	0.1	-0.5	-0.1	-0.2	0.0	0.4	0.2	-0.1	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	-0.2	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.2	0.5	-0.5	-0.4	-0.4	0.3	1.4	0.7	0.0	0.1	-0.6	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.3	0.5	2.4	1.5	0.7	0.0	-0.1	-0.1	-0.1	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	0.7	-0.5	0.7	1.7	1.4	0.5	0.3	0.0	0.0	0.4	0.7
USGS 07380335 - Little Lake Near Cutoff	1.0	0.6	-0.7	1.2	1.1	-0.1	-0.3	0.0	-0.2	-0.2	0.4	0.9
USGS073802516 Barataria Pass at Grand Isle	0.6	0.4	-0.6	0.8	0.7	0.3	0.0	0.2	-0.2	-0.1	0.1	0.3
HWQ14 - Lake Washington	0.1	0.1	-0.4	1.0	0.6	0.3	0.1	0.0	-0.1	-0.3	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.5	0.3	0.5	0.5	0.3	0.2	-0.3	-0.4	0.0	-0.3	0.2	0.5
CRMS 3985	0.1	0.1	0.1	1.0	0.9	0.3	0.0	-0.2	0.0	-0.3	-0.1	0.3
CRMS 0258	0.6	0.5	-0.2	0.7	1.9	0.9	1.1	0.8	0.3	0.2	0.3	0.5
CRMS 0224	0.9	0.7	-0.5	1.4	2.6	1.3	1.3	0.3	-0.2	-0.5	0.5	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.5	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	0.2	0.1	-0.3	0.0	0.0

Figure WQ DO 81 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.3	6.6	6.3	6.7	8.1	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.5	10.1	10.5	9.9	8.3	7.4	7.0	7.8	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.5	11.6	10.4	10.2	9.0	10.2	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.2	9.4	8.6	8.0	7.5	7.2	7.3	8.4	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.6	6.1	6.4	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.6	10.4	9.2	8.3	7.2	6.7	6.3	6.7	8.0	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	9.7	9.4	10.6	9.4	8.5	7.5	6.9	6.2	6.4	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.5	10.7	9.7	8.9	7.9	7.8	7.2	7.1	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	9.0	8.6	7.8	6.7	6.2	7.4	6.0	7.7	9.0	8.3
CRMS 3985	11.0	10.2	9.8	8.6	7.4	6.5	6.1	6.1	6.4	7.8	9.5	9.2
CRMS 0258	10.9	9.9	10.4	10.5	10.5	9.8	8.1	7.1	7.1	8.3	9.2	9.2
CRMS 0224	10.3	9.4	10.4	9.8	9.1	8.0	6.9	6.5	6.7	8.3	8.8	8.5
CRMS 0163	11.1	10.6	9.9	9.0	8.0	12.2	14.6	13.4	8.6	9.7	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.8	7.3	8.3	6.8	9.0	8.8	9.5

V3PR2 HYST - cy 2 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	8.9	8.6	8.3	7.7	6.9	6.6	6.6	7.1	8.1	9.1	8.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.7	9.6	10.1	9.8	8.4	7.6	7.1	7.5	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.3	11.6	10.4	10.0	9.0	10.4	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.4	9.6	8.9	7.8	8.7	8.6	7.9	7.2	8.6	9.2	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.9	9.3	9.7	8.0	6.7	6.3	6.6	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.7	10.0	9.8	9.6	8.5	7.0	6.6	6.6	8.0	9.1	9.5
USGS 07380335 - Little Lake Near Cutoff	10.3	10.4	10.0	10.4	10.0	7.8	6.7	6.2	6.2	7.4	8.8	9.1
USGS073802516 Barataria Pass at Grand Isle	10.5	10.2	10.3	10.4	9.7	8.4	7.7	7.3	6.7	8.6	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	10.1	9.9	8.7	7.4	6.4	6.0	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	8.7	9.4	9.5	9.2	8.1	6.8	5.9	6.8	6.0	7.3	8.7	8.3
CRMS 3985	11.0	10.4	9.9	9.6	8.6	6.8	5.9	5.9	6.3	7.5	9.5	9.3
CRMS 0258	11.2	10.5	10.2	11.4	12.7	10.5	8.9	7.9	7.4	8.6	9.2	9.5
CRMS 0224	10.8	10.3	10.0	11.2	12.2	9.4	7.8	6.8	6.5	8.0	8.8	9.0
CRMS 0163	11.1	10.6	9.9	9.0	7.9	12.2	14.7	13.7	8.5	9.5	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.8	7.2	7.9	6.0	8.5	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-1.1	-1.8	-1.0	-0.6	-0.4	0.0	0.2	0.4	0.0	-0.8	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.1	-0.5	-0.4	-0.1	0.1	0.2	0.1	-0.4	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.2	0.0	0.0	-0.2	0.0	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.5	-0.5	-0.4	-0.8	0.7	1.1	0.7	0.0	0.2	-0.7	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.3	0.5	2.2	1.4	0.5	-0.1	-0.2	-0.1	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.1	-0.4	0.6	1.4	1.4	0.3	0.3	0.0	0.0	0.0	0.6
USGS 07380335 - Little Lake Near Cutoff	0.6	1.0	-0.6	1.0	1.4	0.3	-0.3	0.0	-0.2	-0.2	-0.3	0.6
USGS073802516 Barataria Pass at Grand Isle	0.4	0.6	-0.4	0.6	0.8	0.5	-0.1	0.1	-0.4	-0.1	0.1	0.2
HWQ14 - Lake Washington	0.1	0.2	-0.2	0.9	0.7	0.4	0.0	-0.1	-0.1	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.2	0.4	0.6	0.5	0.2	0.0	-0.3	-0.6	-0.1	-0.4	-0.3	0.0
CRMS 3985	0.1	0.2	0.1	0.9	1.1	0.4	-0.2	-0.2	0.0	-0.4	0.0	0.1
CRMS 0258	0.3	0.6	-0.2	0.9	2.2	0.7	0.8	0.8	0.4	0.3	0.0	0.3
CRMS 0224	0.5	0.9	-0.4	1.5	3.1	1.3	0.9	0.4	-0.2	-0.4	0.0	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	-0.1	-0.2	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.4	-0.9	-0.6	0.0	0.0

Figure WQ DO 82 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.0	7.9	6.6	6.3	6.3	6.6	8.0	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.4	9.5	9.2	9.4	9.6	8.6	7.7	7.1	6.5	7.6	8.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.6	10.0	10.5	9.6	9.8	8.6	9.2	9.7	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.0	9.0	8.1	7.4	7.2	7.0	7.1	8.2	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.8	6.6	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.0	6.7	6.2	6.6	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	10.3	9.2	8.5	7.4	6.7	6.0	6.4	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.5	9.5	8.7	7.6	7.4	6.7	7.0	8.5	9.4	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.1	7.9	6.9	6.7	6.3	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.8	8.6	8.0	7.1	6.6	7.1	8.4	6.8	8.0	8.4	8.0
CRMS 3985	11.0	10.2	9.7	9.0	7.6	6.5	6.8	6.4	6.7	7.8	9.6	9.3
CRMS 0258	10.7	9.8	10.1	9.8	9.5	7.6	7.2	6.9	6.7	7.8	9.5	9.4
CRMS 0224	10.3	9.2	10.0	9.2	8.2	7.1	6.6	6.1	6.4	7.9	8.9	8.8
CRMS 0163	10.9	10.7	10.2	9.1	8.2	10.9	12.1	12.0	8.9	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.5	7.8	8.5	8.1	9.0	8.0	7.3	9.0	9.5

V3PR2 HYST - cy 2 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.5	9.3	8.8	7.7	6.9	6.6	6.6	7.2	8.1	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.6	9.4	9.4	9.5	8.6	7.9	6.8	6.4	7.4	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.5	9.9	10.4	9.9	10.0	8.7	9.0	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.7	9.8	9.5	8.5	7.8	8.2	7.6	7.2	8.5	9.3	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.4	8.6	7.1	6.5	6.3	6.6	8.0	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.4	10.3	9.3	8.8	7.3	6.7	6.3	6.6	8.0	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.9	10.1	10.6	9.1	8.3	7.2	6.7	5.9	6.2	7.4	8.8	8.9
USGS073802516 Barataria Pass at Grand Isle	10.2	10.0	10.9	9.8	9.1	7.7	7.5	6.7	6.8	8.5	9.5	9.4
HWQ14 - Lake Washington	10.8	10.1	10.7	9.7	8.2	7.1	6.5	6.1	6.3	7.7	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	9.0	8.8	8.1	7.4	6.5	7.0	8.5	6.4	7.4	8.0	8.1
CRMS 3985	11.0	10.3	9.7	8.8	7.8	6.6	6.0	5.8	6.3	7.6	9.5	9.2
CRMS 0258	10.8	10.2	10.7	9.9	10.3	7.7	7.4	7.2	7.0	8.2	9.6	9.5
CRMS 0224	10.4	10.0	10.8	9.5	9.7	7.4	6.8	6.2	6.1	7.8	9.1	9.2
CRMS 0163	10.9	10.7	10.2	9.1	8.2	10.9	12.4	12.3	9.9	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.6	7.8	8.6	8.2	9.0	8.4	7.2	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.5	-0.9	-0.1	-0.2	0.3	0.2	0.3	0.6	0.1	-0.9	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.2	0.0	-0.1	0.1	0.1	-0.3	0.0	-0.1	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.3	0.1	0.1	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.8	-0.2	0.5	0.3	0.5	0.9	0.6	0.1	0.3	-0.6	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.1	0.4	1.2	0.5	-0.2	-0.2	-0.1	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.9	0.0	0.2	0.6	0.2	0.1	0.1	0.0	0.1	0.1	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	0.8	0.3	0.0	-0.2	-0.2	0.0	-0.1	-0.2	0.0	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.4	0.3	0.4	0.1	0.1	0.0	-0.3	0.0	0.2	0.1
HWQ14 - Lake Washington	0.0	0.2	0.2	0.5	0.3	0.1	-0.2	-0.2	-0.1	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.3	0.2	0.1	0.3	0.0	0.0	0.1	-0.4	-0.6	-0.3	0.1
CRMS 3985	0.0	0.1	0.0	-0.2	0.2	0.1	-0.7	-0.5	-0.4	-0.2	-0.1	-0.1
CRMS 0258	0.1	0.4	0.6	0.1	0.8	0.1	0.3	0.3	0.4	0.3	0.2	0.1
CRMS 0224	0.1	0.7	0.8	0.3	1.5	0.3	0.2	0.2	-0.3	-0.2	0.2	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.3	1.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	0.4	-0.1	0.0	0.0

Figure WQ DO 83 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.2	7.1	6.7	6.7	7.0	8.3	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.9	10.0	10.1	9.9	9.1	8.2	7.6	7.8	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	9.4	10.9	11.0	8.7	9.1	8.4	10.0	10.4	10.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.3	8.4	7.8	7.5	7.4	7.5	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.4	6.1	6.0	6.7	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	10.3	9.1	8.1	7.0	6.6	6.4	6.7	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.3	8.4	7.2	6.7	6.4	6.4	7.6	9.0	8.5
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.6	9.7	8.7	7.9	7.8	7.6	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.8	6.2	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.1	8.9	8.4	7.4	6.7	6.0	5.7	6.1	6.9	8.8	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.4	7.7	9.5	9.2
CRMS 0258	10.9	10.0	10.5	10.4	10.1	10.1	9.7	9.7	7.8	8.7	9.2	8.9
CRMS 0224	10.3	9.5	10.3	9.7	8.7	7.8	7.1	6.6	7.1	8.6	9.1	8.4
CRMS 0163	11.1	10.5	10.0	9.0	8.2	9.2	9.9	14.0	7.9	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.8	6.2	6.6	6.4	7.4	8.8	9.5

V3PR2 HYST - cy 2 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.4	8.9	8.6	8.3	7.7	7.0	6.6	6.7	7.1	8.1	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.1	9.9	10.3	9.7	10.1	9.2	8.7	8.5	7.8	7.8	9.5	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	9.5	10.6	10.9	8.7	8.9	8.0	10.2	10.5	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.3	9.8	9.1	8.0	6.8	6.4	7.5	7.9	8.9	9.3	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.6	8.7	8.7	7.8	7.5	6.7	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.7	10.1	9.9	8.9	9.4	8.5	8.3	6.9	8.1	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.7	10.5	10.2	10.6	8.4	8.1	6.7	6.3	6.2	7.4	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.7	10.2	10.6	10.2	9.6	8.5	7.7	7.6	7.2	8.6	9.4	9.2
HWQ14 - Lake Washington	10.9	10.2	10.3	9.9	8.4	7.5	6.3	6.0	6.2	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.1	9.5	9.6	9.0	7.8	6.9	6.3	5.9	6.0	6.8	8.4	8.4
CRMS 3985	11.1	10.4	9.8	9.5	8.2	6.8	5.7	5.5	6.3	7.4	9.5	9.2
CRMS 0258	11.4	10.6	10.5	11.2	11.8	12.0	11.9	11.4	8.2	8.9	9.3	9.2
CRMS 0224	11.1	10.4	10.3	10.6	11.4	10.7	11.0	9.7	7.7	8.4	9.0	8.9
CRMS 0163	11.0	10.5	10.0	9.0	8.2	9.5	10.4	14.5	7.7	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.6	6.8	6.2	6.4	6.4	7.4	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-1.2	-1.8	-0.9	-0.5	-0.1	-0.1	0.1	0.1	-0.3	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.4	-0.3	-0.1	-0.7	-0.4	0.2	0.1	-0.1	-0.2	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	-0.3	-0.1	0.0	-0.2	-0.4	0.2	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.1	0.3	-0.3	-0.2	-0.4	-0.9	-1.1	0.1	0.4	0.3	-0.7	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.2	0.7	1.2	2.3	1.7	1.5	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	1.0	-0.2	0.8	0.8	2.3	1.9	1.9	0.2	0.0	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.9	1.0	-0.4	1.3	0.0	0.9	0.0	-0.1	-0.2	-0.2	-0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.6	0.6	0.0	0.6	0.9	0.5	-0.2	0.0	0.2	-0.2	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.2	-0.1	0.9	0.6	0.6	0.1	0.0	-0.2	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.4	0.4	0.7	0.6	0.5	0.1	0.3	0.1	-0.1	-0.1	-0.3	0.0
CRMS 3985	0.1	0.2	0.1	1.0	0.8	0.5	-0.2	-0.3	-0.1	-0.3	0.0	0.0
CRMS 0258	0.5	0.6	0.0	0.8	1.7	1.9	2.2	1.8	0.4	0.2	0.1	0.2
CRMS 0224	0.8	0.9	0.0	1.0	2.7	2.9	3.9	3.0	0.6	-0.2	-0.1	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.4	-0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.1	0.0	0.0	0.1

Figure WQ DO 84 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.1	8.1	7.3	6.9	6.7	6.8	8.2	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.4	9.1	9.2	9.9	8.6	10.8	9.2	8.2	7.6	7.9	10.0	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.8	8.9	7.7	13.2	11.1	10.1	9.2	10.1	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	10.0	9.3	8.5	8.0	7.7	7.6	7.6	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.1	5.9	6.5	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.1	6.7	6.5	6.6	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.7	9.2	10.4	9.2	8.3	7.3	6.8	6.5	6.3	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.6	9.7	8.9	8.0	7.9	7.6	7.0	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.6	9.1	7.9	6.9	6.3	6.0	6.3	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.6	9.1	8.2	7.3	7.2	6.2	5.9	6.0	7.0	9.2	8.4
CRMS 3985	10.9	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.3	7.7	9.5	9.5
CRMS 0258	10.7	9.5	10.2	10.4	10.4	10.8	10.1	9.7	7.7	8.7	9.2	9.3
CRMS 0224	10.3	9.1	9.8	9.6	9.0	8.2	7.3	6.7	7.0	8.6	9.0	8.5
CRMS 0163	10.9	10.7	10.0	9.0	7.8	7.7	12.8	15.0	8.5	9.0	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.7	6.2	7.3	6.5	8.1	8.8	9.4

V3PR2 HYST - cy 2 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.6	8.3	7.5	7.0	6.6	6.6	7.1	8.1	9.1	8.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.2	9.6	9.0	10.1	8.9	8.6	7.6	7.7	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.9	7.6	13.0	11.0	9.9	9.2	10.0	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.2	9.8	9.0	7.6	6.8	6.5	8.5	7.6	8.8	9.2	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.2	8.1	10.0	8.4	6.7	6.6	8.0	9.6	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	9.8	9.9	9.4	8.2	9.8	9.2	7.2	6.8	8.1	9.1	9.8
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	9.8	9.7	8.0	9.3	7.1	6.2	6.1	7.4	8.8	9.5
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	9.9	10.5	9.4	8.7	8.0	8.1	7.0	8.6	9.4	9.4
HWQ14 - Lake Washington	10.8	10.1	9.9	10.0	8.4	7.4	6.4	6.0	6.2	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	8.4	8.6	9.1	8.8	7.6	7.2	6.4	5.7	5.9	6.9	8.9	8.6
CRMS 3985	11.0	10.2	9.7	9.5	8.2	7.0	5.8	5.6	6.3	7.4	9.5	9.4
CRMS 0258	10.9	9.6	10.0	10.7	12.0	12.8	12.2	11.1	7.8	8.9	9.3	9.8
CRMS 0224	10.5	9.4	9.8	10.4	11.6	11.9	11.2	8.8	7.5	8.4	8.9	9.5
CRMS 0163	10.9	10.7	10.0	9.0	7.7	7.8	13.3	15.1	8.4	8.9	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.7	6.2	7.0	6.5	7.7	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.3	-1.6	-0.8	-0.7	-0.3	-0.3	-0.1	0.3	-0.1	-0.8	-1.3
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	-0.3	0.5	-0.7	-0.2	0.4	-0.1	-0.3	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.1	-0.1	0.0	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.4	-0.2	-0.3	-0.9	-1.2	-1.3	0.9	0.0	0.2	-0.8	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.1	0.2	0.6	3.5	2.2	0.8	0.1	0.0	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.4	0.2	0.0	2.7	2.5	0.8	0.1	0.0	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.6	0.5	-0.3	1.9	0.2	-0.3	-0.2	-0.2	-0.3	1.0
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.8	0.7	0.4	0.6	0.1	0.5	0.0	-0.1	0.0	0.3
HWQ14 - Lake Washington	0.1	0.1	-0.7	0.9	0.5	0.6	0.1	0.0	-0.2	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.0	0.6	0.3	0.0	0.2	-0.2	-0.1	-0.1	-0.3	0.3
CRMS 3985	0.1	0.0	0.1	0.7	0.8	0.6	-0.1	-0.2	0.0	-0.3	0.0	-0.1
CRMS 0258	0.2	0.1	-0.2	0.3	1.6	2.0	2.1	1.4	0.1	0.2	0.0	0.5
CRMS 0224	0.3	0.3	0.0	0.7	2.6	3.6	3.9	2.0	0.5	-0.2	0.0	1.0
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.3	0.1	-0.4	0.0	0.0

Figure WQ DO 85 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.1	6.5	6.2	6.6	8.1	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.4	10.2	10.3	9.5	8.4	6.9	7.1	7.6	8.8	9.0
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.3	11.1	10.2	9.8	8.0	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.4	8.5	7.7	7.3	7.1	7.1	8.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.5	6.1	6.3	6.7	8.1	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	10.4	9.2	8.2	7.1	6.6	6.2	6.6	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.4	8.5	7.4	6.8	5.9	6.3	7.5	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.7	9.8	8.8	7.8	7.8	6.9	7.0	8.7	9.4	9.2
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.9	6.3	6.0	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	8.9	8.9	8.6	7.6	6.6	6.3	8.5	6.0	7.4	8.1	8.3
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	6.1	6.4	7.8	9.6	9.3
CRMS 0258	10.9	10.0	10.4	10.6	10.3	9.8	7.7	7.0	7.0	8.4	9.7	9.5
CRMS 0224	10.3	9.5	10.5	9.8	8.9	7.6	6.9	6.3	6.7	8.4	9.2	9.1
CRMS 0163	11.0	10.6	9.9	9.0	8.3	10.9	13.8	12.6	7.6	9.1	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	8.1	7.3	8.3	5.9	8.3	9.0	9.2

V3PR3 HYST - cy 2 - 1985 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.4	9.4	8.6	8.3	7.6	7.0	6.5	6.5	7.0	8.1	8.5	8.5
CRMS0276 - Just east of Wilkinson Canal	10.2	9.6	9.6	9.7	10.2	9.2	8.4	7.2	7.2	7.5	8.8	9.1
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.2	11.0	10.2	9.8	7.9	9.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.5	9.7	9.0	8.0	8.7	10.1	9.0	8.0	9.3	9.4	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.4	9.9	8.0	6.8	6.3	6.6	8.0	9.5	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.4	10.0	9.9	9.9	8.4	7.1	6.5	6.6	8.0	9.5	9.9
USGS 07380335 - Little Lake Near Cutoff	10.8	10.1	9.9	10.6	9.6	7.2	6.5	5.9	6.1	7.4	9.2	9.7
USGS073802516 Barataria Pass at Grand Isle	10.8	10.0	10.1	10.6	9.5	8.1	7.8	7.1	6.7	8.6	9.5	9.5
HWQ14 - Lake Washington	10.9	10.1	10.0	10.0	8.5	7.2	6.4	6.0	6.3	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.2	9.2	9.4	9.1	7.9	6.8	6.0	8.1	6.0	7.1	8.2	8.7
CRMS 3985	11.1	10.3	9.8	9.6	8.3	6.7	6.0	5.9	6.4	7.5	9.5	9.5
CRMS 0258	11.5	10.4	10.2	11.3	12.2	10.7	8.9	7.8	7.2	8.7	10.0	10.0
CRMS 0224	11.2	10.1	10.0	11.2	11.4	8.9	8.2	6.7	6.4	7.9	9.7	9.6
CRMS 0163	11.0	10.7	9.9	9.0	8.3	10.9	13.8	13.0	7.6	9.0	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	7.9	7.2	8.4	5.9	8.3	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-0.7	-1.8	-1.0	-0.6	-0.1	0.0	0.3	0.4	0.0	-1.6	-1.5
CRMS0276 - Just east of Wilkinson Canal	0.5	0.1	0.1	-0.5	-0.1	-0.2	0.0	0.3	0.2	-0.1	0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.1	0.5	-0.5	-0.4	-0.4	0.9	2.8	1.9	0.9	1.0	-0.6	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.3	0.5	2.4	1.5	0.7	0.0	-0.1	-0.1	-0.1	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	0.7	-0.5	0.7	1.7	1.4	0.5	0.3	0.0	0.0	0.4	0.7
USGS 07380335 - Little Lake Near Cutoff	1.0	0.6	-0.7	1.2	1.1	-0.1	-0.3	0.0	-0.2	-0.2	0.4	0.9
USGS073802516 Barataria Pass at Grand Isle	0.7	0.4	-0.6	0.8	0.7	0.3	0.0	0.2	-0.2	-0.1	0.1	0.3
HWQ14 - Lake Washington	0.1	0.1	-0.4	1.0	0.6	0.3	0.1	0.0	-0.1	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.5	0.3	0.5	0.5	0.3	0.2	-0.3	-0.5	0.0	-0.3	0.2	0.5
CRMS 3985	0.1	0.1	0.1	1.0	0.9	0.3	0.0	-0.2	0.0	-0.3	-0.1	0.3
CRMS 0258	0.6	0.5	-0.2	0.7	1.9	0.9	1.2	0.8	0.3	0.2	0.3	0.5
CRMS 0224	0.9	0.7	-0.5	1.4	2.6	1.3	1.3	0.4	-0.2	-0.5	0.5	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.4	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.3	-0.1	0.1	0.0	-0.1	0.0	0.0

Figure WQ DO 86 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.3	6.6	6.3	6.7	8.1	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.5	10.1	10.5	9.9	8.3	7.4	7.0	7.8	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.5	11.6	10.4	10.2	9.0	10.2	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.2	9.4	8.6	8.0	7.5	7.2	7.3	8.4	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.6	6.1	6.4	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.6	10.4	9.2	8.3	7.2	6.7	6.3	6.7	8.0	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	9.7	9.4	10.6	9.4	8.5	7.5	6.9	6.2	6.4	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.5	10.7	9.7	8.9	7.9	7.8	7.2	7.1	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	9.0	8.6	7.8	6.7	6.2	7.4	6.0	7.7	9.0	8.3
CRMS 3985	11.0	10.2	9.8	8.6	7.4	6.5	6.1	6.1	6.4	7.8	9.5	9.2
CRMS 0258	10.9	9.9	10.4	10.5	10.5	9.8	8.1	7.1	7.1	8.3	9.2	9.2
CRMS 0224	10.3	9.4	10.4	9.8	9.1	8.0	6.9	6.5	6.7	8.3	8.8	8.5
CRMS 0163	11.1	10.6	9.9	9.0	8.0	12.2	14.6	13.4	8.6	9.7	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.8	7.3	8.3	6.8	9.0	8.8	9.5

V3PR3 HYST - cy 2 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	8.9	8.6	8.3	7.7	6.9	6.6	6.6	7.1	8.1	9.1	8.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.7	9.6	10.1	9.8	8.3	7.6	7.1	7.6	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.4	11.6	10.3	10.0	9.1	10.3	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.4	9.7	9.0	7.8	9.6	10.0	9.1	8.1	9.7	9.5	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.9	9.3	9.7	8.0	6.6	6.3	6.6	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.7	10.0	9.8	9.6	8.5	6.9	6.5	6.6	8.0	9.1	9.5
USGS 07380335 - Little Lake Near Cutoff	10.4	10.4	9.9	10.4	9.9	7.8	6.6	6.1	6.1	7.4	8.8	9.1
USGS073802516 Barataria Pass at Grand Isle	10.5	10.2	10.2	10.4	9.6	8.4	7.7	7.2	6.7	8.6	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	10.1	9.9	8.6	7.4	6.4	6.0	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	8.7	9.4	9.5	9.2	8.1	6.7	5.9	6.9	6.0	7.3	8.8	8.3
CRMS 3985	11.0	10.4	9.8	9.6	8.6	6.8	5.9	5.9	6.3	7.6	9.5	9.3
CRMS 0258	11.2	10.5	10.2	11.4	12.8	10.6	8.9	8.0	7.4	8.6	9.2	9.5
CRMS 0224	10.8	10.3	10.0	11.2	12.2	9.4	7.8	6.9	6.5	8.0	8.8	9.0
CRMS 0163	11.1	10.6	9.9	9.0	7.9	12.3	14.6	13.6	8.6	9.5	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.9	7.2	8.0	6.0	8.8	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-1.1	-1.8	-1.0	-0.6	-0.4	0.0	0.2	0.4	0.0	-0.8	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.2	0.1	0.1	-0.5	-0.4	-0.1	0.1	0.2	0.1	-0.3	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	-0.2	0.1	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.5	-0.5	-0.4	-0.8	1.7	2.5	1.8	0.8	1.3	-0.3	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.3	0.4	2.1	1.4	0.5	-0.1	-0.2	-0.1	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.1	-0.4	0.6	1.4	1.3	0.2	0.2	0.0	0.0	0.0	0.6
USGS 07380335 - Little Lake Near Cutoff	0.6	1.0	-0.6	1.0	1.4	0.3	-0.3	0.0	-0.2	-0.2	-0.3	0.6
USGS073802516 Barataria Pass at Grand Isle	0.4	0.6	-0.5	0.7	0.7	0.5	-0.1	0.0	-0.4	-0.1	0.1	0.2
HWQ14 - Lake Washington	0.1	0.2	-0.3	0.9	0.7	0.4	0.0	-0.1	-0.1	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.2	0.4	0.6	0.6	0.2	0.0	-0.3	-0.5	-0.1	-0.4	-0.2	0.0
CRMS 3985	0.1	0.2	0.1	0.9	1.1	0.4	-0.2	-0.2	0.0	-0.3	0.0	0.1
CRMS 0258	0.3	0.6	-0.2	0.9	2.3	0.8	0.8	0.8	0.4	0.3	0.0	0.4
CRMS 0224	0.6	0.9	-0.4	1.5	3.1	1.3	0.8	0.4	-0.2	-0.4	0.0	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.2	-0.1	-0.2	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	-0.2	-0.3	-0.8	-0.2	0.0	0.0

Figure WQ DO 87 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.0	7.9	6.6	6.3	6.3	6.6	8.0	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.4	9.5	9.2	9.4	9.6	8.6	7.7	7.1	6.5	7.6	8.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.6	10.0	10.5	9.6	9.8	8.6	9.2	9.7	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.0	9.0	8.1	7.4	7.2	7.0	7.1	8.2	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.8	6.6	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.0	6.7	6.2	6.6	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	10.3	9.2	8.5	7.4	6.7	6.0	6.4	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.5	9.5	8.7	7.6	7.4	6.7	7.0	8.5	9.4	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.1	7.9	6.9	6.7	6.3	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.8	8.6	8.0	7.1	6.6	7.1	8.4	6.8	8.0	8.4	8.0
CRMS 3985	11.0	10.2	9.7	9.0	7.6	6.5	6.8	6.4	6.7	7.8	9.6	9.3
CRMS 0258	10.7	9.8	10.1	9.8	9.5	7.6	7.2	6.9	6.7	7.8	9.5	9.4
CRMS 0224	10.3	9.2	10.0	9.2	8.2	7.1	6.6	6.1	6.4	7.9	8.9	8.8
CRMS 0163	10.9	10.7	10.2	9.1	8.2	10.9	12.1	12.0	8.9	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.5	7.8	8.5	8.1	9.0	8.0	7.3	9.0	9.5

V3PR3 HYST - cy 2 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.5	9.3	8.8	7.7	6.9	6.6	6.6	7.2	8.0	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.6	9.5	9.4	9.5	8.6	7.9	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.5	9.9	10.4	9.9	10.0	8.6	9.1	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.7	10.0	9.8	8.6	8.6	9.1	8.4	8.0	9.3	9.6	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.4	8.7	7.1	6.5	6.3	6.6	8.0	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.4	10.3	9.4	8.8	7.3	6.7	6.3	6.6	8.0	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.9	10.1	10.6	9.2	8.3	7.2	6.7	5.9	6.2	7.4	8.8	8.9
USGS073802516 Barataria Pass at Grand Isle	10.2	10.0	10.9	9.8	9.1	7.7	7.4	6.7	6.8	8.5	9.5	9.4
HWQ14 - Lake Washington	10.8	10.1	10.7	9.7	8.3	7.1	6.4	6.1	6.4	7.7	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	9.0	8.7	8.1	7.4	6.5	7.1	8.4	6.4	7.4	8.0	8.1
CRMS 3985	11.0	10.3	9.7	8.9	7.8	6.6	6.0	5.9	6.3	7.6	9.5	9.2
CRMS 0258	10.8	10.2	10.7	9.9	10.4	7.7	7.5	7.3	7.1	8.2	9.6	9.6
CRMS 0224	10.4	10.0	10.8	9.5	9.8	7.4	6.8	6.2	6.1	7.8	9.0	9.2
CRMS 0163	10.9	10.7	10.2	9.1	8.2	10.9	12.4	12.2	9.7	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.6	7.9	8.5	8.2	9.2	8.3	7.1	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.5	-0.9	-0.1	-0.2	0.3	0.2	0.3	0.6	0.1	-0.9	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.2	0.0	-0.1	0.1	0.1	-0.2	0.0	0.0	-0.2	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	-0.1	-0.1	0.0	0.4	0.2	0.0	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.8	0.0	0.7	0.5	1.2	1.9	1.4	0.9	1.1	-0.3	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.1	0.4	1.2	0.5	-0.3	-0.3	-0.2	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.9	0.0	0.2	0.6	0.2	0.1	0.1	0.0	0.1	0.1	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	0.8	0.3	0.0	-0.2	-0.1	-0.1	-0.1	-0.2	0.0	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.4	0.4	0.4	0.1	0.0	0.0	-0.3	0.0	0.1	0.1
HWQ14 - Lake Washington	0.0	0.2	0.2	0.5	0.3	0.1	-0.2	-0.2	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.2	0.2	0.1	0.3	0.0	0.0	0.0	-0.3	-0.6	-0.3	0.1
CRMS 3985	0.0	0.1	0.0	-0.2	0.2	0.1	-0.7	-0.5	-0.3	-0.2	-0.1	-0.1
CRMS 0258	0.1	0.4	0.6	0.1	0.9	0.1	0.3	0.4	0.4	0.3	0.2	0.2
CRMS 0224	0.2	0.7	0.8	0.3	1.6	0.3	0.2	0.2	-0.3	-0.2	0.2	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.2	0.8	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.4	-0.2	0.0	0.0

Figure WQ DO 88 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.2	7.1	6.7	6.7	7.0	8.3	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.9	10.0	10.1	9.9	9.1	8.2	7.6	7.8	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	9.4	10.9	11.0	8.7	9.1	8.4	10.0	10.4	10.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.3	8.4	7.8	7.5	7.4	7.5	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.4	6.1	6.0	6.7	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	10.3	9.1	8.1	7.0	6.6	6.4	6.7	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.3	8.4	7.2	6.7	6.4	6.4	7.6	9.0	8.5
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.6	9.7	8.7	7.9	7.8	7.6	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.8	6.2	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.1	8.9	8.4	7.4	6.7	6.0	5.7	6.1	6.9	8.8	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.4	7.7	9.5	9.2
CRMS 0258	10.9	10.0	10.5	10.4	10.1	10.1	9.7	9.7	7.8	8.7	9.2	8.9
CRMS 0224	10.3	9.5	10.3	9.7	8.7	7.8	7.1	6.6	7.1	8.6	9.1	8.4
CRMS 0163	11.1	10.5	10.0	9.0	8.2	9.2	9.9	14.0	7.9	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.8	6.2	6.6	6.4	7.4	8.8	9.5

V3PR3 HYST - cy 2 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.4	8.9	8.6	8.3	7.7	7.0	6.6	6.7	7.1	8.1	9.2	9.5
CRMS0276 - Just east of Wilkinson Canal	10.1	9.9	10.3	9.7	10.1	9.2	8.7	8.4	7.8	7.8	9.5	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	9.6	10.6	10.9	8.7	8.9	8.1	10.1	10.4	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.3	9.8	9.1	8.0	6.8	6.3	8.0	8.7	9.8	9.6	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.6	8.7	8.6	7.7	7.5	6.7	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.7	10.1	9.9	8.9	9.4	8.5	8.3	6.9	8.1	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.7	10.5	10.2	10.6	8.4	8.1	6.7	6.3	6.1	7.4	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.7	10.2	10.6	10.2	9.7	8.4	7.7	7.6	7.1	8.6	9.4	9.2
HWQ14 - Lake Washington	10.9	10.2	10.3	9.9	8.4	7.4	6.3	6.0	6.2	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.1	9.5	9.6	9.0	7.8	6.9	6.3	5.8	6.0	6.8	8.4	8.4
CRMS 3985	11.1	10.4	9.8	9.5	8.2	6.7	5.7	5.5	6.3	7.4	9.5	9.2
CRMS 0258	11.4	10.6	10.5	11.2	11.9	12.1	12.2	11.6	8.3	8.9	9.3	9.2
CRMS 0224	11.1	10.4	10.3	10.7	11.4	10.8	11.0	9.6	7.7	8.3	9.0	8.9
CRMS 0163	11.0	10.5	10.0	9.0	8.2	9.4	10.4	14.6	7.7	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.6	6.8	6.2	6.4	6.4	7.4	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-1.2	-1.8	-0.9	-0.5	-0.1	-0.1	0.0	0.1	-0.3	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.4	-0.3	-0.1	-0.7	-0.4	0.2	0.1	-0.1	-0.2	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	-0.2	-0.1	0.0	-0.2	-0.4	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.4	-0.3	-0.2	-0.5	-1.0	-1.2	0.6	1.2	1.2	-0.4	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.2	0.7	1.2	2.2	1.6	1.4	-0.1	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	1.0	-0.2	0.8	0.7	2.3	1.8	1.9	0.2	0.0	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.9	1.0	-0.4	1.3	0.0	0.9	0.0	-0.1	-0.2	-0.2	-0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.6	0.6	0.0	0.6	0.9	0.5	-0.2	0.0	0.1	-0.2	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.2	-0.1	0.9	0.6	0.6	0.1	0.0	-0.2	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.4	0.4	0.7	0.6	0.4	0.1	0.3	0.1	-0.1	-0.1	-0.3	0.0
CRMS 3985	0.1	0.2	0.1	1.0	0.8	0.4	-0.2	-0.3	-0.1	-0.3	0.0	0.0
CRMS 0258	0.5	0.6	0.0	0.8	1.8	2.0	2.5	2.0	0.4	0.2	0.1	0.3
CRMS 0224	0.8	0.9	0.0	1.0	2.7	3.0	3.9	2.9	0.6	-0.2	-0.1	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.5	-0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	0.0

Figure WQ DO 89 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.1	8.1	7.3	6.9	6.7	6.8	8.2	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.4	9.1	9.2	9.9	8.6	10.8	9.2	8.2	7.6	7.9	10.0	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.8	8.9	7.7	13.2	11.1	10.1	9.2	10.1	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	10.0	9.3	8.5	8.0	7.7	7.6	7.6	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.1	5.9	6.5	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.1	6.7	6.5	6.6	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.7	9.2	10.4	9.2	8.3	7.3	6.8	6.5	6.3	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.6	9.7	8.9	8.0	7.9	7.6	7.0	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.6	9.1	7.9	6.9	6.3	6.0	6.3	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.6	9.1	8.2	7.3	7.2	6.2	5.9	6.0	7.0	9.2	8.4
CRMS 3985	10.9	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.3	7.7	9.5	9.5
CRMS 0258	10.7	9.5	10.2	10.4	10.4	10.8	10.1	9.7	7.7	8.7	9.2	9.3
CRMS 0224	10.3	9.1	9.8	9.6	9.0	8.2	7.3	6.7	7.0	8.6	9.0	8.5
CRMS 0163	10.9	10.7	10.0	9.0	7.8	7.7	12.8	15.0	8.5	9.0	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.7	6.2	7.3	6.5	8.1	8.8	9.4

V3PR3 HYST - cy 2 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.6	8.3	7.5	7.0	6.6	6.6	7.1	8.0	9.1	8.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.2	9.6	9.1	10.1	9.0	8.6	7.7	7.6	9.9	8.8
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.9	7.6	13.0	11.0	10.0	9.3	10.0	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.4	9.8	9.0	7.6	6.8	6.4	9.6	8.5	9.7	9.5	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.2	8.1	10.0	8.4	6.8	6.6	8.0	9.6	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	9.8	9.9	9.4	8.2	9.9	9.2	7.3	6.8	8.1	9.1	9.8
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	9.8	9.7	8.0	9.3	7.2	6.3	6.1	7.4	8.8	9.5
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	9.9	10.5	9.4	8.6	8.0	8.1	7.0	8.6	9.4	9.4
HWQ14 - Lake Washington	10.8	10.1	9.9	10.0	8.4	7.5	6.5	6.0	6.2	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	8.4	8.6	9.1	8.8	7.6	7.2	6.4	5.7	5.9	6.9	8.9	8.6
CRMS 3985	11.0	10.2	9.7	9.5	8.3	7.0	5.8	5.7	6.3	7.4	9.5	9.4
CRMS 0258	10.9	9.6	10.0	10.7	12.1	13.0	12.5	11.2	7.8	8.9	9.3	9.8
CRMS 0224	10.5	9.4	9.8	10.4	11.6	11.9	11.3	8.8	7.5	8.4	8.9	9.5
CRMS 0163	10.9	10.7	10.0	9.0	7.7	7.7	13.4	15.1	8.5	9.0	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.7	6.2	7.1	6.5	7.7	8.8	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.3	-1.6	-0.8	-0.7	-0.3	-0.3	-0.1	0.3	-0.2	-0.8	-1.3
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	-0.2	0.6	-0.7	-0.2	0.4	0.0	-0.3	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.6	-0.2	-0.3	-0.9	-1.3	-1.4	2.1	0.9	1.1	-0.4	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.1	0.3	0.7	3.6	2.3	0.8	0.1	0.0	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.4	0.3	0.0	2.8	2.5	0.8	0.1	0.0	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.6	0.5	-0.3	2.0	0.3	-0.3	-0.2	-0.2	-0.3	1.0
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.8	0.7	0.5	0.6	0.2	0.5	0.0	-0.1	0.0	0.3
HWQ14 - Lake Washington	0.1	0.1	-0.7	0.9	0.5	0.6	0.2	0.1	-0.1	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.0	0.6	0.3	0.0	0.2	-0.2	-0.1	-0.1	-0.3	0.3
CRMS 3985	0.1	0.0	0.1	0.7	0.9	0.7	0.0	-0.2	0.0	-0.3	0.0	-0.1
CRMS 0258	0.2	0.1	-0.2	0.3	1.7	2.2	2.4	1.5	0.1	0.2	0.0	0.5
CRMS 0224	0.2	0.3	0.1	0.7	2.6	3.7	4.0	2.1	0.5	-0.2	0.0	1.0
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.1	-0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	-0.4	0.0	0.0

Figure WQ DO 90 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.1	6.5	6.2	6.6	8.1	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.4	10.2	10.3	9.5	8.4	6.9	7.1	7.6	8.8	9.0
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.3	11.1	10.2	9.8	8.0	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.4	8.5	7.7	7.3	7.1	7.1	8.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.5	6.1	6.3	6.7	8.1	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	10.4	9.2	8.2	7.1	6.6	6.2	6.6	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.4	8.5	7.4	6.8	5.9	6.3	7.5	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.7	9.8	8.8	7.8	7.8	6.9	7.0	8.7	9.4	9.2
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.9	6.3	6.0	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	8.9	8.9	8.6	7.6	6.6	6.3	8.5	6.0	7.4	8.1	8.3
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	6.1	6.4	7.8	9.6	9.3
CRMS 0258	10.9	10.0	10.4	10.6	10.3	9.8	7.7	7.0	7.0	8.4	9.7	9.5
CRMS 0224	10.3	9.5	10.5	9.8	8.9	7.6	6.9	6.3	6.7	8.4	9.2	9.1
CRMS 0163	11.0	10.6	9.9	9.0	8.3	10.9	13.8	12.6	7.6	9.1	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	8.1	7.3	8.3	5.9	8.3	9.0	9.2

V3PR4 HYST - cy 2 - 1985 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	9.3	8.4	8.2	7.6	7.0	6.5	6.5	7.0	8.0	8.4	8.4
CRMS0276 - Just east of Wilkinson Canal	10.3	9.7	9.6	9.8	10.3	9.2	8.4	7.2	7.3	7.5	8.9	9.2
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.3	11.0	10.3	9.9	7.9	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	10.3	9.3	8.8	7.8	8.5	9.7	9.0	7.5	8.8	9.3	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.8	9.2	9.5	8.1	6.7	6.2	6.5	7.9	9.5	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.4	9.9	9.2	9.2	8.5	7.1	6.5	6.6	8.0	9.5	9.8
USGS 07380335 - Little Lake Near Cutoff	11.0	10.2	9.9	9.7	9.5	7.5	6.5	5.9	6.1	7.3	9.3	9.8
USGS073802516 Barataria Pass at Grand Isle	10.9	10.1	9.9	11.0	9.8	8.2	7.9	7.1	6.7	8.6	9.5	9.5
HWQ14 - Lake Washington	10.9	10.2	9.8	10.3	8.7	7.3	6.4	6.0	6.3	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.4	9.2	9.5	9.5	8.1	6.8	6.0	8.0	6.0	7.0	8.3	9.0
CRMS 3985	11.1	10.3	9.8	9.5	8.5	6.7	6.0	5.9	6.4	7.5	9.5	9.6
CRMS 0258	11.5	10.5	10.2	11.5	12.5	11.1	9.0	7.8	7.1	8.6	10.1	10.1
CRMS 0224	11.3	10.2	10.0	10.9	12.1	9.3	8.2	6.7	6.4	7.8	9.6	9.8
CRMS 0163	11.0	10.7	9.9	9.0	8.4	10.9	14.0	13.1	7.5	9.0	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	7.8	7.2	8.6	6.1	8.0	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-0.8	-2.0	-1.1	-0.6	-0.1	0.0	0.2	0.4	-0.1	-1.7	-1.7
CRMS0276 - Just east of Wilkinson Canal	0.6	0.1	0.2	-0.4	-0.1	-0.2	0.1	0.3	0.2	0.0	0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.0	-0.1	0.1	0.0	-0.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.5	0.3	-0.9	-0.6	-0.7	0.7	2.4	1.9	0.4	0.4	-0.7	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.3	0.2	2.0	1.6	0.6	-0.1	-0.2	-0.2	-0.2	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	0.8	-0.6	0.1	1.0	1.4	0.5	0.3	0.0	0.0	0.4	0.7
USGS 07380335 - Little Lake Near Cutoff	1.2	0.7	-0.7	0.4	1.0	0.1	-0.3	0.0	-0.2	-0.2	0.5	1.0
USGS073802516 Barataria Pass at Grand Isle	0.8	0.4	-0.8	1.2	1.0	0.4	0.1	0.3	-0.3	-0.1	0.1	0.3
HWQ14 - Lake Washington	0.2	0.1	-0.6	1.2	0.8	0.4	0.1	0.0	-0.1	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.7	0.3	0.6	0.9	0.5	0.2	-0.3	-0.5	0.0	-0.4	0.2	0.7
CRMS 3985	0.2	0.1	0.1	0.8	1.1	0.4	0.0	-0.2	0.0	-0.4	-0.1	0.3
CRMS 0258	0.7	0.5	-0.3	0.9	2.3	1.3	1.2	0.8	0.2	0.2	0.4	0.6
CRMS 0224	1.0	0.8	-0.5	1.1	3.2	1.7	1.3	0.4	-0.2	-0.6	0.4	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.1	-0.1	0.2	0.5	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.3	-0.1	0.2	0.3	-0.3	0.0	0.0

Figure WQ DO 91 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.3	6.6	6.3	6.7	8.1	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.5	10.1	10.5	9.9	8.3	7.4	7.0	7.8	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.5	11.6	10.4	10.2	9.0	10.2	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.2	9.4	8.6	8.0	7.5	7.2	7.3	8.4	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.6	6.1	6.4	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.6	10.4	9.2	8.3	7.2	6.7	6.3	6.7	8.0	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	9.7	9.4	10.6	9.4	8.5	7.5	6.9	6.2	6.4	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.5	10.7	9.7	8.9	7.9	7.8	7.2	7.1	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	9.0	8.6	7.8	6.7	6.2	7.4	6.0	7.7	9.0	8.3
CRMS 3985	11.0	10.2	9.8	8.6	7.4	6.5	6.1	6.1	6.4	7.8	9.5	9.2
CRMS 0258	10.9	9.9	10.4	10.5	10.5	9.8	8.1	7.1	7.1	8.3	9.2	9.2
CRMS 0224	10.3	9.4	10.4	9.8	9.1	8.0	6.9	6.5	6.7	8.3	8.8	8.5
CRMS 0163	11.1	10.6	9.9	9.0	8.0	12.2	14.6	13.4	8.6	9.7	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.8	7.3	8.3	6.8	9.0	8.8	9.5

V3PR4 HYST - cy 2 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	8.8	8.4	8.2	7.7	6.9	6.6	6.5	7.0	8.0	9.1	8.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.7	9.7	10.1	9.7	8.4	7.7	7.1	7.5	9.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.3	11.6	10.4	10.0	9.0	10.4	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.1	9.3	8.8	7.8	9.1	9.6	9.0	7.5	8.9	9.1	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.8	9.1	8.5	8.1	6.6	6.2	6.5	7.9	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.7	9.9	9.2	8.5	8.7	6.9	6.5	6.6	8.0	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.5	10.6	9.9	9.6	9.1	8.3	6.6	6.2	6.1	7.3	8.8	9.3
USGS073802516 Barataria Pass at Grand Isle	10.6	10.3	10.0	10.9	10.2	8.8	7.8	7.4	6.7	8.6	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	9.9	10.1	8.8	7.6	6.4	6.0	6.3	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	8.7	9.6	9.6	9.5	8.4	6.8	5.9	6.7	6.0	7.3	8.7	8.3
CRMS 3985	11.1	10.4	9.8	9.5	8.9	6.9	5.9	5.9	6.3	7.4	9.5	9.3
CRMS 0258	11.2	10.7	10.2	11.4	13.1	10.8	9.0	8.0	7.3	8.5	9.2	9.6
CRMS 0224	10.9	10.5	10.0	11.0	12.9	9.6	7.7	6.8	6.5	7.8	8.8	9.1
CRMS 0163	11.1	10.6	9.9	9.0	7.9	12.2	14.6	13.8	8.4	9.4	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.7	7.3	7.8	5.9	8.3	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-1.3	-2.0	-1.1	-0.6	-0.4	0.0	0.2	0.3	0.0	-0.8	-1.1
CRMS0276 - Just east of Wilkinson Canal	0.2	0.2	0.1	-0.4	-0.4	-0.1	0.2	0.3	0.0	-0.3	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	-0.1	0.0	0.0	-0.2	0.0	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.1	-0.9	-0.6	-0.8	1.1	2.1	1.8	0.3	0.5	-0.7	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.3	0.2	0.9	1.5	0.5	-0.2	-0.3	-0.2	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.1	-0.5	0.0	0.2	1.5	0.3	0.2	-0.1	0.0	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.7	1.2	-0.7	0.3	0.6	0.8	-0.3	0.0	-0.2	-0.2	-0.3	0.7
USGS073802516 Barataria Pass at Grand Isle	0.5	0.7	-0.7	1.1	1.3	0.9	0.0	0.1	-0.4	-0.1	0.0	0.2
HWQ14 - Lake Washington	0.1	0.2	-0.5	1.1	0.9	0.6	0.0	-0.1	-0.1	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.3	0.6	0.6	0.8	0.6	0.1	-0.3	-0.7	-0.1	-0.4	-0.3	0.0
CRMS 3985	0.1	0.2	0.1	0.8	1.5	0.4	-0.2	-0.2	-0.1	-0.4	0.0	0.1
CRMS 0258	0.4	0.7	-0.3	0.9	2.6	1.0	0.9	0.8	0.3	0.2	0.0	0.4
CRMS 0224	0.6	1.1	-0.4	1.2	3.8	1.5	0.7	0.3	-0.3	-0.5	0.0	0.7
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.3	-0.2	-0.3	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.4	-1.0	-0.7	0.0	0.0

Figure WQ DO 92 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.0	7.9	6.6	6.3	6.3	6.6	8.0	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.4	9.5	9.2	9.4	9.6	8.6	7.7	7.1	6.5	7.6	8.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.6	10.0	10.5	9.6	9.8	8.6	9.2	9.7	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.0	9.0	8.1	7.4	7.2	7.0	7.1	8.2	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.8	6.6	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.0	6.7	6.2	6.6	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	10.3	9.2	8.5	7.4	6.7	6.0	6.4	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.5	9.5	8.7	7.6	7.4	6.7	7.0	8.5	9.4	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.1	7.9	6.9	6.7	6.3	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.8	8.6	8.0	7.1	6.6	7.1	8.4	6.8	8.0	8.4	8.0
CRMS 3985	11.0	10.2	9.7	9.0	7.6	6.5	6.8	6.4	6.7	7.8	9.6	9.3
CRMS 0258	10.7	9.8	10.1	9.8	9.5	7.6	7.2	6.9	6.7	7.8	9.5	9.4
CRMS 0224	10.3	9.2	10.0	9.2	8.2	7.1	6.6	6.1	6.4	7.9	8.9	8.8
CRMS 0163	10.9	10.7	10.2	9.1	8.2	10.9	12.1	12.0	8.9	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.5	7.8	8.5	8.1	9.0	8.0	7.3	9.0	9.5

V3PR4 HYST - cy 2 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.4	9.3	8.8	7.7	6.9	6.6	6.6	7.1	8.0	9.1	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.6	9.5	9.5	9.5	8.6	7.8	6.9	6.4	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.5	9.8	10.4	10.0	10.1	9.2	9.1	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.6	9.8	9.4	8.1	8.3	9.3	9.0	7.6	8.8	9.2	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.4	8.6	7.1	6.5	6.3	6.6	8.0	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.5	10.3	9.4	8.6	7.3	6.7	6.3	6.5	8.0	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.9	10.2	10.6	9.2	8.2	7.3	6.7	5.9	6.2	7.4	8.8	8.9
USGS073802516 Barataria Pass at Grand Isle	10.2	10.1	10.9	9.8	9.3	7.8	7.5	6.8	6.8	8.5	9.5	9.3
HWQ14 - Lake Washington	10.8	10.2	10.6	9.6	8.3	7.1	6.5	6.1	6.4	7.7	9.5	9.3
HWQ16 - Bayou Grand Liard	8.4	9.1	8.8	8.1	7.5	6.5	7.0	8.4	6.4	7.1	8.0	8.1
CRMS 3985	11.0	10.3	9.7	8.8	7.9	6.6	6.1	5.9	6.3	7.6	9.5	9.3
CRMS 0258	10.8	10.4	10.9	10.1	11.0	7.8	7.5	7.3	6.9	8.1	9.6	9.5
CRMS 0224	10.4	10.2	10.9	9.7	10.3	7.4	6.8	6.3	6.2	7.8	9.1	9.1
CRMS 0163	11.0	10.7	10.2	9.1	8.2	10.9	12.6	12.4	10.3	8.4	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.6	7.8	8.6	8.2	8.7	8.6	7.3	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.6	-1.0	-0.1	-0.2	0.3	0.2	0.3	0.5	0.0	-0.9	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.3	0.1	-0.1	0.1	0.1	-0.2	0.0	-0.1	-0.2	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.4	0.3	0.6	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.7	-0.3	0.3	-0.1	1.0	2.1	1.9	0.5	0.6	-0.6	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.1	0.4	1.1	0.5	-0.3	-0.3	-0.2	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	1.0	0.0	0.2	0.5	0.3	0.1	0.1	0.0	0.1	0.1	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	1.0	0.3	0.1	-0.3	-0.1	0.0	-0.1	-0.3	0.1	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.6	0.4	0.3	0.6	0.1	0.1	0.0	-0.3	0.0	0.1	0.0
HWQ14 - Lake Washington	0.0	0.2	0.2	0.5	0.4	0.2	-0.2	-0.1	-0.1	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.3	0.2	0.2	0.4	0.0	-0.1	0.0	-0.4	-0.9	-0.3	0.1
CRMS 3985	0.0	0.1	0.0	-0.2	0.3	0.1	-0.7	-0.5	-0.3	-0.2	-0.1	-0.1
CRMS 0258	0.1	0.6	0.8	0.2	1.5	0.2	0.4	0.5	0.2	0.3	0.1	0.1
CRMS 0224	0.2	0.9	0.8	0.4	2.0	0.3	0.2	0.3	-0.2	-0.1	0.2	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.4	1.4	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.1	0.0	0.0	0.1	0.1	-0.4	0.7	0.0	0.0	0.0

Figure WQ DO 93 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.2	7.1	6.7	6.7	7.0	8.3	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.9	10.0	10.1	9.9	9.1	8.2	7.6	7.8	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	9.4	10.9	11.0	8.7	9.1	8.4	10.0	10.4	10.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.3	8.4	7.8	7.5	7.4	7.5	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.4	6.1	6.0	6.7	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	10.3	9.1	8.1	7.0	6.6	6.4	6.7	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.3	8.4	7.2	6.7	6.4	6.4	7.6	9.0	8.5
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.6	9.7	8.7	7.9	7.8	7.6	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.8	6.2	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.1	8.9	8.4	7.4	6.7	6.0	5.7	6.1	6.9	8.8	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.4	7.7	9.5	9.2
CRMS 0258	10.9	10.0	10.5	10.4	10.1	10.1	9.7	9.7	7.8	8.7	9.2	8.9
CRMS 0224	10.3	9.5	10.3	9.7	8.7	7.8	7.1	6.6	7.1	8.6	9.1	8.4
CRMS 0163	11.1	10.5	10.0	9.0	8.2	9.2	9.9	14.0	7.9	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.8	6.2	6.6	6.4	7.4	8.8	9.5

V3PR4 HYST - cy 2 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	8.7	8.5	8.2	7.7	7.0	6.6	6.7	7.0	8.0	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.2	10.0	10.3	9.7	10.0	9.1	8.6	8.5	7.9	7.9	9.2	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.8	9.6	10.6	10.9	8.8	8.8	8.0	10.1	10.5	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	10.8	9.9	9.6	8.9	7.8	6.8	6.4	7.3	8.1	9.2	9.2	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.3	8.3	8.4	7.4	7.4	6.6	7.9	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.7	10.0	9.4	8.5	8.2	7.3	7.7	6.9	8.1	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	11.0	10.6	10.1	9.9	8.2	7.8	6.5	6.4	6.1	7.4	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.8	10.3	10.3	10.8	9.7	9.1	7.9	7.6	7.2	8.6	9.4	9.2
HWQ14 - Lake Washington	10.9	10.2	10.1	10.1	8.5	7.6	6.3	6.0	6.2	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.3	9.7	9.6	9.2	7.9	7.1	6.4	5.9	6.0	6.8	8.3	8.4
CRMS 3985	11.1	10.4	9.8	9.6	8.2	6.9	5.8	5.5	6.3	7.4	9.5	9.2
CRMS 0258	11.5	10.7	10.3	11.3	12.7	13.5	13.5	11.8	8.2	8.8	9.2	9.2
CRMS 0224	11.3	10.6	10.1	11.1	12.4	12.3	11.9	10.3	7.5	8.2	9.0	8.9
CRMS 0163	11.0	10.5	10.0	9.0	8.2	9.5	10.4	14.6	7.7	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.6	6.8	6.2	6.3	6.4	7.5	8.8	9.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-1.4	-1.9	-1.0	-0.5	-0.1	-0.1	0.0	0.0	-0.3	-0.9	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.6	0.2	0.3	-0.3	-0.2	-0.8	-0.5	0.3	0.3	0.1	-0.5	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	-0.2	-0.1	0.0	-0.2	-0.4	0.2	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.4	-0.1	-0.6	-0.5	-0.6	-1.0	-1.1	0.0	0.5	0.5	-0.7	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.2	0.4	0.8	2.0	1.3	1.4	-0.1	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	1.0	-0.3	0.3	0.3	1.1	0.7	1.3	0.2	0.0	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.2	1.2	-0.5	0.6	-0.2	0.6	-0.2	0.0	-0.2	-0.2	-0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.7	0.7	-0.3	1.1	1.0	1.2	0.0	0.1	0.2	-0.2	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.3	-0.3	1.1	0.6	0.8	0.1	0.1	-0.2	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.6	0.6	0.7	0.8	0.5	0.3	0.3	0.2	-0.1	-0.1	-0.5	0.0
CRMS 3985	0.1	0.2	0.1	1.0	0.9	0.6	-0.1	-0.3	-0.1	-0.3	0.0	0.0
CRMS 0258	0.6	0.7	-0.2	1.0	2.6	3.4	3.8	2.1	0.3	0.1	0.0	0.2
CRMS 0224	1.0	1.1	-0.2	1.4	3.7	4.5	4.8	3.7	0.4	-0.4	-0.1	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.6	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.1	0.0	0.1

Figure WQ DO 94 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.1	8.1	7.3	6.9	6.7	6.8	8.2	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.4	9.1	9.2	9.9	8.6	10.8	9.2	8.2	7.6	7.9	10.0	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.8	8.9	7.7	13.2	11.1	10.1	9.2	10.1	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	10.0	9.3	8.5	8.0	7.7	7.6	7.6	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.1	5.9	6.5	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.1	6.7	6.5	6.6	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.7	9.2	10.4	9.2	8.3	7.3	6.8	6.5	6.3	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.6	9.7	8.9	8.0	7.9	7.6	7.0	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.6	9.1	7.9	6.9	6.3	6.0	6.3	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.6	9.1	8.2	7.3	7.2	6.2	5.9	6.0	7.0	9.2	8.4
CRMS 3985	10.9	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.3	7.7	9.5	9.5
CRMS 0258	10.7	9.5	10.2	10.4	10.4	10.8	10.1	9.7	7.7	8.7	9.2	9.3
CRMS 0224	10.3	9.1	9.8	9.6	9.0	8.2	7.3	6.7	7.0	8.6	9.0	8.5
CRMS 0163	10.9	10.7	10.0	9.0	7.8	7.7	12.8	15.0	8.5	9.0	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.7	6.2	7.3	6.5	8.1	8.8	9.4

V3PR4 HYST - cy 2 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.5	8.2	7.4	7.0	6.6	6.5	7.0	8.0	9.1	8.4
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.3	9.5	9.1	10.0	9.1	8.7	7.7	7.7	9.9	8.9
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.9	7.6	13.0	11.0	10.1	9.2	10.0	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	9.5	8.8	7.6	6.8	6.4	9.1	7.9	9.1	9.2	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.8	9.0	7.6	9.4	8.4	6.8	6.5	7.9	9.6	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	9.8	9.9	9.0	7.7	8.5	8.0	7.4	6.8	8.0	9.1	9.9
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	9.8	9.2	7.7	8.8	7.1	6.3	6.1	7.4	8.8	9.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	9.8	10.5	9.4	9.3	8.4	8.4	7.1	8.7	9.4	9.5
HWQ14 - Lake Washington	10.8	10.1	9.8	10.0	8.8	7.9	6.5	6.1	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.4	8.6	9.2	9.0	7.6	7.5	6.5	5.7	5.9	6.9	8.9	8.8
CRMS 3985	11.0	10.2	9.8	9.4	8.0	7.7	5.9	5.6	6.3	7.4	9.5	9.5
CRMS 0258	10.8	9.7	10.0	10.9	12.2	14.7	13.6	11.2	7.6	8.8	9.2	9.9
CRMS 0224	10.5	9.4	9.8	10.4	11.1	13.3	12.4	8.8	7.3	8.1	8.9	9.7
CRMS 0163	10.9	10.7	10.0	9.0	7.7	7.7	13.4	15.3	8.3	8.8	9.6	10.0
CRMS 0162	10.3	10.1	9.4	8.6	7.4	6.6	6.2	7.0	6.6	7.4	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.4	-1.8	-0.9	-0.7	-0.3	-0.2	-0.1	0.3	-0.2	-0.9	-1.5
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	-0.4	0.5	-0.8	-0.1	0.6	0.0	-0.3	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.1	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.4	-0.4	-0.5	-0.9	-1.2	-1.4	1.6	0.2	0.5	-0.8	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.1	0.1	0.2	3.0	2.3	0.8	0.0	-0.1	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.4	-0.1	-0.5	1.4	1.3	0.9	0.1	0.0	0.1	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.6	-0.1	-0.6	1.5	0.2	-0.2	-0.2	-0.2	-0.3	1.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.9	0.8	0.5	1.3	0.6	0.9	0.0	-0.1	0.0	0.4
HWQ14 - Lake Washington	0.1	0.1	-0.8	1.0	0.9	1.1	0.2	0.1	-0.2	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	0.8	0.3	0.3	0.3	-0.2	-0.1	-0.2	-0.3	0.4
CRMS 3985	0.1	0.0	0.1	0.6	0.6	1.3	0.1	-0.2	0.0	-0.3	0.0	0.0
CRMS 0258	0.2	0.1	-0.2	0.5	1.8	4.0	3.5	1.5	0.0	0.1	0.0	0.6
CRMS 0224	0.2	0.3	0.1	0.8	2.1	5.1	5.1	2.1	0.3	-0.4	-0.1	1.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.2	0.1	-0.7	0.0	0.0

Figure WQ DO 95 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.1	6.5	6.2	6.6	8.1	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.4	10.2	10.3	9.5	8.4	6.9	7.1	7.6	8.8	9.0
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.3	11.1	10.2	9.8	8.0	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.4	8.5	7.7	7.3	7.1	7.1	8.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.5	6.1	6.3	6.7	8.1	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	10.4	9.2	8.2	7.1	6.6	6.2	6.6	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.4	8.5	7.4	6.8	5.9	6.3	7.5	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.7	9.8	8.8	7.8	7.8	6.9	7.0	8.7	9.4	9.2
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.9	6.3	6.0	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	8.9	8.9	8.6	7.6	6.6	6.3	8.5	6.0	7.4	8.1	8.3
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	6.1	6.4	7.8	9.6	9.3
CRMS 0258	10.9	10.0	10.4	10.6	10.3	9.8	7.7	7.0	7.0	8.4	9.7	9.5
CRMS 0224	10.3	9.5	10.5	9.8	8.9	7.6	6.9	6.3	6.7	8.4	9.2	9.1
CRMS 0163	11.0	10.6	9.9	9.0	8.3	10.9	13.8	12.6	7.6	9.1	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	8.1	7.3	8.3	5.9	8.3	9.0	9.2

V3PR5 HYST - cy 2 - 1985 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	9.3	8.4	8.2	7.6	7.0	6.5	6.5	7.0	8.0	8.4	8.4
CRMS0276 - Just east of Wilkinson Canal	10.3	9.7	9.6	9.8	10.2	9.3	8.5	7.2	7.2	7.5	8.9	9.2
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.2	11.0	10.3	9.9	7.8	9.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	10.3	9.4	8.8	7.8	8.5	9.6	8.8	7.5	8.7	9.3	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.8	9.1	9.4	8.1	6.8	6.3	6.5	7.9	9.5	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.4	9.9	9.3	9.2	8.5	7.1	6.5	6.6	8.0	9.5	9.8
USGS 07380335 - Little Lake Near Cutoff	11.0	10.2	9.9	9.8	9.5	7.5	6.5	5.9	6.1	7.4	9.3	9.8
USGS073802516 Barataria Pass at Grand Isle	10.9	10.1	9.9	10.9	9.8	8.2	8.0	7.1	6.7	8.6	9.5	9.5
HWQ14 - Lake Washington	10.9	10.2	9.8	10.2	8.7	7.3	6.4	6.0	6.3	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.4	9.3	9.4	9.5	8.0	6.8	6.0	7.9	6.0	7.0	8.3	9.0
CRMS 3985	11.1	10.3	9.8	9.5	8.6	6.8	6.0	5.9	6.4	7.5	9.5	9.6
CRMS 0258	11.5	10.5	10.2	11.5	12.6	11.0	9.0	7.8	7.1	8.6	10.1	10.1
CRMS 0224	11.3	10.2	10.0	11.0	12.1	9.2	8.2	6.7	6.4	7.8	9.6	9.8
CRMS 0163	11.0	10.7	9.8	9.0	8.3	10.8	13.9	13.1	7.5	9.0	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	7.8	7.2	8.5	6.1	8.0	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-0.8	-2.0	-1.1	-0.6	-0.1	0.0	0.3	0.4	-0.1	-1.7	-1.7
CRMS0276 - Just east of Wilkinson Canal	0.6	0.1	0.2	-0.4	-0.1	-0.2	0.1	0.3	0.2	-0.1	0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.1	-0.1	0.1	0.1	-0.2	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.4	0.3	-0.8	-0.6	-0.7	0.8	2.2	1.7	0.4	0.3	-0.7	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.3	0.2	1.8	1.6	0.7	0.0	-0.2	-0.2	-0.2	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	0.8	-0.6	0.1	1.0	1.5	0.5	0.3	0.0	0.0	0.4	0.7
USGS 07380335 - Little Lake Near Cutoff	1.2	0.8	-0.7	0.4	1.0	0.2	-0.3	0.0	-0.2	-0.2	0.5	1.0
USGS073802516 Barataria Pass at Grand Isle	0.8	0.4	-0.8	1.1	1.0	0.4	0.1	0.3	-0.3	-0.1	0.1	0.3
HWQ14 - Lake Washington	0.2	0.1	-0.6	1.2	0.8	0.4	0.1	0.0	-0.1	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.7	0.4	0.6	0.9	0.5	0.2	-0.3	-0.6	-0.1	-0.4	0.2	0.7
CRMS 3985	0.2	0.1	0.1	0.8	1.2	0.4	0.0	-0.2	0.0	-0.4	-0.1	0.3
CRMS 0258	0.6	0.5	-0.3	0.9	2.3	1.2	1.2	0.8	0.2	0.1	0.4	0.5
CRMS 0224	1.0	0.8	-0.5	1.2	3.2	1.7	1.3	0.4	-0.2	-0.6	0.4	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.1	-0.2	0.1	0.5	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.3	-0.1	0.2	0.2	-0.3	0.0	0.0

Figure WQ DO 96 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.3	6.6	6.3	6.7	8.1	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.5	10.1	10.5	9.9	8.3	7.4	7.0	7.8	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.5	11.6	10.4	10.2	9.0	10.2	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.2	9.4	8.6	8.0	7.5	7.2	7.3	8.4	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.6	6.1	6.4	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.6	10.4	9.2	8.3	7.2	6.7	6.3	6.7	8.0	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	9.7	9.4	10.6	9.4	8.5	7.5	6.9	6.2	6.4	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.5	10.7	9.7	8.9	7.9	7.8	7.2	7.1	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	9.0	8.6	7.8	6.7	6.2	7.4	6.0	7.7	9.0	8.3
CRMS 3985	11.0	10.2	9.8	8.6	7.4	6.5	6.1	6.1	6.4	7.8	9.5	9.2
CRMS 0258	10.9	9.9	10.4	10.5	10.5	9.8	8.1	7.1	7.1	8.3	9.2	9.2
CRMS 0224	10.3	9.4	10.4	9.8	9.1	8.0	6.9	6.5	6.7	8.3	8.8	8.5
CRMS 0163	11.1	10.6	9.9	9.0	8.0	12.2	14.6	13.4	8.6	9.7	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.8	7.3	8.3	6.8	9.0	8.8	9.5

V3PR5 HYST - cy 2 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	8.8	8.4	8.2	7.7	6.9	6.6	6.6	7.1	8.1	9.1	8.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.7	9.7	10.2	9.8	8.4	7.7	7.2	7.4	9.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.3	11.3	11.7	10.4	9.9	9.0	10.3	10.1	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.1	9.4	8.8	7.8	9.0	9.4	8.6	7.5	8.7	9.3	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.8	9.1	8.4	8.1	6.7	6.3	6.5	7.9	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.7	9.8	9.2	8.6	8.8	7.0	6.6	6.6	8.0	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.5	10.6	9.9	9.6	9.1	8.2	6.6	6.2	6.1	7.3	8.8	9.3
USGS073802516 Barataria Pass at Grand Isle	10.6	10.3	9.9	10.8	10.2	8.9	7.9	7.4	6.6	8.6	9.4	9.3
HWQ14 - Lake Washington	10.9	10.2	9.9	10.1	8.8	7.6	6.3	5.9	6.2	7.4	9.5	9.3
HWQ16 - Bayou Grand Liard	8.7	9.6	9.5	9.5	8.4	6.8	5.9	6.6	6.0	7.3	8.7	8.3
CRMS 3985	11.1	10.4	9.8	9.4	8.9	6.8	5.9	5.8	6.3	7.4	9.5	9.3
CRMS 0258	11.2	10.6	10.2	11.5	13.0	10.7	8.8	7.8	7.3	8.5	9.2	9.6
CRMS 0224	10.9	10.5	10.0	11.0	12.9	9.5	7.7	6.9	6.5	7.7	8.8	9.1
CRMS 0163	11.1	10.6	9.8	9.0	7.9	12.3	14.7	13.9	8.5	9.4	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.7	7.3	7.9	5.9	8.4	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-1.3	-1.9	-1.1	-0.6	-0.4	0.1	0.2	0.4	0.0	-0.8	-1.1
CRMS0276 - Just east of Wilkinson Canal	0.2	0.1	0.1	-0.5	-0.4	-0.1	0.2	0.3	0.2	-0.4	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	-0.2	0.1	0.0	-0.3	0.0	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.2	-0.8	-0.5	-0.8	1.0	1.9	1.4	0.2	0.4	-0.6	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.3	0.2	0.8	1.5	0.5	-0.1	-0.3	-0.2	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.1	-0.5	0.0	0.3	1.6	0.3	0.3	-0.1	-0.1	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.7	1.2	-0.7	0.2	0.6	0.8	-0.3	0.0	-0.3	-0.3	-0.3	0.7
USGS073802516 Barataria Pass at Grand Isle	0.5	0.7	-0.7	1.1	1.3	1.0	0.0	0.2	-0.5	-0.1	0.0	0.2
HWQ14 - Lake Washington	0.1	0.2	-0.5	1.0	0.9	0.6	-0.1	-0.2	-0.2	-0.5	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.3	0.6	0.6	0.8	0.6	0.1	-0.3	-0.8	-0.1	-0.4	-0.3	0.0
CRMS 3985	0.1	0.2	0.1	0.8	1.5	0.4	-0.3	-0.3	-0.1	-0.5	0.0	0.1
CRMS 0258	0.3	0.7	-0.3	1.0	2.6	0.9	0.7	0.7	0.2	0.2	0.0	0.4
CRMS 0224	0.6	1.1	-0.4	1.2	3.8	1.5	0.7	0.4	-0.3	-0.7	0.0	0.7
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.5	-0.1	-0.3	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.3	-1.0	-0.6	0.0	0.0

Figure WQ DO 97 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.0	7.9	6.6	6.3	6.3	6.6	8.0	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.4	9.5	9.2	9.4	9.6	8.6	7.7	7.1	6.5	7.6	8.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.6	10.0	10.5	9.6	9.8	8.6	9.2	9.7	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.0	9.0	8.1	7.4	7.2	7.0	7.1	8.2	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.8	6.6	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.0	6.7	6.2	6.6	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	10.3	9.2	8.5	7.4	6.7	6.0	6.4	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.5	9.5	8.7	7.6	7.4	6.7	7.0	8.5	9.4	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.1	7.9	6.9	6.7	6.3	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.8	8.6	8.0	7.1	6.6	7.1	8.4	6.8	8.0	8.4	8.0
CRMS 3985	11.0	10.2	9.7	9.0	7.6	6.5	6.8	6.4	6.7	7.8	9.6	9.3
CRMS 0258	10.7	9.8	10.1	9.8	9.5	7.6	7.2	6.9	6.7	7.8	9.5	9.4
CRMS 0224	10.3	9.2	10.0	9.2	8.2	7.1	6.6	6.1	6.4	7.9	8.9	8.8
CRMS 0163	10.9	10.7	10.2	9.1	8.2	10.9	12.1	12.0	8.9	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.5	7.8	8.5	8.1	9.0	8.0	7.3	9.0	9.5

V3PR5 HYST - cy 2 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.4	9.3	8.8	7.7	6.9	6.6	6.6	7.1	8.0	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.6	9.6	9.5	9.5	8.6	7.8	6.9	6.5	7.4	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.5	9.8	10.3	10.0	10.0	9.2	9.0	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.6	9.9	9.5	8.2	8.3	9.1	8.7	7.6	8.7	9.3	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.4	8.6	7.1	6.4	6.2	6.6	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.5	10.2	9.4	8.6	7.3	6.7	6.3	6.5	8.0	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.9	10.2	10.6	9.2	8.2	7.3	6.7	5.9	6.2	7.4	8.8	8.9
USGS073802516 Barataria Pass at Grand Isle	10.2	10.1	10.9	9.8	9.3	7.8	7.5	6.7	6.8	8.5	9.5	9.3
HWQ14 - Lake Washington	10.8	10.2	10.6	9.6	8.3	7.1	6.4	6.1	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.4	9.1	8.8	8.2	7.5	6.5	7.0	8.4	6.3	7.2	8.0	8.1
CRMS 3985	11.0	10.3	9.7	8.8	7.8	6.6	6.1	5.9	6.3	7.6	9.5	9.3
CRMS 0258	10.8	10.3	10.8	10.0	10.9	7.8	7.5	7.3	6.9	8.1	9.6	9.6
CRMS 0224	10.4	10.1	10.9	9.7	10.2	7.4	6.8	6.3	6.2	7.7	9.0	9.1
CRMS 0163	11.0	10.7	10.2	9.1	8.2	10.8	12.6	12.3	10.2	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.6	7.8	8.5	8.2	8.7	8.7	7.2	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.6	-1.0	-0.1	-0.2	0.3	0.3	0.3	0.5	0.0	-0.9	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.4	0.1	0.0	0.1	0.1	-0.2	0.1	-0.1	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.2	-0.1	0.4	0.2	0.6	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.7	-0.2	0.4	0.1	0.9	1.9	1.7	0.5	0.5	-0.6	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.1	0.3	1.1	0.5	-0.3	-0.3	-0.1	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	1.0	-0.1	0.3	0.4	0.3	0.1	0.1	0.0	0.0	0.1	0.1
USGS 07380335 - Little Lake Near Cutoff	0.2	1.0	0.2	0.0	-0.3	-0.1	0.0	-0.1	-0.3	0.0	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.6	0.4	0.3	0.6	0.1	0.1	0.0	-0.3	0.0	0.1	0.0
HWQ14 - Lake Washington	0.0	0.2	0.2	0.5	0.3	0.2	-0.3	-0.2	-0.1	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.3	0.2	0.2	0.4	0.0	-0.1	0.0	-0.5	-0.8	-0.3	0.1
CRMS 3985	0.0	0.1	0.0	-0.2	0.3	0.1	-0.7	-0.5	-0.3	-0.2	-0.1	-0.1
CRMS 0258	0.1	0.6	0.8	0.2	1.4	0.2	0.3	0.4	0.2	0.3	0.1	0.2
CRMS 0224	0.1	0.9	0.8	0.4	2.0	0.3	0.2	0.2	-0.3	-0.2	0.2	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.3	1.3	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	-0.1	0.1	0.1	-0.4	0.7	-0.1	0.0	0.0

Figure WQ DO 98 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.2	7.1	6.7	6.7	7.0	8.3	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.9	10.0	10.1	9.9	9.1	8.2	7.6	7.8	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	9.4	10.9	11.0	8.7	9.1	8.4	10.0	10.4	10.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.3	8.4	7.8	7.5	7.4	7.5	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.4	6.1	6.0	6.7	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	10.3	9.1	8.1	7.0	6.6	6.4	6.7	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.3	8.4	7.2	6.7	6.4	6.4	7.6	9.0	8.5
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.6	9.7	8.7	7.9	7.8	7.6	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.8	6.2	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.1	8.9	8.4	7.4	6.7	6.0	5.7	6.1	6.9	8.8	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.4	7.7	9.5	9.2
CRMS 0258	10.9	10.0	10.5	10.4	10.1	10.1	9.7	9.7	7.8	8.7	9.2	8.9
CRMS 0224	10.3	9.5	10.3	9.7	8.7	7.8	7.1	6.6	7.1	8.6	9.1	8.4
CRMS 0163	11.1	10.5	10.0	9.0	8.2	9.2	9.9	14.0	7.9	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.8	6.2	6.6	6.4	7.4	8.8	9.5

V3PR5 HYST - cy 2 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.2	8.7	8.5	8.2	7.7	7.0	6.6	6.7	7.1	8.0	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.2	10.0	10.3	9.7	10.0	9.2	8.6	8.5	7.8	7.8	9.1	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.8	9.6	10.6	10.8	8.7	8.8	8.0	10.1	10.4	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	10.0	9.6	8.9	7.8	6.8	6.4	7.5	8.3	9.1	9.3	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.3	8.3	8.4	7.3	7.4	6.6	7.9	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.7	10.0	9.4	8.5	8.2	7.3	7.8	6.9	8.1	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	11.0	10.6	10.1	9.9	8.2	7.8	6.5	6.4	6.2	7.4	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.9	10.3	10.3	10.8	9.7	9.1	7.8	7.6	7.1	8.7	9.4	9.2
HWQ14 - Lake Washington	10.9	10.2	10.1	10.1	8.5	7.6	6.3	6.0	6.2	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.3	9.7	9.6	9.2	7.9	7.0	6.4	5.9	6.0	6.8	8.2	8.4
CRMS 3985	11.1	10.4	9.8	9.6	8.2	7.0	5.8	5.5	6.3	7.4	9.5	9.2
CRMS 0258	11.5	10.7	10.3	11.3	12.7	13.6	13.5	11.7	8.2	8.8	9.2	9.2
CRMS 0224	11.3	10.6	10.1	11.1	12.4	12.3	11.8	10.1	7.5	8.1	9.0	8.9
CRMS 0163	11.0	10.5	10.0	9.0	8.2	9.5	10.5	14.5	7.7	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.6	6.8	6.2	6.4	6.4	7.5	8.8	9.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-1.4	-1.9	-1.0	-0.5	-0.1	-0.1	0.0	0.1	-0.3	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.6	0.2	0.4	-0.3	-0.1	-0.7	-0.5	0.2	0.2	0.0	-0.6	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	-0.3	-0.2	0.0	-0.2	-0.4	0.2	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.4	0.0	-0.6	-0.4	-0.6	-1.0	-1.1	0.1	0.7	0.5	-0.6	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.2	0.4	0.8	1.9	1.2	1.4	-0.1	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	1.0	-0.3	0.3	0.3	1.1	0.7	1.4	0.2	0.0	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.2	1.1	-0.6	0.6	-0.2	0.7	-0.1	0.0	-0.2	-0.2	-0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.7	0.7	-0.3	1.2	1.0	1.1	0.0	0.0	0.1	-0.1	-0.1	0.1
HWQ14 - Lake Washington	0.1	0.3	-0.3	1.1	0.6	0.8	0.1	0.0	-0.2	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.6	0.7	0.7	0.8	0.5	0.3	0.3	0.2	-0.1	-0.1	-0.5	0.0
CRMS 3985	0.1	0.2	0.1	1.0	0.8	0.6	-0.1	-0.3	-0.1	-0.3	0.0	0.0
CRMS 0258	0.6	0.7	-0.2	1.0	2.6	3.5	3.8	2.1	0.3	0.1	0.0	0.2
CRMS 0224	1.0	1.1	-0.2	1.4	3.7	4.5	4.6	3.5	0.4	-0.5	-0.1	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.6	0.5	-0.3	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.1	0.0	0.1

Figure WQ DO 99 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.1	8.1	7.3	6.9	6.7	6.8	8.2	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.4	9.1	9.2	9.9	8.6	10.8	9.2	8.2	7.6	7.9	10.0	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.8	8.9	7.7	13.2	11.1	10.1	9.2	10.1	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	10.0	9.3	8.5	8.0	7.7	7.6	7.6	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.1	5.9	6.5	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.1	6.7	6.5	6.6	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.7	9.2	10.4	9.2	8.3	7.3	6.8	6.5	6.3	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.6	9.7	8.9	8.0	7.9	7.6	7.0	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.6	9.1	7.9	6.9	6.3	6.0	6.3	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.6	9.1	8.2	7.3	7.2	6.2	5.9	6.0	7.0	9.2	8.4
CRMS 3985	10.9	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.3	7.7	9.5	9.5
CRMS 0258	10.7	9.5	10.2	10.4	10.4	10.8	10.1	9.7	7.7	8.7	9.2	9.3
CRMS 0224	10.3	9.1	9.8	9.6	9.0	8.2	7.3	6.7	7.0	8.6	9.0	8.5
CRMS 0163	10.9	10.7	10.0	9.0	7.8	7.7	12.8	15.0	8.5	9.0	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.7	6.2	7.3	6.5	8.1	8.8	9.4

V3PR5 HYST - cy 2 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.5	8.2	7.4	7.0	6.6	6.6	7.0	8.0	9.1	8.4
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.3	9.5	9.1	10.0	9.1	8.8	7.7	7.7	9.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.9	7.6	12.9	11.0	9.9	9.2	10.0	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.3	9.6	8.9	7.6	6.8	6.4	9.0	8.0	9.0	9.3	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.8	9.0	7.6	9.2	8.4	6.8	6.5	7.9	9.6	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	9.8	9.9	9.0	7.7	8.5	8.0	7.4	6.7	8.0	9.1	9.9
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	9.8	9.2	7.7	8.9	7.1	6.3	6.1	7.4	8.8	9.7
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	9.8	10.5	9.4	9.3	8.4	8.5	7.0	8.7	9.4	9.5
HWQ14 - Lake Washington	10.8	10.1	9.8	10.1	8.8	8.0	6.5	6.1	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.4	8.6	9.2	9.0	7.6	7.5	6.5	5.7	5.9	6.8	8.9	8.8
CRMS 3985	11.0	10.2	9.8	9.3	7.9	7.7	6.0	5.6	6.3	7.4	9.5	9.5
CRMS 0258	10.8	9.7	10.0	11.0	12.2	14.7	13.6	11.2	7.6	8.8	9.2	9.9
CRMS 0224	10.5	9.4	9.8	10.4	11.2	13.4	12.4	8.6	7.2	8.1	8.9	9.6
CRMS 0163	10.9	10.7	10.0	9.0	7.7	7.7	13.3	15.2	8.3	8.9	9.6	10.0
CRMS 0162	10.3	10.1	9.4	8.6	7.4	6.6	6.2	7.0	6.5	7.4	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.4	-1.8	-0.9	-0.7	-0.3	-0.2	-0.1	0.3	-0.2	-0.9	-1.5
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	-0.4	0.6	-0.9	-0.1	0.6	0.1	-0.3	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.1	-0.3	-0.1	-0.2	0.0	0.0	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.5	-0.4	-0.4	-0.9	-1.2	-1.3	1.4	0.3	0.4	-0.7	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.1	0.1	0.1	2.7	2.2	0.8	0.0	-0.1	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.5	-0.1	-0.5	1.4	1.3	0.9	0.1	0.0	0.0	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.6	0.0	-0.6	1.5	0.2	-0.2	-0.2	-0.2	-0.3	1.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.9	0.8	0.5	1.3	0.6	0.9	0.0	-0.1	0.0	0.4
HWQ14 - Lake Washington	0.1	0.1	-0.8	1.0	0.9	1.1	0.2	0.1	-0.2	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	0.8	0.3	0.3	0.3	-0.2	-0.1	-0.2	-0.3	0.5
CRMS 3985	0.1	0.0	0.1	0.5	0.5	1.4	0.1	-0.2	0.0	-0.3	-0.1	0.0
CRMS 0258	0.2	0.1	-0.2	0.5	1.8	4.0	3.5	1.5	0.0	0.1	0.0	0.6
CRMS 0224	0.2	0.3	0.1	0.8	2.2	5.2	5.1	1.9	0.2	-0.5	-0.1	1.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.2	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	-0.2	0.0	-0.6	0.0	0.0

Figure WQ DO 100 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.1	6.5	6.2	6.6	8.1	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.4	10.2	10.3	9.5	8.4	6.9	7.1	7.6	8.8	9.0
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.3	11.1	10.2	9.8	8.0	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.4	8.5	7.7	7.3	7.1	7.1	8.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.5	6.1	6.3	6.7	8.1	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	10.4	9.2	8.2	7.1	6.6	6.2	6.6	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.4	8.5	7.4	6.8	5.9	6.3	7.5	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.7	9.8	8.8	7.8	7.8	6.9	7.0	8.7	9.4	9.2
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.9	6.3	6.0	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	8.9	8.9	8.6	7.6	6.6	6.3	8.5	6.0	7.4	8.1	8.3
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	6.1	6.4	7.8	9.6	9.3
CRMS 0258	10.9	10.0	10.4	10.6	10.3	9.8	7.7	7.0	7.0	8.4	9.7	9.5
CRMS 0224	10.3	9.5	10.5	9.8	8.9	7.6	6.9	6.3	6.7	8.4	9.2	9.1
CRMS 0163	11.0	10.6	9.9	9.0	8.3	10.9	13.8	12.6	7.6	9.1	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	8.1	7.3	8.3	5.9	8.3	9.0	9.2

V3PR6 HYST - cy 2 - 1985 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	9.2	8.2	8.0	7.5	7.0	6.8	6.9	7.3	8.1	8.2	8.2
CRMS0276 - Just east of Wilkinson Canal	10.6	9.8	9.7	10.6	10.7	9.3	8.6	7.3	7.3	7.6	8.9	9.5
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.7	12.3	11.2	10.4	10.0	8.0	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.2	10.1	8.9	8.5	7.7	8.6	9.4	8.2	7.3	8.6	9.1	8.9
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.6	8.8	8.0	8.4	6.8	6.2	6.5	7.8	9.4	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.4	9.5	8.8	8.0	8.2	7.2	6.2	6.3	7.8	9.3	9.5
USGS 07380335 - Little Lake Near Cutoff	11.2	10.4	9.7	8.9	8.5	8.0	6.8	6.1	6.1	7.4	9.4	9.7
USGS073802516 Barataria Pass at Grand Isle	11.1	10.2	9.8	10.7	10.5	8.8	8.1	7.1	6.6	8.6	9.5	9.6
HWQ14 - Lake Washington	11.0	10.2	9.7	10.7	9.2	7.6	6.4	5.9	6.2	7.4	9.6	9.5
HWQ16 - Bayou Grand Liard	10.0	9.5	9.6	9.5	8.4	6.9	6.0	7.8	6.0	6.9	8.6	9.3
CRMS 3985	11.2	10.3	9.7	9.0	8.7	6.8	5.9	5.9	6.3	7.5	9.5	9.6
CRMS 0258	11.5	10.6	10.1	9.3	12.3	11.6	9.1	7.9	7.3	8.6	10.1	10.1
CRMS 0224	11.4	10.4	9.9	9.0	11.4	9.9	8.5	6.6	6.3	7.6	9.5	9.9
CRMS 0163	11.0	10.7	9.9	9.0	8.5	11.0	14.0	13.1	7.5	9.0	9.5	9.9
CRMS 0162	10.3	10.0	9.3	8.5	7.7	7.8	7.0	8.3	6.2	7.9	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-0.9	-2.2	-1.2	-0.7	-0.1	0.3	0.7	0.7	0.0	-1.9	-1.9
CRMS0276 - Just east of Wilkinson Canal	0.9	0.2	0.2	0.4	0.3	-0.2	0.2	0.5	0.3	0.0	0.2	0.5
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.5	0.0	0.1	0.2	0.2	-0.1	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.0	0.1	-1.3	-0.8	-0.8	0.8	2.1	1.1	0.2	0.3	-0.9	-0.8
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.6	-0.2	0.5	1.9	0.7	-0.1	-0.2	-0.3	-0.3	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	0.7	-0.9	-0.4	-0.2	1.1	0.6	0.0	-0.3	-0.2	0.2	0.4
USGS 07380335 - Little Lake Near Cutoff	1.4	0.9	-0.9	-0.4	0.0	0.6	0.0	0.1	-0.2	-0.1	0.6	0.9
USGS073802516 Barataria Pass at Grand Isle	1.0	0.6	-1.0	0.9	1.7	1.0	0.3	0.2	-0.4	-0.1	0.1	0.4
HWQ14 - Lake Washington	0.2	0.2	-0.7	1.7	1.3	0.7	0.1	-0.1	-0.1	-0.4	-0.1	0.2
HWQ16 - Bayou Grand Liard	1.3	0.6	0.8	0.9	0.8	0.3	-0.3	-0.8	0.0	-0.4	0.5	1.0
CRMS 3985	0.2	0.1	0.1	0.3	1.3	0.4	0.0	-0.3	-0.1	-0.3	-0.1	0.4
CRMS 0258	0.7	0.6	-0.3	-1.3	2.0	1.8	1.3	0.9	0.3	0.1	0.3	0.6
CRMS 0224	1.1	0.9	-0.5	-0.8	2.5	2.3	1.6	0.4	-0.4	-0.8	0.3	0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.2	0.0	0.3	0.6	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.4	-0.3	0.0	0.3	-0.4	0.0	0.0

Figure WQ DO 101 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.3	6.6	6.3	6.7	8.1	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.5	10.1	10.5	9.9	8.3	7.4	7.0	7.8	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.5	11.6	10.4	10.2	9.0	10.2	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.2	9.4	8.6	8.0	7.5	7.2	7.3	8.4	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.6	6.1	6.4	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.6	10.4	9.2	8.3	7.2	6.7	6.3	6.7	8.0	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	9.7	9.4	10.6	9.4	8.5	7.5	6.9	6.2	6.4	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.5	10.7	9.7	8.9	7.9	7.8	7.2	7.1	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	9.0	8.6	7.8	6.7	6.2	7.4	6.0	7.7	9.0	8.3
CRMS 3985	11.0	10.2	9.8	8.6	7.4	6.5	6.1	6.1	6.4	7.8	9.5	9.2
CRMS 0258	10.9	9.9	10.4	10.5	10.5	9.8	8.1	7.1	7.1	8.3	9.2	9.2
CRMS 0224	10.3	9.4	10.4	9.8	9.1	8.0	6.9	6.5	6.7	8.3	8.8	8.5
CRMS 0163	11.1	10.6	9.9	9.0	8.0	12.2	14.6	13.4	8.6	9.7	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.8	7.3	8.3	6.8	9.0	8.8	9.5

V3PR6 HYST - cy 2 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	8.5	8.2	8.0	7.6	7.1	6.9	7.0	7.5	8.2	9.2	8.7
CRMS0276 - Just east of Wilkinson Canal	9.9	10.1	9.7	10.5	10.4	9.9	8.4	7.8	7.2	7.6	9.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.6	11.6	11.8	10.6	10.2	9.1	10.4	10.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.6	8.9	8.5	7.7	8.9	9.5	8.4	7.5	8.7	9.0	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.6	8.8	7.5	8.1	6.6	6.2	6.5	7.8	9.5	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.4	9.5	8.7	7.6	8.4	6.9	6.3	6.3	7.8	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.8	10.7	9.7	8.9	7.8	8.6	7.0	6.3	6.1	7.4	8.8	9.5
USGS073802516 Barataria Pass at Grand Isle	10.7	10.4	9.8	10.7	10.5	9.0	7.8	7.3	6.6	8.6	9.3	9.4
HWQ14 - Lake Washington	10.9	10.3	9.8	10.7	10.0	8.0	6.4	5.9	6.2	7.4	9.5	9.4
HWQ16 - Bayou Grand Liard	8.9	10.0	9.7	9.4	8.6	7.1	5.9	6.6	6.0	7.2	8.7	8.5
CRMS 3985	11.1	10.5	9.8	9.0	8.0	7.0	5.9	5.9	6.3	7.4	9.5	9.5
CRMS 0258	11.3	10.8	10.1	9.2	9.6	10.9	8.9	7.9	7.3	8.5	9.1	9.7
CRMS 0224	11.1	10.7	9.9	9.0	8.3	10.4	7.6	6.8	6.4	7.6	8.7	9.3
CRMS 0163	11.1	10.6	9.9	9.0	8.0	12.4	14.7	13.8	8.4	9.4	9.6	10.0
CRMS 0162	10.5	9.9	9.3	8.6	7.6	8.6	7.2	7.6	6.0	8.2	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.5	-1.5	-2.1	-1.2	-0.7	-0.2	0.3	0.7	0.8	0.1	-0.8	-1.2
CRMS0276 - Just east of Wilkinson Canal	0.3	0.4	0.2	0.3	-0.1	0.0	0.2	0.4	0.2	-0.3	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.5	0.1	0.2	0.2	0.0	0.1	0.2	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.1	-0.3	-1.3	-0.8	-0.9	1.0	2.0	1.1	0.2	0.4	-0.9	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.6	-0.1	0.0	1.5	0.5	-0.2	-0.3	-0.3	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	0.8	-0.9	-0.4	-0.7	1.2	0.3	0.0	-0.4	-0.2	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	1.1	1.3	-0.9	-0.5	-0.8	1.1	0.0	0.1	-0.3	-0.2	-0.3	0.9
USGS073802516 Barataria Pass at Grand Isle	0.6	0.9	-0.9	1.0	1.6	1.1	0.0	0.1	-0.5	-0.1	0.0	0.3
HWQ14 - Lake Washington	0.1	0.3	-0.6	1.7	2.0	1.0	0.0	-0.2	-0.2	-0.5	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.5	1.0	0.7	0.8	0.8	0.4	-0.3	-0.8	-0.1	-0.5	-0.3	0.2
CRMS 3985	0.2	0.3	0.0	0.3	0.6	0.5	-0.2	-0.2	-0.1	-0.4	0.0	0.3
CRMS 0258	0.4	0.9	-0.4	-1.3	-0.9	1.2	0.8	0.8	0.3	0.2	-0.1	0.5
CRMS 0224	0.8	1.3	-0.5	-0.8	-0.8	2.4	0.6	0.3	-0.4	-0.8	-0.1	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	-0.3	-0.3	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.7	-0.8	-0.8	0.0	0.0

Figure WQ DO 102 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.0	7.9	6.6	6.3	6.3	6.6	8.0	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.4	9.5	9.2	9.4	9.6	8.6	7.7	7.1	6.5	7.6	8.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.6	10.0	10.5	9.6	9.8	8.6	9.2	9.7	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.0	9.0	8.1	7.4	7.2	7.0	7.1	8.2	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.8	6.6	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.0	6.7	6.2	6.6	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	10.3	9.2	8.5	7.4	6.7	6.0	6.4	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.5	9.5	8.7	7.6	7.4	6.7	7.0	8.5	9.4	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.1	7.9	6.9	6.7	6.3	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.8	8.6	8.0	7.1	6.6	7.1	8.4	6.8	8.0	8.4	8.0
CRMS 3985	11.0	10.2	9.7	9.0	7.6	6.5	6.8	6.4	6.7	7.8	9.6	9.3
CRMS 0258	10.7	9.8	10.1	9.8	9.5	7.6	7.2	6.9	6.7	7.8	9.5	9.4
CRMS 0224	10.3	9.2	10.0	9.2	8.2	7.1	6.6	6.1	6.4	7.9	8.9	8.8
CRMS 0163	10.9	10.7	10.2	9.1	8.2	10.9	12.1	12.0	8.9	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.5	7.8	8.5	8.1	9.0	8.0	7.3	9.0	9.5

V3PR6 HYST - cy 2 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.2	9.2	8.8	7.6	7.0	6.9	7.2	7.8	8.0	9.2	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.7	9.4	9.4	8.7	7.9	6.9	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.5	9.9	10.5	10.1	10.1	9.8	9.1	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.4	9.7	9.3	8.0	8.1	8.4	7.8	7.1	8.3	9.1	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.8	9.3	8.4	7.2	6.5	6.2	6.7	7.9	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	10.6	10.0	9.3	8.2	7.4	6.7	6.0	6.3	7.9	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.0	10.6	10.3	9.3	8.0	7.6	7.0	6.0	6.2	7.6	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.3	10.2	10.9	9.7	9.5	7.9	7.5	6.7	6.7	8.5	9.4	9.3
HWQ14 - Lake Washington	10.8	10.2	10.6	9.5	8.4	7.1	6.4	6.1	6.4	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.4	9.3	8.9	8.2	7.7	6.6	7.0	8.4	6.2	7.1	8.0	8.1
CRMS 3985	11.0	10.4	9.7	8.8	8.0	6.7	6.1	6.0	6.4	7.5	9.5	9.2
CRMS 0258	10.8	10.6	10.7	10.1	11.3	7.9	7.6	7.3	6.9	7.9	9.6	9.6
CRMS 0224	10.4	10.5	10.7	9.8	10.9	7.5	6.9	6.3	6.3	7.8	9.0	9.0
CRMS 0163	11.0	10.7	10.2	9.1	8.2	10.9	12.7	12.5	10.6	8.3	9.5	10.0
CRMS 0162	10.4	10.1	9.6	8.6	7.9	8.5	8.1	8.6	8.9	7.3	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.8	-1.0	-0.2	-0.3	0.4	0.6	0.9	1.2	0.0	-0.9	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.5	0.0	-0.2	0.1	0.1	-0.2	0.0	0.0	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.1	0.0	0.5	0.3	1.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.5	-0.3	0.2	-0.1	0.7	1.2	0.8	0.1	0.1	-0.8	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.1	0.3	0.9	0.6	-0.3	-0.3	-0.1	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	1.1	-0.3	0.2	0.1	0.4	0.0	-0.2	-0.2	-0.1	0.1	0.1
USGS 07380335 - Little Lake Near Cutoff	0.3	1.3	0.0	0.1	-0.5	0.3	0.2	0.0	-0.3	0.2	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.8	0.3	0.3	0.9	0.2	0.1	-0.1	-0.3	0.0	0.0	0.0
HWQ14 - Lake Washington	0.0	0.2	0.2	0.4	0.5	0.2	-0.2	-0.2	-0.1	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.6	0.4	0.2	0.5	0.0	-0.1	0.0	-0.5	-0.9	-0.3	0.1
CRMS 3985	0.0	0.2	0.0	-0.2	0.4	0.2	-0.7	-0.4	-0.3	-0.3	-0.1	-0.1
CRMS 0258	0.1	0.8	0.6	0.3	1.8	0.3	0.4	0.4	0.2	0.1	0.2	0.2
CRMS 0224	0.2	1.2	0.7	0.6	2.7	0.4	0.3	0.2	-0.2	-0.2	0.1	0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.6	0.5	1.7	0.0	0.0	0.0
CRMS 0162	0.1	0.0	0.0	0.1	0.1	0.0	0.1	-0.5	0.9	0.0	0.0	0.0

Figure WQ DO 103 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.2	7.1	6.7	6.7	7.0	8.3	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.9	10.0	10.1	9.9	9.1	8.2	7.6	7.8	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	9.4	10.9	11.0	8.7	9.1	8.4	10.0	10.4	10.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.3	8.4	7.8	7.5	7.4	7.5	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.4	6.1	6.0	6.7	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	10.3	9.1	8.1	7.0	6.6	6.4	6.7	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.3	8.4	7.2	6.7	6.4	6.4	7.6	9.0	8.5
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.6	9.7	8.7	7.9	7.8	7.6	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.8	6.2	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.1	8.9	8.4	7.4	6.7	6.0	5.7	6.1	6.9	8.8	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.4	7.7	9.5	9.2
CRMS 0258	10.9	10.0	10.5	10.4	10.1	10.1	9.7	9.7	7.8	8.7	9.2	8.9
CRMS 0224	10.3	9.5	10.3	9.7	8.7	7.8	7.1	6.6	7.1	8.6	9.1	8.4
CRMS 0163	11.1	10.5	10.0	9.0	8.2	9.2	9.9	14.0	7.9	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.8	6.2	6.6	6.4	7.4	8.8	9.5

V3PR6 HYST - cy 2 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.1	7.6	6.9	6.6	6.8	7.3	8.1	9.2	9.5
CRMS0276 - Just east of Wilkinson Canal	10.5	10.2	10.1	10.4	9.7	9.1	7.9	8.7	8.0	7.9	9.1	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	10.2	10.7	11.0	9.3	9.0	8.2	10.2	10.4	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	10.4	9.4	9.3	8.6	7.8	6.8	6.4	7.3	8.1	8.9	9.1	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.8	9.0	7.9	7.1	6.4	7.2	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.3	9.7	8.9	7.8	6.9	6.2	6.7	6.7	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.3	10.6	9.9	9.1	8.1	7.0	6.0	6.2	6.2	7.6	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	11.1	10.5	9.9	10.6	9.4	9.3	8.0	7.8	7.2	8.6	9.4	9.2
HWQ14 - Lake Washington	11.0	10.4	9.9	10.5	8.8	7.9	6.4	6.1	6.2	7.4	9.5	9.3
HWQ16 - Bayou Grand Liard	9.8	10.1	9.7	9.4	7.9	7.2	6.4	6.0	6.0	6.7	8.2	8.4
CRMS 3985	11.2	10.5	9.8	9.1	7.8	7.0	6.0	5.7	6.2	7.4	9.5	9.2
CRMS 0258	11.6	10.7	10.2	9.6	10.5	13.7	13.7	13.1	8.2	8.7	9.2	9.1
CRMS 0224	11.4	10.7	10.0	9.4	9.4	10.3	8.9	11.7	7.4	7.8	8.9	8.7
CRMS 0163	11.0	10.5	10.0	9.0	8.3	10.2	11.7	15.0	7.7	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.6	6.8	6.2	6.3	6.4	7.6	8.9	9.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-1.6	-2.1	-1.2	-0.6	-0.2	-0.1	0.2	0.4	-0.3	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.8	0.4	0.1	0.4	-0.5	-0.8	-1.2	0.5	0.3	0.1	-0.7	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.8	-0.1	0.0	0.5	0.0	-0.2	0.2	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.8	-0.6	-0.9	-0.7	-0.6	-1.0	-1.1	0.0	0.5	0.3	-0.9	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.3	0.0	0.4	0.6	0.3	1.2	0.0	-0.2	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	0.6	-0.6	-0.2	-0.3	-0.2	-0.4	0.3	0.0	-0.2	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.4	1.1	-0.7	-0.2	-0.3	-0.1	-0.6	-0.2	-0.1	-0.1	-0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.9	0.9	-0.7	1.0	0.7	1.4	0.2	0.3	0.3	-0.2	-0.1	0.1
HWQ14 - Lake Washington	0.2	0.4	-0.5	1.5	0.9	1.0	0.1	0.1	-0.2	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	1.2	1.0	0.8	1.0	0.5	0.5	0.3	0.3	-0.1	-0.2	-0.6	0.0
CRMS 3985	0.2	0.3	0.1	0.5	0.5	0.7	0.1	-0.1	-0.1	-0.3	-0.1	0.0
CRMS 0258	0.7	0.8	-0.3	-0.7	0.4	3.6	4.0	3.4	0.3	0.0	0.0	0.2
CRMS 0224	1.1	1.2	-0.3	-0.3	0.6	2.5	1.8	5.0	0.3	-0.8	-0.2	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.9	1.8	1.0	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.2	0.1	0.1

Figure WQ DO 104 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.1	8.1	7.3	6.9	6.7	6.8	8.2	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.4	9.1	9.2	9.9	8.6	10.8	9.2	8.2	7.6	7.9	10.0	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.8	8.9	7.7	13.2	11.1	10.1	9.2	10.1	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	10.0	9.3	8.5	8.0	7.7	7.6	7.6	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.1	5.9	6.5	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.1	6.7	6.5	6.6	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.7	9.2	10.4	9.2	8.3	7.3	6.8	6.5	6.3	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.6	9.7	8.9	8.0	7.9	7.6	7.0	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.6	9.1	7.9	6.9	6.3	6.0	6.3	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.6	9.1	8.2	7.3	7.2	6.2	5.9	6.0	7.0	9.2	8.4
CRMS 3985	10.9	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.3	7.7	9.5	9.5
CRMS 0258	10.7	9.5	10.2	10.4	10.4	10.8	10.1	9.7	7.7	8.7	9.2	9.3
CRMS 0224	10.3	9.1	9.8	9.6	9.0	8.2	7.3	6.7	7.0	8.6	9.0	8.5
CRMS 0163	10.9	10.7	10.0	9.0	7.8	7.7	12.8	15.0	8.5	9.0	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.7	6.2	7.3	6.5	8.1	8.8	9.4

V3PR6 HYST - cy 2 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.3	8.0	7.2	7.0	6.6	6.9	7.5	8.1	9.1	8.2
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.4	9.7	8.8	10.2	8.7	9.0	7.8	7.7	9.9	9.2
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	9.0	7.7	13.1	11.1	10.1	9.3	10.0	10.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.2	9.2	8.6	7.5	6.9	6.4	8.7	7.8	8.9	9.0	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.7	8.8	7.2	6.7	6.9	7.0	6.6	7.8	9.5	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	9.8	9.6	8.8	7.3	6.7	6.5	7.6	6.5	7.9	9.1	9.7
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	9.8	8.8	7.3	7.2	6.4	6.9	6.2	7.4	8.8	9.8
USGS073802516 Barataria Pass at Grand Isle	10.2	9.6	9.7	10.1	8.4	10.6	8.9	8.8	7.1	8.6	9.4	9.6
HWQ14 - Lake Washington	10.8	10.1	9.7	10.1	8.1	8.8	6.8	6.2	6.1	7.4	9.5	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	9.4	9.0	7.6	8.0	6.5	5.8	5.9	6.8	8.8	9.1
CRMS 3985	11.0	10.2	9.8	8.9	7.3	7.7	6.4	5.7	6.3	7.4	9.4	9.7
CRMS 0258	10.8	9.6	10.0	9.3	8.5	12.1	14.5	11.0	7.6	8.6	9.2	10.0
CRMS 0224	10.4	9.4	9.9	9.0	7.7	8.4	10.7	8.9	7.0	7.7	8.8	9.8
CRMS 0163	10.9	10.7	10.0	9.0	7.7	8.1	14.5	15.4	8.3	8.9	9.6	10.0
CRMS 0162	10.3	10.1	9.4	8.6	7.4	6.7	6.2	7.0	6.6	7.3	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.4	-2.0	-1.2	-0.9	-0.3	-0.3	0.2	0.7	-0.1	-0.9	-1.7
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.3	-0.1	0.3	-0.6	-0.5	0.8	0.1	-0.3	-0.1	0.4
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.0	-0.1	0.0	0.0	0.1	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.3	-0.8	-0.7	-1.0	-1.1	-1.3	1.1	0.2	0.3	-0.9	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.3	-0.2	-0.2	0.2	0.8	1.1	0.1	-0.2	-0.1	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.7	-0.4	-0.9	-0.4	-0.2	1.1	-0.1	-0.2	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.6	-0.4	-1.0	-0.2	-0.4	0.4	-0.2	-0.1	-0.2	1.3
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.9	0.4	-0.5	2.6	1.0	1.2	0.1	-0.1	-0.1	0.5
HWQ14 - Lake Washington	0.1	0.1	-0.9	1.1	0.3	2.0	0.5	0.2	-0.2	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.3	0.8	0.2	0.8	0.3	-0.1	-0.1	-0.2	-0.3	0.7
CRMS 3985	0.1	0.0	0.1	0.1	0.0	1.4	0.5	-0.1	0.0	-0.3	-0.1	0.1
CRMS 0258	0.1	0.1	-0.2	-1.2	-1.9	1.3	4.4	1.3	-0.1	-0.1	-0.1	0.7
CRMS 0224	0.1	0.3	0.1	-0.6	-1.4	0.1	3.4	2.2	0.1	-0.9	-0.2	1.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.4	1.7	0.5	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	-0.3	0.1	-0.8	0.0	0.0

Figure WQ DO 105 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.1	6.5	6.2	6.6	8.1	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.4	10.2	10.3	9.5	8.4	6.9	7.1	7.6	8.8	9.0
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.3	11.1	10.2	9.8	8.0	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.4	8.5	7.7	7.3	7.1	7.1	8.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.5	6.1	6.3	6.7	8.1	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	10.4	9.2	8.2	7.1	6.6	6.2	6.6	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.4	8.5	7.4	6.8	5.9	6.3	7.5	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.7	9.8	8.8	7.8	7.8	6.9	7.0	8.7	9.4	9.2
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.9	6.3	6.0	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	8.9	8.9	8.6	7.6	6.6	6.3	8.5	6.0	7.4	8.1	8.3
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	6.1	6.4	7.8	9.6	9.3
CRMS 0258	10.9	10.0	10.4	10.6	10.3	9.8	7.7	7.0	7.0	8.4	9.7	9.5
CRMS 0224	10.3	9.5	10.5	9.8	8.9	7.6	6.9	6.3	6.7	8.4	9.2	9.1
CRMS 0163	11.0	10.6	9.9	9.0	8.3	10.9	13.8	12.6	7.6	9.1	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	8.1	7.3	8.3	5.9	8.3	9.0	9.2

V3PR7 HYST - cy 2 - 1985 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	9.2	8.2	8.0	7.5	7.1	7.0	7.0	7.4	8.1	8.2	8.2
CRMS0276 - Just east of Wilkinson Canal	10.6	9.8	9.7	10.6	10.6	9.2	8.6	7.3	7.3	7.5	8.9	9.5
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.8	12.3	11.2	10.3	10.0	8.0	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.4	10.2	9.1	8.6	7.8	8.5	9.7	8.8	7.1	8.4	9.2	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	9.6	8.8	8.0	8.5	6.8	6.3	6.5	7.8	9.4	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.4	9.5	8.8	8.0	8.2	7.2	6.2	6.3	7.8	9.3	9.5
USGS 07380335 - Little Lake Near Cutoff	11.2	10.4	9.7	8.9	8.5	8.0	6.9	6.1	6.1	7.4	9.4	9.7
USGS073802516 Barataria Pass at Grand Isle	11.1	10.2	9.7	10.7	10.5	8.8	8.1	7.1	6.6	8.6	9.5	9.6
HWQ14 - Lake Washington	11.0	10.2	9.7	10.7	9.2	7.6	6.4	6.0	6.2	7.4	9.6	9.5
HWQ16 - Bayou Grand Liard	10.0	9.5	9.7	9.5	8.4	6.8	6.0	7.8	6.0	7.0	8.5	9.3
CRMS 3985	11.2	10.3	9.7	9.0	8.7	6.8	5.9	5.9	6.3	7.4	9.5	9.6
CRMS 0258	11.5	10.6	10.1	9.3	12.3	11.6	9.1	7.9	7.2	8.6	10.1	10.1
CRMS 0224	11.4	10.4	9.9	9.0	11.4	10.0	8.5	6.7	6.3	7.6	9.5	9.9
CRMS 0163	11.0	10.7	9.9	9.0	8.5	11.0	14.0	13.2	7.4	9.0	9.5	9.9
CRMS 0162	10.3	10.0	9.2	8.5	7.7	7.9	7.0	8.4	6.2	8.0	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-0.9	-2.2	-1.2	-0.7	-0.1	0.4	0.8	0.8	0.0	-1.9	-1.9
CRMS0276 - Just east of Wilkinson Canal	0.9	0.2	0.2	0.4	0.3	-0.3	0.2	0.5	0.3	0.0	0.2	0.5
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.6	0.0	0.1	0.1	0.2	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.7	0.2	-1.1	-0.8	-0.7	0.8	2.4	1.8	-0.1	0.0	-0.8	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.6	-0.2	0.5	2.0	0.7	0.0	-0.2	-0.3	-0.3	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.7	-1.0	-0.4	-0.2	1.1	0.6	0.1	-0.3	-0.2	0.2	0.4
USGS 07380335 - Little Lake Near Cutoff	1.4	0.9	-0.9	-0.4	0.0	0.6	0.1	0.2	-0.2	-0.1	0.6	0.9
USGS073802516 Barataria Pass at Grand Isle	1.0	0.6	-1.0	0.9	1.7	1.0	0.3	0.3	-0.4	-0.2	0.1	0.4
HWQ14 - Lake Washington	0.2	0.2	-0.7	1.7	1.3	0.7	0.1	-0.1	-0.1	-0.4	-0.1	0.2
HWQ16 - Bayou Grand Liard	1.3	0.6	0.8	0.8	0.8	0.3	-0.3	-0.8	0.0	-0.4	0.5	1.0
CRMS 3985	0.2	0.1	0.1	0.3	1.3	0.4	0.0	-0.3	-0.1	-0.4	-0.1	0.4
CRMS 0258	0.7	0.6	-0.4	-1.2	2.0	1.8	1.3	0.9	0.3	0.1	0.3	0.6
CRMS 0224	1.1	0.9	-0.5	-0.8	2.6	2.4	1.6	0.4	-0.4	-0.8	0.3	0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.2	0.1	0.2	0.6	-0.2	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.2	-0.3	0.1	0.4	-0.3	0.0	0.0

Figure WQ DO 106 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.3	6.6	6.3	6.7	8.1	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.5	10.1	10.5	9.9	8.3	7.4	7.0	7.8	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.5	11.6	10.4	10.2	9.0	10.2	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.2	9.4	8.6	8.0	7.5	7.2	7.3	8.4	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.6	6.1	6.4	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.6	10.4	9.2	8.3	7.2	6.7	6.3	6.7	8.0	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	9.7	9.4	10.6	9.4	8.5	7.5	6.9	6.2	6.4	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.5	10.7	9.7	8.9	7.9	7.8	7.2	7.1	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	9.0	8.6	7.8	6.7	6.2	7.4	6.0	7.7	9.0	8.3
CRMS 3985	11.0	10.2	9.8	8.6	7.4	6.5	6.1	6.1	6.4	7.8	9.5	9.2
CRMS 0258	10.9	9.9	10.4	10.5	10.5	9.8	8.1	7.1	7.1	8.3	9.2	9.2
CRMS 0224	10.3	9.4	10.4	9.8	9.1	8.0	6.9	6.5	6.7	8.3	8.8	8.5
CRMS 0163	11.1	10.6	9.9	9.0	8.0	12.2	14.6	13.4	8.6	9.7	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.8	7.3	8.3	6.8	9.0	8.8	9.5

V3PR7 HYST - cy 2 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	8.5	8.2	8.0	7.6	7.1	7.0	7.1	7.6	8.2	9.2	8.7
CRMS0276 - Just east of Wilkinson Canal	9.9	10.1	9.7	10.5	10.4	9.9	8.4	7.8	7.2	7.5	9.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.7	11.6	11.7	10.5	10.1	9.0	10.4	10.1	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.8	9.1	8.6	7.7	9.0	9.5	8.9	7.1	8.4	8.9	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.6	8.8	7.5	8.0	6.6	6.2	6.4	7.8	9.5	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.4	9.5	8.7	7.6	8.3	6.9	6.3	6.3	7.8	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.8	10.7	9.7	8.9	7.7	8.6	6.9	6.3	6.1	7.4	8.9	9.5
USGS073802516 Barataria Pass at Grand Isle	10.7	10.5	9.8	10.7	10.5	9.0	7.8	7.3	6.5	8.5	9.3	9.3
HWQ14 - Lake Washington	10.9	10.4	9.8	10.7	10.0	8.0	6.3	5.9	6.2	7.4	9.5	9.3
HWQ16 - Bayou Grand Liard	8.9	10.0	9.7	9.4	8.6	7.1	5.9	6.6	6.0	7.2	8.7	8.5
CRMS 3985	11.1	10.5	9.7	9.0	8.0	7.0	5.9	5.9	6.3	7.4	9.5	9.4
CRMS 0258	11.3	10.8	10.1	9.2	9.7	10.9	9.0	8.0	7.3	8.5	9.1	9.7
CRMS 0224	11.1	10.7	9.9	9.0	8.3	10.4	7.6	6.8	6.3	7.6	8.7	9.3
CRMS 0163	11.1	10.6	9.9	9.0	8.0	12.1	14.7	13.8	8.4	9.5	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.6	7.1	7.4	6.0	8.2	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.4	-1.5	-2.1	-1.2	-0.7	-0.2	0.4	0.8	0.9	0.1	-0.7	-1.2
CRMS0276 - Just east of Wilkinson Canal	0.3	0.4	0.2	0.4	-0.1	0.0	0.2	0.4	0.2	-0.3	-0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.6	0.2	0.1	0.1	-0.1	0.0	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	-0.1	-1.1	-0.7	-0.9	1.0	2.0	1.6	-0.2	0.0	-0.9	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.6	-0.1	0.0	1.5	0.5	-0.2	-0.4	-0.3	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	0.8	-0.9	-0.4	-0.7	1.1	0.2	0.0	-0.4	-0.3	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	1.1	1.3	-0.9	-0.5	-0.8	1.1	0.0	0.1	-0.3	-0.2	-0.2	0.9
USGS073802516 Barataria Pass at Grand Isle	0.6	0.9	-0.9	1.0	1.6	1.1	0.0	0.1	-0.6	-0.2	-0.1	0.2
HWQ14 - Lake Washington	0.1	0.4	-0.6	1.7	2.1	1.0	-0.1	-0.2	-0.2	-0.5	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.5	1.0	0.7	0.7	0.8	0.4	-0.3	-0.8	-0.1	-0.5	-0.3	0.2
CRMS 3985	0.2	0.3	0.0	0.3	0.6	0.5	-0.2	-0.3	-0.1	-0.4	0.0	0.2
CRMS 0258	0.4	0.9	-0.4	-1.3	-0.8	1.1	0.9	0.8	0.2	0.1	-0.1	0.5
CRMS 0224	0.8	1.3	-0.5	-0.8	-0.8	2.3	0.6	0.3	-0.5	-0.8	-0.1	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.3	-0.3	-0.2	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.2	-0.3	-0.9	-0.8	-0.8	0.0	0.0

Figure WQ DO 107 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.0	7.9	6.6	6.3	6.3	6.6	8.0	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.4	9.5	9.2	9.4	9.6	8.6	7.7	7.1	6.5	7.6	8.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.6	10.0	10.5	9.6	9.8	8.6	9.2	9.7	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.0	9.0	8.1	7.4	7.2	7.0	7.1	8.2	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.8	6.6	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.0	6.7	6.2	6.6	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	10.3	9.2	8.5	7.4	6.7	6.0	6.4	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.5	9.5	8.7	7.6	7.4	6.7	7.0	8.5	9.4	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.1	7.9	6.9	6.7	6.3	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.8	8.6	8.0	7.1	6.6	7.1	8.4	6.8	8.0	8.4	8.0
CRMS 3985	11.0	10.2	9.7	9.0	7.6	6.5	6.8	6.4	6.7	7.8	9.6	9.3
CRMS 0258	10.7	9.8	10.1	9.8	9.5	7.6	7.2	6.9	6.7	7.8	9.5	9.4
CRMS 0224	10.3	9.2	10.0	9.2	8.2	7.1	6.6	6.1	6.4	7.9	8.9	8.8
CRMS 0163	10.9	10.7	10.2	9.1	8.2	10.9	12.1	12.0	8.9	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.5	7.8	8.5	8.1	9.0	8.0	7.3	9.0	9.5

V3PR7 HYST - cy 2 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.2	9.2	8.8	7.6	7.1	7.0	7.3	8.0	8.0	9.2	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.7	9.4	9.4	8.6	7.9	7.0	6.5	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.6	10.0	10.5	9.9	10.1	9.8	9.1	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.5	9.7	9.2	8.1	8.4	9.0	8.4	7.0	8.2	9.1	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.8	9.3	8.4	7.2	6.5	6.2	6.6	7.9	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	10.6	10.0	9.3	8.2	7.4	6.7	6.0	6.3	7.8	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.0	10.6	10.3	9.3	8.0	7.6	6.9	6.0	6.1	7.5	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.3	10.2	10.9	9.7	9.5	7.8	7.5	6.6	6.7	8.5	9.4	9.3
HWQ14 - Lake Washington	10.8	10.2	10.6	9.5	8.4	7.1	6.4	6.1	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.4	9.3	9.0	8.2	7.7	6.6	6.9	8.6	6.2	7.1	8.0	8.1
CRMS 3985	11.0	10.4	9.7	8.8	8.0	6.7	6.1	6.0	6.4	7.6	9.5	9.2
CRMS 0258	10.8	10.6	10.6	10.1	11.3	7.9	7.6	7.4	6.9	7.9	9.6	9.5
CRMS 0224	10.4	10.5	10.7	9.8	10.9	7.5	6.9	6.3	6.2	7.8	9.0	9.0
CRMS 0163	11.0	10.7	10.2	9.1	8.2	10.9	12.6	12.5	10.6	8.4	9.5	10.0
CRMS 0162	10.4	10.1	9.6	8.6	7.8	8.6	8.2	8.3	9.0	7.3	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.8	-1.0	-0.2	-0.3	0.5	0.7	1.0	1.4	0.1	-0.9	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.5	0.0	-0.2	0.1	0.2	-0.1	0.0	-0.1	-0.2	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	-0.1	0.0	0.3	0.3	1.2	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.6	-0.3	0.2	-0.1	1.0	1.8	1.4	-0.1	0.0	-0.8	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.1	0.3	0.9	0.6	-0.3	-0.3	-0.1	-0.3	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	1.1	-0.3	0.2	0.0	0.4	0.0	-0.2	-0.3	-0.1	0.1	0.1
USGS 07380335 - Little Lake Near Cutoff	0.3	1.3	0.0	0.1	-0.5	0.2	0.2	0.0	-0.3	0.2	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.8	0.3	0.3	0.8	0.2	0.1	-0.1	-0.4	0.0	0.1	0.0
HWQ14 - Lake Washington	0.0	0.2	0.2	0.4	0.5	0.2	-0.3	-0.2	-0.1	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.6	0.4	0.2	0.5	0.0	-0.1	0.2	-0.6	-0.9	-0.3	0.1
CRMS 3985	0.0	0.2	0.0	-0.2	0.4	0.2	-0.7	-0.4	-0.3	-0.3	-0.1	-0.1
CRMS 0258	0.1	0.8	0.6	0.3	1.8	0.3	0.4	0.5	0.2	0.1	0.2	0.1
CRMS 0224	0.2	1.2	0.7	0.6	2.7	0.5	0.3	0.2	-0.2	-0.2	0.1	0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	1.7	0.0	0.0	0.0
CRMS 0162	0.1	0.0	0.0	0.1	-0.1	0.1	0.1	-0.7	1.0	0.0	0.0	0.0

Figure WQ DO 108 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.2	7.1	6.7	6.7	7.0	8.3	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.9	10.0	10.1	9.9	9.1	8.2	7.6	7.8	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	9.4	10.9	11.0	8.7	9.1	8.4	10.0	10.4	10.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.3	8.4	7.8	7.5	7.4	7.5	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.4	6.1	6.0	6.7	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	10.3	9.1	8.1	7.0	6.6	6.4	6.7	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.3	8.4	7.2	6.7	6.4	6.4	7.6	9.0	8.5
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.6	9.7	8.7	7.9	7.8	7.6	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.8	6.2	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.1	8.9	8.4	7.4	6.7	6.0	5.7	6.1	6.9	8.8	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.4	7.7	9.5	9.2
CRMS 0258	10.9	10.0	10.5	10.4	10.1	10.1	9.7	9.7	7.8	8.7	9.2	8.9
CRMS 0224	10.3	9.5	10.3	9.7	8.7	7.8	7.1	6.6	7.1	8.6	9.1	8.4
CRMS 0163	11.1	10.5	10.0	9.0	8.2	9.2	9.9	14.0	7.9	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.8	6.2	6.6	6.4	7.4	8.8	9.5

V3PR7 HYST - cy 2 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.1	7.6	6.9	6.6	6.9	7.5	8.1	9.2	9.5
CRMS0276 - Just east of Wilkinson Canal	10.5	10.2	10.1	10.4	9.7	9.1	7.9	8.7	8.0	7.9	9.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	10.4	10.7	11.0	9.3	9.1	8.2	10.1	10.4	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.6	9.5	8.7	7.8	6.8	6.4	7.3	7.9	8.7	9.0	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.8	9.0	7.9	7.1	6.4	7.2	6.7	7.9	9.5	9.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.3	9.7	8.9	7.8	6.9	6.2	6.7	6.7	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.2	10.6	9.9	9.1	8.1	7.0	6.0	6.2	6.2	7.6	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	11.1	10.5	9.9	10.6	9.4	9.3	8.0	7.8	7.2	8.6	9.3	9.2
HWQ14 - Lake Washington	11.0	10.4	9.9	10.5	8.8	7.9	6.4	6.1	6.2	7.4	9.5	9.3
HWQ16 - Bayou Grand Liard	9.8	10.1	9.7	9.4	7.9	7.2	6.4	6.0	6.0	6.8	8.1	8.4
CRMS 3985	11.2	10.5	9.8	9.1	7.8	7.0	6.0	5.6	6.2	7.4	9.4	9.2
CRMS 0258	11.5	10.7	10.2	9.7	10.6	13.8	13.9	12.7	8.1	8.6	9.2	9.1
CRMS 0224	11.4	10.7	10.0	9.4	9.4	10.5	8.9	11.6	7.4	7.8	8.9	8.7
CRMS 0163	11.0	10.5	10.0	9.1	8.3	10.2	12.1	15.0	7.7	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.8	6.2	6.3	6.4	7.6	8.9	9.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-1.6	-2.1	-1.2	-0.6	-0.2	-0.1	0.2	0.5	-0.3	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.8	0.4	0.1	0.3	-0.5	-0.9	-1.2	0.5	0.3	0.1	-0.7	0.1
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.0	0.0	0.9	-0.1	0.0	0.6	0.0	-0.2	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-0.4	-0.7	-0.6	-0.6	-1.0	-1.1	-0.1	0.4	0.1	-0.9	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.3	0.0	0.4	0.7	0.3	1.2	0.0	-0.2	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	0.6	-0.6	-0.2	-0.4	-0.2	-0.4	0.3	0.0	-0.2	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.4	1.1	-0.7	-0.2	-0.3	-0.1	-0.7	-0.2	-0.1	-0.1	-0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.9	0.9	-0.7	1.0	0.7	1.4	0.1	0.3	0.3	-0.2	-0.2	0.1
HWQ14 - Lake Washington	0.2	0.4	-0.5	1.5	0.9	1.0	0.1	0.1	-0.2	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	1.2	1.0	0.8	1.0	0.5	0.5	0.3	0.3	-0.1	-0.1	-0.7	0.0
CRMS 3985	0.2	0.3	0.1	0.5	0.4	0.7	0.1	-0.1	-0.1	-0.3	-0.1	0.0
CRMS 0258	0.7	0.8	-0.3	-0.7	0.5	3.6	4.2	3.0	0.3	0.0	0.0	0.2
CRMS 0224	1.1	1.2	-0.3	-0.3	0.7	2.7	1.8	5.0	0.3	-0.7	-0.2	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.1	1.0	2.1	1.0	-0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.2	0.1	0.1

Figure WQ DO 109 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.1	8.1	7.3	6.9	6.7	6.8	8.2	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.4	9.1	9.2	9.9	8.6	10.8	9.2	8.2	7.6	7.9	10.0	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.8	8.9	7.7	13.2	11.1	10.1	9.2	10.1	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	10.0	9.3	8.5	8.0	7.7	7.6	7.6	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.1	5.9	6.5	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.1	6.7	6.5	6.6	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.7	9.2	10.4	9.2	8.3	7.3	6.8	6.5	6.3	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.6	9.7	8.9	8.0	7.9	7.6	7.0	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.6	9.1	7.9	6.9	6.3	6.0	6.3	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.6	9.1	8.2	7.3	7.2	6.2	5.9	6.0	7.0	9.2	8.4
CRMS 3985	10.9	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.3	7.7	9.5	9.5
CRMS 0258	10.7	9.5	10.2	10.4	10.4	10.8	10.1	9.7	7.7	8.7	9.2	9.3
CRMS 0224	10.3	9.1	9.8	9.6	9.0	8.2	7.3	6.7	7.0	8.6	9.0	8.5
CRMS 0163	10.9	10.7	10.0	9.0	7.8	7.7	12.8	15.0	8.5	9.0	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.7	6.2	7.3	6.5	8.1	8.8	9.4

V3PR7 HYST - cy 2 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.3	8.0	7.3	7.0	6.6	7.1	7.6	8.2	9.1	8.2
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.4	9.7	8.8	10.2	8.7	9.0	7.8	7.6	9.9	9.2
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	9.0	7.7	13.0	11.1	10.0	9.4	10.0	10.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	9.3	8.7	7.5	6.8	6.4	9.0	7.5	8.6	9.0	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.7	8.8	7.2	6.7	6.9	7.0	6.6	7.8	9.5	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	9.8	9.6	8.8	7.3	6.7	6.5	7.5	6.5	7.9	9.1	9.7
USGS 07380335 - Little Lake Near Cutoff	9.9	9.5	9.8	8.8	7.3	7.2	6.4	6.9	6.1	7.5	8.9	9.8
USGS073802516 Barataria Pass at Grand Isle	10.2	9.6	9.7	10.1	8.4	10.6	8.9	8.8	7.0	8.6	9.4	9.6
HWQ14 - Lake Washington	10.8	10.1	9.7	10.1	8.1	8.8	6.8	6.1	6.1	7.4	9.5	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	9.4	9.0	7.6	8.0	6.5	5.8	5.9	6.8	8.9	9.1
CRMS 3985	11.0	10.2	9.8	8.9	7.3	7.7	6.4	5.7	6.2	7.3	9.4	9.7
CRMS 0258	10.8	9.6	10.0	9.3	8.6	12.7	14.6	10.9	7.6	8.6	9.2	10.0
CRMS 0224	10.4	9.4	9.9	9.0	7.7	8.4	10.8	8.8	7.0	7.7	8.8	9.8
CRMS 0163	10.9	10.7	10.0	9.0	7.7	8.2	14.6	15.4	8.3	8.9	9.6	10.0
CRMS 0162	10.3	10.1	9.4	8.6	7.4	6.6	6.2	6.9	6.6	7.3	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.4	-2.0	-1.2	-0.9	-0.3	-0.3	0.4	0.8	-0.1	-0.9	-1.7
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.3	-0.1	0.3	-0.7	-0.5	0.8	0.1	-0.3	-0.1	0.4
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.0	-0.2	0.0	-0.1	0.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.2	-0.6	-0.6	-1.0	-1.2	-1.4	1.4	-0.1	0.0	-1.0	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.3	-0.2	-0.2	0.2	0.8	1.0	0.1	-0.2	-0.1	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.7	-0.4	-0.9	-0.4	-0.2	1.0	-0.1	-0.2	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.6	-0.4	-1.0	-0.2	-0.4	0.4	-0.2	-0.1	-0.2	1.3
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.9	0.4	-0.5	2.6	1.0	1.2	0.0	-0.1	-0.1	0.5
HWQ14 - Lake Washington	0.1	0.1	-0.9	1.0	0.2	1.9	0.5	0.2	-0.2	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.4	0.8	0.2	0.8	0.3	-0.1	-0.1	-0.2	-0.3	0.7
CRMS 3985	0.1	0.0	0.1	0.1	-0.1	1.4	0.5	-0.2	0.0	-0.4	-0.1	0.1
CRMS 0258	0.1	0.1	-0.2	-1.2	-1.7	1.9	4.4	1.3	-0.1	-0.1	-0.1	0.7
CRMS 0224	0.1	0.3	0.1	-0.7	-1.4	0.2	3.5	2.1	0.0	-0.9	-0.2	1.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.4	1.7	0.5	-0.3	-0.1	0.0	0.0
CRMS 0162	0.0	0.2	0.0	0.0	0.0	-0.1	0.0	-0.3	0.1	-0.7	0.1	0.0

Figure WQ DO 110 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.1	6.5	6.2	6.6	8.1	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.4	10.2	10.3	9.5	8.4	6.9	7.1	7.6	8.8	9.0
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.3	11.1	10.2	9.8	8.0	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.4	8.5	7.7	7.3	7.1	7.1	8.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.5	6.1	6.3	6.7	8.1	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	10.4	9.2	8.2	7.1	6.6	6.2	6.6	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.4	8.5	7.4	6.8	5.9	6.3	7.5	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.7	9.8	8.8	7.8	7.8	6.9	7.0	8.7	9.4	9.2
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.9	6.3	6.0	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	8.9	8.9	8.6	7.6	6.6	6.3	8.5	6.0	7.4	8.1	8.3
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	6.1	6.4	7.8	9.6	9.3
CRMS 0258	10.9	10.0	10.4	10.6	10.3	9.8	7.7	7.0	7.0	8.4	9.7	9.5
CRMS 0224	10.3	9.5	10.5	9.8	8.9	7.6	6.9	6.3	6.7	8.4	9.2	9.1
CRMS 0163	11.0	10.6	9.9	9.0	8.3	10.9	13.8	12.6	7.6	9.1	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	8.1	7.3	8.3	5.9	8.3	9.0	9.2

V3PR8 HYST - cy 2 - 1985 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	9.2	8.2	8.1	7.5	7.1	6.9	7.0	7.4	8.1	8.2	8.2
CRMS0276 - Just east of Wilkinson Canal	10.5	9.7	9.7	10.9	10.4	9.2	8.6	7.3	6.4	8.2	8.9	9.4
Barataria Waterway at Lafitte (USACE82875)	10.5	10.0	10.0	10.7	11.5	10.2	9.0	8.9	8.6	9.9	9.6	9.3
USGS2928590900040000 Barataria Waterway South of Lafitte	10.4	10.2	9.1	8.6	7.8	8.6	9.8	8.9	7.1	8.4	9.2	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.6	8.8	8.0	8.5	6.8	6.2	6.5	7.8	9.4	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.4	9.5	8.8	8.0	8.1	7.1	6.0	6.2	7.8	9.3	9.5
USGS 07380335 - Little Lake Near Cutoff	11.2	10.4	9.7	8.9	8.4	8.0	6.8	6.0	6.0	7.4	9.4	9.7
USGS073802516 Barataria Pass at Grand Isle	11.1	10.2	9.7	10.7	10.5	8.8	8.1	7.1	6.5	8.5	9.5	9.6
HWQ14 - Lake Washington	11.0	10.2	9.8	10.7	9.3	7.6	6.4	5.9	6.2	7.5	9.6	9.6
HWQ16 - Bayou Grand Liard	10.0	9.4	9.6	9.5	8.4	6.9	6.0	7.9	6.0	7.5	8.5	9.3
CRMS 3985	11.2	10.3	9.7	9.0	8.7	6.8	5.9	5.9	6.4	7.5	9.5	9.6
CRMS 0258	11.5	10.6	10.1	9.3	12.3	11.5	9.2	8.0	7.3	8.4	10.1	10.1
CRMS 0224	11.4	10.4	9.9	9.0	11.4	10.0	8.5	6.6	5.9	7.4	9.5	9.9
CRMS 0163	11.0	10.7	9.9	9.1	8.9	11.7	13.4	12.6	7.7	9.1	9.5	9.9
CRMS 0162	10.3	10.0	9.2	8.5	7.7	7.8	7.0	8.4	6.2	8.0	9.0	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-0.9	-2.2	-1.2	-0.7	-0.1	0.4	0.7	0.8	0.0	-1.9	-1.9
CRMS0276 - Just east of Wilkinson Canal	0.9	0.1	0.3	0.6	0.1	-0.3	0.2	0.4	-0.7	0.7	0.2	0.4
Barataria Waterway at Lafitte (USACE82875)	-0.4	-0.4	0.3	1.5	-0.8	-0.8	-1.2	-0.9	0.5	0.0	0.1	-0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.8	0.2	-1.1	-0.8	-0.7	0.9	2.5	1.9	-0.1	0.1	-0.8	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.3	-0.5	-0.2	0.5	2.0	0.7	0.0	-0.2	-0.3	-0.3	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.7	-1.0	-0.4	-0.3	1.1	0.5	-0.1	-0.4	-0.3	0.2	0.4
USGS 07380335 - Little Lake Near Cutoff	1.4	0.9	-0.9	-0.4	0.0	0.6	0.1	0.1	-0.3	-0.2	0.6	0.9
USGS073802516 Barataria Pass at Grand Isle	1.0	0.6	-1.0	1.0	1.7	0.9	0.3	0.2	-0.5	-0.2	0.1	0.4
HWQ14 - Lake Washington	0.3	0.2	-0.6	1.6	1.4	0.7	0.1	-0.1	-0.1	-0.4	0.0	0.3
HWQ16 - Bayou Grand Liard	1.3	0.5	0.8	0.8	0.8	0.3	-0.3	-0.6	0.0	0.1	0.4	1.0
CRMS 3985	0.2	0.1	0.1	0.3	1.3	0.4	0.0	-0.3	0.0	-0.3	-0.1	0.4
CRMS 0258	0.7	0.6	-0.4	-1.2	2.0	1.8	1.4	1.0	0.4	0.0	0.3	0.6
CRMS 0224	1.1	0.9	-0.5	-0.8	2.6	2.4	1.6	0.3	-0.7	-1.0	0.3	0.9
CRMS 0163	0.0	0.0	0.0	0.1	0.6	0.8	-0.4	0.1	0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.4	-0.3	0.1	0.3	-0.4	0.0	0.0

Figure WQ DO 111 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.3	6.6	6.3	6.7	8.1	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.5	10.1	10.5	9.9	8.3	7.4	7.0	7.8	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.5	11.6	10.4	10.2	9.0	10.2	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.2	9.4	8.6	8.0	7.5	7.2	7.3	8.4	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.6	6.1	6.4	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.6	10.4	9.2	8.3	7.2	6.7	6.3	6.7	8.0	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	9.7	9.4	10.6	9.4	8.5	7.5	6.9	6.2	6.4	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.5	10.7	9.7	8.9	7.9	7.8	7.2	7.1	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	9.0	8.6	7.8	6.7	6.2	7.4	6.0	7.7	9.0	8.3
CRMS 3985	11.0	10.2	9.8	8.6	7.4	6.5	6.1	6.1	6.4	7.8	9.5	9.2
CRMS 0258	10.9	9.9	10.4	10.5	10.5	9.8	8.1	7.1	7.1	8.3	9.2	9.2
CRMS 0224	10.3	9.4	10.4	9.8	9.1	8.0	6.9	6.5	6.7	8.3	8.8	8.5
CRMS 0163	11.1	10.6	9.9	9.0	8.0	12.2	14.6	13.4	8.6	9.7	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.8	7.3	8.3	6.8	9.0	8.8	9.5

V3PR8 HYST - cy 2 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	8.5	8.2	8.0	7.6	7.2	7.0	7.0	7.5	8.2	9.2	8.7
CRMS0276 - Just east of Wilkinson Canal	9.8	10.0	9.8	10.8	10.5	9.7	8.5	7.5	6.3	8.4	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.4	9.9	10.1	10.7	11.4	10.6	9.2	9.2	8.9	10.2	9.9	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.8	9.0	8.6	7.7	9.0	9.6	9.0	7.1	8.4	8.9	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.6	8.8	7.5	8.0	6.6	6.2	6.4	7.8	9.5	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.4	9.5	8.7	7.6	8.3	6.8	6.1	6.1	7.7	9.0	9.6
USGS 07380335 - Little Lake Near Cutoff	10.8	10.7	9.7	8.9	7.7	8.6	6.9	6.2	6.0	7.3	9.0	9.4
USGS073802516 Barataria Pass at Grand Isle	10.7	10.4	9.8	10.7	10.5	9.0	7.8	7.3	6.5	8.4	9.3	9.3
HWQ14 - Lake Washington	10.9	10.4	9.8	10.7	10.0	8.0	6.3	5.9	6.2	7.4	9.5	9.4
HWQ16 - Bayou Grand Liard	8.9	10.0	9.6	9.4	8.6	7.0	5.9	6.7	6.1	7.9	8.8	8.6
CRMS 3985	11.1	10.5	9.8	9.0	8.1	7.0	5.9	5.9	6.3	7.4	9.5	9.4
CRMS 0258	11.3	10.8	10.1	9.2	9.5	11.1	9.1	8.1	7.4	8.3	9.2	9.7
CRMS 0224	11.0	10.7	9.9	9.0	8.2	10.5	7.6	6.8	6.1	7.3	8.6	9.2
CRMS 0163	11.1	10.6	9.9	9.1	8.1	12.1	14.2	13.4	8.8	9.6	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.6	7.1	7.5	6.0	8.4	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.4	-1.5	-2.1	-1.2	-0.7	-0.1	0.4	0.7	0.9	0.1	-0.8	-1.2
CRMS0276 - Just east of Wilkinson Canal	0.3	0.3	0.2	0.7	0.0	-0.2	0.2	0.1	-0.8	0.6	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.5	-0.5	0.3	1.5	-0.1	-1.0	-1.2	-1.0	-0.1	0.0	-0.3	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	-0.1	-1.1	-0.7	-0.9	1.0	2.1	1.7	-0.2	0.0	-0.9	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.6	-0.1	0.0	1.4	0.5	-0.2	-0.4	-0.3	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	0.8	-0.9	-0.5	-0.7	1.1	0.1	-0.2	-0.5	-0.3	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	1.1	1.2	-0.9	-0.5	-0.8	1.1	0.0	0.1	-0.3	-0.3	-0.1	0.9
USGS073802516 Barataria Pass at Grand Isle	0.6	0.9	-0.9	1.0	1.6	1.1	0.0	0.0	-0.6	-0.3	-0.1	0.2
HWQ14 - Lake Washington	0.1	0.4	-0.6	1.7	2.0	1.0	-0.1	-0.2	-0.2	-0.5	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.5	1.0	0.7	0.7	0.8	0.3	-0.3	-0.7	0.0	0.2	-0.2	0.3
CRMS 3985	0.2	0.3	0.0	0.3	0.6	0.5	-0.2	-0.2	0.0	-0.4	0.0	0.2
CRMS 0258	0.4	0.9	-0.4	-1.3	-1.0	1.3	1.0	1.0	0.4	0.0	0.0	0.5
CRMS 0224	0.8	1.3	-0.5	-0.8	-0.9	2.4	0.7	0.3	-0.7	-1.0	-0.2	0.7
CRMS 0163	0.0	0.0	0.0	0.1	0.1	-0.1	-0.3	-0.1	0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	-0.8	-0.8	-0.6	0.0	0.0

Figure WQ DO 112 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.0	7.9	6.6	6.3	6.3	6.6	8.0	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.4	9.5	9.2	9.4	9.6	8.6	7.7	7.1	6.5	7.6	8.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.6	10.0	10.5	9.6	9.8	8.6	9.2	9.7	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.0	9.0	8.1	7.4	7.2	7.0	7.1	8.2	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.8	6.6	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.0	6.7	6.2	6.6	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	10.3	9.2	8.5	7.4	6.7	6.0	6.4	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.5	9.5	8.7	7.6	7.4	6.7	7.0	8.5	9.4	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.1	7.9	6.9	6.7	6.3	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.8	8.6	8.0	7.1	6.6	7.1	8.4	6.8	8.0	8.4	8.0
CRMS 3985	11.0	10.2	9.7	9.0	7.6	6.5	6.8	6.4	6.7	7.8	9.6	9.3
CRMS 0258	10.7	9.8	10.1	9.8	9.5	7.6	7.2	6.9	6.7	7.8	9.5	9.4
CRMS 0224	10.3	9.2	10.0	9.2	8.2	7.1	6.6	6.1	6.4	7.9	8.9	8.8
CRMS 0163	10.9	10.7	10.2	9.1	8.2	10.9	12.1	12.0	8.9	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.5	7.8	8.5	8.1	9.0	8.0	7.3	9.0	9.5

V3PR8 HYST - cy 2 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.2	9.2	8.8	7.6	7.1	7.0	7.2	7.9	8.0	9.2	9.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.6	9.4	9.0	9.0	8.2	7.9	7.5	6.2	8.5	8.9	8.5
Barataria Waterway at Lafitte (USACE82875)	10.2	9.8	10.1	9.9	10.5	9.8	8.5	8.7	8.7	9.1	9.6	9.3
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.5	9.7	9.2	8.0	8.4	9.1	8.5	7.0	8.2	9.1	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.8	9.3	8.4	7.2	6.5	6.2	6.7	7.9	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	10.6	10.0	9.3	8.2	7.3	6.5	5.8	6.2	7.7	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.0	10.6	10.3	9.2	8.0	7.6	6.9	6.0	6.3	7.3	8.8	8.9
USGS073802516 Barataria Pass at Grand Isle	10.3	10.2	10.8	9.7	9.5	7.8	7.5	6.6	6.6	8.3	9.3	9.3
HWQ14 - Lake Washington	10.8	10.2	10.4	9.5	8.4	7.1	6.4	6.1	6.3	7.6	9.5	9.3
HWQ16 - Bayou Grand Liard	8.4	9.3	8.9	8.1	7.6	6.5	7.0	8.4	6.5	7.9	8.3	8.0
CRMS 3985	11.0	10.4	9.7	8.9	8.0	6.7	6.1	6.0	6.3	7.5	9.5	9.2
CRMS 0258	10.8	10.6	10.6	10.1	11.2	7.8	7.5	7.3	6.7	7.9	9.5	9.4
CRMS 0224	10.4	10.4	10.7	9.8	10.9	7.4	6.8	6.2	6.1	7.5	8.7	8.8
CRMS 0163	11.0	10.7	10.2	9.3	8.8	11.7	11.9	11.9	10.7	8.6	9.5	10.0
CRMS 0162	10.4	10.1	9.6	8.6	7.9	8.6	8.1	8.6	8.9	7.3	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.8	-1.0	-0.2	-0.3	0.5	0.7	1.0	1.3	0.1	-0.9	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.2	-0.4	-0.5	-0.4	0.2	0.4	-0.3	0.9	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	-0.5	-0.6	0.2	0.3	0.5	-0.7	-1.1	-1.1	0.1	-0.1	0.0	-0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.6	-0.3	0.2	-0.1	1.0	1.8	1.5	-0.1	0.0	-0.8	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.2	0.3	0.9	0.6	-0.3	-0.3	-0.1	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	1.1	-0.3	0.2	0.0	0.3	-0.1	-0.4	-0.4	-0.2	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.3	1.3	0.0	0.1	-0.5	0.2	0.2	-0.1	-0.1	-0.1	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.8	0.3	0.3	0.8	0.2	0.1	-0.1	-0.5	-0.2	0.0	0.0
HWQ14 - Lake Washington	0.1	0.3	0.0	0.4	0.5	0.2	-0.3	-0.2	-0.1	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.5	0.3	0.1	0.5	-0.1	-0.1	0.0	-0.3	-0.1	-0.1	0.0
CRMS 3985	0.0	0.2	0.0	-0.1	0.4	0.2	-0.6	-0.4	-0.3	-0.3	-0.2	-0.1
CRMS 0258	0.1	0.8	0.5	0.2	1.7	0.2	0.4	0.4	0.1	0.1	0.0	0.0
CRMS 0224	0.2	1.2	0.6	0.5	2.7	0.3	0.2	0.1	-0.3	-0.5	-0.1	-0.1
CRMS 0163	0.1	0.0	0.0	0.2	0.6	0.8	-0.2	-0.1	1.8	0.2	0.0	0.0
CRMS 0162	0.1	0.0	0.0	0.0	0.1	0.1	0.0	-0.5	0.9	0.0	0.0	0.0

Figure WQ DO 113 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.2	7.1	6.7	6.7	7.0	8.3	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.9	10.0	10.1	9.9	9.1	8.2	7.6	7.8	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	9.4	10.9	11.0	8.7	9.1	8.4	10.0	10.4	10.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.3	8.4	7.8	7.5	7.4	7.5	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.4	6.1	6.0	6.7	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	10.3	9.1	8.1	7.0	6.6	6.4	6.7	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.3	8.4	7.2	6.7	6.4	6.4	7.6	9.0	8.5
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.6	9.7	8.7	7.9	7.8	7.6	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.8	6.2	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.1	8.9	8.4	7.4	6.7	6.0	5.7	6.1	6.9	8.8	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.4	7.7	9.5	9.2
CRMS 0258	10.9	10.0	10.5	10.4	10.1	10.1	9.7	9.7	7.8	8.7	9.2	8.9
CRMS 0224	10.3	9.5	10.3	9.7	8.7	7.8	7.1	6.6	7.1	8.6	9.1	8.4
CRMS 0163	11.1	10.5	10.0	9.0	8.2	9.2	9.9	14.0	7.9	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.8	6.2	6.6	6.4	7.4	8.8	9.5

V3PR8 HYST - cy 2 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.1	7.6	6.9	6.6	6.9	7.5	8.1	9.2	9.6
CRMS0276 - Just east of Wilkinson Canal	10.4	10.1	10.1	10.6	9.5	9.1	7.7	8.1	7.2	7.4	10.1	9.9
Barataria Waterway at Lafitte (USACE82875)	10.5	10.0	11.0	10.6	11.4	10.7	9.4	9.4	8.9	9.7	10.2	10.0
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.6	9.4	8.7	7.8	6.8	6.4	7.3	7.9	8.7	9.0	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.8	8.9	7.9	7.1	6.4	7.2	6.7	7.9	9.5	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.2	9.7	8.9	7.8	6.8	6.1	6.6	6.6	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.2	10.6	9.9	9.1	8.1	7.0	6.0	6.2	6.2	7.5	8.9	8.7
USGS073802516 Barataria Pass at Grand Isle	11.1	10.5	9.9	10.6	9.4	9.2	7.9	7.8	7.1	8.7	9.3	9.1
HWQ14 - Lake Washington	11.0	10.4	9.9	10.4	8.8	7.9	6.4	6.0	6.1	7.4	9.5	9.3
HWQ16 - Bayou Grand Liard	9.8	10.1	9.7	9.3	7.9	7.2	6.3	6.0	5.9	6.9	8.9	8.6
CRMS 3985	11.2	10.5	9.8	9.1	7.8	7.0	6.0	5.6	6.2	7.4	9.5	9.5
CRMS 0258	11.6	10.7	10.2	9.6	10.4	13.6	13.4	13.0	8.3	8.7	9.2	9.0
CRMS 0224	11.4	10.7	10.0	9.4	9.4	10.3	8.9	11.7	7.3	7.6	8.7	8.6
CRMS 0163	11.0	10.5	10.0	9.2	8.5	11.0	13.9	14.8	7.9	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.8	6.1	6.3	6.5	7.6	8.9	9.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.4	-1.6	-2.1	-1.2	-0.6	-0.2	-0.1	0.2	0.5	-0.3	-0.8	-0.3
CRMS0276 - Just east of Wilkinson Canal	0.7	0.4	0.2	0.6	-0.7	-0.8	-1.4	-0.1	-0.5	-0.5	0.4	1.3
Barataria Waterway at Lafitte (USACE82875)	-0.5	-0.4	1.2	1.2	0.5	-0.4	0.6	0.3	0.4	-0.3	-0.3	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.6	-0.4	-0.7	-0.6	-0.6	-1.0	-1.1	-0.1	0.4	0.0	-1.0	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.3	-0.4	0.0	0.4	0.7	0.3	1.2	-0.1	-0.2	-0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	0.6	-0.6	-0.3	-0.4	-0.2	-0.5	0.2	-0.1	-0.2	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	1.4	1.1	-0.7	-0.2	-0.3	-0.2	-0.7	-0.2	-0.2	-0.2	-0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.9	0.9	-0.7	1.0	0.7	1.3	0.0	0.2	0.1	-0.1	-0.2	0.0
HWQ14 - Lake Washington	0.2	0.4	-0.5	1.4	0.9	1.1	0.2	0.0	-0.2	-0.4	-0.1	-0.1
HWQ16 - Bayou Grand Liard	1.1	1.0	0.8	0.9	0.5	0.5	0.3	0.3	-0.1	0.0	0.2	0.2
CRMS 3985	0.2	0.3	0.1	0.5	0.4	0.7	0.1	-0.2	-0.1	-0.4	0.0	0.3
CRMS 0258	0.7	0.8	-0.3	-0.8	0.3	3.5	3.7	3.3	0.5	0.0	-0.1	0.1
CRMS 0224	1.1	1.2	-0.3	-0.3	0.6	2.5	1.8	5.1	0.2	-1.0	-0.3	0.2
CRMS 0163	0.0	0.0	0.0	0.2	0.3	1.7	4.0	0.8	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.2	0.1	0.1

Figure WQ DO 114 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.1	8.1	7.3	6.9	6.7	6.8	8.2	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.4	9.1	9.2	9.9	8.6	10.8	9.2	8.2	7.6	7.9	10.0	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.8	8.9	7.7	13.2	11.1	10.1	9.2	10.1	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	10.0	9.3	8.5	8.0	7.7	7.6	7.6	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.1	5.9	6.5	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.1	6.7	6.5	6.6	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.7	9.2	10.4	9.2	8.3	7.3	6.8	6.5	6.3	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.6	9.7	8.9	8.0	7.9	7.6	7.0	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.6	9.1	7.9	6.9	6.3	6.0	6.3	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.6	9.1	8.2	7.3	7.2	6.2	5.9	6.0	7.0	9.2	8.4
CRMS 3985	10.9	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.3	7.7	9.5	9.5
CRMS 0258	10.7	9.5	10.2	10.4	10.4	10.8	10.1	9.7	7.7	8.7	9.2	9.3
CRMS 0224	10.3	9.1	9.8	9.6	9.0	8.2	7.3	6.7	7.0	8.6	9.0	8.5
CRMS 0163	10.9	10.7	10.0	9.0	7.8	7.7	12.8	15.0	8.5	9.0	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.7	6.2	7.3	6.5	8.1	8.8	9.4

V3PR8 HYST - cy 2 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.3	8.0	7.2	7.0	6.6	7.0	7.6	8.1	9.1	8.2
CRMS0276 - Just east of Wilkinson Canal	9.5	9.2	9.9	10.0	8.7	10.2	8.5	8.7	6.8	7.8	9.8	9.2
Barataria Waterway at Lafitte (USACE82875)	10.2	9.7	9.9	10.0	9.9	11.1	9.4	9.6	9.2	10.0	10.2	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	9.3	8.7	7.5	6.8	6.4	9.0	7.6	8.6	9.0	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.7	8.8	7.2	6.7	7.0	6.9	6.6	7.8	9.5	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	9.7	9.6	8.8	7.3	6.7	6.4	7.4	6.4	7.8	9.1	9.7
USGS 07380335 - Little Lake Near Cutoff	9.9	9.4	9.8	8.8	7.2	7.2	6.4	7.0	6.1	7.4	9.0	9.8
USGS073802516 Barataria Pass at Grand Isle	10.3	9.6	9.7	10.2	8.4	10.6	8.8	8.8	7.0	8.7	9.3	9.5
HWQ14 - Lake Washington	10.9	10.1	9.7	10.0	8.1	8.9	6.9	6.1	6.1	7.4	9.5	9.5
HWQ16 - Bayou Grand Liard	8.4	8.6	9.4	9.0	7.5	7.9	6.5	5.7	5.9	7.3	8.9	9.1
CRMS 3985	11.0	10.2	9.8	8.9	7.3	7.8	6.3	5.7	6.3	7.4	9.4	9.7
CRMS 0258	10.8	9.6	10.0	9.3	8.5	12.1	14.5	11.0	7.7	8.7	9.2	10.1
CRMS 0224	10.4	9.4	9.9	9.0	7.6	8.3	10.7	8.9	6.9	7.5	8.7	9.8
CRMS 0163	10.9	10.8	10.1	9.1	7.8	8.3	14.7	15.2	8.6	9.1	9.6	10.0
CRMS 0162	10.3	10.1	9.4	8.6	7.4	6.7	6.2	6.9	6.6	7.3	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	0.4	-2.0	-1.2	-0.9	-0.3	-0.3	0.3	0.8	-0.1	-0.9	-1.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.7	0.1	0.2	-0.6	-0.7	0.5	-0.9	-0.1	-0.2	0.4
Barataria Waterway at Lafitte (USACE82875)	-0.4	-0.7	0.1	1.1	2.3	-2.1	-1.7	-0.5	-0.1	-0.1	-0.1	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.2	-0.7	-0.6	-1.0	-1.2	-1.4	1.5	-0.1	0.0	-1.0	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.3	-0.2	-0.2	0.3	0.8	1.0	0.1	-0.2	-0.1	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.7	-0.4	-0.9	-0.4	-0.3	1.0	-0.2	-0.2	0.0	0.7
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.6	-0.4	-1.0	-0.2	-0.5	0.4	-0.3	-0.1	-0.1	1.3
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.9	0.4	-0.5	2.6	0.9	1.2	-0.1	-0.1	-0.1	0.5
HWQ14 - Lake Washington	0.1	0.1	-0.8	1.0	0.2	2.0	0.6	0.1	-0.2	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.4	0.8	0.2	0.7	0.3	-0.2	-0.1	0.2	-0.3	0.7
CRMS 3985	0.1	0.0	0.1	0.1	0.0	1.5	0.5	-0.2	0.0	-0.3	-0.1	0.1
CRMS 0258	0.1	0.1	-0.2	-1.2	-1.9	1.4	4.4	1.4	0.0	0.0	-0.1	0.7
CRMS 0224	0.1	0.3	0.1	-0.6	-1.4	0.0	3.4	2.2	-0.1	-1.1	-0.3	1.4
CRMS 0163	0.1	0.1	0.0	0.1	0.0	0.6	1.8	0.2	0.1	0.1	0.0	0.0
CRMS 0162	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-0.3	0.1	-0.7	0.1	0.0

Figure WQ DO 115 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.1	6.5	6.2	6.6	8.1	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.7	9.6	9.4	10.2	10.3	9.5	8.4	6.9	7.1	7.6	8.8	9.0
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.7	9.3	12.3	11.1	10.2	9.8	8.0	9.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.4	8.5	7.7	7.3	7.1	7.1	8.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.5	6.1	6.3	6.7	8.1	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	10.4	9.2	8.2	7.1	6.6	6.2	6.6	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.4	8.5	7.4	6.8	5.9	6.3	7.5	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.7	9.8	8.8	7.8	7.8	6.9	7.0	8.7	9.4	9.2
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.9	6.3	6.0	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	8.9	8.9	8.6	7.6	6.6	6.3	8.5	6.0	7.4	8.1	8.3
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.4	5.9	6.1	6.4	7.8	9.6	9.3
CRMS 0258	10.9	10.0	10.4	10.6	10.3	9.8	7.7	7.0	7.0	8.4	9.7	9.5
CRMS 0224	10.3	9.5	10.5	9.8	8.9	7.6	6.9	6.3	6.7	8.4	9.2	9.1
CRMS 0163	11.0	10.6	9.9	9.0	8.3	10.9	13.8	12.6	7.6	9.1	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	8.1	7.3	8.3	5.9	8.3	9.0	9.2

V3PR9 HYST - cy 2 - 1985 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.2	8.2	7.1	6.5	6.3	6.7	8.2	10.1	10.2
CRMS0276 - Just east of Wilkinson Canal	9.6	9.4	9.4	9.6	10.3	8.8	7.9	7.2	6.3	8.8	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.5	9.9	9.8	10.6	11.5	10.1	8.8	8.7	8.0	9.8	9.5	9.3
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.1	9.3	8.4	7.6	7.2	7.0	7.1	8.3	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.5	6.1	6.4	6.8	8.2	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.7	10.4	9.1	8.2	7.1	6.6	6.1	6.5	8.0	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.8	9.4	10.5	9.3	8.5	7.4	6.8	5.9	6.3	7.4	8.7	8.7
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.7	9.8	8.7	7.8	7.9	6.9	6.9	8.6	9.3	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.9	6.3	6.0	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.6	8.8	8.8	8.5	7.4	6.5	6.5	8.7	6.1	8.2	8.3	8.2
CRMS 3985	10.9	10.2	9.7	8.7	7.4	6.4	6.0	6.1	6.4	7.8	9.5	9.4
CRMS 0258	10.9	9.9	10.3	10.3	10.1	9.6	7.7	7.1	7.1	8.4	9.6	9.4
CRMS 0224	10.3	9.4	10.4	9.7	8.8	7.5	7.0	6.5	6.6	8.2	8.9	8.8
CRMS 0163	11.1	10.7	9.9	9.1	8.8	11.9	13.1	12.0	8.0	9.2	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	8.3	7.4	8.6	6.1	7.9	9.0	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.0	0.0	0.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	-0.1	-0.6	-0.1	-0.7	-0.4	0.4	-0.8	1.3	0.0	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.4	-0.5	0.1	1.4	-0.8	-1.0	-1.4	-1.1	0.0	0.0	0.0	-0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	0.2	0.2	0.1	0.9	0.2	-0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1
CRMS 0258	0.0	0.0	-0.1	-0.3	-0.2	-0.1	0.0	0.1	0.1	0.0	-0.1	-0.1
CRMS 0224	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.1	0.2	0.0	-0.2	-0.3	-0.2
CRMS 0163	0.0	0.0	0.0	0.1	0.5	0.9	-0.7	-0.5	0.4	0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.1	0.2	0.1	0.2	0.2	-0.4	0.0	0.0

Figure WQ DO 116 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.3	7.3	6.6	6.3	6.7	8.1	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.5	10.1	10.5	9.9	8.3	7.4	7.0	7.8	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.4	9.7	9.2	11.5	11.6	10.4	10.2	9.0	10.2	10.1	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.2	9.4	8.6	8.0	7.5	7.2	7.3	8.4	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.6	6.1	6.4	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.6	10.4	9.2	8.3	7.2	6.7	6.3	6.7	8.0	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	9.7	9.4	10.6	9.4	8.5	7.5	6.9	6.2	6.4	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.5	10.7	9.7	8.9	7.9	7.8	7.2	7.1	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	7.0	6.4	6.1	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.5	9.0	9.0	8.6	7.8	6.7	6.2	7.4	6.0	7.7	9.0	8.3
CRMS 3985	11.0	10.2	9.8	8.6	7.4	6.5	6.1	6.1	6.4	7.8	9.5	9.2
CRMS 0258	10.9	9.9	10.4	10.5	10.5	9.8	8.1	7.1	7.1	8.3	9.2	9.2
CRMS 0224	10.3	9.4	10.4	9.8	9.1	8.0	6.9	6.5	6.7	8.3	8.8	8.5
CRMS 0163	11.1	10.6	9.9	9.0	8.0	12.2	14.6	13.4	8.6	9.7	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.6	7.6	8.8	7.3	8.3	6.8	9.0	8.8	9.5

V3PR9 HYST - cy 2 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.3	9.2	8.2	7.2	6.5	6.4	6.8	8.1	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.5	9.5	9.5	9.6	10.4	9.3	8.2	7.2	6.3	8.3	9.8	8.4
Barataria Waterway at Lafitte (USACE82875)	10.3	9.9	9.8	10.6	11.4	10.4	8.9	8.9	8.5	9.9	9.8	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.1	9.3	8.4	7.8	7.4	7.1	7.2	8.3	9.8	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	8.9	7.5	6.6	6.2	6.4	6.8	8.2	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.6	10.2	9.2	8.3	7.2	6.6	6.2	6.6	7.9	9.1	8.8
USGS 07380335 - Little Lake Near Cutoff	9.7	9.4	10.5	9.6	8.6	7.5	6.9	6.1	6.4	7.4	9.2	8.4
USGS073802516 Barataria Pass at Grand Isle	10.1	9.5	10.5	9.7	8.8	7.9	7.9	7.2	7.0	8.6	9.3	9.0
HWQ14 - Lake Washington	10.8	10.0	10.1	9.0	7.9	7.0	6.4	6.0	6.4	8.0	9.6	9.5
HWQ16 - Bayou Grand Liard	8.4	8.9	8.9	8.5	7.7	6.6	6.3	7.5	6.3	8.2	8.9	8.2
CRMS 3985	10.9	10.2	10.2	8.7	7.5	6.5	6.0	6.0	6.4	7.9	9.5	9.6
CRMS 0258	10.9	9.9	10.3	10.3	10.2	9.6	8.1	7.2	7.2	8.4	9.2	9.2
CRMS 0224	10.3	9.3	10.2	9.5	8.9	7.9	7.1	6.7	6.8	8.1	8.9	8.5
CRMS 0163	11.1	10.6	9.9	9.1	8.0	12.4	13.8	12.7	9.2	9.8	9.6	10.0
CRMS 0162	10.5	9.9	9.2	8.5	7.6	9.1	7.5	8.3	6.0	8.2	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.1	0.1	0.0	-0.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.0	-0.6	-0.2	-0.5	-0.1	-0.2	-0.7	0.5	0.0	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.5	-0.6	0.1	1.5	-0.1	-1.2	-1.5	-1.3	-0.5	-0.3	-0.3	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.2	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	-0.1	0.3	0.1	0.0	0.0	-0.1	0.0	-0.1	0.1	-0.2
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1
HWQ14 - Lake Washington	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
HWQ16 - Bayou Grand Liard	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.1	0.3	0.5	-0.1	-0.1
CRMS 3985	0.0	0.0	0.4	0.1	0.0	0.0	-0.1	-0.1	0.0	0.1	0.0	0.4
CRMS 0258	0.0	0.0	-0.1	-0.2	-0.2	-0.1	0.0	0.1	0.2	0.1	0.0	0.0
CRMS 0224	0.0	0.0	-0.2	-0.2	-0.2	-0.1	0.1	0.3	0.0	-0.3	0.0	0.0
CRMS 0163	0.0	0.0	0.0	0.1	0.1	0.1	-0.8	-0.8	0.6	0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.3	0.2	0.0	-0.9	-0.8	0.0	0.0

Figure WQ DO 117 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.0	7.9	6.6	6.3	6.3	6.6	8.0	10.1	10.1
CRMS0276 - Just east of Wilkinson Canal	9.4	9.5	9.2	9.4	9.6	8.6	7.7	7.1	6.5	7.6	8.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.9	9.6	10.0	10.5	9.6	9.8	8.6	9.2	9.7	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.0	9.0	8.1	7.4	7.2	7.0	7.1	8.2	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.8	6.6	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.0	6.7	6.2	6.6	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	10.3	9.2	8.5	7.4	6.7	6.0	6.4	7.4	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.5	9.5	8.7	7.6	7.4	6.7	7.0	8.5	9.4	9.3
HWQ14 - Lake Washington	10.8	10.0	10.4	9.1	7.9	6.9	6.7	6.3	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.8	8.6	8.0	7.1	6.6	7.1	8.4	6.8	8.0	8.4	8.0
CRMS 3985	11.0	10.2	9.7	9.0	7.6	6.5	6.8	6.4	6.7	7.8	9.6	9.3
CRMS 0258	10.7	9.8	10.1	9.8	9.5	7.6	7.2	6.9	6.7	7.8	9.5	9.4
CRMS 0224	10.3	9.2	10.0	9.2	8.2	7.1	6.6	6.1	6.4	7.9	8.9	8.8
CRMS 0163	10.9	10.7	10.2	9.1	8.2	10.9	12.1	12.0	8.9	8.3	9.5	10.0
CRMS 0162	10.3	10.1	9.6	8.5	7.8	8.5	8.1	9.0	8.0	7.3	9.0	9.5

V3PR9 HYST - cy 2 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.2	9.0	7.9	6.5	6.4	6.4	6.7	8.0	10.0	10.1
CRMS0276 - Just east of Wilkinson Canal	9.4	9.3	9.0	8.7	8.7	7.7	7.7	7.5	6.5	8.6	9.5	8.4
Barataria Waterway at Lafitte (USACE82875)	10.2	9.8	10.2	9.9	10.4	9.5	8.3	8.4	8.3	9.0	9.6	9.3
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	10.0	8.9	8.0	7.2	7.1	7.0	7.0	8.2	9.8	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.9	9.2	7.7	6.6	6.8	6.7	6.8	8.2	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.2	9.1	8.1	6.9	6.5	6.1	6.5	7.9	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.7	9.2	10.2	9.0	8.4	7.3	6.6	6.0	6.4	7.3	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.5	9.4	8.6	7.6	7.4	6.7	7.0	8.4	9.3	9.1
HWQ14 - Lake Washington	10.8	10.0	10.3	9.4	8.1	6.9	6.6	6.2	6.4	8.0	9.6	9.3
HWQ16 - Bayou Grand Liard	8.3	8.7	8.5	7.9	7.1	6.5	7.2	8.2	6.9	8.2	8.4	8.0
CRMS 3985	11.0	10.2	9.7	8.9	7.6	6.5	6.6	6.5	6.7	7.7	9.6	9.3
CRMS 0258	10.7	9.7	9.8	9.8	9.3	7.5	7.1	6.9	7.0	7.7	9.4	9.2
CRMS 0224	10.3	9.2	9.9	9.1	8.1	7.1	6.7	6.2	6.6	7.8	8.8	8.6
CRMS 0163	11.0	10.7	10.2	9.4	8.9	11.5	11.2	11.3	9.6	8.6	9.5	10.0
CRMS 0162	10.3	10.1	9.5	8.5	7.9	8.7	8.3	9.0	8.2	7.1	9.0	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	-0.2	-0.7	-0.9	-0.8	-0.1	0.4	0.1	1.0	0.6	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.5	-0.7	0.3	0.3	0.4	-0.9	-1.3	-1.5	-0.3	-0.2	0.0	-0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	0.0	-0.1	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.2	0.2	0.0	0.0	0.2	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.2
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.2
HWQ14 - Lake Washington	0.0	0.0	-0.1	0.3	0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0	-0.1
HWQ16 - Bayou Grand Liard	0.0	-0.1	0.0	-0.1	0.0	0.0	0.1	-0.2	0.1	0.2	0.1	0.0
CRMS 3985	0.0	0.0	0.0	-0.1	0.1	0.0	-0.2	0.1	0.0	-0.1	-0.1	0.0
CRMS 0258	0.0	0.0	-0.3	0.0	-0.2	-0.1	-0.1	0.0	0.3	-0.1	-0.1	-0.2
CRMS 0224	0.0	0.0	-0.1	-0.2	-0.1	0.0	0.1	0.2	0.2	-0.1	-0.1	-0.2
CRMS 0163	0.0	0.0	0.0	0.2	0.7	0.7	-0.9	-0.8	0.7	0.3	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	0.0	0.1	0.2	0.2	0.0	0.3	-0.2	0.0	0.0

Figure WQ DO 118 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.3	8.2	7.1	6.7	6.7	7.0	8.3	10.0	9.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.9	10.0	10.1	9.9	9.1	8.2	7.6	7.8	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.9	10.4	9.9	9.4	10.9	11.0	8.7	9.1	8.4	10.0	10.4	10.0
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.2	9.3	8.4	7.8	7.5	7.4	7.5	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.5	6.4	6.1	6.0	6.7	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	10.3	9.1	8.1	7.0	6.6	6.4	6.7	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.8	9.5	10.6	9.3	8.4	7.2	6.7	6.4	6.4	7.6	9.0	8.5
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.6	9.7	8.7	7.9	7.8	7.6	7.0	8.8	9.5	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.9	6.8	6.2	6.0	6.4	7.8	9.6	9.3
HWQ16 - Bayou Grand Liard	8.7	9.1	8.9	8.4	7.4	6.7	6.0	5.7	6.1	6.9	8.8	8.4
CRMS 3985	11.0	10.2	9.7	8.6	7.4	6.3	5.9	5.8	6.4	7.7	9.5	9.2
CRMS 0258	10.9	10.0	10.5	10.4	10.1	10.1	9.7	9.7	7.8	8.7	9.2	8.9
CRMS 0224	10.3	9.5	10.3	9.7	8.7	7.8	7.1	6.6	7.1	8.6	9.1	8.4
CRMS 0163	11.1	10.5	10.0	9.0	8.2	9.2	9.9	14.0	7.9	8.7	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.8	6.2	6.6	6.4	7.4	8.8	9.5

V3PR9 HYST - cy 2 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.3	10.1	10.4	9.2	8.1	6.9	6.9	7.0	7.1	8.4	9.9	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.6	10.2	9.6	9.7	9.3	8.4	7.9	6.9	8.1	9.9	10.0
Barataria Waterway at Lafitte (USACE82875)	10.4	10.0	10.7	10.6	11.4	10.7	9.3	9.3	8.6	9.6	10.1	9.8
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	10.1	9.2	8.3	7.6	7.5	7.5	7.5	8.5	9.9	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	8.9	7.4	6.5	6.7	6.6	6.8	8.1	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.6	10.3	9.1	8.1	6.9	6.6	6.4	6.6	8.1	9.0	8.8
USGS 07380335 - Little Lake Near Cutoff	9.7	9.4	10.5	9.2	8.4	7.1	6.4	6.3	6.3	7.6	9.1	8.5
USGS073802516 Barataria Pass at Grand Isle	10.1	9.6	10.6	9.6	8.7	7.8	7.5	7.6	7.1	8.8	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.4	9.0	7.8	6.8	6.4	6.0	6.3	7.9	9.6	9.6
HWQ16 - Bayou Grand Liard	8.6	9.0	8.8	8.2	7.1	6.6	6.1	5.8	6.1	7.4	8.9	8.8
CRMS 3985	11.0	10.2	9.7	8.7	7.4	6.3	6.1	6.1	6.3	7.7	9.6	9.4
CRMS 0258	10.9	9.9	10.4	10.2	9.9	10.0	9.7	9.9	7.8	8.5	9.3	9.0
CRMS 0224	10.3	9.4	10.2	9.4	8.6	7.7	7.3	7.1	7.0	8.6	8.9	8.4
CRMS 0163	11.0	10.5	10.0	9.2	8.5	10.7	13.7	14.4	8.3	8.9	9.6	10.0
CRMS 0162	10.5	9.9	9.4	8.6	7.7	6.9	6.2	6.7	6.5	7.5	8.8	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	-0.1	-0.1	-0.2	0.2	0.4	0.1	0.0	0.0	-0.3
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.2	0.2	-0.4	-0.4	-0.6	-0.6	-0.3	-0.7	0.3	0.2	1.5
Barataria Waterway at Lafitte (USACE82875)	-0.5	-0.4	0.9	1.1	0.5	-0.3	0.6	0.2	0.1	-0.3	-0.4	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	-0.1	-0.2	-0.2	0.0	0.1	0.0	-0.1	-0.1	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.1	0.0	0.0	0.0	0.6	0.6	0.0	0.0	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	-0.1	0.0	0.0	-0.1
USGS 07380335 - Little Lake Near Cutoff	-0.1	0.0	-0.1	-0.1	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.2	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.3	0.0	0.1	0.0	-0.1	0.0
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.3
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	0.1	0.1	0.0	0.5	0.2	0.4
CRMS 3985	0.0	0.0	0.0	0.1	0.0	0.0	0.2	0.4	0.0	0.0	0.1	0.2
CRMS 0258	0.0	-0.1	-0.1	-0.2	-0.2	-0.2	0.0	0.3	-0.1	-0.2	0.1	0.1
CRMS 0224	0.0	0.0	-0.1	-0.2	-0.2	-0.1	0.2	0.5	-0.1	0.0	-0.2	0.0
CRMS 0163	0.0	0.0	0.0	0.2	0.3	1.4	3.7	0.4	0.4	0.2	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.1	0.0	0.1	0.0	0.1

Figure WQ DO 119 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.3	9.1	8.1	7.3	6.9	6.7	6.8	8.2	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.4	9.1	9.2	9.9	8.6	10.8	9.2	8.2	7.6	7.9	10.0	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.8	8.9	7.7	13.2	11.1	10.1	9.2	10.1	10.3	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	10.0	9.3	8.5	8.0	7.7	7.6	7.6	8.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.0	9.0	7.5	6.5	6.1	5.9	6.5	8.0	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.3	9.1	8.2	7.1	6.7	6.5	6.6	8.1	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.7	9.2	10.4	9.2	8.3	7.3	6.8	6.5	6.3	7.6	9.1	8.6
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.6	9.7	8.9	8.0	7.9	7.6	7.0	8.7	9.4	9.1
HWQ14 - Lake Washington	10.8	10.0	10.6	9.1	7.9	6.9	6.3	6.0	6.3	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	8.6	9.1	8.2	7.3	7.2	6.2	5.9	6.0	7.0	9.2	8.4
CRMS 3985	10.9	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.3	7.7	9.5	9.5
CRMS 0258	10.7	9.5	10.2	10.4	10.4	10.8	10.1	9.7	7.7	8.7	9.2	9.3
CRMS 0224	10.3	9.1	9.8	9.6	9.0	8.2	7.3	6.7	7.0	8.6	9.0	8.5
CRMS 0163	10.9	10.7	10.0	9.0	7.8	7.7	12.8	15.0	8.5	9.0	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.7	6.2	7.3	6.5	8.1	8.8	9.4

V3PR9 HYST - cy 2 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.2	10.0	10.2	9.1	8.1	7.2	6.9	6.7	6.9	8.3	10.0	10.1
CRMS0276 - Just east of Wilkinson Canal	9.4	9.5	10.0	9.4	8.9	10.4	8.9	7.9	6.7	8.0	9.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.2	9.6	9.8	10.0	9.9	11.2	9.4	9.4	8.8	10.0	10.2	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	10.0	9.2	8.4	7.9	7.7	7.6	7.6	8.6	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.9	9.0	7.4	6.4	6.1	6.0	6.7	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	10.1	9.0	8.1	7.0	6.6	6.3	6.6	8.0	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.7	9.2	9.9	9.0	8.1	7.2	6.8	6.4	6.3	7.6	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	10.1	9.4	10.4	9.7	8.9	8.0	7.9	7.6	6.9	8.7	9.4	9.0
HWQ14 - Lake Washington	10.8	10.0	10.3	9.1	7.8	6.8	6.2	5.9	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.3	8.6	9.4	8.1	7.1	7.1	6.1	5.9	6.1	7.6	9.1	8.3
CRMS 3985	11.0	10.2	9.7	8.8	7.4	6.3	5.9	5.8	6.3	7.7	9.5	9.2
CRMS 0258	10.7	9.9	9.6	10.3	10.1	10.7	10.1	9.7	7.6	8.6	9.4	9.3
CRMS 0224	10.3	9.1	9.5	9.6	8.9	8.2	7.4	7.0	7.0	8.5	8.9	8.5
CRMS 0163	10.9	10.7	10.0	9.1	7.8	8.0	14.3	14.5	9.2	9.3	9.6	10.0
CRMS 0162	10.2	10.0	9.4	8.6	7.4	6.6	6.2	7.3	6.6	7.6	8.8	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.1	0.1	0.1	0.0	0.2
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.3	0.9	-0.5	0.4	-0.4	-0.2	-0.3	-1.0	0.1	-0.2	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.5	-0.8	0.0	1.1	2.2	-2.0	-1.7	-0.7	-0.4	0.0	-0.1	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.1	0.2	0.1	0.0	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.2	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	-0.5	-0.2	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.1
HWQ14 - Lake Washington	0.0	0.0	-0.3	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.0	-0.1
HWQ16 - Bayou Grand Liard	0.0	0.0	0.4	-0.1	-0.2	-0.1	-0.1	0.0	0.0	0.6	-0.1	-0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.3
CRMS 0258	0.0	0.3	-0.6	-0.1	-0.2	-0.1	0.0	0.1	0.0	-0.1	0.1	-0.1
CRMS 0224	0.0	0.0	-0.2	0.0	-0.1	-0.1	0.1	0.3	0.0	-0.1	0.0	0.0
CRMS 0163	0.0	0.0	0.0	0.1	0.0	0.3	1.4	-0.5	0.7	0.3	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	-0.1	0.0	0.1	0.1	-0.5	0.0	0.0

Figure WQ DO 120 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.5	8.7	7.9	7.2	6.7	6.9	8.3	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.6	9.1	9.8	9.0	8.7	7.2	7.0	7.8	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.3	8.6	10.0	9.7	9.2	9.0	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.5	9.9	9.2	8.7	8.0	7.6	7.6	8.5	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.5	8.0	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.5	7.5	7.2	6.8	7.0	8.1	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	10.4	9.3	8.4	7.2	6.9	6.1	6.4	7.4	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.5	9.9	9.1	8.5	8.3	7.1	7.3	8.8	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.6	9.1	8.0	7.1	6.4	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.5	9.0	8.7	8.3	7.7	6.7	6.3	8.7	6.2	7.4	8.0	7.9
CRMS 3985	11.0	10.2	9.8	8.8	7.5	6.4	6.0	5.8	6.3	7.5	9.6	9.4
CRMS 0258	10.6	9.8	10.8	10.8	10.7	10.6	8.6	7.7	8.1	8.8	9.5	9.0
CRMS 0224	10.1	9.5	10.5	10.2	9.7	9.3	8.4	8.1	7.6	8.7	9.0	8.7
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.0	13.2	13.1	8.5	8.5	9.5	9.9
CRMS 0162	10.4	9.9	9.2	8.5	7.7	6.7	6.4	7.0	8.7	7.6	8.9	9.3

V3PR2 HYST - cy 3 - 2002 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.3	8.9	9.1	8.3	7.7	7.0	6.7	6.7	7.1	8.0	9.1	9.2
CRMS0276 - Just east of Wilkinson Canal	9.9	9.8	9.8	9.7	9.9	8.6	8.4	7.4	7.1	7.7	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.6	8.9	10.0	9.7	9.2	9.0	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.7	10.1	9.0	7.9	6.9	9.0	7.8	7.1	8.7	9.3	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.6	10.0	9.4	8.9	8.9	7.1	6.5	6.8	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	10.5	10.2	9.7	9.3	9.5	7.6	7.0	7.0	8.3	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	10.1	10.2	10.4	9.6	8.7	7.9	6.6	5.9	6.3	7.3	8.7	8.8
USGS073802516 Barataria Pass at Grand Isle	10.3	10.0	11.1	10.2	9.3	8.8	8.3	7.2	7.0	8.7	9.3	9.3
HWQ14 - Lake Washington	10.8	10.2	10.8	9.8	8.3	7.2	6.3	6.0	6.2	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.7	9.3	9.2	8.7	7.7	6.6	6.0	8.5	6.1	7.4	8.0	8.0
CRMS 3985	11.1	10.4	9.9	9.5	8.2	6.7	5.9	5.8	6.4	7.6	9.5	9.3
CRMS 0258	11.1	10.4	10.7	10.8	12.4	12.8	9.8	8.6	8.5	9.1	9.4	9.3
CRMS 0224	10.8	10.3	10.7	10.9	12.2	12.0	9.6	8.6	7.8	8.8	9.1	9.1
CRMS 0163	10.8	10.5	9.9	8.8	7.8	7.2	13.7	13.3	8.7	8.6	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.6	6.7	6.4	7.7	9.0	7.9	8.8	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.8	-1.0	-1.4	-1.2	-1.0	-0.8	-0.5	0.0	0.3	-0.3	-0.8	-0.8
CRMS0276 - Just east of Wilkinson Canal	0.3	0.0	0.2	0.6	0.0	-0.3	-0.2	0.2	0.1	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.3	0.3	0.0	0.1	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.9	-0.4	-0.8	-1.3	-1.7	1.0	0.1	-0.5	0.2	-0.6	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.5	-0.4	0.5	1.3	2.4	1.0	0.4	0.2	0.2	0.0	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.0	-0.2	0.4	0.8	2.0	0.4	0.2	0.0	0.1	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	0.6	0.8	0.1	0.4	0.3	0.7	-0.4	-0.2	-0.2	-0.1	0.0	0.3
USGS073802516 Barataria Pass at Grand Isle	0.4	0.6	0.6	0.3	0.2	0.3	0.0	0.2	-0.3	-0.1	0.1	0.2
HWQ14 - Lake Washington	0.2	0.3	0.2	0.7	0.3	0.1	-0.1	0.0	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.2	0.3	0.5	0.4	0.1	-0.2	-0.3	-0.2	-0.1	-0.1	0.0	0.1
CRMS 3985	0.1	0.1	0.0	0.7	0.7	0.3	0.0	0.1	0.0	0.0	0.0	-0.1
CRMS 0258	0.5	0.6	-0.1	0.1	1.7	2.2	1.2	0.9	0.3	0.3	-0.1	0.3
CRMS 0224	0.7	0.8	0.2	0.7	2.5	2.7	1.2	0.5	0.2	0.1	0.1	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.5	0.2	0.2	0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.3	0.2	0.0	-0.1

Figure WQ DO 121 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.6	8.9	8.0	7.1	6.8	6.9	8.3	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.5	10.1	11.0	9.8	8.3	7.4	7.1	7.9	9.4	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.9	9.0	11.3	9.3	9.0	8.2	10.0	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.3	8.7	7.9	7.6	7.7	8.5	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.7	6.6	6.1	6.2	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.6	7.5	7.2	6.9	7.0	8.2	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.5	9.4	10.5	9.3	8.4	7.4	7.0	6.2	6.5	7.5	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.6	10.0	9.2	8.4	8.2	7.2	7.4	8.7	9.2	8.9
HWQ14 - Lake Washington	10.7	9.9	10.5	9.1	8.0	7.2	6.5	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.4	9.0	9.0	8.7	7.8	6.7	6.4	8.2	6.1	7.7	9.0	8.2
CRMS 3985	11.0	10.2	10.0	8.8	7.5	6.5	6.0	6.0	6.4	7.8	9.6	9.3
CRMS 0258	10.7	9.9	10.9	11.2	10.9	10.3	8.7	7.8	8.2	8.8	9.5	9.1
CRMS 0224	10.1	9.5	10.7	10.4	9.9	9.1	8.2	8.2	7.8	8.8	8.9	8.6
CRMS 0163	11.0	10.4	9.5	8.8	7.7	9.9	12.0	11.9	7.7	9.6	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.3	7.5	9.1	8.7	9.4

V3PR2 HYST - cy 3 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	8.9	8.5	8.3	7.7	7.0	6.7	6.7	7.1	8.0	9.1	8.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.6	10.0	10.4	9.6	8.3	7.5	7.2	7.8	9.5	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.6	9.0	9.3	11.2	9.4	9.0	8.2	9.9	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.6	9.8	9.0	7.8	9.5	8.7	7.8	7.1	8.9	9.3	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.9	9.4	9.8	8.0	6.7	6.4	6.8	8.2	9.7	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	10.6	10.0	10.1	10.0	8.6	7.3	7.0	7.0	8.3	9.1	9.5
USGS 07380335 - Little Lake Near Cutoff	10.0	10.3	9.9	10.2	9.6	7.6	6.7	6.0	6.3	7.4	9.0	9.0
USGS073802516 Barataria Pass at Grand Isle	10.3	10.1	10.4	10.2	9.4	8.7	8.2	7.1	7.0	8.7	9.3	9.3
HWQ14 - Lake Washington	10.8	10.2	10.3	9.8	8.4	7.4	6.3	6.0	6.2	7.7	9.5	9.4
HWQ16 - Bayou Grand Liard	8.5	9.4	9.5	9.1	7.8	6.6	6.1	8.0	6.0	7.4	8.7	8.2
CRMS 3985	11.1	10.4	10.0	9.5	8.4	6.6	6.0	5.9	6.4	7.6	9.6	9.4
CRMS 0258	11.0	10.4	10.2	11.4	12.7	10.8	9.4	8.5	8.5	9.1	9.2	9.4
CRMS 0224	10.7	10.3	10.1	11.3	12.4	10.1	8.8	8.6	8.0	9.0	9.0	9.2
CRMS 0163	10.9	10.4	9.6	8.8	7.7	10.2	12.5	11.9	7.8	9.5	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.3	7.6	8.9	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.1	-1.1	-2.0	-1.3	-1.2	-1.0	-0.4	0.0	0.2	-0.3	-0.8	-1.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	-0.1	-0.6	-0.2	0.1	0.1	0.1	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.3	-0.1	0.1	0.0	0.0	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.6	0.7	-0.8	-0.9	-1.5	0.8	0.7	0.1	-0.6	0.3	-0.6	0.2
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.4	0.5	2.1	1.4	0.6	0.3	0.2	0.1	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.1	-0.4	0.8	1.4	1.1	0.1	0.1	0.0	0.1	0.0	0.6
USGS 07380335 - Little Lake Near Cutoff	0.5	0.9	-0.6	0.9	1.2	0.1	-0.3	-0.1	-0.2	-0.1	-0.2	0.5
USGS073802516 Barataria Pass at Grand Isle	0.4	0.7	-0.3	0.2	0.2	0.3	-0.1	-0.1	-0.3	0.0	0.0	0.3
HWQ14 - Lake Washington	0.2	0.3	-0.2	0.7	0.3	0.2	-0.1	-0.1	-0.1	-0.3	0.0	0.0
HWQ16 - Bayou Grand Liard	0.2	0.3	0.5	0.4	0.0	-0.1	-0.3	-0.2	-0.1	-0.3	-0.2	0.0
CRMS 3985	0.1	0.2	0.0	0.8	0.9	0.2	-0.1	-0.1	0.0	-0.1	0.0	0.1
CRMS 0258	0.4	0.5	-0.7	0.3	1.8	0.5	0.6	0.7	0.3	0.3	-0.3	0.3
CRMS 0224	0.6	0.8	-0.6	0.9	2.5	1.0	0.6	0.4	0.2	0.2	0.0	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	0.5	0.0	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.0

Figure WQ DO 122 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.9	10.4	9.3	8.4	7.2	6.8	6.8	6.9	8.3	10.1	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.6	9.2	9.2	8.8	8.2	7.8	7.2	6.6	7.6	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.1	9.3	9.9	9.8	8.0	8.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	10.3	9.6	8.9	8.2	7.7	7.6	7.6	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	9.0	7.5	6.5	6.6	6.7	6.7	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.4	9.2	8.4	7.4	7.1	6.7	6.9	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	10.3	9.1	8.5	7.5	6.8	6.3	6.6	7.3	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.7	9.0	8.0	7.8	6.9	7.3	8.5	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.7	9.3	8.1	7.0	6.6	6.3	6.5	8.0	9.6	9.4
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.0	7.2	6.6	7.3	8.3	7.0	7.9	8.2	8.0
CRMS 3985	11.0	10.2	9.8	9.1	7.5	6.6	6.8	6.7	6.7	7.8	9.6	9.5
CRMS 0258	10.6	9.7	10.5	10.5	10.2	8.9	7.9	7.5	7.5	8.6	9.6	9.4
CRMS 0224	10.1	9.3	10.3	9.9	9.3	8.6	7.9	7.5	7.4	8.5	9.0	9.0
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.4	13.8	12.0	8.9	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.3	8.5	7.9	7.7	7.4	9.2	8.5	7.8	8.9	9.4

V3PR2 HYST - cy 3 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.4	9.3	8.8	7.7	7.0	6.7	6.7	7.2	8.0	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.6	9.5	9.4	9.2	8.5	7.9	7.2	6.7	7.6	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.2	9.4	9.9	9.8	7.7	8.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.8	10.0	9.7	8.8	8.1	8.2	7.7	7.0	8.5	9.3	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	10.0	9.4	8.6	7.0	6.4	6.5	6.9	8.2	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.3	10.6	9.4	9.0	7.5	7.1	6.8	7.0	8.2	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.6	9.9	10.7	9.2	8.1	7.2	6.7	6.0	6.5	7.3	8.7	8.9
USGS073802516 Barataria Pass at Grand Isle	10.0	9.9	10.8	9.8	9.2	8.1	7.8	6.9	7.1	8.5	9.3	9.4
HWQ14 - Lake Washington	10.7	10.2	10.9	9.6	8.2	7.1	6.4	6.1	6.4	7.8	9.6	9.5
HWQ16 - Bayou Grand Liard	8.3	9.0	8.7	8.1	7.3	6.5	7.3	8.2	6.5	7.7	8.1	8.0
CRMS 3985	11.0	10.3	9.8	8.9	7.8	6.6	6.1	6.2	6.6	7.7	9.6	9.7
CRMS 0258	10.7	10.1	10.9	10.5	10.7	8.9	8.2	7.9	7.5	8.7	9.6	9.5
CRMS 0224	10.3	10.0	10.9	9.8	10.3	8.7	8.1	8.0	7.7	8.6	9.1	9.2
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.6	13.9	12.0	8.4	8.2	9.4	9.8
CRMS 0162	9.9	10.0	9.3	8.5	7.9	7.2	7.8	9.0	8.3	8.1	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	-0.5	-1.1	-0.5	-0.7	-0.2	-0.1	0.0	0.3	-0.3	-1.0	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.3	0.1	0.4	0.3	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.3	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	1.0	-0.3	0.0	-0.1	-0.1	0.5	0.1	-0.5	0.1	-0.6	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.1	0.4	1.1	0.5	-0.2	-0.1	0.2	0.0	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.9	0.2	0.2	0.6	0.1	0.1	0.1	0.0	0.2	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	0.1	0.7	0.4	0.1	-0.4	-0.3	-0.2	-0.2	-0.2	0.0	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.6	0.2	0.0	0.2	0.1	0.0	0.0	-0.2	0.1	0.1	0.2
HWQ14 - Lake Washington	0.1	0.3	0.2	0.4	0.1	0.1	-0.2	-0.3	-0.1	-0.2	0.0	0.1
HWQ16 - Bayou Grand Liard	0.1	0.2	0.2	0.1	0.2	-0.1	0.0	-0.1	-0.5	-0.2	0.0	0.0
CRMS 3985	0.0	0.1	0.0	-0.2	0.3	0.0	-0.7	-0.4	-0.1	0.0	0.0	0.3
CRMS 0258	0.1	0.4	0.5	0.0	0.4	0.0	0.3	0.4	0.1	0.1	0.0	0.1
CRMS 0224	0.2	0.7	0.6	-0.1	1.0	0.1	0.3	0.5	0.2	0.2	0.2	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.0	-0.4	0.0	0.0	0.0
CRMS 0162	-0.1	0.0	0.0	0.0	0.0	-0.5	0.3	-0.2	-0.1	0.4	0.0	0.0

Figure WQ DO 123 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.6	9.5	8.7	7.8	7.2	7.2	7.4	8.6	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.9	10.0	9.3	8.9	8.6	7.9	7.6	8.2	8.9	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.0	8.9	9.2	7.4	7.7	7.2	9.7	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.1	8.7	8.0	7.8	7.9	8.8	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.7	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.2	8.4	7.4	7.1	7.0	7.1	8.3	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.5	10.5	9.3	8.3	7.2	6.8	6.5	6.5	7.6	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.5	10.5	10.0	9.1	8.4	8.2	7.8	7.4	9.0	9.4	9.2
HWQ14 - Lake Washington	10.6	9.9	10.5	9.1	8.0	7.0	6.3	6.0	6.4	7.9	9.7	9.6
HWQ16 - Bayou Grand Liard	8.6	9.1	8.9	8.5	7.4	6.7	6.1	5.8	6.1	6.9	8.2	8.6
CRMS 3985	11.0	10.2	9.9	8.7	7.4	6.4	5.9	5.8	6.4	7.7	9.7	9.3
CRMS 0258	10.7	9.9	11.0	11.0	10.5	10.6	9.5	9.4	9.0	9.4	9.4	8.9
CRMS 0224	10.2	9.6	10.6	10.3	9.6	9.3	8.5	8.4	8.4	9.2	9.2	8.6
CRMS 0163	10.9	10.2	9.7	8.8	7.9	7.2	7.2	9.7	7.3	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.9	6.8	6.3	6.3	6.5	7.4	8.7	9.2

V3PR2 HYST - cy 3 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	8.9	8.6	8.3	7.7	7.0	6.6	6.8	7.1	8.0	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.1	9.9	10.1	9.9	9.8	8.8	8.4	8.3	7.6	8.1	8.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.2	9.1	9.5	7.7	7.7	7.1	9.6	10.1	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.5	10.1	9.1	8.0	6.9	6.7	8.2	7.9	9.2	9.3	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	10.0	9.7	8.7	8.7	7.6	7.6	6.8	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.6	10.2	10.2	9.1	9.5	8.8	8.5	7.1	8.3	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.5	10.4	10.4	10.3	8.3	7.7	6.5	6.2	6.2	7.4	8.7	8.7
USGS073802516 Barataria Pass at Grand Isle	10.5	10.2	11.0	9.9	9.4	8.6	7.7	7.6	7.2	8.8	9.3	9.3
HWQ14 - Lake Washington	10.8	10.3	10.7	9.7	8.4	7.2	6.1	5.8	6.1	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.0	9.5	9.6	8.9	7.6	6.6	6.2	5.8	6.0	6.8	8.0	8.4
CRMS 3985	11.1	10.4	10.0	9.5	8.1	6.6	6.0	5.8	6.4	7.5	9.5	9.5
CRMS 0258	11.3	10.5	10.6	10.9	11.9	12.1	11.8	10.8	9.6	9.9	9.3	9.1
CRMS 0224	11.1	10.4	10.5	10.8	12.1	11.6	11.4	10.3	8.7	9.1	9.2	9.0
CRMS 0163	10.9	10.3	9.7	8.9	7.9	7.6	7.7	10.5	7.3	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.9	6.8	6.3	6.3	6.5	7.4	8.6	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-1.1	-1.9	-1.2	-0.9	-0.8	-0.6	-0.4	-0.2	-0.7	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.4	0.0	0.2	-0.1	0.5	-0.2	-0.2	0.4	0.0	-0.1	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.3	0.3	0.3	0.0	-0.1	0.0	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.6	-0.5	-0.8	-1.1	-1.8	-1.3	0.4	0.0	0.4	-0.7	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.3	0.8	1.1	2.2	1.6	1.5	0.1	0.0	0.0	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	1.1	-0.1	0.9	0.7	2.0	1.7	1.4	0.0	0.0	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.9	0.9	-0.1	1.0	0.0	0.5	-0.4	-0.4	-0.3	-0.2	-0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.7	0.8	0.5	-0.1	0.4	0.2	-0.5	-0.2	-0.1	-0.1	-0.1	0.1
HWQ14 - Lake Washington	0.2	0.3	0.2	0.6	0.4	0.2	-0.3	-0.2	-0.2	-0.3	-0.2	-0.3
HWQ16 - Bayou Grand Liard	0.4	0.4	0.7	0.4	0.2	-0.1	0.1	0.0	-0.1	-0.1	-0.2	-0.2
CRMS 3985	0.1	0.2	0.2	0.7	0.7	0.2	0.0	0.0	0.0	-0.1	-0.1	0.2
CRMS 0258	0.6	0.6	-0.4	-0.1	1.4	1.5	2.3	1.4	0.6	0.6	-0.1	0.2
CRMS 0224	1.0	0.8	-0.1	0.5	2.5	2.3	2.9	2.0	0.4	-0.1	0.0	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.4	0.5	0.8	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1

Figure WQ DO 124 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.8	10.3	9.5	8.7	8.0	7.4	7.1	7.1	8.5	9.9	10.1
CRMS0276 - Just east of Wilkinson Canal	9.3	9.2	9.2	9.1	8.2	10.4	9.4	8.1	7.6	8.0	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.7	9.6	9.1	8.1	10.2	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	10.2	10.0	9.3	8.8	8.0	7.7	7.8	8.7	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	9.0	7.6	6.5	6.2	6.0	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.3	9.2	8.5	7.5	7.2	7.2	7.1	8.3	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.1	10.2	9.3	8.0	7.3	7.1	6.7	6.5	7.6	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.8	9.1	8.4	8.4	8.0	7.4	8.9	9.3	8.9
HWQ14 - Lake Washington	10.7	9.9	10.8	9.2	8.0	7.1	6.5	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.2	8.6	9.0	8.3	7.3	7.1	6.2	6.1	6.1	7.0	9.0	8.4
CRMS 3985	11.0	10.3	9.8	8.9	7.5	6.4	6.0	5.9	6.4	7.7	9.5	9.3
CRMS 0258	10.5	9.4	9.9	10.3	10.7	10.6	9.6	9.2	8.6	9.2	9.4	9.2
CRMS 0224	10.1	9.2	10.0	10.1	10.0	9.3	8.4	8.3	8.2	9.1	9.0	8.6
CRMS 0163	10.7	10.6	9.7	8.8	7.5	6.8	8.4	12.3	7.6	8.7	9.5	9.7
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.5	6.2	6.4	6.5	8.1	8.7	9.4

V3PR2 HYST - cy 3 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.6	8.3	7.4	7.0	6.6	6.7	7.1	8.0	9.1	8.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.2	9.2	9.6	8.4	9.7	8.6	8.3	7.5	7.9	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.8	9.9	8.9	8.0	10.2	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	10.0	9.1	7.6	6.8	6.9	8.5	7.5	9.2	9.3	10.0
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.3	8.2	9.9	8.3	6.9	6.7	8.2	9.7	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	9.9	9.5	8.5	10.5	9.2	7.5	7.1	8.3	9.1	9.8
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	9.7	9.5	8.0	8.8	6.6	6.2	6.2	7.4	8.8	9.4
USGS073802516 Barataria Pass at Grand Isle	10.0	9.5	9.9	10.3	9.1	8.7	8.1	8.2	7.2	8.9	9.4	9.4
HWQ14 - Lake Washington	10.8	10.0	9.9	10.0	8.2	7.2	6.1	5.9	6.1	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.3	8.7	9.2	8.7	7.4	6.9	6.3	5.8	6.0	6.8	8.8	8.6
CRMS 3985	11.0	10.3	9.8	9.4	8.1	6.7	6.0	5.7	6.4	7.5	9.6	9.5
CRMS 0258	10.7	9.5	9.9	10.4	12.0	13.0	12.0	10.5	9.3	9.8	9.3	9.7
CRMS 0224	10.3	9.4	9.8	10.4	11.3	12.7	11.5	9.6	8.6	9.1	9.1	9.6
CRMS 0163	10.7	10.6	9.8	8.9	7.5	6.9	9.5	12.9	7.7	8.7	9.5	9.7
CRMS 0162	9.9	9.5	9.3	8.5	7.4	6.6	6.2	6.4	6.5	8.5	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	0.4	-1.7	-1.2	-1.3	-0.9	-0.8	-0.4	0.0	-0.5	-0.9	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.0	0.5	0.1	-0.7	-0.8	0.1	-0.1	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.1	0.3	-0.2	-0.1	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.5	-0.3	-0.9	-1.7	-2.0	-1.1	0.8	-0.3	0.5	-0.6	0.5
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.3	0.3	0.6	3.3	2.2	1.0	0.1	0.1	0.0	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.4	0.3	-0.1	2.9	1.9	0.3	0.0	0.0	-0.1	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.5	0.2	0.0	1.4	-0.4	-0.5	-0.3	-0.2	-0.5	0.9
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.7	0.5	0.0	0.3	-0.3	0.3	-0.3	0.0	0.1	0.5
HWQ14 - Lake Washington	0.1	0.1	-0.8	0.8	0.2	0.1	-0.4	-0.3	-0.2	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	0.4	0.1	-0.2	0.1	-0.3	-0.1	-0.1	-0.3	0.2
CRMS 3985	0.0	0.0	0.0	0.5	0.7	0.3	0.0	-0.1	0.0	-0.2	0.0	0.2
CRMS 0258	0.1	0.1	0.0	0.1	1.3	2.4	2.4	1.3	0.7	0.6	-0.1	0.6
CRMS 0224	0.2	0.3	-0.2	0.4	1.3	3.4	3.1	1.4	0.3	0.0	0.1	1.0
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	1.1	0.6	0.1	0.0	0.0	0.0
CRMS 0162	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.0	0.0

Figure WQ DO 125 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.5	8.7	7.9	7.2	6.7	6.9	8.3	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.6	9.1	9.8	9.0	8.7	7.2	7.0	7.8	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.3	8.6	10.0	9.7	9.2	9.0	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.5	9.9	9.2	8.7	8.0	7.6	7.6	8.5	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.5	8.0	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.5	7.5	7.2	6.8	7.0	8.1	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	10.4	9.3	8.4	7.2	6.9	6.1	6.4	7.4	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.5	9.9	9.1	8.5	8.3	7.1	7.3	8.8	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.6	9.1	8.0	7.1	6.4	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.5	9.0	8.7	8.3	7.7	6.7	6.3	8.7	6.2	7.4	8.0	7.9
CRMS 3985	11.0	10.2	9.8	8.8	7.5	6.4	6.0	5.8	6.3	7.5	9.6	9.4
CRMS 0258	10.6	9.8	10.8	10.8	10.7	10.6	8.6	7.7	8.1	8.8	9.5	9.0
CRMS 0224	10.1	9.5	10.5	10.2	9.7	9.3	8.4	8.1	7.6	8.7	9.0	8.7
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.0	13.2	13.1	8.5	8.5	9.5	9.9
CRMS 0162	10.4	9.9	9.2	8.5	7.7	6.7	6.4	7.0	8.7	7.6	8.9	9.3

V3PR3 HYST - cy 3 - 2002 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.3	8.9	9.1	8.3	7.7	7.0	6.4	6.5	7.0	7.9	9.1	9.2
CRMS0276 - Just east of Wilkinson Canal	9.9	9.8	9.8	9.6	9.9	8.6	8.5	7.4	7.1	7.7	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.5	8.9	10.0	9.8	9.2	9.0	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.7	10.1	9.0	7.9	6.9	10.0	8.8	7.6	9.2	9.5	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.6	10.0	9.4	8.9	8.9	7.1	6.5	6.8	8.1	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.5	10.2	9.7	9.3	9.5	7.6	7.0	7.0	8.3	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	10.1	10.2	10.4	9.6	8.7	7.8	6.5	6.0	6.2	7.3	8.7	8.9
USGS073802516 Barataria Pass at Grand Isle	10.3	10.0	11.1	10.2	9.2	8.7	8.3	7.3	7.0	8.7	9.3	9.3
HWQ14 - Lake Washington	10.8	10.2	10.8	9.8	8.3	7.2	6.3	6.0	6.2	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.7	9.3	9.2	8.7	7.7	6.6	6.0	8.2	6.1	7.5	8.0	8.0
CRMS 3985	11.1	10.4	9.9	9.5	8.2	6.7	5.9	5.8	6.4	7.5	9.5	9.3
CRMS 0258	11.1	10.4	10.7	10.9	12.5	12.9	9.9	8.7	8.6	9.2	9.4	9.4
CRMS 0224	10.8	10.3	10.8	10.9	12.2	11.9	9.6	8.7	7.9	8.9	9.2	9.2
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.2	13.6	12.9	8.5	8.5	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.6	6.7	6.4	7.5	9.3	8.5	8.8	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.8	-1.0	-1.4	-1.2	-1.0	-0.8	-0.7	-0.3	0.1	-0.4	-0.9	-0.8
CRMS0276 - Just east of Wilkinson Canal	0.3	0.0	0.2	0.6	0.1	-0.4	-0.2	0.2	0.1	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.1	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.8	-0.4	-0.9	-1.3	-1.8	2.1	1.2	0.0	0.7	-0.4	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.5	-0.4	0.5	1.3	2.4	1.0	0.4	0.2	0.1	0.0	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.0	-0.2	0.4	0.8	2.0	0.4	0.3	0.0	0.1	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	0.6	0.8	0.1	0.4	0.3	0.7	-0.4	-0.1	-0.2	-0.1	0.0	0.3
USGS073802516 Barataria Pass at Grand Isle	0.4	0.6	0.6	0.3	0.2	0.3	0.0	0.2	-0.3	-0.1	0.1	0.2
HWQ14 - Lake Washington	0.2	0.3	0.2	0.7	0.2	0.1	-0.1	0.0	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.2	0.3	0.5	0.4	0.1	-0.2	-0.3	-0.5	-0.1	0.0	0.0	0.1
CRMS 3985	0.1	0.1	0.0	0.7	0.7	0.3	0.0	0.1	0.0	0.0	0.0	-0.1
CRMS 0258	0.5	0.6	-0.1	0.1	1.8	2.3	1.3	1.0	0.5	0.4	-0.1	0.4
CRMS 0224	0.7	0.8	0.3	0.7	2.5	2.6	1.2	0.7	0.3	0.1	0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.4	-0.2	0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.5	0.6	0.8	0.0	0.0

Figure WQ DO 126 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.6	8.9	8.0	7.1	6.8	6.9	8.3	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.5	10.1	11.0	9.8	8.3	7.4	7.1	7.9	9.4	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.9	9.0	11.3	9.3	9.0	8.2	10.0	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.3	8.7	7.9	7.6	7.7	8.5	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.7	6.6	6.1	6.2	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.6	7.5	7.2	6.9	7.0	8.2	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.5	9.4	10.5	9.3	8.4	7.4	7.0	6.2	6.5	7.5	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.6	10.0	9.2	8.4	8.2	7.2	7.4	8.7	9.2	8.9
HWQ14 - Lake Washington	10.7	9.9	10.5	9.1	8.0	7.2	6.5	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.4	9.0	9.0	8.7	7.8	6.7	6.4	8.2	6.1	7.7	9.0	8.2
CRMS 3985	11.0	10.2	10.0	8.8	7.5	6.5	6.0	6.0	6.4	7.8	9.6	9.3
CRMS 0258	10.7	9.9	10.9	11.2	10.9	10.3	8.7	7.8	8.2	8.8	9.5	9.1
CRMS 0224	10.1	9.5	10.7	10.4	9.9	9.1	8.2	8.2	7.8	8.8	8.9	8.6
CRMS 0163	11.0	10.4	9.5	8.8	7.7	9.9	12.0	11.9	7.7	9.6	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.3	7.5	9.1	8.7	9.4

V3PR3 HYST - cy 3 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	8.9	8.5	8.3	7.7	6.9	6.5	6.5	6.9	7.9	9.1	8.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.6	9.9	10.4	9.5	8.4	7.6	7.2	7.8	9.4	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.9	9.2	11.3	9.5	9.0	8.2	10.0	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.6	9.7	9.0	7.8	9.9	9.9	8.9	7.7	9.4	9.4	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.9	9.4	9.8	8.0	6.7	6.5	6.8	8.2	9.7	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.6	10.0	10.1	10.0	8.6	7.3	7.0	7.0	8.3	9.1	9.5
USGS 07380335 - Little Lake Near Cutoff	10.0	10.3	9.9	10.2	9.6	7.5	6.7	6.1	6.3	7.4	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.3	10.1	10.4	10.2	9.4	8.7	8.2	7.1	7.0	8.7	9.3	9.3
HWQ14 - Lake Washington	10.8	10.2	10.3	9.8	8.4	7.4	6.3	6.0	6.2	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.5	9.4	9.5	9.0	7.8	6.6	6.1	7.9	6.0	7.4	8.7	8.2
CRMS 3985	11.1	10.4	10.0	9.6	8.4	6.7	6.0	5.9	6.4	7.6	9.6	9.4
CRMS 0258	11.0	10.4	10.2	11.4	12.7	10.8	9.4	8.5	8.6	9.2	9.3	9.5
CRMS 0224	10.7	10.4	10.1	11.3	12.4	10.1	8.8	8.6	8.1	9.1	9.0	9.2
CRMS 0163	10.9	10.4	9.6	8.8	7.7	10.1	12.3	11.9	7.8	9.4	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.3	7.7	9.1	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.1	-1.1	-2.0	-1.3	-1.2	-1.1	-0.6	-0.3	0.0	-0.4	-0.8	-1.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	-0.1	-0.6	-0.3	0.1	0.2	0.1	-0.1	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.2	0.0	0.2	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.6	0.7	-0.9	-1.0	-1.5	1.2	2.0	1.3	0.0	0.8	-0.5	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.4	0.5	2.1	1.4	0.6	0.3	0.2	0.1	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.1	-0.4	0.8	1.5	1.1	0.1	0.1	0.0	0.1	-0.1	0.6
USGS 07380335 - Little Lake Near Cutoff	0.5	0.9	-0.6	0.9	1.2	0.1	-0.3	-0.1	-0.2	-0.1	-0.3	0.5
USGS073802516 Barataria Pass at Grand Isle	0.4	0.7	-0.2	0.2	0.2	0.3	-0.1	-0.1	-0.3	0.0	0.1	0.4
HWQ14 - Lake Washington	0.2	0.3	-0.1	0.7	0.3	0.2	-0.1	-0.1	-0.1	-0.3	0.0	0.0
HWQ16 - Bayou Grand Liard	0.2	0.4	0.5	0.4	0.0	0.0	-0.3	-0.3	-0.1	-0.3	-0.2	0.0
CRMS 3985	0.1	0.2	0.0	0.8	0.9	0.2	-0.1	0.0	0.0	-0.1	0.0	0.1
CRMS 0258	0.4	0.5	-0.7	0.3	1.8	0.5	0.6	0.8	0.4	0.3	-0.2	0.3
CRMS 0224	0.6	0.8	-0.6	0.9	2.5	1.0	0.6	0.4	0.3	0.2	0.1	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.3	0.0	0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0	0.0

Figure WQ DO 127 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.9	10.4	9.3	8.4	7.2	6.8	6.8	6.9	8.3	10.1	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.6	9.2	9.2	8.8	8.2	7.8	7.2	6.6	7.6	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.1	9.3	9.9	9.8	8.0	8.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	10.3	9.6	8.9	8.2	7.7	7.6	7.6	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	9.0	7.5	6.5	6.6	6.7	6.7	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.4	9.2	8.4	7.4	7.1	6.7	6.9	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	10.3	9.1	8.5	7.5	6.8	6.3	6.6	7.3	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.7	9.0	8.0	7.8	6.9	7.3	8.5	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.7	9.3	8.1	7.0	6.6	6.3	6.5	8.0	9.6	9.4
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.0	7.2	6.6	7.3	8.3	7.0	7.9	8.2	8.0
CRMS 3985	11.0	10.2	9.8	9.1	7.5	6.6	6.8	6.7	6.7	7.8	9.6	9.5
CRMS 0258	10.6	9.7	10.5	10.5	10.2	8.9	7.9	7.5	7.5	8.6	9.6	9.4
CRMS 0224	10.1	9.3	10.3	9.9	9.3	8.6	7.9	7.5	7.4	8.5	9.0	9.0
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.4	13.8	12.0	8.9	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.3	8.5	7.9	7.7	7.4	9.2	8.5	7.8	8.9	9.4

V3PR3 HYST - cy 3 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.4	9.3	8.8	7.7	6.9	6.5	6.6	7.0	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.6	9.5	9.4	9.2	8.4	7.9	7.2	6.7	7.6	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.2	9.4	10.0	9.8	7.7	8.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.8	10.1	9.8	8.9	8.8	9.0	8.4	7.5	9.0	9.5	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	10.0	9.4	8.6	7.0	6.4	6.5	6.9	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.3	10.5	9.4	9.0	7.5	7.1	6.8	7.0	8.2	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.6	9.9	10.6	9.2	8.1	7.2	6.7	6.0	6.5	7.3	8.7	8.9
USGS073802516 Barataria Pass at Grand Isle	10.0	9.9	10.9	9.7	9.2	8.1	7.8	6.9	7.1	8.5	9.3	9.3
HWQ14 - Lake Washington	10.8	10.2	10.9	9.6	8.2	7.1	6.4	6.1	6.4	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	9.0	8.7	8.1	7.3	6.5	7.3	8.2	6.4	7.6	8.0	8.1
CRMS 3985	11.0	10.3	9.8	8.9	7.8	6.6	6.1	6.2	6.6	7.7	9.6	9.4
CRMS 0258	10.7	10.1	11.0	10.5	10.8	8.9	8.2	7.9	7.6	8.8	9.6	9.6
CRMS 0224	10.3	10.0	11.0	9.8	10.3	8.7	8.1	8.0	7.7	8.6	9.2	9.3
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.5	13.9	11.9	8.2	8.2	9.4	9.8
CRMS 0162	9.9	10.0	9.2	8.5	7.8	7.4	7.7	9.0	8.4	7.8	8.8	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	-0.5	-1.1	-0.5	-0.7	-0.3	-0.3	-0.2	0.1	-0.4	-1.0	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.3	0.2	0.4	0.2	0.1	0.0	0.1	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.3	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	1.0	-0.3	0.1	0.0	0.5	1.2	0.8	-0.1	0.6	-0.5	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.1	0.4	1.1	0.5	-0.2	-0.2	0.2	0.1	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.9	0.1	0.2	0.6	0.2	0.1	0.1	0.0	0.2	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	0.1	0.7	0.3	0.1	-0.4	-0.3	-0.2	-0.2	-0.2	0.0	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.6	0.2	0.0	0.2	0.1	0.0	0.0	-0.2	0.1	0.2	0.2
HWQ14 - Lake Washington	0.1	0.2	0.2	0.3	0.1	0.1	-0.2	-0.3	-0.1	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.2	0.1	0.1	0.2	-0.1	0.0	-0.1	-0.5	-0.3	-0.1	0.1
CRMS 3985	0.0	0.1	0.0	-0.1	0.3	0.0	-0.7	-0.4	-0.1	0.0	0.0	0.0
CRMS 0258	0.1	0.4	0.5	0.0	0.5	0.0	0.3	0.4	0.1	0.1	0.1	0.1
CRMS 0224	0.2	0.7	0.6	-0.2	1.0	0.1	0.3	0.5	0.2	0.1	0.2	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.1	-0.1	-0.7	0.0	0.0	0.0
CRMS 0162	-0.1	-0.1	0.0	0.0	-0.1	-0.3	0.3	-0.2	-0.1	0.0	-0.1	0.0

Figure WQ DO 128 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.6	9.5	8.7	7.8	7.2	7.2	7.4	8.6	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.9	10.0	9.3	8.9	8.6	7.9	7.6	8.2	8.9	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.0	8.9	9.2	7.4	7.7	7.2	9.7	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.1	8.7	8.0	7.8	7.9	8.8	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.7	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.2	8.4	7.4	7.1	7.0	7.1	8.3	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.5	10.5	9.3	8.3	7.2	6.8	6.5	6.5	7.6	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.5	10.5	10.0	9.1	8.4	8.2	7.8	7.4	9.0	9.4	9.2
HWQ14 - Lake Washington	10.6	9.9	10.5	9.1	8.0	7.0	6.3	6.0	6.4	7.9	9.7	9.6
HWQ16 - Bayou Grand Liard	8.6	9.1	8.9	8.5	7.4	6.7	6.1	5.8	6.1	6.9	8.2	8.6
CRMS 3985	11.0	10.2	9.9	8.7	7.4	6.4	5.9	5.8	6.4	7.7	9.7	9.3
CRMS 0258	10.7	9.9	11.0	11.0	10.5	10.6	9.5	9.4	9.0	9.4	9.4	8.9
CRMS 0224	10.2	9.6	10.6	10.3	9.6	9.3	8.5	8.4	8.4	9.2	9.2	8.6
CRMS 0163	10.9	10.2	9.7	8.8	7.9	7.2	7.2	9.7	7.3	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.9	6.8	6.3	6.3	6.5	7.4	8.7	9.2

V3PR3 HYST - cy 3 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	8.9	8.6	8.3	7.7	7.0	6.6	6.7	7.0	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.1	9.9	10.1	9.9	9.8	8.8	8.4	8.3	7.6	8.1	8.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.1	9.1	9.4	7.7	7.7	7.1	9.5	10.1	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.4	10.0	9.1	8.0	6.8	6.5	8.1	8.4	9.7	9.5	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	10.0	9.7	8.7	8.6	7.6	7.6	6.8	8.1	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.6	10.2	10.2	9.2	9.4	8.8	8.4	7.2	8.3	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.5	10.4	10.3	10.3	8.3	7.7	6.5	6.2	6.2	7.4	8.7	8.7
USGS073802516 Barataria Pass at Grand Isle	10.6	10.2	11.0	9.9	9.4	8.5	7.7	7.6	7.3	8.8	9.4	9.3
HWQ14 - Lake Washington	10.9	10.3	10.6	9.7	8.4	7.2	6.1	5.9	6.1	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.0	9.5	9.7	8.9	7.6	6.6	6.2	5.8	6.0	6.8	8.0	8.3
CRMS 3985	11.1	10.4	10.0	9.5	8.1	6.6	5.9	5.8	6.4	7.5	9.6	9.3
CRMS 0258	11.3	10.5	10.6	11.0	12.0	12.3	12.1	10.9	9.7	10.0	9.4	9.1
CRMS 0224	11.1	10.4	10.5	10.8	12.1	11.6	11.4	10.3	8.8	9.1	9.2	9.0
CRMS 0163	10.9	10.3	9.7	8.8	7.9	7.6	7.6	10.4	7.3	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.8	6.8	6.3	6.3	6.5	7.4	8.6	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-1.1	-1.9	-1.2	-0.9	-0.8	-0.6	-0.5	-0.4	-0.7	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.4	0.0	0.2	-0.1	0.5	-0.1	-0.2	0.4	0.0	0.0	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.2	0.2	0.3	0.0	-0.1	-0.1	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.5	-0.6	-0.8	-1.1	-1.8	-1.5	0.4	0.5	0.9	-0.5	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.3	0.8	1.1	2.2	1.6	1.5	0.1	0.0	0.0	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	1.1	-0.1	1.0	0.7	2.0	1.7	1.4	0.1	0.0	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	0.9	0.9	-0.1	1.1	0.0	0.5	-0.4	-0.4	-0.3	-0.2	-0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.7	0.8	0.4	-0.1	0.3	0.2	-0.5	-0.2	-0.1	-0.2	0.0	0.1
HWQ14 - Lake Washington	0.2	0.3	0.1	0.7	0.4	0.2	-0.3	-0.2	-0.2	-0.4	-0.2	-0.3
HWQ16 - Bayou Grand Liard	0.4	0.4	0.7	0.4	0.2	-0.1	0.1	0.0	-0.1	-0.1	-0.2	-0.3
CRMS 3985	0.1	0.2	0.1	0.7	0.7	0.2	0.0	0.0	0.0	-0.1	-0.1	0.0
CRMS 0258	0.6	0.6	-0.4	-0.1	1.5	1.6	2.6	1.5	0.7	0.6	-0.1	0.3
CRMS 0224	1.0	0.8	-0.1	0.5	2.5	2.3	3.0	2.0	0.4	-0.1	0.0	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.4	0.5	0.8	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.1

Figure WQ DO 129 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.8	10.3	9.5	8.7	8.0	7.4	7.1	7.1	8.5	9.9	10.1
CRMS0276 - Just east of Wilkinson Canal	9.3	9.2	9.2	9.1	8.2	10.4	9.4	8.1	7.6	8.0	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.7	9.6	9.1	8.1	10.2	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	10.2	10.0	9.3	8.8	8.0	7.7	7.8	8.7	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	9.0	7.6	6.5	6.2	6.0	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.3	9.2	8.5	7.5	7.2	7.2	7.1	8.3	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.1	10.2	9.3	8.0	7.3	7.1	6.7	6.5	7.6	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.8	9.1	8.4	8.4	8.0	7.4	8.9	9.3	8.9
HWQ14 - Lake Washington	10.7	9.9	10.8	9.2	8.0	7.1	6.5	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.2	8.6	9.0	8.3	7.3	7.1	6.2	6.1	6.1	7.0	9.0	8.4
CRMS 3985	11.0	10.3	9.8	8.9	7.5	6.4	6.0	5.9	6.4	7.7	9.5	9.3
CRMS 0258	10.5	9.4	9.9	10.3	10.7	10.6	9.6	9.2	8.6	9.2	9.4	9.2
CRMS 0224	10.1	9.2	10.0	10.1	10.0	9.3	8.4	8.3	8.2	9.1	9.0	8.6
CRMS 0163	10.7	10.6	9.7	8.8	7.5	6.8	8.4	12.3	7.6	8.7	9.5	9.7
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.5	6.2	6.4	6.5	8.1	8.7	9.4

V3PR3 HYST - cy 3 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.3	8.6	8.3	7.4	7.0	6.6	6.5	6.9	7.9	9.1	8.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.2	9.2	9.6	8.4	9.7	8.6	8.3	7.5	7.9	9.6	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.8	9.9	8.9	8.0	10.3	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.3	9.9	9.0	7.6	6.8	6.8	9.5	8.1	9.6	9.4	10.0
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.3	8.2	10.0	8.4	7.0	6.7	8.2	9.7	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	9.9	9.5	8.5	10.5	9.2	7.5	7.1	8.3	9.1	9.8
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	9.7	9.5	8.0	8.8	6.7	6.2	6.2	7.4	8.8	9.4
USGS073802516 Barataria Pass at Grand Isle	10.0	9.5	9.9	10.4	9.1	8.7	8.1	8.3	7.2	8.9	9.4	9.4
HWQ14 - Lake Washington	10.8	10.0	9.9	10.0	8.3	7.3	6.2	5.9	6.2	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.3	8.7	9.1	8.7	7.4	6.9	6.3	5.8	6.0	6.9	8.9	8.6
CRMS 3985	11.0	10.3	9.8	9.4	8.2	6.7	6.0	5.8	6.4	7.5	9.6	9.5
CRMS 0258	10.7	9.5	9.9	10.4	12.1	13.2	12.2	10.7	9.4	9.9	9.3	9.7
CRMS 0224	10.3	9.4	9.9	10.5	11.4	12.7	11.5	9.7	8.6	9.1	9.1	9.6
CRMS 0163	10.7	10.6	9.8	8.9	7.5	6.9	9.4	12.8	7.6	8.7	9.5	9.7
CRMS 0162	9.9	9.5	9.3	8.5	7.4	6.5	6.2	6.4	6.5	8.4	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	0.4	-1.7	-1.2	-1.3	-0.9	-0.8	-0.6	-0.2	-0.6	-0.9	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.0	0.5	0.1	-0.7	-0.8	0.2	-0.1	-0.1	0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.1	0.3	-0.2	-0.1	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.6	-0.3	-0.9	-1.7	-2.0	-1.3	1.8	0.2	0.9	-0.5	0.4
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.2	0.3	0.6	3.4	2.2	1.0	0.1	0.1	0.1	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.4	0.3	-0.1	3.0	1.9	0.4	0.0	0.1	-0.1	0.9
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.4	0.2	0.0	1.5	-0.4	-0.5	-0.3	-0.2	-0.5	0.9
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.7	0.6	0.0	0.2	-0.3	0.3	-0.2	0.0	0.1	0.5
HWQ14 - Lake Washington	0.1	0.1	-0.8	0.8	0.2	0.2	-0.3	-0.3	-0.2	-0.3	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	0.5	0.1	-0.2	0.1	-0.3	-0.1	-0.1	-0.2	0.2
CRMS 3985	0.0	0.0	0.0	0.5	0.7	0.3	0.0	-0.1	0.0	-0.2	0.0	0.2
CRMS 0258	0.2	0.1	0.1	0.1	1.3	2.6	2.6	1.5	0.7	0.6	-0.1	0.6
CRMS 0224	0.2	0.3	-0.2	0.4	1.4	3.4	3.1	1.4	0.4	0.0	0.1	1.0
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	1.0	0.4	0.1	0.0	0.0	0.0
CRMS 0162	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.0	0.0

Figure WQ DO 130 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.5	8.7	7.9	7.2	6.7	6.9	8.3	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.6	9.1	9.8	9.0	8.7	7.2	7.0	7.8	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.3	8.6	10.0	9.7	9.2	9.0	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.5	9.9	9.2	8.7	8.0	7.6	7.6	8.5	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.5	8.0	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.5	7.5	7.2	6.8	7.0	8.1	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	10.4	9.3	8.4	7.2	6.9	6.1	6.4	7.4	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.5	9.9	9.1	8.5	8.3	7.1	7.3	8.8	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.6	9.1	8.0	7.1	6.4	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.5	9.0	8.7	8.3	7.7	6.7	6.3	8.7	6.2	7.4	8.0	7.9
CRMS 3985	11.0	10.2	9.8	8.8	7.5	6.4	6.0	5.8	6.3	7.5	9.6	9.4
CRMS 0258	10.6	9.8	10.8	10.8	10.7	10.6	8.6	7.7	8.1	8.8	9.5	9.0
CRMS 0224	10.1	9.5	10.5	10.2	9.7	9.3	8.4	8.1	7.6	8.7	9.0	8.7
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.0	13.2	13.1	8.5	8.5	9.5	9.9
CRMS 0162	10.4	9.9	9.2	8.5	7.7	6.7	6.4	7.0	8.7	7.6	8.9	9.3

V3PR4 HYST - cy 3 - 2002 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.2	8.8	9.1	8.2	7.7	7.0	6.6	6.6	7.1	8.0	9.1	9.2
CRMS0276 - Just east of Wilkinson Canal	10.0	9.9	9.8	9.7	9.7	8.4	8.5	7.4	7.2	7.8	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.4	8.7	10.1	9.7	9.2	8.9	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.3	9.9	8.8	7.8	6.9	9.3	8.2	7.1	8.3	9.0	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.6	9.9	9.2	8.3	8.4	7.1	6.5	6.7	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.7	10.0	9.3	8.4	8.3	7.7	7.0	7.0	8.3	9.2	9.4
USGS 07380335 - Little Lake Near Cutoff	10.3	10.4	10.2	9.3	8.3	7.5	6.6	6.0	6.2	7.4	8.7	8.9
USGS073802516 Barataria Pass at Grand Isle	10.4	10.2	10.9	10.4	9.5	9.0	8.3	7.2	7.0	8.7	9.3	9.4
HWQ14 - Lake Washington	10.9	10.2	10.6	10.1	8.3	7.2	6.3	6.0	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.8	9.5	9.3	8.8	7.8	6.7	6.0	8.0	5.9	6.9	8.0	8.0
CRMS 3985	11.1	10.4	9.8	9.4	8.3	6.9	5.9	5.9	6.4	7.5	9.6	9.3
CRMS 0258	11.2	10.5	10.5	11.5	13.1	13.3	9.7	8.5	8.5	9.2	9.4	9.4
CRMS 0224	11.0	10.5	10.4	10.6	11.7	11.7	9.6	8.4	7.8	8.9	9.2	9.2
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.2	13.7	13.1	8.2	8.5	9.4	9.9
CRMS 0162	10.4	9.9	9.2	8.6	7.6	6.7	6.4	6.7	8.0	7.7	8.8	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.9	-1.2	-1.5	-1.3	-1.1	-0.8	-0.6	-0.1	0.2	-0.3	-0.8	-0.8
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.2	0.6	-0.2	-0.6	-0.2	0.3	0.2	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	0.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.4	-0.6	-1.1	-1.3	-1.8	1.3	0.6	-0.6	-0.2	-0.9	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.5	-0.4	0.3	0.7	1.9	1.1	0.4	0.2	0.1	0.0	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.2	-0.4	0.0	-0.1	0.8	0.5	0.3	0.0	0.2	0.2	0.4
USGS 07380335 - Little Lake Near Cutoff	0.8	1.1	-0.2	0.0	-0.1	0.4	-0.3	-0.1	-0.2	0.0	0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.6	0.8	0.4	0.5	0.4	0.5	0.0	0.2	-0.3	-0.1	0.1	0.3
HWQ14 - Lake Washington	0.2	0.3	0.1	1.0	0.3	0.2	-0.1	0.0	-0.1	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.3	0.5	0.6	0.5	0.1	-0.1	-0.3	-0.7	-0.3	-0.5	0.0	0.1
CRMS 3985	0.1	0.1	0.0	0.6	0.9	0.5	0.0	0.1	0.0	0.0	0.0	-0.1
CRMS 0258	0.6	0.7	-0.3	0.7	2.4	2.6	1.1	0.8	0.3	0.4	-0.1	0.4
CRMS 0224	0.8	1.0	-0.1	0.4	2.0	2.4	1.2	0.4	0.3	0.2	0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.0	-0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.3	-0.7	0.0	0.0	0.0

Figure WQ DO 131 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.6	8.9	8.0	7.1	6.8	6.9	8.3	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.5	10.1	11.0	9.8	8.3	7.4	7.1	7.9	9.4	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.9	9.0	11.3	9.3	9.0	8.2	10.0	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.3	8.7	7.9	7.6	7.7	8.5	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.7	6.6	6.1	6.2	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.6	7.5	7.2	6.9	7.0	8.2	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.5	9.4	10.5	9.3	8.4	7.4	7.0	6.2	6.5	7.5	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.6	10.0	9.2	8.4	8.2	7.2	7.4	8.7	9.2	8.9
HWQ14 - Lake Washington	10.7	9.9	10.5	9.1	8.0	7.2	6.5	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.4	9.0	9.0	8.7	7.8	6.7	6.4	8.2	6.1	7.7	9.0	8.2
CRMS 3985	11.0	10.2	10.0	8.8	7.5	6.5	6.0	6.0	6.4	7.8	9.6	9.3
CRMS 0258	10.7	9.9	10.9	11.2	10.9	10.3	8.7	7.8	8.2	8.8	9.5	9.1
CRMS 0224	10.1	9.5	10.7	10.4	9.9	9.1	8.2	8.2	7.8	8.8	8.9	8.6
CRMS 0163	11.0	10.4	9.5	8.8	7.7	9.9	12.0	11.9	7.7	9.6	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.3	7.5	9.1	8.7	9.4

V3PR4 HYST - cy 3 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	8.7	8.4	8.2	7.7	6.9	6.6	6.6	7.1	8.0	9.1	8.9
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.6	10.1	10.2	9.6	8.4	7.7	7.3	7.7	8.8	8.8
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.6	8.9	9.1	11.3	9.3	8.8	7.9	10.2	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	9.4	8.8	7.8	8.4	9.2	8.3	7.1	8.4	9.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.9	9.2	8.6	8.1	6.8	6.4	6.8	8.2	9.7	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.8	9.9	9.4	8.8	8.9	7.3	7.0	7.0	8.3	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.2	10.5	9.9	9.7	9.2	8.0	6.8	6.1	6.2	7.4	8.8	9.2
USGS073802516 Barataria Pass at Grand Isle	10.4	10.3	10.1	10.6	9.9	8.9	8.1	7.2	7.0	8.7	9.4	9.4
HWQ14 - Lake Washington	10.8	10.3	10.1	10.0	8.6	7.5	6.3	6.0	6.2	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.6	9.6	9.5	9.3	8.0	6.7	6.0	7.5	6.0	7.1	8.5	8.3
CRMS 3985	11.1	10.4	9.9	9.6	8.7	6.7	6.0	5.9	6.4	7.6	9.6	9.6
CRMS 0258	11.1	10.6	10.2	11.3	13.2	10.8	9.2	8.3	8.5	9.3	9.3	9.6
CRMS 0224	10.8	10.6	10.0	10.5	12.1	10.3	8.6	8.3	7.9	8.9	9.0	9.3
CRMS 0163	11.0	10.4	9.6	8.8	7.7	10.2	11.9	11.9	7.6	9.2	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.6	7.0	6.5	6.4	7.0	9.4	8.7	9.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-1.2	-2.1	-1.4	-1.2	-1.0	-0.5	-0.1	0.2	-0.4	-0.8	-1.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.1	0.0	-0.8	-0.2	0.1	0.3	0.2	-0.2	-0.6	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.1	0.0	0.0	-0.2	-0.3	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.3	-1.2	-1.1	-1.6	-0.3	1.2	0.7	-0.6	-0.1	-0.9	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.5	0.2	0.9	1.5	0.7	0.3	0.2	0.0	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	1.2	-0.5	0.1	0.3	1.4	0.2	0.2	-0.1	0.2	0.0	0.8
USGS 07380335 - Little Lake Near Cutoff	0.7	1.1	-0.6	0.4	0.7	0.6	-0.2	0.0	-0.2	-0.1	-0.4	0.7
USGS073802516 Barataria Pass at Grand Isle	0.5	0.9	-0.6	0.6	0.7	0.6	-0.1	-0.1	-0.4	0.0	0.1	0.4
HWQ14 - Lake Washington	0.2	0.3	-0.4	0.9	0.5	0.4	-0.1	-0.1	-0.1	-0.3	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.2	0.5	0.6	0.6	0.2	0.0	-0.4	-0.8	-0.1	-0.7	-0.5	0.0
CRMS 3985	0.1	0.2	0.0	0.8	1.2	0.2	0.0	0.0	0.0	-0.1	0.0	0.3
CRMS 0258	0.4	0.7	-0.7	0.2	2.3	0.5	0.4	0.6	0.2	0.5	-0.2	0.5
CRMS 0224	0.7	1.1	-0.6	0.1	2.2	1.2	0.4	0.1	0.1	0.0	0.1	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	-0.1	0.0	-0.1	-0.4	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.3	0.0	0.1

Figure WQ DO 132 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.9	10.4	9.3	8.4	7.2	6.8	6.8	6.9	8.3	10.1	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.6	9.2	9.2	8.8	8.2	7.8	7.2	6.6	7.6	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.1	9.3	9.9	9.8	8.0	8.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	10.3	9.6	8.9	8.2	7.7	7.6	7.6	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	9.0	7.5	6.5	6.6	6.7	6.7	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.4	9.2	8.4	7.4	7.1	6.7	6.9	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	10.3	9.1	8.5	7.5	6.8	6.3	6.6	7.3	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.7	9.0	8.0	7.8	6.9	7.3	8.5	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.7	9.3	8.1	7.0	6.6	6.3	6.5	8.0	9.6	9.4
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.0	7.2	6.6	7.3	8.3	7.0	7.9	8.2	8.0
CRMS 3985	11.0	10.2	9.8	9.1	7.5	6.6	6.8	6.7	6.7	7.8	9.6	9.5
CRMS 0258	10.6	9.7	10.5	10.5	10.2	8.9	7.9	7.5	7.5	8.6	9.6	9.4
CRMS 0224	10.1	9.3	10.3	9.9	9.3	8.6	7.9	7.5	7.4	8.5	9.0	9.0
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.4	13.8	12.0	8.9	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.3	8.5	7.9	7.7	7.4	9.2	8.5	7.8	8.9	9.4

V3PR4 HYST - cy 3 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.4	9.3	8.8	7.7	6.9	6.6	6.7	7.1	8.0	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.7	9.5	9.4	9.2	8.5	8.0	7.1	6.8	7.7	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.1	9.4	10.1	9.8	8.6	8.5	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.6	9.8	9.2	8.0	8.5	8.8	8.1	7.1	8.3	9.1	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.4	8.6	7.0	6.4	6.5	6.9	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	10.5	10.4	9.4	8.9	7.6	7.2	6.8	7.0	8.3	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.6	10.1	10.6	9.2	8.1	7.3	6.7	6.0	6.3	7.4	8.7	8.9
USGS073802516 Barataria Pass at Grand Isle	10.0	10.0	10.9	9.7	9.3	8.2	7.8	6.9	7.1	8.6	9.3	9.3
HWQ14 - Lake Washington	10.8	10.2	10.8	9.5	8.2	7.1	6.3	6.1	6.4	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	9.0	8.8	8.1	7.4	6.5	7.2	8.3	6.3	7.4	8.0	8.1
CRMS 3985	11.0	10.3	9.8	8.9	7.8	6.6	6.1	6.2	6.6	7.7	9.6	9.4
CRMS 0258	10.7	10.3	11.1	10.4	11.2	9.0	8.1	7.9	7.9	9.0	9.7	9.6
CRMS 0224	10.3	10.2	11.0	9.8	10.8	8.7	8.0	7.9	7.4	8.6	9.2	9.2
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.4	14.0	12.5	10.0	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.3	8.5	7.9	7.2	7.1	9.1	9.0	7.7	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	-0.6	-1.1	-0.5	-0.7	-0.3	-0.2	-0.1	0.2	-0.3	-1.0	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.3	0.2	0.4	0.3	0.1	-0.1	0.2	0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	0.6	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.8	-0.5	-0.5	-0.8	0.2	1.1	0.6	-0.4	-0.1	-0.9	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.2	0.4	1.1	0.6	-0.2	-0.2	0.2	0.0	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	1.1	0.0	0.2	0.5	0.3	0.1	0.1	0.0	0.3	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.2	0.9	0.3	0.1	-0.4	-0.2	-0.1	-0.3	-0.3	0.1	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.7	0.3	0.0	0.3	0.2	0.0	0.0	-0.3	0.2	0.2	0.2
HWQ14 - Lake Washington	0.1	0.3	0.1	0.2	0.1	0.1	-0.2	-0.3	-0.1	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.3	0.2	0.1	0.3	0.0	-0.1	0.0	-0.6	-0.5	-0.1	0.1
CRMS 3985	0.0	0.1	0.0	-0.2	0.3	0.0	-0.7	-0.5	-0.1	-0.1	0.0	0.0
CRMS 0258	0.1	0.6	0.7	-0.1	1.0	0.0	0.2	0.4	0.5	0.3	0.1	0.1
CRMS 0224	0.2	0.9	0.7	-0.1	1.4	0.0	0.2	0.4	0.0	0.1	0.3	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.5	1.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.5	-0.3	-0.1	0.5	0.0	0.0	0.0

Figure WQ DO 133 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.6	9.5	8.7	7.8	7.2	7.2	7.4	8.6	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.9	10.0	9.3	8.9	8.6	7.9	7.6	8.2	8.9	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.0	8.9	9.2	7.4	7.7	7.2	9.7	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.1	8.7	8.0	7.8	7.9	8.8	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.7	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.2	8.4	7.4	7.1	7.0	7.1	8.3	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.5	10.5	9.3	8.3	7.2	6.8	6.5	6.5	7.6	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.5	10.5	10.0	9.1	8.4	8.2	7.8	7.4	9.0	9.4	9.2
HWQ14 - Lake Washington	10.6	9.9	10.5	9.1	8.0	7.0	6.3	6.0	6.4	7.9	9.7	9.6
HWQ16 - Bayou Grand Liard	8.6	9.1	8.9	8.5	7.4	6.7	6.1	5.8	6.1	6.9	8.2	8.6
CRMS 3985	11.0	10.2	9.9	8.7	7.4	6.4	5.9	5.8	6.4	7.7	9.7	9.3
CRMS 0258	10.7	9.9	11.0	11.0	10.5	10.6	9.5	9.4	9.0	9.4	9.4	8.9
CRMS 0224	10.2	9.6	10.6	10.3	9.6	9.3	8.5	8.4	8.4	9.2	9.2	8.6
CRMS 0163	10.9	10.2	9.7	8.8	7.9	7.2	7.2	9.7	7.3	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.9	6.8	6.3	6.3	6.5	7.4	8.7	9.2

V3PR4 HYST - cy 3 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	8.7	8.5	8.2	7.7	7.0	6.6	6.8	7.1	8.0	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.2	10.0	10.0	9.9	9.7	8.7	8.3	8.5	7.5	8.2	8.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.1	9.0	9.4	7.6	7.6	7.1	9.5	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.0	10.0	9.7	8.9	7.9	6.8	6.4	7.3	7.7	8.7	9.0	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.4	8.2	8.5	7.6	7.6	6.8	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.7	10.1	9.6	8.6	8.7	7.8	8.1	7.2	8.4	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.8	10.6	10.1	9.9	8.1	7.7	6.5	6.4	6.3	7.4	8.7	8.7
USGS073802516 Barataria Pass at Grand Isle	10.7	10.3	10.4	10.7	9.4	9.0	7.9	7.8	7.3	8.8	9.3	9.2
HWQ14 - Lake Washington	10.9	10.3	10.2	10.1	8.3	7.2	6.1	5.8	6.1	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.1	9.7	9.7	9.1	7.7	6.8	6.2	5.9	6.0	6.7	8.0	8.2
CRMS 3985	11.1	10.4	9.9	9.6	8.1	6.7	6.1	5.8	6.4	7.5	9.5	9.3
CRMS 0258	11.4	10.6	10.4	11.5	13.0	13.3	13.7	11.4	9.6	10.0	9.3	9.1
CRMS 0224	11.3	10.6	10.2	11.1	11.5	12.0	11.1	11.3	8.6	9.0	9.2	8.9
CRMS 0163	10.9	10.3	9.7	8.9	7.9	7.5	7.6	10.2	7.2	8.5	9.5	9.9
CRMS 0162	10.4	9.9	9.2	8.5	7.9	6.8	6.3	6.4	6.5	7.5	8.6	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-1.3	-2.1	-1.3	-1.0	-0.8	-0.6	-0.4	-0.3	-0.7	-0.9	0.0
CRMS0276 - Just east of Wilkinson Canal	0.5	0.1	0.2	-0.1	0.4	-0.3	-0.4	0.5	-0.1	0.0	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.1	0.1	0.2	-0.1	-0.1	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.1	0.1	-0.9	-1.0	-1.2	-1.9	-1.6	-0.5	-0.2	-0.1	-0.9	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.4	0.5	0.6	2.0	1.5	1.5	0.1	0.0	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.2	1.2	-0.3	0.4	0.2	1.3	0.6	1.1	0.1	0.1	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.2	1.1	-0.4	0.6	-0.2	0.5	-0.3	-0.2	-0.2	-0.2	-0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.8	0.9	-0.1	0.7	0.3	0.6	-0.4	0.0	-0.1	-0.2	-0.1	0.1
HWQ14 - Lake Washington	0.2	0.4	-0.3	1.1	0.3	0.2	-0.3	-0.2	-0.2	-0.4	-0.2	-0.3
HWQ16 - Bayou Grand Liard	0.5	0.6	0.7	0.6	0.2	0.0	0.2	0.1	-0.1	-0.1	-0.2	-0.4
CRMS 3985	0.1	0.2	0.0	0.8	0.6	0.4	0.1	0.0	0.0	-0.1	-0.1	0.0
CRMS 0258	0.8	0.7	-0.7	0.4	2.5	2.6	4.1	2.0	0.6	0.6	-0.1	0.2
CRMS 0224	1.2	1.0	-0.4	0.8	1.9	2.8	2.6	3.0	0.3	-0.2	-0.1	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.5	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ DO 134 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.8	10.3	9.5	8.7	8.0	7.4	7.1	7.1	8.5	9.9	10.1
CRMS0276 - Just east of Wilkinson Canal	9.3	9.2	9.2	9.1	8.2	10.4	9.4	8.1	7.6	8.0	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.7	9.6	9.1	8.1	10.2	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	10.2	10.0	9.3	8.8	8.0	7.7	7.8	8.7	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	9.0	7.6	6.5	6.2	6.0	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.3	9.2	8.5	7.5	7.2	7.2	7.1	8.3	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.1	10.2	9.3	8.0	7.3	7.1	6.7	6.5	7.6	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.8	9.1	8.4	8.4	8.0	7.4	8.9	9.3	8.9
HWQ14 - Lake Washington	10.7	9.9	10.8	9.2	8.0	7.1	6.5	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.2	8.6	9.0	8.3	7.3	7.1	6.2	6.1	6.1	7.0	9.0	8.4
CRMS 3985	11.0	10.3	9.8	8.9	7.5	6.4	6.0	5.9	6.4	7.7	9.5	9.3
CRMS 0258	10.5	9.4	9.9	10.3	10.7	10.6	9.6	9.2	8.6	9.2	9.4	9.2
CRMS 0224	10.1	9.2	10.0	10.1	10.0	9.3	8.4	8.3	8.2	9.1	9.0	8.6
CRMS 0163	10.7	10.6	9.7	8.8	7.5	6.8	8.4	12.3	7.6	8.7	9.5	9.7
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.5	6.2	6.4	6.5	8.1	8.7	9.4

V3PR4 HYST - cy 3 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.5	8.2	7.4	7.0	6.6	6.7	7.1	8.0	9.1	8.4
CRMS0276 - Just east of Wilkinson Canal	9.4	9.2	9.3	9.6	8.4	9.4	8.4	8.5	7.6	7.9	9.1	9.0
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.8	8.8	7.4	10.6	9.8	8.8	7.8	10.3	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.3	9.6	8.9	7.6	6.8	6.4	8.5	7.4	8.6	9.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.1	7.7	9.6	8.5	6.9	6.7	8.1	9.6	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	9.9	9.1	7.8	9.0	8.6	7.7	7.1	8.4	9.1	9.9
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	9.8	9.1	7.7	8.6	6.9	6.3	6.3	7.4	8.8	9.7
USGS073802516 Barataria Pass at Grand Isle	10.0	9.5	9.8	10.4	9.1	9.3	8.3	8.4	7.2	8.8	9.3	9.5
HWQ14 - Lake Washington	10.8	10.1	9.8	10.1	8.3	7.7	6.1	5.9	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.3	8.7	9.2	8.9	7.4	7.1	6.3	5.7	6.0	6.8	8.7	8.8
CRMS 3985	11.0	10.3	9.8	9.4	8.1	7.2	6.1	5.8	6.4	7.5	9.5	9.6
CRMS 0258	10.7	9.5	10.0	10.9	12.1	14.3	13.8	10.4	9.2	9.9	9.3	9.9
CRMS 0224	10.3	9.4	9.9	10.2	10.0	13.0	12.5	9.6	8.4	9.0	9.1	9.8
CRMS 0163	10.7	10.7	9.8	8.9	7.5	6.9	9.4	12.7	7.5	8.7	9.5	9.7
CRMS 0162	10.0	9.6	9.3	8.5	7.4	6.6	6.2	6.4	6.6	7.9	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	0.5	-1.9	-1.3	-1.4	-0.9	-0.7	-0.5	0.0	-0.5	-0.9	-1.7
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	0.5	0.2	-1.0	-0.9	0.3	0.1	-0.1	-0.3	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.3	-0.3	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.6	-0.6	-1.1	-1.7	-1.9	-1.6	0.8	-0.4	-0.1	-0.9	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.3	0.1	0.1	3.0	2.3	0.9	0.1	0.0	0.0	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.4	-0.1	-0.7	1.4	1.4	0.5	0.0	0.1	-0.1	1.1
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.4	-0.2	-0.3	1.3	-0.2	-0.4	-0.3	-0.2	-0.5	1.1
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.8	0.6	0.0	0.9	-0.1	0.5	-0.2	-0.1	0.0	0.6
HWQ14 - Lake Washington	0.1	0.1	-0.9	0.9	0.3	0.6	-0.4	-0.3	-0.2	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.2	0.6	0.2	0.0	0.1	-0.4	-0.1	-0.2	-0.3	0.3
CRMS 3985	0.0	0.0	0.1	0.6	0.6	0.8	0.1	-0.1	0.0	-0.2	0.0	0.3
CRMS 0258	0.2	0.2	0.1	0.6	1.3	3.7	4.2	1.2	0.6	0.6	-0.1	0.7
CRMS 0224	0.2	0.3	-0.1	0.1	0.1	3.7	4.1	1.3	0.2	-0.1	0.0	1.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	1.1	0.4	-0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.2	0.0	0.0

Figure WQ DO 135 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.5	8.7	7.9	7.2	6.7	6.9	8.3	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.6	9.1	9.8	9.0	8.7	7.2	7.0	7.8	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.3	8.6	10.0	9.7	9.2	9.0	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.5	9.9	9.2	8.7	8.0	7.6	7.6	8.5	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.5	8.0	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.5	7.5	7.2	6.8	7.0	8.1	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	10.4	9.3	8.4	7.2	6.9	6.1	6.4	7.4	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.5	9.9	9.1	8.5	8.3	7.1	7.3	8.8	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.6	9.1	8.0	7.1	6.4	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.5	9.0	8.7	8.3	7.7	6.7	6.3	8.7	6.2	7.4	8.0	7.9
CRMS 3985	11.0	10.2	9.8	8.8	7.5	6.4	6.0	5.8	6.3	7.5	9.6	9.4
CRMS 0258	10.6	9.8	10.8	10.8	10.7	10.6	8.6	7.7	8.1	8.8	9.5	9.0
CRMS 0224	10.1	9.5	10.5	10.2	9.7	9.3	8.4	8.1	7.6	8.7	9.0	8.7
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.0	13.2	13.1	8.5	8.5	9.5	9.9
CRMS 0162	10.4	9.9	9.2	8.5	7.7	6.7	6.4	7.0	8.7	7.6	8.9	9.3

V3PR5 HYST - cy 3 - 2002 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.2	8.8	9.0	8.2	7.7	7.0	6.5	6.6	7.1	7.9	9.1	9.2
CRMS0276 - Just east of Wilkinson Canal	10.0	9.9	9.8	9.7	9.7	8.4	8.5	7.5	7.2	7.9	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.4	8.8	10.0	9.6	9.3	8.9	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.5	9.9	8.8	7.8	6.8	9.6	8.8	6.9	8.3	8.9	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.6	9.9	9.1	8.2	8.2	7.1	6.5	6.7	8.1	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.7	10.0	9.3	8.4	8.3	7.8	7.1	7.0	8.3	9.2	9.4
USGS 07380335 - Little Lake Near Cutoff	10.3	10.4	10.1	9.3	8.3	7.6	6.6	6.0	6.2	7.5	8.7	8.9
USGS073802516 Barataria Pass at Grand Isle	10.4	10.2	10.9	10.4	9.5	9.0	8.3	7.3	7.0	8.8	9.3	9.3
HWQ14 - Lake Washington	10.9	10.2	10.6	10.1	8.4	7.2	6.3	6.0	6.2	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.8	9.5	9.3	8.8	7.8	6.7	6.0	8.1	5.9	6.9	8.0	8.0
CRMS 3985	11.1	10.4	9.8	9.4	8.3	7.0	5.9	5.9	6.4	7.5	9.5	9.3
CRMS 0258	11.2	10.5	10.6	11.5	13.1	13.3	9.7	8.6	8.5	9.2	9.4	9.4
CRMS 0224	11.0	10.5	10.4	10.6	11.9	11.8	9.6	8.5	7.9	8.9	9.2	9.2
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.2	13.6	13.3	8.3	8.5	9.4	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.6	6.7	6.4	6.5	7.7	7.7	8.8	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.9	-1.2	-1.5	-1.3	-1.1	-0.8	-0.6	-0.2	0.2	-0.4	-0.8	-0.8
CRMS0276 - Just east of Wilkinson Canal	0.4	0.1	0.2	0.6	-0.2	-0.6	-0.2	0.3	0.2	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.6	-0.6	-1.0	-1.4	-1.9	1.7	1.2	-0.7	-0.2	-1.0	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.5	-0.4	0.2	0.6	1.7	1.1	0.4	0.2	0.1	0.0	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	1.2	-0.4	0.0	-0.1	0.9	0.6	0.3	0.0	0.2	0.2	0.4
USGS 07380335 - Little Lake Near Cutoff	0.8	1.1	-0.2	0.0	0.0	0.4	-0.3	-0.1	-0.2	0.0	0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.6	0.8	0.4	0.5	0.4	0.6	0.0	0.2	-0.3	0.0	0.1	0.2
HWQ14 - Lake Washington	0.2	0.3	0.0	1.0	0.4	0.2	-0.1	0.0	-0.1	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.3	0.5	0.6	0.5	0.1	0.0	-0.3	-0.6	-0.3	-0.5	0.0	0.1
CRMS 3985	0.1	0.2	0.0	0.6	0.9	0.6	0.0	0.1	0.0	0.0	0.0	-0.1
CRMS 0258	0.6	0.7	-0.2	0.7	2.5	2.6	1.1	0.9	0.4	0.5	-0.1	0.4
CRMS 0224	0.8	1.0	-0.1	0.4	2.2	2.5	1.2	0.4	0.3	0.2	0.2	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.2	-0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	-1.0	0.1	0.0	0.0

Figure WQ DO 136 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.6	8.9	8.0	7.1	6.8	6.9	8.3	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.5	10.1	11.0	9.8	8.3	7.4	7.1	7.9	9.4	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.9	9.0	11.3	9.3	9.0	8.2	10.0	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.3	8.7	7.9	7.6	7.7	8.5	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.7	6.6	6.1	6.2	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.6	7.5	7.2	6.9	7.0	8.2	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.5	9.4	10.5	9.3	8.4	7.4	7.0	6.2	6.5	7.5	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.6	10.0	9.2	8.4	8.2	7.2	7.4	8.7	9.2	8.9
HWQ14 - Lake Washington	10.7	9.9	10.5	9.1	8.0	7.2	6.5	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.4	9.0	9.0	8.7	7.8	6.7	6.4	8.2	6.1	7.7	9.0	8.2
CRMS 3985	11.0	10.2	10.0	8.8	7.5	6.5	6.0	6.0	6.4	7.8	9.6	9.3
CRMS 0258	10.7	9.9	10.9	11.2	10.9	10.3	8.7	7.8	8.2	8.8	9.5	9.1
CRMS 0224	10.1	9.5	10.7	10.4	9.9	9.1	8.2	8.2	7.8	8.8	8.9	8.6
CRMS 0163	11.0	10.4	9.5	8.8	7.7	9.9	12.0	11.9	7.7	9.6	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.3	7.5	9.1	8.7	9.4

V3PR5 HYST - cy 3 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	8.7	8.4	8.2	7.7	6.9	6.6	6.6	7.0	8.0	9.1	8.8
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.6	10.0	10.1	9.7	8.4	7.6	7.3	7.7	8.8	8.8
Barataria Waterway at Lafitte (USACE82875)	10.7	10.3	9.6	8.9	9.1	11.3	9.3	8.8	8.0	10.1	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.4	9.5	8.9	7.8	8.8	9.5	8.8	6.9	8.4	8.9	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.8	9.1	8.5	8.1	6.8	6.4	6.7	8.1	9.7	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.7	9.9	9.4	8.8	9.0	7.4	7.1	7.0	8.3	9.2	9.6
USGS 07380335 - Little Lake Near Cutoff	10.2	10.5	9.9	9.7	9.2	8.0	6.8	6.1	6.2	7.4	8.8	9.2
USGS073802516 Barataria Pass at Grand Isle	10.4	10.3	10.0	10.6	9.8	8.9	8.1	7.1	6.9	8.7	9.3	9.4
HWQ14 - Lake Washington	10.8	10.3	10.0	10.0	8.6	7.5	6.3	6.0	6.2	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.6	9.6	9.6	9.3	8.0	6.7	6.0	7.5	6.0	7.0	8.5	8.3
CRMS 3985	11.1	10.4	9.9	9.6	8.7	6.7	6.0	5.9	6.4	7.6	9.6	9.4
CRMS 0258	11.1	10.6	10.2	11.4	13.3	10.8	9.2	8.4	8.6	9.3	9.3	9.6
CRMS 0224	10.8	10.6	10.0	10.6	12.2	10.3	8.6	8.5	8.0	9.0	9.1	9.3
CRMS 0163	11.0	10.4	9.6	8.8	7.7	10.0	12.1	11.8	7.6	9.3	9.5	9.9
CRMS 0162	10.3	9.8	9.2	8.5	7.5	6.9	6.5	6.4	6.8	9.4	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-1.2	-2.1	-1.4	-1.2	-1.1	-0.5	-0.2	0.1	-0.4	-0.8	-1.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.1	-0.1	-0.9	-0.1	0.1	0.2	0.2	-0.2	-0.6	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.1	-0.1	0.0	-0.2	-0.2	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.5	-1.1	-1.1	-1.6	0.1	1.6	1.1	-0.8	-0.2	-1.0	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.5	0.2	0.8	1.5	0.7	0.2	0.1	0.0	0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	1.2	-0.5	0.1	0.3	1.5	0.2	0.2	-0.1	0.2	0.0	0.8
USGS 07380335 - Little Lake Near Cutoff	0.7	1.1	-0.6	0.4	0.8	0.6	-0.2	0.0	-0.2	-0.1	-0.4	0.7
USGS073802516 Barataria Pass at Grand Isle	0.5	0.9	-0.6	0.6	0.7	0.5	-0.1	-0.1	-0.4	0.0	0.1	0.4
HWQ14 - Lake Washington	0.2	0.4	-0.5	0.9	0.6	0.4	-0.1	-0.1	-0.1	-0.3	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.2	0.5	0.6	0.6	0.2	0.0	-0.4	-0.7	-0.1	-0.7	-0.5	0.0
CRMS 3985	0.1	0.2	-0.1	0.8	1.2	0.2	0.0	0.0	0.0	-0.1	0.0	0.1
CRMS 0258	0.4	0.7	-0.7	0.2	2.3	0.5	0.5	0.7	0.3	0.5	-0.2	0.4
CRMS 0224	0.7	1.0	-0.6	0.2	2.3	1.1	0.5	0.3	0.2	0.1	0.2	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.0	-0.1	-0.2	-0.3	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	0.3	0.0	0.0

Figure WQ DO 137 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.9	10.4	9.3	8.4	7.2	6.8	6.8	6.9	8.3	10.1	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.6	9.2	9.2	8.8	8.2	7.8	7.2	6.6	7.6	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.1	9.3	9.9	9.8	8.0	8.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	10.3	9.6	8.9	8.2	7.7	7.6	7.6	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	9.0	7.5	6.5	6.6	6.7	6.7	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.4	9.2	8.4	7.4	7.1	6.7	6.9	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	10.3	9.1	8.5	7.5	6.8	6.3	6.6	7.3	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.7	9.0	8.0	7.8	6.9	7.3	8.5	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.7	9.3	8.1	7.0	6.6	6.3	6.5	8.0	9.6	9.4
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.0	7.2	6.6	7.3	8.3	7.0	7.9	8.2	8.0
CRMS 3985	11.0	10.2	9.8	9.1	7.5	6.6	6.8	6.7	6.7	7.8	9.6	9.5
CRMS 0258	10.6	9.7	10.5	10.5	10.2	8.9	7.9	7.5	7.5	8.6	9.6	9.4
CRMS 0224	10.1	9.3	10.3	9.9	9.3	8.6	7.9	7.5	7.4	8.5	9.0	9.0
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.4	13.8	12.0	8.9	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.3	8.5	7.9	7.7	7.4	9.2	8.5	7.8	8.9	9.4

V3PR5 HYST - cy 3 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.4	9.3	8.8	7.6	6.9	6.6	6.6	7.1	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.7	9.4	9.5	9.2	8.6	7.9	7.1	6.8	7.8	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.1	9.3	10.0	9.8	8.7	8.6	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.6	9.8	9.3	8.3	8.5	9.0	8.7	6.9	8.2	9.0	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.4	8.6	7.0	6.4	6.5	6.9	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	10.5	10.4	9.4	8.9	7.7	7.2	6.8	7.0	8.3	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.6	10.1	10.5	9.2	8.1	7.2	6.7	6.0	6.3	7.4	8.7	8.9
USGS073802516 Barataria Pass at Grand Isle	10.0	10.0	10.9	9.7	9.2	8.2	7.8	6.9	7.1	8.7	9.3	9.3
HWQ14 - Lake Washington	10.8	10.2	10.8	9.5	8.2	7.1	6.4	6.1	6.4	7.8	9.6	9.4
HWQ16 - Bayou Grand Liard	8.3	9.1	8.8	8.2	7.4	6.5	7.2	8.3	6.3	7.3	8.0	8.1
CRMS 3985	11.0	10.3	9.8	8.9	7.8	6.6	6.1	6.1	6.6	7.7	9.6	9.4
CRMS 0258	10.7	10.2	11.1	10.4	11.2	9.0	8.2	7.9	8.0	8.9	9.7	9.6
CRMS 0224	10.3	10.2	11.0	9.8	10.7	8.7	8.1	7.9	7.4	8.7	9.2	9.2
CRMS 0163	10.9	10.6	10.0	9.0	8.0	8.4	14.1	12.5	10.1	8.2	9.4	9.8
CRMS 0162	10.0	10.0	9.2	8.5	7.8	7.6	7.4	8.9	9.1	7.6	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	-0.6	-1.1	-0.5	-0.7	-0.3	-0.2	-0.1	0.2	-0.4	-1.0	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.2	0.3	0.4	0.4	0.1	-0.1	0.2	0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.7	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.8	-0.6	-0.3	-0.6	0.3	1.3	1.2	-0.6	-0.2	-0.9	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.2	0.3	1.1	0.6	-0.2	-0.2	0.2	0.0	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	1.1	-0.1	0.3	0.5	0.3	0.1	0.1	0.0	0.3	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.2	0.9	0.2	0.1	-0.4	-0.2	-0.1	-0.3	-0.3	0.2	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.7	0.3	0.0	0.3	0.1	0.0	0.0	-0.3	0.2	0.2	0.2
HWQ14 - Lake Washington	0.1	0.3	0.1	0.3	0.1	0.1	-0.2	-0.3	-0.1	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.3	0.2	0.1	0.2	-0.1	-0.1	0.0	-0.7	-0.7	-0.1	0.1
CRMS 3985	0.0	0.1	0.0	-0.2	0.3	0.0	-0.7	-0.5	-0.1	-0.1	0.0	0.0
CRMS 0258	0.1	0.5	0.7	0.0	0.9	0.1	0.3	0.4	0.6	0.3	0.1	0.1
CRMS 0224	0.2	0.9	0.7	-0.1	1.4	0.1	0.2	0.4	0.0	0.2	0.3	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.4	1.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.3	0.6	-0.1	0.0	0.0

Figure WQ DO 138 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.6	9.5	8.7	7.8	7.2	7.2	7.4	8.6	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.9	10.0	9.3	8.9	8.6	7.9	7.6	8.2	8.9	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.0	8.9	9.2	7.4	7.7	7.2	9.7	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.1	8.7	8.0	7.8	7.9	8.8	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.7	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.2	8.4	7.4	7.1	7.0	7.1	8.3	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.5	10.5	9.3	8.3	7.2	6.8	6.5	6.5	7.6	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.5	10.5	10.0	9.1	8.4	8.2	7.8	7.4	9.0	9.4	9.2
HWQ14 - Lake Washington	10.6	9.9	10.5	9.1	8.0	7.0	6.3	6.0	6.4	7.9	9.7	9.6
HWQ16 - Bayou Grand Liard	8.6	9.1	8.9	8.5	7.4	6.7	6.1	5.8	6.1	6.9	8.2	8.6
CRMS 3985	11.0	10.2	9.9	8.7	7.4	6.4	5.9	5.8	6.4	7.7	9.7	9.3
CRMS 0258	10.7	9.9	11.0	11.0	10.5	10.6	9.5	9.4	9.0	9.4	9.4	8.9
CRMS 0224	10.2	9.6	10.6	10.3	9.6	9.3	8.5	8.4	8.4	9.2	9.2	8.6
CRMS 0163	10.9	10.2	9.7	8.8	7.9	7.2	7.2	9.7	7.3	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.9	6.8	6.3	6.3	6.5	7.4	8.7	9.2

V3PR5 HYST - cy 3 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	8.7	8.5	8.2	7.7	7.0	6.6	6.7	7.1	8.0	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.2	10.0	10.0	9.9	9.6	8.6	8.3	8.4	7.5	8.2	8.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.1	9.0	9.4	7.6	7.5	7.1	9.5	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.1	9.8	9.0	7.8	6.8	6.4	8.5	7.6	8.7	9.0	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.4	8.2	8.5	7.5	7.6	6.8	8.1	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.3	10.7	10.1	9.6	8.6	8.7	7.7	8.2	7.2	8.4	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.8	10.6	10.1	9.9	8.1	7.7	6.5	6.4	6.3	7.4	8.7	8.8
USGS073802516 Barataria Pass at Grand Isle	10.7	10.3	10.4	10.7	9.4	9.0	7.9	7.8	7.3	8.8	9.3	9.2
HWQ14 - Lake Washington	10.9	10.3	10.2	10.1	8.4	7.3	6.1	5.8	6.2	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.1	9.7	9.7	9.1	7.7	6.8	6.2	5.9	6.0	6.7	8.0	8.3
CRMS 3985	11.1	10.4	9.9	9.6	8.2	6.8	6.1	5.8	6.4	7.5	9.5	9.3
CRMS 0258	11.4	10.6	10.4	11.4	13.0	13.2	13.5	11.2	9.7	10.0	9.3	9.1
CRMS 0224	11.3	10.6	10.2	11.1	11.7	12.1	11.2	11.2	8.7	9.1	9.2	9.0
CRMS 0163	10.9	10.3	9.7	8.8	7.9	7.5	7.6	10.4	7.2	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.8	6.8	6.3	6.3	6.5	7.4	8.6	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-1.3	-2.1	-1.3	-1.0	-0.8	-0.6	-0.5	-0.3	-0.7	-0.9	0.0
CRMS0276 - Just east of Wilkinson Canal	0.5	0.1	0.2	-0.1	0.3	-0.3	-0.4	0.5	0.0	0.0	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.2	0.2	0.2	-0.1	-0.1	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.2	-0.8	-0.9	-1.3	-1.9	-1.6	0.7	-0.2	0.0	-1.0	-0.7
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.4	0.5	0.6	2.0	1.4	1.5	0.1	0.0	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.2	1.2	-0.3	0.4	0.2	1.3	0.6	1.1	0.1	0.1	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.2	1.1	-0.4	0.6	-0.2	0.5	-0.3	-0.2	-0.2	-0.2	-0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.8	0.9	-0.1	0.7	0.3	0.6	-0.4	0.0	0.0	-0.2	-0.1	0.1
HWQ14 - Lake Washington	0.2	0.4	-0.4	1.1	0.4	0.2	-0.2	-0.2	-0.2	-0.4	-0.2	-0.3
HWQ16 - Bayou Grand Liard	0.6	0.6	0.7	0.6	0.2	0.0	0.2	0.1	-0.1	-0.1	-0.2	-0.3
CRMS 3985	0.2	0.2	0.0	0.8	0.7	0.4	0.2	0.0	0.0	-0.1	-0.1	0.0
CRMS 0258	0.7	0.7	-0.6	0.3	2.5	2.6	3.9	1.8	0.7	0.6	-0.1	0.2
CRMS 0224	1.1	1.0	-0.4	0.9	2.1	2.8	2.7	2.8	0.3	-0.1	-0.1	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	0.4	0.7	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 139 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.8	10.3	9.5	8.7	8.0	7.4	7.1	7.1	8.5	9.9	10.1
CRMS0276 - Just east of Wilkinson Canal	9.3	9.2	9.2	9.1	8.2	10.4	9.4	8.1	7.6	8.0	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.7	9.6	9.1	8.1	10.2	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	10.2	10.0	9.3	8.8	8.0	7.7	7.8	8.7	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	9.0	7.6	6.5	6.2	6.0	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.3	9.2	8.5	7.5	7.2	7.2	7.1	8.3	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.1	10.2	9.3	8.0	7.3	7.1	6.7	6.5	7.6	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.8	9.1	8.4	8.4	8.0	7.4	8.9	9.3	8.9
HWQ14 - Lake Washington	10.7	9.9	10.8	9.2	8.0	7.1	6.5	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.2	8.6	9.0	8.3	7.3	7.1	6.2	6.1	6.1	7.0	9.0	8.4
CRMS 3985	11.0	10.3	9.8	8.9	7.5	6.4	6.0	5.9	6.4	7.7	9.5	9.3
CRMS 0258	10.5	9.4	9.9	10.3	10.7	10.6	9.6	9.2	8.6	9.2	9.4	9.2
CRMS 0224	10.1	9.2	10.0	10.1	10.0	9.3	8.4	8.3	8.2	9.1	9.0	8.6
CRMS 0163	10.7	10.6	9.7	8.8	7.5	6.8	8.4	12.3	7.6	8.7	9.5	9.7
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.5	6.2	6.4	6.5	8.1	8.7	9.4

V3PR5 HYST - cy 3 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.5	8.2	7.4	7.0	6.6	6.6	7.1	7.9	9.1	8.4
CRMS0276 - Just east of Wilkinson Canal	9.4	9.2	9.3	9.6	8.4	9.4	8.5	8.5	7.6	8.0	9.1	9.0
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.7	8.8	7.4	10.6	9.8	8.9	7.8	10.3	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	9.7	8.9	7.6	6.8	6.4	9.3	7.3	8.6	8.9	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.1	7.7	9.4	8.4	6.9	6.7	8.1	9.6	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	9.9	9.1	7.8	9.0	8.6	7.8	7.1	8.4	9.2	9.9
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	9.8	9.1	7.7	8.7	6.9	6.3	6.3	7.4	8.8	9.6
USGS073802516 Barataria Pass at Grand Isle	10.0	9.5	9.8	10.4	9.1	9.3	8.3	8.4	7.2	8.8	9.3	9.5
HWQ14 - Lake Washington	10.8	10.0	9.8	10.1	8.3	7.7	6.1	5.9	6.2	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.3	8.7	9.2	8.8	7.4	7.1	6.3	5.7	6.0	6.8	8.6	8.8
CRMS 3985	11.0	10.3	9.8	9.4	8.0	7.3	6.2	5.8	6.4	7.5	9.5	9.6
CRMS 0258	10.7	9.5	10.0	10.8	12.1	14.4	13.4	10.5	9.3	9.8	9.3	9.9
CRMS 0224	10.3	9.4	9.9	10.3	10.1	13.2	12.5	9.6	8.5	9.1	9.1	9.8
CRMS 0163	10.8	10.7	9.8	8.8	7.5	6.9	9.3	12.4	7.6	8.6	9.5	9.7
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.5	6.2	6.4	6.5	7.4	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	0.5	-1.9	-1.3	-1.4	-0.9	-0.8	-0.5	0.0	-0.5	-0.9	-1.7
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	0.5	0.2	-1.0	-0.9	0.4	0.0	0.0	-0.3	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	0.2	-0.2	-0.2	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.4	-0.5	-1.0	-1.7	-2.0	-1.6	1.6	-0.5	-0.1	-1.0	0.2
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.3	0.1	0.0	2.8	2.2	0.9	0.1	0.0	0.0	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.4	-0.1	-0.7	1.5	1.3	0.6	0.0	0.1	0.0	1.0
USGS 07380335 - Little Lake Near Cutoff	0.2	0.2	-0.4	-0.2	-0.3	1.3	-0.1	-0.4	-0.3	-0.2	-0.4	1.1
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.9	0.6	0.0	0.9	-0.1	0.5	-0.2	-0.1	0.0	0.6
HWQ14 - Lake Washington	0.1	0.1	-1.0	0.9	0.3	0.6	-0.4	-0.3	-0.2	-0.3	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.2	0.6	0.2	0.0	0.1	-0.4	-0.1	-0.2	-0.4	0.3
CRMS 3985	0.0	0.0	0.1	0.5	0.6	0.9	0.2	-0.1	0.0	-0.2	0.0	0.3
CRMS 0258	0.1	0.2	0.1	0.5	1.4	3.8	3.8	1.2	0.6	0.6	-0.1	0.7
CRMS 0224	0.2	0.3	-0.1	0.2	0.1	3.8	4.1	1.4	0.2	-0.1	0.1	1.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.9	0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	0.0	0.0

Figure WQ DO 140 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.5	8.7	7.9	7.2	6.7	6.9	8.3	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.6	9.1	9.8	9.0	8.7	7.2	7.0	7.8	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.3	8.6	10.0	9.7	9.2	9.0	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.5	9.9	9.2	8.7	8.0	7.6	7.6	8.5	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.5	8.0	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.5	7.5	7.2	6.8	7.0	8.1	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	10.4	9.3	8.4	7.2	6.9	6.1	6.4	7.4	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.5	9.9	9.1	8.5	8.3	7.1	7.3	8.8	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.6	9.1	8.0	7.1	6.4	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.5	9.0	8.7	8.3	7.7	6.7	6.3	8.7	6.2	7.4	8.0	7.9
CRMS 3985	11.0	10.2	9.8	8.8	7.5	6.4	6.0	5.8	6.3	7.5	9.6	9.4
CRMS 0258	10.6	9.8	10.8	10.8	10.7	10.6	8.6	7.7	8.1	8.8	9.5	9.0
CRMS 0224	10.1	9.5	10.5	10.2	9.7	9.3	8.4	8.1	7.6	8.7	9.0	8.7
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.0	13.2	13.1	8.5	8.5	9.5	9.9
CRMS 0162	10.4	9.9	9.2	8.5	7.7	6.7	6.4	7.0	8.7	7.6	8.9	9.3

V3PR6 HYST - cy 3 - 2002 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	8.5	8.9	8.0	7.6	7.0	6.3	6.3	6.9	7.9	9.1	9.1
CRMS0276 - Just east of Wilkinson Canal	10.1	10.1	9.8	9.7	9.4	8.1	8.4	7.4	7.2	7.9	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.3	9.8	8.8	8.9	8.9	10.1	9.7	9.3	8.9	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.1	9.7	8.6	7.8	6.9	9.4	8.6	6.6	7.9	8.8	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.8	8.8	7.6	6.6	7.3	6.5	6.6	7.9	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.5	9.8	8.8	7.6	6.6	8.0	6.7	6.5	8.1	9.1	9.4
USGS 07380335 - Little Lake Near Cutoff	10.6	10.6	9.9	8.9	7.7	6.8	7.5	6.5	6.3	7.8	8.8	9.1
USGS073802516 Barataria Pass at Grand Isle	10.7	10.4	10.3	9.8	9.4	8.4	8.5	7.2	6.8	8.7	9.2	9.4
HWQ14 - Lake Washington	10.9	10.4	10.2	9.8	8.8	7.1	6.4	6.0	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.1	9.8	9.4	8.9	7.8	6.7	6.0	8.0	5.9	6.9	8.0	8.1
CRMS 3985	11.1	10.5	9.8	9.0	8.0	7.1	6.0	5.9	6.3	7.5	9.5	9.4
CRMS 0258	11.3	10.7	10.2	9.4	10.2	11.3	9.5	8.2	8.2	9.0	9.4	9.4
CRMS 0224	11.0	10.7	9.9	9.1	8.6	8.4	9.6	7.7	7.2	8.3	9.1	9.1
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.4	13.8	13.3	8.1	8.4	9.4	9.9
CRMS 0162	10.3	9.9	9.2	8.6	7.6	6.7	6.4	6.5	7.7	7.7	8.8	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.0	-1.4	-1.6	-1.5	-1.2	-0.8	-0.9	-0.4	0.0	-0.4	-0.8	-0.9
CRMS0276 - Just east of Wilkinson Canal	0.5	0.3	0.3	0.6	-0.4	-0.9	-0.3	0.3	0.2	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.6	0.3	0.1	0.1	0.2	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.3	-0.8	-1.3	-1.4	-1.8	1.4	1.0	-1.0	-0.6	-1.1	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.5	-0.1	0.0	0.1	1.2	0.4	0.1	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.0	-0.6	-0.5	-0.9	-0.8	0.8	-0.1	-0.4	0.0	0.1	0.4
USGS 07380335 - Little Lake Near Cutoff	1.1	1.3	-0.5	-0.3	-0.7	-0.3	0.6	0.4	-0.1	0.4	0.2	0.5
USGS073802516 Barataria Pass at Grand Isle	0.8	1.0	-0.2	-0.1	0.3	0.0	0.2	0.1	-0.5	-0.1	0.1	0.3
HWQ14 - Lake Washington	0.2	0.4	-0.3	0.7	0.8	0.0	0.0	-0.1	-0.2	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.6	0.8	0.7	0.7	0.2	0.0	-0.3	-0.6	-0.3	-0.6	0.0	0.2
CRMS 3985	0.1	0.3	0.0	0.2	0.5	0.7	0.0	0.1	0.0	-0.1	0.0	0.0
CRMS 0258	0.7	0.9	-0.6	-1.3	-0.4	0.7	0.9	0.5	0.0	0.3	-0.1	0.4
CRMS 0224	0.9	1.2	-0.5	-1.1	-1.1	-0.9	1.2	-0.4	-0.4	-0.4	0.1	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.4	0.6	0.2	-0.3	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.5	-1.0	0.1	0.0	0.0

Figure WQ DO 141 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.6	8.9	8.0	7.1	6.8	6.9	8.3	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.5	10.1	11.0	9.8	8.3	7.4	7.1	7.9	9.4	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.9	9.0	11.3	9.3	9.0	8.2	10.0	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.3	8.7	7.9	7.6	7.7	8.5	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.7	6.6	6.1	6.2	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.6	7.5	7.2	6.9	7.0	8.2	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.5	9.4	10.5	9.3	8.4	7.4	7.0	6.2	6.5	7.5	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.6	10.0	9.2	8.4	8.2	7.2	7.4	8.7	9.2	8.9
HWQ14 - Lake Washington	10.7	9.9	10.5	9.1	8.0	7.2	6.5	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.4	9.0	9.0	8.7	7.8	6.7	6.4	8.2	6.1	7.7	9.0	8.2
CRMS 3985	11.0	10.2	10.0	8.8	7.5	6.5	6.0	6.0	6.4	7.8	9.6	9.3
CRMS 0258	10.7	9.9	10.9	11.2	10.9	10.3	8.7	7.8	8.2	8.8	9.5	9.1
CRMS 0224	10.1	9.5	10.7	10.4	9.9	9.1	8.2	8.2	7.8	8.8	8.9	8.6
CRMS 0163	11.0	10.4	9.5	8.8	7.7	9.9	12.0	11.9	7.7	9.6	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.3	7.5	9.1	8.7	9.4

V3PR6 HYST - cy 3 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.7	8.5	8.2	8.0	7.6	6.8	6.3	6.3	6.9	7.9	9.1	8.7
CRMS0276 - Just east of Wilkinson Canal	9.8	10.1	9.6	10.2	9.9	9.5	8.3	7.6	7.3	7.7	8.7	8.9
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.6	9.1	9.6	11.3	9.4	8.9	8.0	10.1	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.1	8.6	7.7	8.8	9.5	8.6	6.6	8.0	8.7	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.6	8.8	7.6	8.2	6.7	6.4	6.6	7.9	9.6	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.4	9.5	8.7	7.6	8.5	7.3	6.7	6.5	8.1	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.7	10.7	9.8	8.9	7.8	9.0	7.5	6.5	6.3	7.6	8.9	9.5
USGS073802516 Barataria Pass at Grand Isle	10.6	10.5	9.8	10.4	10.1	9.2	8.1	7.0	6.7	8.6	9.2	9.4
HWQ14 - Lake Washington	10.9	10.4	9.7	10.4	9.4	7.9	6.3	5.9	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.8	10.0	9.7	9.3	8.3	6.8	6.0	7.5	6.0	7.0	8.4	8.4
CRMS 3985	11.2	10.6	9.8	9.1	8.2	6.8	6.0	5.9	6.4	7.5	9.5	9.6
CRMS 0258	11.2	10.8	10.1	9.3	9.7	10.8	9.0	8.1	8.2	9.1	9.3	9.7
CRMS 0224	11.0	10.7	9.9	9.0	8.5	10.7	8.1	7.5	7.2	8.3	8.9	9.4
CRMS 0163	10.9	10.4	9.6	8.8	7.7	9.8	11.6	11.8	7.5	9.0	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.6	7.0	6.5	6.3	6.6	9.2	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.4	-1.5	-2.3	-1.6	-1.3	-1.2	-0.8	-0.4	0.0	-0.4	-0.8	-1.2
CRMS0276 - Just east of Wilkinson Canal	0.3	0.3	0.2	0.1	-1.1	-0.3	0.0	0.2	0.2	-0.2	-0.7	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.2	0.6	0.0	0.1	-0.1	-0.2	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.0	-1.5	-1.3	-1.6	0.1	1.5	1.0	-1.0	-0.5	-1.2	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.4	-0.7	-0.1	-0.1	1.6	0.6	0.2	0.0	-0.2	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	0.9	-0.9	-0.5	-0.9	1.0	0.1	-0.2	-0.5	-0.1	-0.1	0.8
USGS 07380335 - Little Lake Near Cutoff	1.1	1.3	-0.8	-0.4	-0.6	1.6	0.5	0.3	-0.2	0.1	-0.3	1.0
USGS073802516 Barataria Pass at Grand Isle	0.8	1.1	-0.8	0.4	1.0	0.9	-0.1	-0.3	-0.6	-0.2	0.0	0.5
HWQ14 - Lake Washington	0.2	0.5	-0.7	1.3	1.4	0.8	-0.2	-0.2	-0.2	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.4	0.9	0.7	0.6	0.5	0.1	-0.4	-0.7	-0.1	-0.7	-0.6	0.2
CRMS 3985	0.2	0.3	-0.2	0.3	0.7	0.3	-0.1	0.0	0.0	-0.3	0.0	0.3
CRMS 0258	0.5	0.9	-0.8	-1.8	-1.2	0.5	0.3	0.3	0.0	0.3	-0.2	0.5
CRMS 0224	0.9	1.2	-0.7	-1.4	-1.4	1.6	-0.1	-0.6	-0.7	-0.6	-0.1	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.0	-0.2	-0.5	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	0.1	0.0	0.0

Figure WQ DO 142 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.9	10.4	9.3	8.4	7.2	6.8	6.8	6.9	8.3	10.1	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.6	9.2	9.2	8.8	8.2	7.8	7.2	6.6	7.6	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.1	9.3	9.9	9.8	8.0	8.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	10.3	9.6	8.9	8.2	7.7	7.6	7.6	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	9.0	7.5	6.5	6.6	6.7	6.7	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.4	9.2	8.4	7.4	7.1	6.7	6.9	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	10.3	9.1	8.5	7.5	6.8	6.3	6.6	7.3	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.7	9.0	8.0	7.8	6.9	7.3	8.5	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.7	9.3	8.1	7.0	6.6	6.3	6.5	8.0	9.6	9.4
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.0	7.2	6.6	7.3	8.3	7.0	7.9	8.2	8.0
CRMS 3985	11.0	10.2	9.8	9.1	7.5	6.6	6.8	6.7	6.7	7.8	9.6	9.5
CRMS 0258	10.6	9.7	10.5	10.5	10.2	8.9	7.9	7.5	7.5	8.6	9.6	9.4
CRMS 0224	10.1	9.3	10.3	9.9	9.3	8.6	7.9	7.5	7.4	8.5	9.0	9.0
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.4	13.8	12.0	8.9	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.3	8.5	7.9	7.7	7.4	9.2	8.5	7.8	8.9	9.4

V3PR6 HYST - cy 3 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.2	9.2	8.7	7.5	6.8	6.4	6.5	7.0	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.8	9.6	9.5	9.2	8.6	8.0	7.1	6.8	7.8	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.2	9.3	10.1	9.8	8.8	8.5	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.6	9.7	9.1	8.3	8.1	8.8	8.2	6.6	7.7	8.9	8.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.6	9.9	9.3	8.4	7.2	6.5	6.4	6.8	8.0	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.6	10.2	9.4	8.4	7.6	7.0	6.4	6.6	8.1	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	9.8	10.5	10.5	9.4	8.2	8.0	7.4	6.3	6.6	7.8	8.9	9.0
USGS073802516 Barataria Pass at Grand Isle	10.0	10.3	10.8	9.7	9.3	8.1	7.7	6.4	6.9	8.5	9.3	9.3
HWQ14 - Lake Washington	10.8	10.3	10.8	9.5	8.5	7.2	6.4	6.1	6.3	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.3	9.3	8.9	8.2	7.5	6.5	7.1	8.3	6.3	7.2	8.0	8.1
CRMS 3985	11.0	10.4	10.0	8.9	8.0	6.7	6.1	6.0	6.4	7.6	9.6	9.4
CRMS 0258	10.6	10.5	11.0	10.3	11.4	8.8	7.9	7.6	7.8	8.8	9.7	9.5
CRMS 0224	10.3	10.5	10.7	9.8	10.8	8.2	7.4	7.0	6.7	8.2	9.1	9.1
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.2	13.6	12.2	10.0	8.2	9.4	9.8
CRMS 0162	10.0	10.0	9.2	8.5	7.8	7.3	7.0	8.4	9.2	7.6	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.7	-1.2	-0.6	-0.8	-0.4	-0.4	-0.3	0.1	-0.4	-1.0	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.4	0.3	0.4	0.4	0.1	-0.2	0.2	0.2	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.0	0.2	0.0	0.8	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.8	-0.7	-0.5	-0.6	-0.1	1.1	0.7	-1.0	-0.7	-1.1	-0.8
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.5	-0.2	0.3	0.9	0.7	-0.1	-0.3	0.1	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.5	1.2	-0.2	0.2	0.0	0.2	-0.1	-0.3	-0.4	0.1	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.4	1.2	0.2	0.4	-0.3	0.6	0.6	0.1	0.0	0.6	0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.2	0.9	0.2	-0.1	0.4	0.1	0.0	-0.5	-0.5	0.0	0.1	0.2
HWQ14 - Lake Washington	0.1	0.4	0.1	0.2	0.5	0.2	-0.2	-0.2	-0.2	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.5	0.3	0.2	0.4	-0.1	-0.2	0.0	-0.6	-0.7	-0.1	0.1
CRMS 3985	0.0	0.2	0.2	-0.2	0.4	0.1	-0.6	-0.6	-0.2	-0.2	0.0	-0.1
CRMS 0258	0.1	0.8	0.6	-0.2	1.1	-0.1	0.0	0.1	0.4	0.1	0.2	0.1
CRMS 0224	0.2	1.1	0.4	-0.1	1.5	-0.4	-0.4	-0.5	-0.7	-0.3	0.2	0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.2	-0.2	0.2	1.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.1	-0.1	-0.4	-0.4	-0.8	0.7	-0.2	0.0	0.0

Figure WQ DO 143 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.6	9.5	8.7	7.8	7.2	7.2	7.4	8.6	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.9	10.0	9.3	8.9	8.6	7.9	7.6	8.2	8.9	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.0	8.9	9.2	7.4	7.7	7.2	9.7	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.1	8.7	8.0	7.8	7.9	8.8	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.7	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.2	8.4	7.4	7.1	7.0	7.1	8.3	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.5	10.5	9.3	8.3	7.2	6.8	6.5	6.5	7.6	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.5	10.5	10.0	9.1	8.4	8.2	7.8	7.4	9.0	9.4	9.2
HWQ14 - Lake Washington	10.6	9.9	10.5	9.1	8.0	7.0	6.3	6.0	6.4	7.9	9.7	9.6
HWQ16 - Bayou Grand Liard	8.6	9.1	8.9	8.5	7.4	6.7	6.1	5.8	6.1	6.9	8.2	8.6
CRMS 3985	11.0	10.2	9.9	8.7	7.4	6.4	5.9	5.8	6.4	7.7	9.7	9.3
CRMS 0258	10.7	9.9	11.0	11.0	10.5	10.6	9.5	9.4	9.0	9.4	9.4	8.9
CRMS 0224	10.2	9.6	10.6	10.3	9.6	9.3	8.5	8.4	8.4	9.2	9.2	8.6
CRMS 0163	10.9	10.2	9.7	8.8	7.9	7.2	7.2	9.7	7.3	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.9	6.8	6.3	6.3	6.5	7.4	8.7	9.2

V3PR6 HYST - cy 3 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	8.5	8.3	8.0	7.6	7.0	6.6	6.6	6.8	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.5	10.2	9.9	10.0	9.2	8.3	7.6	8.2	7.5	8.3	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.4	9.1	9.4	7.9	7.6	7.1	9.3	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.6	9.6	8.8	7.8	6.8	6.4	7.8	7.7	8.3	8.9	8.9
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.8	9.0	7.8	6.8	6.3	7.0	6.8	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.3	9.7	8.9	7.9	6.8	6.0	6.9	7.0	8.2	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	11.2	10.6	9.9	9.2	8.2	7.2	6.0	6.4	6.6	7.9	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	11.1	10.5	9.9	10.5	8.9	8.9	7.5	7.9	7.3	8.7	9.2	9.2
HWQ14 - Lake Washington	11.0	10.4	9.8	10.3	8.2	7.2	6.1	5.8	6.1	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.7	10.1	9.7	9.2	7.6	6.8	6.3	6.0	6.0	6.7	8.0	8.1
CRMS 3985	11.3	10.5	9.9	9.3	7.9	7.0	6.5	6.0	6.4	7.5	9.5	9.3
CRMS 0258	11.5	10.7	10.2	10.0	10.6	13.1	12.6	12.2	9.4	9.7	9.3	9.1
CRMS 0224	11.4	10.7	10.1	9.6	9.3	9.8	7.5	10.2	8.1	8.4	9.0	8.8
CRMS 0163	10.9	10.3	9.7	8.9	8.0	7.9	8.1	10.6	7.2	8.4	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.8	6.8	6.3	6.3	6.5	7.5	8.6	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-1.5	-2.3	-1.5	-1.0	-0.8	-0.6	-0.6	-0.5	-0.8	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.8	0.3	0.1	0.0	-0.1	-0.6	-1.1	0.3	-0.1	0.1	-0.3	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.4	0.2	0.1	0.5	0.0	-0.1	-0.3	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.3	-0.3	-1.0	-1.2	-1.3	-1.9	-1.6	0.0	-0.2	-0.4	-1.1	-0.8
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.5	0.0	0.2	0.3	0.3	0.9	0.1	-0.1	-0.1	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.1	0.7	-0.6	-0.3	-0.6	-0.6	-1.1	-0.1	-0.1	-0.1	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.6	1.2	-0.5	-0.1	-0.1	0.0	-0.8	-0.1	0.1	0.3	0.0	0.4
USGS073802516 Barataria Pass at Grand Isle	1.2	1.1	-0.6	0.5	-0.2	0.5	-0.7	0.2	-0.1	-0.3	-0.2	0.0
HWQ14 - Lake Washington	0.3	0.5	-0.7	1.3	0.2	0.1	-0.2	-0.2	-0.2	-0.4	-0.2	-0.3
HWQ16 - Bayou Grand Liard	1.1	1.0	0.8	0.7	0.2	0.1	0.2	0.2	-0.1	-0.1	-0.3	-0.5
CRMS 3985	0.3	0.3	0.0	0.5	0.4	0.6	0.5	0.2	0.0	-0.2	-0.1	0.0
CRMS 0258	0.8	0.8	-0.8	-1.1	0.1	2.5	3.1	2.7	0.5	0.4	-0.1	0.2
CRMS 0224	1.2	1.1	-0.6	-0.7	-0.3	0.5	-1.0	1.8	-0.3	-0.7	-0.2	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.7	1.0	1.0	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.1

Figure WQ DO 144 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.8	10.3	9.5	8.7	8.0	7.4	7.1	7.1	8.5	9.9	10.1
CRMS0276 - Just east of Wilkinson Canal	9.3	9.2	9.2	9.1	8.2	10.4	9.4	8.1	7.6	8.0	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.7	9.6	9.1	8.1	10.2	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	10.2	10.0	9.3	8.8	8.0	7.7	7.8	8.7	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	9.0	7.6	6.5	6.2	6.0	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.3	9.2	8.5	7.5	7.2	7.2	7.1	8.3	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.1	10.2	9.3	8.0	7.3	7.1	6.7	6.5	7.6	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.8	9.1	8.4	8.4	8.0	7.4	8.9	9.3	8.9
HWQ14 - Lake Washington	10.7	9.9	10.8	9.2	8.0	7.1	6.5	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.2	8.6	9.0	8.3	7.3	7.1	6.2	6.1	6.1	7.0	9.0	8.4
CRMS 3985	11.0	10.3	9.8	8.9	7.5	6.4	6.0	5.9	6.4	7.7	9.5	9.3
CRMS 0258	10.5	9.4	9.9	10.3	10.7	10.6	9.6	9.2	8.6	9.2	9.4	9.2
CRMS 0224	10.1	9.2	10.0	10.1	10.0	9.3	8.4	8.3	8.2	9.1	9.0	8.6
CRMS 0163	10.7	10.6	9.7	8.8	7.5	6.8	8.4	12.3	7.6	8.7	9.5	9.7
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.5	6.2	6.4	6.5	8.1	8.7	9.4

V3PR6 HYST - cy 3 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.3	8.2	7.9	7.2	7.0	6.6	6.3	6.9	7.9	9.0	8.2
CRMS0276 - Just east of Wilkinson Canal	9.4	9.3	9.4	9.5	8.4	9.3	8.1	8.6	7.6	8.0	8.8	9.3
Barataria Waterway at Lafitte (USACE82875)	10.5	10.3	9.7	8.8	7.4	10.9	10.0	8.9	7.8	10.3	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	9.3	8.7	7.5	6.9	6.4	9.0	7.3	8.4	8.9	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.7	8.8	7.3	6.6	6.7	7.1	6.7	8.0	9.5	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.7	9.6	8.8	7.3	6.7	6.3	7.9	6.8	8.2	9.1	9.7
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	9.8	8.9	7.3	7.4	6.5	7.5	6.5	7.8	8.9	9.9
USGS073802516 Barataria Pass at Grand Isle	10.0	9.5	9.7	9.8	8.1	10.1	8.6	8.5	7.1	8.7	9.2	9.6
HWQ14 - Lake Washington	10.8	10.1	9.7	9.8	7.8	7.9	6.2	5.9	6.1	7.5	9.5	9.5
HWQ16 - Bayou Grand Liard	8.3	8.7	9.4	8.9	7.4	7.5	6.3	5.8	5.9	6.8	8.4	9.1
CRMS 3985	11.0	10.2	9.8	9.0	7.4	7.7	6.7	5.8	6.4	7.5	9.5	9.8
CRMS 0258	10.6	9.5	10.0	9.3	8.6	11.7	13.6	10.4	9.0	9.7	9.3	10.0
CRMS 0224	10.2	9.4	9.9	9.0	7.8	8.3	9.0	9.5	7.8	8.4	8.9	9.9
CRMS 0163	10.8	10.6	9.8	8.9	7.5	7.1	10.4	12.1	7.4	8.6	9.5	9.7
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.6	6.2	6.4	6.5	7.5	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	0.4	-2.1	-1.5	-1.5	-0.9	-0.8	-0.8	-0.3	-0.6	-0.9	-1.9
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.2	0.4	0.2	-1.1	-1.3	0.5	0.0	0.0	-0.6	0.4
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.2	0.4	-0.2	-0.2	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.2	-0.9	-1.2	-1.8	-1.9	-1.6	1.3	-0.5	-0.3	-1.1	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.5	-0.1	-0.3	0.1	0.5	1.2	0.1	-0.1	-0.1	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.7	-0.5	-1.3	-0.8	-0.9	0.8	-0.3	-0.1	-0.1	0.8
USGS 07380335 - Little Lake Near Cutoff	0.3	0.2	-0.4	-0.4	-0.7	0.0	-0.5	0.8	0.0	0.2	-0.4	1.4
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.9	0.1	-1.0	1.6	0.2	0.5	-0.4	-0.2	-0.1	0.7
HWQ14 - Lake Washington	0.1	0.1	-1.0	0.7	-0.2	0.8	-0.3	-0.3	-0.3	-0.4	-0.1	0.2
HWQ16 - Bayou Grand Liard	0.1	0.0	0.4	0.7	0.1	0.4	0.1	-0.3	-0.1	-0.2	-0.7	0.7
CRMS 3985	0.0	0.0	0.1	0.1	0.0	1.3	0.7	-0.1	0.0	-0.2	0.0	0.4
CRMS 0258	0.1	0.2	0.1	-1.0	-2.2	1.1	4.0	1.1	0.4	0.4	-0.1	0.9
CRMS 0224	0.1	0.2	-0.1	-1.0	-2.2	-1.0	0.6	1.3	-0.4	-0.7	-0.1	1.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	2.1	-0.2	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0

Figure WQ DO 145 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.5	8.7	7.9	7.2	6.7	6.9	8.3	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.6	9.1	9.8	9.0	8.7	7.2	7.0	7.8	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.3	8.6	10.0	9.7	9.2	9.0	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.5	9.9	9.2	8.7	8.0	7.6	7.6	8.5	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.5	8.0	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.5	7.5	7.2	6.8	7.0	8.1	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	10.4	9.3	8.4	7.2	6.9	6.1	6.4	7.4	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.5	9.9	9.1	8.5	8.3	7.1	7.3	8.8	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.6	9.1	8.0	7.1	6.4	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.5	9.0	8.7	8.3	7.7	6.7	6.3	8.7	6.2	7.4	8.0	7.9
CRMS 3985	11.0	10.2	9.8	8.8	7.5	6.4	6.0	5.8	6.3	7.5	9.6	9.4
CRMS 0258	10.6	9.8	10.8	10.8	10.7	10.6	8.6	7.7	8.1	8.8	9.5	9.0
CRMS 0224	10.1	9.5	10.5	10.2	9.7	9.3	8.4	8.1	7.6	8.7	9.0	8.7
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.0	13.2	13.1	8.5	8.5	9.5	9.9
CRMS 0162	10.4	9.9	9.2	8.5	7.7	6.7	6.4	7.0	8.7	7.6	8.9	9.3

V3PR7 HYST - cy 3 - 2002 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	8.6	8.9	8.0	7.6	7.0	6.3	6.4	6.9	7.9	9.1	9.1
CRMS0276 - Just east of Wilkinson Canal	10.1	10.1	9.8	9.7	9.4	8.2	8.4	7.4	7.3	7.9	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.3	9.8	8.8	8.9	8.9	10.0	9.7	9.3	8.8	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.1	9.7	8.6	7.8	6.8	9.7	9.1	7.0	8.2	8.8	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.8	8.8	7.6	6.6	7.3	6.4	6.6	7.9	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.5	9.8	8.8	7.6	6.6	8.0	6.7	6.5	8.1	9.1	9.4
USGS 07380335 - Little Lake Near Cutoff	10.6	10.6	9.9	8.9	7.7	6.8	7.5	6.5	6.3	7.7	8.8	9.1
USGS073802516 Barataria Pass at Grand Isle	10.7	10.4	10.4	9.8	9.4	8.4	8.5	7.2	6.8	8.7	9.2	9.3
HWQ14 - Lake Washington	10.9	10.4	10.3	9.8	8.8	7.1	6.4	6.0	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.1	9.8	9.4	8.9	7.8	6.7	6.0	8.0	5.9	6.9	8.0	8.1
CRMS 3985	11.1	10.5	9.8	9.0	8.0	7.1	6.0	5.9	6.3	7.4	9.5	9.3
CRMS 0258	11.3	10.7	10.2	9.4	10.2	11.3	9.6	8.3	8.2	9.1	9.4	9.4
CRMS 0224	11.0	10.7	9.9	9.1	8.5	8.3	9.6	7.8	7.3	8.3	9.0	9.1
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.5	13.6	13.2	8.1	8.4	9.4	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.6	6.7	6.3	6.4	7.5	7.8	8.8	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.0	-1.4	-1.6	-1.5	-1.1	-0.8	-0.9	-0.4	0.0	-0.4	-0.8	-0.9
CRMS0276 - Just east of Wilkinson Canal	0.5	0.3	0.2	0.6	-0.4	-0.8	-0.3	0.2	0.2	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.6	0.3	0.0	0.0	0.1	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.3	-0.7	-1.2	-1.4	-1.8	1.8	1.5	-0.6	-0.3	-1.1	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.5	-0.1	0.0	0.1	1.2	0.4	0.1	-0.2	-0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.0	-0.6	-0.5	-0.9	-0.8	0.8	0.0	-0.5	0.0	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	1.0	1.3	-0.5	-0.3	-0.7	-0.3	0.6	0.4	-0.1	0.3	0.2	0.5
USGS073802516 Barataria Pass at Grand Isle	0.8	1.0	-0.1	0.0	0.3	0.0	0.1	0.1	-0.5	-0.2	0.0	0.2
HWQ14 - Lake Washington	0.2	0.4	-0.2	0.7	0.8	0.0	0.0	-0.1	-0.2	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.6	0.9	0.7	0.7	0.2	0.0	-0.3	-0.7	-0.3	-0.5	0.0	0.2
CRMS 3985	0.1	0.3	0.0	0.2	0.5	0.7	0.0	0.1	0.0	-0.1	0.0	0.0
CRMS 0258	0.7	0.9	-0.6	-1.4	-0.5	0.7	1.0	0.5	0.1	0.3	-0.1	0.4
CRMS 0224	0.9	1.2	-0.5	-1.1	-1.2	-1.0	1.2	-0.3	-0.3	-0.4	0.1	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.5	0.4	0.2	-0.4	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.6	-1.2	0.2	0.0	0.0

Figure WQ DO 146 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.6	8.9	8.0	7.1	6.8	6.9	8.3	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.5	10.1	11.0	9.8	8.3	7.4	7.1	7.9	9.4	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.9	9.0	11.3	9.3	9.0	8.2	10.0	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.3	8.7	7.9	7.6	7.7	8.5	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.7	6.6	6.1	6.2	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.6	7.5	7.2	6.9	7.0	8.2	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.5	9.4	10.5	9.3	8.4	7.4	7.0	6.2	6.5	7.5	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.6	10.0	9.2	8.4	8.2	7.2	7.4	8.7	9.2	8.9
HWQ14 - Lake Washington	10.7	9.9	10.5	9.1	8.0	7.2	6.5	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.4	9.0	9.0	8.7	7.8	6.7	6.4	8.2	6.1	7.7	9.0	8.2
CRMS 3985	11.0	10.2	10.0	8.8	7.5	6.5	6.0	6.0	6.4	7.8	9.6	9.3
CRMS 0258	10.7	9.9	10.9	11.2	10.9	10.3	8.7	7.8	8.2	8.8	9.5	9.1
CRMS 0224	10.1	9.5	10.7	10.4	9.9	9.1	8.2	8.2	7.8	8.8	8.9	8.6
CRMS 0163	11.0	10.4	9.5	8.8	7.7	9.9	12.0	11.9	7.7	9.6	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.3	7.5	9.1	8.7	9.4

V3PR7 HYST - cy 3 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	8.5	8.2	8.0	7.6	6.8	6.3	6.4	6.9	7.9	9.1	8.7
CRMS0276 - Just east of Wilkinson Canal	9.8	10.1	9.7	10.2	9.9	9.5	8.3	7.6	7.3	7.7	8.9	8.9
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.6	9.1	9.7	11.1	9.4	8.9	8.1	10.1	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	9.1	8.7	7.7	8.9	10.0	9.1	7.0	8.3	8.8	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.6	8.8	7.6	8.2	6.7	6.3	6.6	7.9	9.6	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.4	9.5	8.8	7.6	8.5	7.3	6.7	6.5	8.1	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.7	10.7	9.8	8.9	7.8	9.0	7.5	6.5	6.3	7.7	9.0	9.5
USGS073802516 Barataria Pass at Grand Isle	10.6	10.5	9.8	10.4	10.1	9.2	8.1	7.0	6.7	8.6	9.2	9.4
HWQ14 - Lake Washington	10.9	10.4	9.7	10.4	9.4	7.9	6.3	5.9	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.8	10.0	9.7	9.3	8.2	6.8	6.0	7.5	6.0	7.1	8.5	8.4
CRMS 3985	11.2	10.6	9.8	9.1	8.3	6.8	6.0	5.9	6.4	7.5	9.5	9.5
CRMS 0258	11.2	10.7	10.1	9.3	9.6	10.8	9.1	8.1	8.3	9.2	9.3	9.7
CRMS 0224	11.0	10.7	9.9	9.0	8.4	10.8	8.1	7.6	7.2	8.3	8.9	9.4
CRMS 0163	10.9	10.4	9.6	8.8	7.7	9.9	11.5	11.9	7.6	9.0	9.5	9.8
CRMS 0162	10.3	9.8	9.2	8.5	7.5	6.9	6.4	6.3	6.8	9.2	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.4	-1.5	-2.3	-1.6	-1.3	-1.2	-0.8	-0.4	-0.1	-0.4	-0.8	-1.3
CRMS0276 - Just east of Wilkinson Canal	0.3	0.3	0.2	0.1	-1.1	-0.3	0.0	0.2	0.2	-0.2	-0.6	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.2	0.6	-0.2	0.0	-0.1	-0.2	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.1	-1.4	-1.3	-1.6	0.2	2.0	1.5	-0.7	-0.2	-1.1	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.4	-0.7	-0.1	-0.1	1.6	0.6	0.2	0.0	-0.2	-0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	0.9	-1.0	-0.5	-1.0	1.0	0.1	-0.2	-0.5	0.0	-0.1	0.8
USGS 07380335 - Little Lake Near Cutoff	1.2	1.3	-0.8	-0.4	-0.6	1.6	0.5	0.3	-0.2	0.2	-0.2	1.0
USGS073802516 Barataria Pass at Grand Isle	0.8	1.1	-0.8	0.4	1.0	0.8	-0.2	-0.3	-0.6	-0.2	0.0	0.5
HWQ14 - Lake Washington	0.2	0.5	-0.7	1.3	1.4	0.7	-0.2	-0.2	-0.2	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.4	0.9	0.7	0.6	0.5	0.1	-0.4	-0.7	-0.1	-0.6	-0.4	0.2
CRMS 3985	0.2	0.3	-0.2	0.3	0.8	0.3	-0.1	0.0	0.0	-0.3	0.0	0.2
CRMS 0258	0.5	0.9	-0.8	-1.9	-1.3	0.5	0.3	0.4	0.0	0.3	-0.2	0.6
CRMS 0224	0.9	1.2	-0.8	-1.4	-1.5	1.6	-0.1	-0.6	-0.6	-0.5	0.0	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	-0.2	-0.5	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.7	0.1	0.0	0.0

Figure WQ DO 147 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.9	10.4	9.3	8.4	7.2	6.8	6.8	6.9	8.3	10.1	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.6	9.2	9.2	8.8	8.2	7.8	7.2	6.6	7.6	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.1	9.3	9.9	9.8	8.0	8.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	10.3	9.6	8.9	8.2	7.7	7.6	7.6	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	9.0	7.5	6.5	6.6	6.7	6.7	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.4	9.2	8.4	7.4	7.1	6.7	6.9	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	10.3	9.1	8.5	7.5	6.8	6.3	6.6	7.3	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.7	9.0	8.0	7.8	6.9	7.3	8.5	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.7	9.3	8.1	7.0	6.6	6.3	6.5	8.0	9.6	9.4
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.0	7.2	6.6	7.3	8.3	7.0	7.9	8.2	8.0
CRMS 3985	11.0	10.2	9.8	9.1	7.5	6.6	6.8	6.7	6.7	7.8	9.6	9.5
CRMS 0258	10.6	9.7	10.5	10.5	10.2	8.9	7.9	7.5	7.5	8.6	9.6	9.4
CRMS 0224	10.1	9.3	10.3	9.9	9.3	8.6	7.9	7.5	7.4	8.5	9.0	9.0
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.4	13.8	12.0	8.9	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.3	8.5	7.9	7.7	7.4	9.2	8.5	7.8	8.9	9.4

V3PR7 HYST - cy 3 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.2	9.2	8.7	7.6	6.8	6.5	6.5	7.0	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.8	9.6	9.4	9.0	8.6	7.9	7.0	6.8	7.7	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.2	9.3	10.1	9.8	8.8	8.6	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.5	9.7	9.2	8.0	8.6	9.5	8.9	7.0	8.0	8.9	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.6	9.9	9.3	8.4	7.2	6.5	6.3	6.8	8.0	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.6	10.1	9.4	8.4	7.6	7.0	6.4	6.6	8.1	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	9.8	10.5	10.4	9.4	8.2	8.0	7.4	6.3	6.6	7.7	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.0	10.3	10.8	9.6	9.3	8.2	7.7	6.4	6.8	8.4	9.2	9.3
HWQ14 - Lake Washington	10.8	10.3	10.8	9.4	8.4	7.1	6.4	6.1	6.3	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.3	9.3	8.9	8.2	7.5	6.5	7.1	8.3	6.3	7.3	8.0	8.1
CRMS 3985	11.0	10.4	9.8	8.9	7.9	6.7	6.1	6.0	6.5	7.6	9.6	9.4
CRMS 0258	10.6	10.5	11.0	10.2	11.5	8.8	7.9	7.6	7.9	8.8	9.7	9.6
CRMS 0224	10.3	10.5	10.7	9.8	10.8	8.2	7.4	7.0	6.7	8.2	9.2	9.1
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.2	13.7	12.3	10.1	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.2	8.5	7.8	7.5	6.9	8.3	9.2	7.7	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.7	-1.2	-0.6	-0.8	-0.4	-0.3	-0.3	0.1	-0.4	-1.0	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.4	0.2	0.3	0.4	0.1	-0.2	0.2	0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.8	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.7	-0.6	-0.5	-0.9	0.4	1.8	1.3	-0.5	-0.4	-1.0	-0.7
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.5	-0.2	0.3	0.9	0.7	-0.1	-0.3	0.1	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.5	1.2	-0.3	0.2	0.0	0.2	-0.1	-0.3	-0.4	0.1	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	0.4	1.3	0.1	0.3	-0.3	0.6	0.5	0.0	0.0	0.5	0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.2	0.9	0.2	-0.1	0.3	0.2	0.0	-0.5	-0.5	0.0	0.1	0.1
HWQ14 - Lake Washington	0.1	0.3	0.1	0.2	0.4	0.1	-0.2	-0.2	-0.2	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.5	0.3	0.2	0.4	-0.1	-0.2	0.0	-0.6	-0.6	-0.1	0.1
CRMS 3985	0.0	0.2	0.0	-0.2	0.4	0.0	-0.6	-0.6	-0.2	-0.2	-0.1	-0.1
CRMS 0258	0.1	0.8	0.6	-0.2	1.2	-0.1	0.0	0.1	0.4	0.1	0.2	0.1
CRMS 0224	0.2	1.1	0.3	-0.1	1.5	-0.4	-0.4	-0.5	-0.7	-0.3	0.2	0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1	0.3	1.3	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.5	-0.9	0.7	-0.1	-0.1	0.0

Figure WQ DO 148 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.6	9.5	8.7	7.8	7.2	7.2	7.4	8.6	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.9	10.0	9.3	8.9	8.6	7.9	7.6	8.2	8.9	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.0	8.9	9.2	7.4	7.7	7.2	9.7	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.1	8.7	8.0	7.8	7.9	8.8	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.7	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.2	8.4	7.4	7.1	7.0	7.1	8.3	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.5	10.5	9.3	8.3	7.2	6.8	6.5	6.5	7.6	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.5	10.5	10.0	9.1	8.4	8.2	7.8	7.4	9.0	9.4	9.2
HWQ14 - Lake Washington	10.6	9.9	10.5	9.1	8.0	7.0	6.3	6.0	6.4	7.9	9.7	9.6
HWQ16 - Bayou Grand Liard	8.6	9.1	8.9	8.5	7.4	6.7	6.1	5.8	6.1	6.9	8.2	8.6
CRMS 3985	11.0	10.2	9.9	8.7	7.4	6.4	5.9	5.8	6.4	7.7	9.7	9.3
CRMS 0258	10.7	9.9	11.0	11.0	10.5	10.6	9.5	9.4	9.0	9.4	9.4	8.9
CRMS 0224	10.2	9.6	10.6	10.3	9.6	9.3	8.5	8.4	8.4	9.2	9.2	8.6
CRMS 0163	10.9	10.2	9.7	8.8	7.9	7.2	7.2	9.7	7.3	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.9	6.8	6.3	6.3	6.5	7.4	8.7	9.2

V3PR7 HYST - cy 3 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.1	7.6	7.0	6.6	6.6	6.8	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.5	10.2	9.9	10.1	9.2	8.4	7.6	8.2	7.5	8.2	8.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.3	9.8	9.4	9.0	9.3	7.8	7.6	7.1	9.4	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.8	9.7	9.6	8.8	7.8	6.8	6.4	7.3	7.9	8.6	8.9	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.8	9.0	7.8	6.8	6.4	7.0	6.8	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.3	9.7	8.9	7.8	6.8	6.0	6.9	7.0	8.2	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.2	10.6	9.9	9.2	8.2	7.2	6.0	6.4	6.6	7.9	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	11.1	10.5	9.9	10.5	8.9	8.9	7.5	7.9	7.3	8.7	9.2	9.2
HWQ14 - Lake Washington	10.9	10.4	9.9	10.3	8.2	7.2	6.1	5.8	6.1	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.7	10.1	9.7	9.2	7.6	6.8	6.3	6.0	6.0	6.7	8.0	8.2
CRMS 3985	11.3	10.5	9.9	9.3	7.9	7.0	6.4	6.0	6.4	7.5	9.5	9.3
CRMS 0258	11.5	10.7	10.2	9.9	10.7	13.1	13.1	12.5	9.4	9.8	9.3	9.1
CRMS 0224	11.4	10.7	10.1	9.5	9.3	9.7	7.4	10.1	8.1	8.4	9.0	8.8
CRMS 0163	10.9	10.3	9.7	8.9	8.0	7.8	8.1	10.5	7.2	8.4	9.5	9.9
CRMS 0162	10.3	9.8	9.2	8.5	7.8	6.8	6.2	6.3	6.5	7.5	8.6	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-1.5	-2.3	-1.5	-1.0	-0.8	-0.6	-0.6	-0.5	-0.8	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.8	0.3	0.1	0.0	-0.1	-0.6	-1.1	0.3	0.0	0.0	-0.2	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.4	0.2	0.1	0.5	-0.1	-0.1	-0.3	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.3	-0.2	-1.0	-1.1	-1.3	-1.9	-1.6	-0.4	0.0	-0.1	-1.1	-0.7
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.5	0.1	0.2	0.3	0.3	0.9	0.1	-0.1	-0.1	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.1	0.7	-0.6	-0.3	-0.6	-0.6	-1.1	-0.1	-0.1	-0.1	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	1.6	1.2	-0.5	-0.1	-0.1	0.0	-0.8	-0.1	0.1	0.3	0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	1.2	1.1	-0.6	0.5	-0.2	0.6	-0.7	0.1	-0.1	-0.3	-0.2	0.0
HWQ14 - Lake Washington	0.3	0.5	-0.7	1.3	0.2	0.1	-0.3	-0.2	-0.2	-0.4	-0.2	-0.3
HWQ16 - Bayou Grand Liard	1.1	1.0	0.8	0.7	0.2	0.1	0.2	0.2	-0.1	-0.1	-0.3	-0.4
CRMS 3985	0.3	0.3	0.0	0.5	0.5	0.6	0.5	0.2	0.0	-0.2	-0.2	0.0
CRMS 0258	0.8	0.8	-0.8	-1.1	0.2	2.5	3.5	3.1	0.5	0.4	-0.1	0.2
CRMS 0224	1.2	1.1	-0.6	-0.8	-0.3	0.4	-1.0	1.7	-0.3	-0.7	-0.2	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.6	0.9	0.8	-0.1	-0.1	0.0	0.0
CRMS 0162	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1

Figure WQ DO 149 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.8	10.3	9.5	8.7	8.0	7.4	7.1	7.1	8.5	9.9	10.1
CRMS0276 - Just east of Wilkinson Canal	9.3	9.2	9.2	9.1	8.2	10.4	9.4	8.1	7.6	8.0	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.7	9.6	9.1	8.1	10.2	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	10.2	10.0	9.3	8.8	8.0	7.7	7.8	8.7	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	9.0	7.6	6.5	6.2	6.0	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.3	9.2	8.5	7.5	7.2	7.2	7.1	8.3	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.1	10.2	9.3	8.0	7.3	7.1	6.7	6.5	7.6	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.8	9.1	8.4	8.4	8.0	7.4	8.9	9.3	8.9
HWQ14 - Lake Washington	10.7	9.9	10.8	9.2	8.0	7.1	6.5	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.2	8.6	9.0	8.3	7.3	7.1	6.2	6.1	6.1	7.0	9.0	8.4
CRMS 3985	11.0	10.3	9.8	8.9	7.5	6.4	6.0	5.9	6.4	7.7	9.5	9.3
CRMS 0258	10.5	9.4	9.9	10.3	10.7	10.6	9.6	9.2	8.6	9.2	9.4	9.2
CRMS 0224	10.1	9.2	10.0	10.1	10.0	9.3	8.4	8.3	8.2	9.1	9.0	8.6
CRMS 0163	10.7	10.6	9.7	8.8	7.5	6.8	8.4	12.3	7.6	8.7	9.5	9.7
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.5	6.2	6.4	6.5	8.1	8.7	9.4

V3PR7 HYST - cy 3 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.3	8.3	8.0	7.2	7.0	6.6	6.4	6.8	7.9	9.1	8.2
CRMS0276 - Just east of Wilkinson Canal	9.4	9.3	9.4	9.5	8.3	9.3	8.1	8.7	7.6	7.9	8.7	9.3
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.9	10.0	8.9	7.9	10.3	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	9.4	8.7	7.5	6.8	6.4	9.3	7.5	8.6	8.9	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.7	8.8	7.3	6.7	6.7	7.1	6.7	8.0	9.6	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	9.6	8.8	7.3	6.7	6.3	7.9	6.8	8.2	9.1	9.7
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	9.8	8.9	7.3	7.3	6.6	7.5	6.5	7.8	8.9	9.9
USGS073802516 Barataria Pass at Grand Isle	10.0	9.5	9.7	9.8	8.1	10.0	8.6	8.5	7.1	8.7	9.2	9.6
HWQ14 - Lake Washington	10.8	10.0	9.7	9.8	7.8	7.9	6.2	5.9	6.1	7.5	9.5	9.5
HWQ16 - Bayou Grand Liard	8.3	8.7	9.4	8.9	7.4	7.5	6.3	5.7	5.9	6.8	8.3	9.1
CRMS 3985	11.0	10.2	9.8	9.0	7.5	7.6	6.7	5.8	6.4	7.5	9.5	9.8
CRMS 0258	10.6	9.5	10.0	9.3	8.4	11.6	13.7	10.4	9.0	9.7	9.3	10.1
CRMS 0224	10.2	9.4	9.9	9.0	7.7	8.1	8.9	9.5	7.8	8.4	9.0	9.9
CRMS 0163	10.7	10.6	9.8	8.8	7.5	7.0	10.3	12.1	7.4	8.6	9.5	9.7
CRMS 0162	9.9	9.7	9.3	8.5	7.4	6.5	6.2	6.4	6.5	7.5	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	0.5	-2.1	-1.5	-1.5	-0.9	-0.8	-0.8	-0.3	-0.6	-0.9	-1.9
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.2	0.4	0.1	-1.1	-1.3	0.5	0.0	-0.1	-0.7	0.4
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.2	0.4	-0.3	-0.2	0.1	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.3	-0.8	-1.2	-1.8	-1.9	-1.7	1.6	-0.3	-0.1	-1.0	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.4	-0.1	-0.3	0.1	0.6	1.1	0.1	-0.1	-0.1	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.7	-0.5	-1.3	-0.8	-0.9	0.8	-0.3	-0.1	-0.1	0.8
USGS 07380335 - Little Lake Near Cutoff	0.3	0.2	-0.4	-0.4	-0.7	0.0	-0.5	0.8	0.0	0.2	-0.4	1.4
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.9	0.1	-1.0	1.6	0.2	0.5	-0.4	-0.2	-0.1	0.7
HWQ14 - Lake Washington	0.1	0.1	-1.0	0.7	-0.2	0.8	-0.3	-0.3	-0.3	-0.4	-0.1	0.2
HWQ16 - Bayou Grand Liard	0.1	0.0	0.4	0.6	0.1	0.4	0.1	-0.3	-0.1	-0.2	-0.7	0.6
CRMS 3985	0.0	0.0	0.1	0.1	0.0	1.2	0.7	-0.1	0.0	-0.2	0.0	0.4
CRMS 0258	0.1	0.2	0.1	-1.0	-2.3	1.0	4.1	1.1	0.4	0.4	-0.1	0.9
CRMS 0224	0.1	0.2	-0.1	-1.1	-2.2	-1.2	0.5	1.3	-0.4	-0.7	0.0	1.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	2.0	-0.2	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.0	0.0

Figure WQ DO 150 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.5	8.7	7.9	7.2	6.7	6.9	8.3	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.6	9.1	9.8	9.0	8.7	7.2	7.0	7.8	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.3	8.6	10.0	9.7	9.2	9.0	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.5	9.9	9.2	8.7	8.0	7.6	7.6	8.5	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.5	8.0	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.5	7.5	7.2	6.8	7.0	8.1	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	10.4	9.3	8.4	7.2	6.9	6.1	6.4	7.4	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.5	9.9	9.1	8.5	8.3	7.1	7.3	8.8	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.6	9.1	8.0	7.1	6.4	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.5	9.0	8.7	8.3	7.7	6.7	6.3	8.7	6.2	7.4	8.0	7.9
CRMS 3985	11.0	10.2	9.8	8.8	7.5	6.4	6.0	5.8	6.3	7.5	9.6	9.4
CRMS 0258	10.6	9.8	10.8	10.8	10.7	10.6	8.6	7.7	8.1	8.8	9.5	9.0
CRMS 0224	10.1	9.5	10.5	10.2	9.7	9.3	8.4	8.1	7.6	8.7	9.0	8.7
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.0	13.2	13.1	8.5	8.5	9.5	9.9
CRMS 0162	10.4	9.9	9.2	8.5	7.7	6.7	6.4	7.0	8.7	7.6	8.9	9.3

V3PR8 HYST - cy 3 - 2002 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	8.5	8.9	8.0	7.6	7.0	6.4	6.4	6.9	7.9	9.1	9.1
CRMS0276 - Just east of Wilkinson Canal	10.1	10.0	9.9	9.7	9.3	8.0	8.2	7.3	6.7	7.5	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.5	10.1	9.8	9.5	10.0	9.6	9.4	9.3	8.9	9.4	9.7	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.1	9.7	8.6	7.8	6.8	9.4	8.7	6.6	8.0	8.8	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.8	8.8	7.6	6.6	7.2	6.5	6.6	7.9	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.5	9.8	8.8	7.6	6.6	8.0	6.6	6.4	8.0	9.1	9.3
USGS 07380335 - Little Lake Near Cutoff	10.6	10.6	9.9	8.9	7.7	6.8	7.6	6.5	6.4	7.7	8.8	9.0
USGS073802516 Barataria Pass at Grand Isle	10.7	10.4	10.3	9.8	9.4	8.4	8.4	7.1	6.7	8.6	9.2	9.3
HWQ14 - Lake Washington	10.9	10.4	10.1	9.8	8.9	7.2	6.4	5.9	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	9.1	9.8	9.4	8.9	7.8	6.7	6.0	8.2	6.0	7.3	8.0	8.1
CRMS 3985	11.1	10.5	9.8	9.0	8.0	7.1	5.9	5.9	6.3	7.5	9.5	9.4
CRMS 0258	11.4	10.7	10.2	9.4	9.7	11.0	9.7	8.3	8.3	9.0	9.3	9.2
CRMS 0224	11.0	10.7	9.9	9.0	8.4	8.1	9.6	7.8	7.0	8.3	9.0	9.0
CRMS 0163	10.8	10.4	9.9	8.8	7.9	7.6	13.9	13.1	8.2	8.5	9.4	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.6	6.7	6.4	6.5	7.5	7.7	8.8	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.0	-1.4	-1.6	-1.5	-1.1	-0.8	-0.8	-0.4	0.1	-0.4	-0.8	-0.9
CRMS0276 - Just east of Wilkinson Canal	0.5	0.2	0.3	0.6	-0.6	-0.9	-0.5	0.1	-0.4	-0.3	-0.1	-0.1
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.3	0.0	0.7	1.8	1.0	-0.6	-0.4	-0.3	0.5	0.1	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.2	-0.7	-1.2	-1.4	-1.8	1.4	1.1	-1.0	-0.5	-1.1	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.5	-0.1	0.0	0.1	1.2	0.4	0.1	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	1.0	-0.6	-0.5	-0.9	-0.9	0.8	-0.2	-0.6	-0.1	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	1.1	1.3	-0.5	-0.3	-0.7	-0.4	0.7	0.4	0.0	0.2	0.2	0.4
USGS073802516 Barataria Pass at Grand Isle	0.8	1.0	-0.2	0.0	0.4	0.0	0.1	0.0	-0.6	-0.3	0.0	0.2
HWQ14 - Lake Washington	0.3	0.5	-0.4	0.7	0.9	0.1	0.0	-0.1	-0.2	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.6	0.8	0.7	0.6	0.2	0.0	-0.3	-0.5	-0.2	-0.1	0.1	0.1
CRMS 3985	0.1	0.3	-0.1	0.2	0.6	0.7	0.0	0.1	0.0	-0.1	0.0	0.0
CRMS 0258	0.7	0.9	-0.6	-1.4	-1.0	0.3	1.1	0.6	0.1	0.2	-0.1	0.3
CRMS 0224	0.9	1.2	-0.6	-1.2	-1.3	-1.2	1.3	-0.2	-0.6	-0.4	0.0	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.2	0.6	0.7	0.1	-0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	-1.2	0.0	0.0	0.0

Figure WQ DO 151 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.6	8.9	8.0	7.1	6.8	6.9	8.3	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.5	10.1	11.0	9.8	8.3	7.4	7.1	7.9	9.4	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.9	9.0	11.3	9.3	9.0	8.2	10.0	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.3	8.7	7.9	7.6	7.7	8.5	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.7	6.6	6.1	6.2	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.6	7.5	7.2	6.9	7.0	8.2	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.5	9.4	10.5	9.3	8.4	7.4	7.0	6.2	6.5	7.5	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.6	10.0	9.2	8.4	8.2	7.2	7.4	8.7	9.2	8.9
HWQ14 - Lake Washington	10.7	9.9	10.5	9.1	8.0	7.2	6.5	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.4	9.0	9.0	8.7	7.8	6.7	6.4	8.2	6.1	7.7	9.0	8.2
CRMS 3985	11.0	10.2	10.0	8.8	7.5	6.5	6.0	6.0	6.4	7.8	9.6	9.3
CRMS 0258	10.7	9.9	10.9	11.2	10.9	10.3	8.7	7.8	8.2	8.8	9.5	9.1
CRMS 0224	10.1	9.5	10.7	10.4	9.9	9.1	8.2	8.2	7.8	8.8	8.9	8.6
CRMS 0163	11.0	10.4	9.5	8.8	7.7	9.9	12.0	11.9	7.7	9.6	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.3	7.5	9.1	8.7	9.4

V3PR8 HYST - cy 3 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	8.5	8.2	8.0	7.6	6.8	6.4	6.4	6.9	7.9	9.1	8.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.7	10.3	9.9	9.1	8.0	7.3	6.7	8.1	9.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.0	9.6	10.3	10.8	10.8	9.6	9.8	8.8	9.8	9.9	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	9.1	8.7	7.7	8.7	9.6	8.7	6.6	8.1	8.7	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.6	8.8	7.6	8.1	6.7	6.3	6.6	8.0	9.6	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.4	9.5	8.7	7.6	8.5	7.1	6.5	6.4	8.0	9.1	9.6
USGS 07380335 - Little Lake Near Cutoff	10.7	10.7	9.8	8.9	7.8	9.0	7.5	6.4	6.2	7.6	9.1	9.4
USGS073802516 Barataria Pass at Grand Isle	10.7	10.5	9.8	10.4	10.1	9.1	8.1	6.8	6.6	8.5	9.2	9.4
HWQ14 - Lake Washington	10.9	10.4	9.8	10.4	9.5	7.8	6.2	5.8	6.2	7.5	9.5	9.4
HWQ16 - Bayou Grand Liard	8.8	9.9	9.7	9.2	8.2	6.7	6.0	7.7	6.0	7.4	8.7	8.5
CRMS 3985	11.2	10.6	9.8	9.1	8.3	6.8	6.0	5.9	6.4	7.5	9.5	9.5
CRMS 0258	11.2	10.8	10.1	9.3	9.3	11.0	9.1	8.2	8.2	9.0	9.2	9.6
CRMS 0224	11.0	10.7	9.9	9.0	8.3	10.9	8.1	7.6	6.9	8.3	8.8	9.4
CRMS 0163	10.9	10.4	9.6	8.9	7.7	9.9	12.2	12.1	7.6	8.9	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.4	6.8	9.1	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.4	-1.5	-2.3	-1.6	-1.2	-1.2	-0.8	-0.4	0.0	-0.4	-0.8	-1.3
CRMS0276 - Just east of Wilkinson Canal	0.2	0.2	0.2	0.3	-1.1	-0.7	-0.2	-0.1	-0.4	0.2	0.5	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.2	-0.3	0.0	1.4	1.7	-0.5	0.3	0.7	0.6	-0.3	0.0	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.0	-1.5	-1.3	-1.6	0.0	1.7	1.1	-1.1	-0.5	-1.2	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.4	-0.7	-0.1	-0.1	1.5	0.6	0.2	0.0	-0.2	0.0	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	0.9	-1.0	-0.5	-1.0	1.0	0.0	-0.4	-0.7	-0.2	-0.1	0.7
USGS 07380335 - Little Lake Near Cutoff	1.2	1.3	-0.8	-0.4	-0.6	1.6	0.5	0.3	-0.2	0.1	-0.1	0.9
USGS073802516 Barataria Pass at Grand Isle	0.8	1.1	-0.8	0.4	1.0	0.7	-0.2	-0.4	-0.8	-0.2	-0.1	0.4
HWQ14 - Lake Washington	0.3	0.5	-0.7	1.3	1.4	0.7	-0.3	-0.3	-0.2	-0.4	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.4	0.9	0.7	0.6	0.5	0.0	-0.4	-0.5	-0.1	-0.3	-0.3	0.2
CRMS 3985	0.2	0.3	-0.2	0.4	0.9	0.3	-0.1	0.0	0.0	-0.2	0.0	0.2
CRMS 0258	0.5	0.9	-0.8	-1.9	-1.6	0.7	0.3	0.4	0.0	0.2	-0.3	0.5
CRMS 0224	0.9	1.2	-0.8	-1.4	-1.6	1.7	-0.1	-0.5	-0.9	-0.5	-0.1	0.8
CRMS 0163	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.3	-0.1	-0.6	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	-0.6	0.0	0.0	0.0

Figure WQ DO 152 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.9	10.4	9.3	8.4	7.2	6.8	6.8	6.9	8.3	10.1	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.6	9.2	9.2	8.8	8.2	7.8	7.2	6.6	7.6	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.1	9.3	9.9	9.8	8.0	8.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	10.3	9.6	8.9	8.2	7.7	7.6	7.6	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	9.0	7.5	6.5	6.6	6.7	6.7	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.4	9.2	8.4	7.4	7.1	6.7	6.9	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	10.3	9.1	8.5	7.5	6.8	6.3	6.6	7.3	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.7	9.0	8.0	7.8	6.9	7.3	8.5	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.7	9.3	8.1	7.0	6.6	6.3	6.5	8.0	9.6	9.4
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.0	7.2	6.6	7.3	8.3	7.0	7.9	8.2	8.0
CRMS 3985	11.0	10.2	9.8	9.1	7.5	6.6	6.8	6.7	6.7	7.8	9.6	9.5
CRMS 0258	10.6	9.7	10.5	10.5	10.2	8.9	7.9	7.5	7.5	8.6	9.6	9.4
CRMS 0224	10.1	9.3	10.3	9.9	9.3	8.6	7.9	7.5	7.4	8.5	9.0	9.0
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.4	13.8	12.0	8.9	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.3	8.5	7.9	7.7	7.4	9.2	8.5	7.8	8.9	9.4

V3PR8 HYST - cy 3 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.2	9.2	8.7	7.6	6.8	6.5	6.5	7.0	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.6	9.4	9.2	8.9	8.0	7.8	7.2	6.4	7.6	8.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.3	10.0	9.7	9.7	9.9	10.0	9.0	9.1	9.1	9.2	9.6	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.5	9.7	9.1	8.0	8.4	9.2	8.5	6.7	7.8	8.9	8.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.3	8.4	7.2	6.5	6.4	6.8	8.0	9.7	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.6	10.1	9.4	8.3	7.5	6.8	6.1	6.3	8.0	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.8	10.5	10.5	9.5	8.2	8.0	7.3	6.3	6.6	7.5	8.9	8.9
USGS073802516 Barataria Pass at Grand Isle	10.0	10.2	10.8	9.7	9.3	8.1	7.7	6.4	6.8	8.2	9.2	9.3
HWQ14 - Lake Washington	10.8	10.3	10.7	9.5	8.4	7.1	6.3	6.0	6.3	7.6	9.5	9.4
HWQ16 - Bayou Grand Liard	8.3	9.3	8.8	8.2	7.5	6.4	7.1	8.2	6.5	7.9	8.3	8.0
CRMS 3985	11.0	10.4	10.0	8.9	8.0	6.7	6.1	6.1	6.5	7.6	9.6	9.4
CRMS 0258	10.7	10.6	10.8	10.2	11.4	8.6	7.8	7.5	7.6	8.7	9.5	9.4
CRMS 0224	10.3	10.5	10.6	9.7	10.7	8.1	7.4	6.9	6.7	8.0	8.9	8.9
CRMS 0163	10.8	10.6	10.0	9.0	8.0	9.0	13.9	12.2	10.2	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.2	8.5	7.9	7.3	6.8	8.5	9.5	7.7	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.4	-0.7	-1.2	-0.6	-0.8	-0.4	-0.3	-0.2	0.1	-0.4	-0.9	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.2	0.0	0.1	-0.2	0.0	0.0	-0.2	0.0	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.4	-0.1	0.6	1.8	0.6	-0.9	-0.6	1.1	0.5	0.1	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.7	-0.7	-0.5	-0.9	0.1	1.4	1.0	-0.9	-0.6	-1.1	-0.8
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.5	-0.2	0.3	0.9	0.7	-0.1	-0.2	0.1	-0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.5	1.2	-0.3	0.3	-0.1	0.1	-0.3	-0.5	-0.6	-0.1	0.0	0.0
USGS 07380335 - Little Lake Near Cutoff	0.4	1.2	0.2	0.4	-0.3	0.5	0.5	0.0	0.0	0.3	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.9	0.2	0.0	0.3	0.1	-0.1	-0.5	-0.6	-0.2	0.0	0.1
HWQ14 - Lake Washington	0.1	0.4	0.0	0.2	0.4	0.1	-0.3	-0.3	-0.2	-0.4	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.5	0.3	0.2	0.3	-0.1	-0.2	-0.1	-0.5	0.0	0.2	0.0
CRMS 3985	0.0	0.1	0.2	-0.2	0.4	0.1	-0.6	-0.6	-0.2	-0.1	-0.1	-0.1
CRMS 0258	0.1	0.8	0.4	-0.3	1.2	-0.3	0.0	0.0	0.1	0.1	-0.1	0.0
CRMS 0224	0.2	1.2	0.3	-0.2	1.4	-0.5	-0.5	-0.6	-0.8	-0.5	-0.1	0.0
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.6	0.1	0.1	1.4	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.4	-0.7	-0.7	1.0	-0.1	0.0	0.0

Figure WQ DO 153 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.6	9.5	8.7	7.8	7.2	7.2	7.4	8.6	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.9	10.0	9.3	8.9	8.6	7.9	7.6	8.2	8.9	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.0	8.9	9.2	7.4	7.7	7.2	9.7	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.1	8.7	8.0	7.8	7.9	8.8	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.7	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.2	8.4	7.4	7.1	7.0	7.1	8.3	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.5	10.5	9.3	8.3	7.2	6.8	6.5	6.5	7.6	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.5	10.5	10.0	9.1	8.4	8.2	7.8	7.4	9.0	9.4	9.2
HWQ14 - Lake Washington	10.6	9.9	10.5	9.1	8.0	7.0	6.3	6.0	6.4	7.9	9.7	9.6
HWQ16 - Bayou Grand Liard	8.6	9.1	8.9	8.5	7.4	6.7	6.1	5.8	6.1	6.9	8.2	8.6
CRMS 3985	11.0	10.2	9.9	8.7	7.4	6.4	5.9	5.8	6.4	7.7	9.7	9.3
CRMS 0258	10.7	9.9	11.0	11.0	10.5	10.6	9.5	9.4	9.0	9.4	9.4	8.9
CRMS 0224	10.2	9.6	10.6	10.3	9.6	9.3	8.5	8.4	8.4	9.2	9.2	8.6
CRMS 0163	10.9	10.2	9.7	8.8	7.9	7.2	7.2	9.7	7.3	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.9	6.8	6.3	6.3	6.5	7.4	8.7	9.2

V3PR8 HYST - cy 3 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.1	7.6	7.0	6.6	6.6	6.8	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.4	10.1	10.0	10.2	9.0	8.2	7.3	7.6	7.2	7.7	9.8	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.1	10.0	10.4	10.0	10.0	9.2	9.2	7.8	9.9	10.2	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.7	9.5	8.8	7.8	6.8	6.4	7.2	7.5	8.3	8.8	8.9
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.8	9.0	7.8	6.8	6.4	7.1	6.8	8.0	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.3	9.7	8.9	7.8	6.8	6.0	6.8	6.9	8.1	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	11.2	10.6	9.9	9.2	8.2	7.1	6.0	6.4	6.6	7.8	8.9	8.7
USGS073802516 Barataria Pass at Grand Isle	11.1	10.5	9.9	10.5	8.9	8.9	7.5	7.9	7.2	8.7	9.2	9.1
HWQ14 - Lake Washington	11.0	10.5	9.9	10.3	8.3	7.2	6.1	5.8	6.1	7.5	9.5	9.3
HWQ16 - Bayou Grand Liard	9.7	10.1	9.7	9.2	7.6	6.8	6.2	5.9	5.9	6.7	8.5	8.3
CRMS 3985	11.2	10.5	9.9	9.3	7.9	7.0	6.4	5.9	6.4	7.5	9.5	9.3
CRMS 0258	11.5	10.8	10.2	9.8	10.4	12.9	12.4	12.7	9.2	9.6	9.3	9.0
CRMS 0224	11.4	10.7	10.1	9.4	9.2	9.5	7.2	10.0	8.0	8.4	8.9	8.7
CRMS 0163	10.8	10.3	9.7	8.9	8.1	8.0	9.4	11.2	7.1	8.5	9.5	9.9
CRMS 0162	10.3	9.8	9.1	8.5	7.8	6.8	6.2	6.3	6.5	7.5	8.6	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.3	-1.5	-2.3	-1.5	-1.0	-0.8	-0.6	-0.6	-0.5	-0.8	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.7	0.3	0.1	0.1	-0.3	-0.8	-1.3	-0.3	-0.4	-0.5	0.9	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.2	-0.2	0.3	1.3	1.1	0.8	1.9	1.5	0.7	0.2	0.2	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.3	-0.2	-1.0	-1.1	-1.3	-1.9	-1.6	-0.5	-0.3	-0.4	-1.2	-0.8
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.5	0.1	0.2	0.4	0.4	0.9	0.1	-0.1	-0.1	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	0.7	-0.6	-0.3	-0.6	-0.7	-1.2	-0.2	-0.2	-0.2	0.0	0.1
USGS 07380335 - Little Lake Near Cutoff	1.6	1.1	-0.5	-0.1	-0.1	-0.1	-0.8	-0.1	0.1	0.2	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	1.2	1.1	-0.6	0.5	-0.2	0.5	-0.8	0.1	-0.2	-0.3	-0.2	0.0
HWQ14 - Lake Washington	0.3	0.5	-0.7	1.3	0.3	0.2	-0.2	-0.2	-0.2	-0.4	-0.2	-0.3
HWQ16 - Bayou Grand Liard	1.1	0.9	0.8	0.7	0.2	0.1	0.1	0.1	-0.2	-0.1	0.3	-0.3
CRMS 3985	0.2	0.3	0.0	0.6	0.4	0.6	0.4	0.1	0.0	-0.2	-0.1	0.0
CRMS 0258	0.9	0.8	-0.8	-1.3	-0.1	2.3	2.8	3.3	0.3	0.2	-0.1	0.1
CRMS 0224	1.2	1.1	-0.6	-0.8	-0.4	0.2	-1.3	1.6	-0.4	-0.8	-0.3	0.1
CRMS 0163	-0.1	0.0	0.0	0.1	0.3	0.8	2.2	1.5	-0.1	0.0	0.0	0.0
CRMS 0162	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 154 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.8	10.3	9.5	8.7	8.0	7.4	7.1	7.1	8.5	9.9	10.1
CRMS0276 - Just east of Wilkinson Canal	9.3	9.2	9.2	9.1	8.2	10.4	9.4	8.1	7.6	8.0	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.7	9.6	9.1	8.1	10.2	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	10.2	10.0	9.3	8.8	8.0	7.7	7.8	8.7	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	9.0	7.6	6.5	6.2	6.0	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.3	9.2	8.5	7.5	7.2	7.2	7.1	8.3	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.1	10.2	9.3	8.0	7.3	7.1	6.7	6.5	7.6	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.8	9.1	8.4	8.4	8.0	7.4	8.9	9.3	8.9
HWQ14 - Lake Washington	10.7	9.9	10.8	9.2	8.0	7.1	6.5	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.2	8.6	9.0	8.3	7.3	7.1	6.2	6.1	6.1	7.0	9.0	8.4
CRMS 3985	11.0	10.3	9.8	8.9	7.5	6.4	6.0	5.9	6.4	7.7	9.5	9.3
CRMS 0258	10.5	9.4	9.9	10.3	10.7	10.6	9.6	9.2	8.6	9.2	9.4	9.2
CRMS 0224	10.1	9.2	10.0	10.1	10.0	9.3	8.4	8.3	8.2	9.1	9.0	8.6
CRMS 0163	10.7	10.6	9.7	8.8	7.5	6.8	8.4	12.3	7.6	8.7	9.5	9.7
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.5	6.2	6.4	6.5	8.1	8.7	9.4

V3PR8 HYST - cy 3 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.3	8.3	8.0	7.2	7.0	6.6	6.4	6.9	7.9	9.1	8.2
CRMS0276 - Just east of Wilkinson Canal	9.4	9.1	9.4	9.5	8.3	9.3	7.9	8.3	7.1	7.8	10.3	9.1
Barataria Waterway at Lafitte (USACE82875)	10.3	10.0	9.6	9.2	8.1	11.2	9.8	9.3	8.8	9.6	10.1	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	9.4	8.7	7.5	6.8	6.4	9.0	7.3	8.3	8.8	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.7	8.8	7.3	6.7	6.8	7.1	6.7	8.0	9.5	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	9.6	9.6	8.8	7.3	6.7	6.3	7.9	6.7	8.1	9.1	9.7
USGS 07380335 - Little Lake Near Cutoff	9.7	9.3	9.8	8.9	7.3	7.3	6.5	7.7	6.4	7.7	9.1	9.8
USGS073802516 Barataria Pass at Grand Isle	10.0	9.5	9.7	9.9	8.1	10.1	8.5	8.5	7.0	8.7	9.2	9.6
HWQ14 - Lake Washington	10.8	10.1	9.8	9.8	7.8	8.1	6.3	5.9	6.1	7.5	9.5	9.6
HWQ16 - Bayou Grand Liard	8.3	8.6	9.4	8.9	7.4	7.4	6.2	5.8	5.9	6.8	8.9	9.1
CRMS 3985	11.0	10.2	9.8	9.1	7.5	7.7	6.6	5.7	6.4	7.5	9.5	9.7
CRMS 0258	10.6	9.5	10.0	9.2	8.3	11.1	13.5	10.4	8.8	9.5	9.3	10.1
CRMS 0224	10.2	9.3	9.9	9.0	7.7	8.0	8.7	9.7	7.7	8.4	8.9	9.9
CRMS 0163	10.7	10.6	9.8	8.9	7.5	7.2	11.5	12.5	7.5	8.6	9.5	9.7
CRMS 0162	10.0	9.7	9.3	8.5	7.4	6.5	6.2	6.4	6.5	7.6	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	0.5	-2.1	-1.5	-1.5	-0.9	-0.8	-0.8	-0.3	-0.6	-0.9	-1.9
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.2	0.4	0.0	-1.1	-1.5	0.1	-0.5	-0.2	0.9	0.3
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.3	-0.2	0.4	0.7	0.6	0.2	0.2	0.7	-0.5	0.1	-0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.3	-0.8	-1.2	-1.8	-1.9	-1.7	1.2	-0.6	-0.4	-1.1	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.1	-0.4	-0.1	-0.3	0.2	0.7	1.1	0.1	-0.1	-0.1	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.7	-0.5	-1.3	-0.8	-1.0	0.7	-0.4	-0.2	-0.1	0.8
USGS 07380335 - Little Lake Near Cutoff	0.3	0.2	-0.4	-0.4	-0.7	0.0	-0.5	1.0	-0.1	0.1	-0.1	1.3
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.9	0.1	-1.0	1.6	0.1	0.5	-0.5	-0.2	-0.1	0.7
HWQ14 - Lake Washington	0.1	0.1	-1.0	0.7	-0.2	0.9	-0.2	-0.3	-0.3	-0.4	-0.1	0.2
HWQ16 - Bayou Grand Liard	0.1	0.0	0.4	0.6	0.1	0.3	0.0	-0.3	-0.1	-0.2	-0.1	0.6
CRMS 3985	0.0	0.0	0.1	0.2	0.1	1.2	0.6	-0.1	0.0	-0.2	0.0	0.4
CRMS 0258	0.1	0.1	0.1	-1.1	-2.4	0.5	3.9	1.2	0.2	0.2	-0.1	0.9
CRMS 0224	0.1	0.2	-0.1	-1.1	-2.3	-1.3	0.3	1.4	-0.5	-0.7	-0.2	1.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.4	3.1	0.2	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.0	0.0

Figure WQ DO 155 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.5	8.7	7.9	7.2	6.7	6.9	8.3	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.6	9.1	9.8	9.0	8.7	7.2	7.0	7.8	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.8	8.8	8.3	8.6	10.0	9.7	9.2	9.0	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.5	9.9	9.2	8.7	8.0	7.6	7.6	8.5	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.5	8.0	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.5	7.5	7.2	6.8	7.0	8.1	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.3	10.4	9.3	8.4	7.2	6.9	6.1	6.4	7.4	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.5	9.9	9.1	8.5	8.3	7.1	7.3	8.8	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.6	9.1	8.0	7.1	6.4	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.5	9.0	8.7	8.3	7.7	6.7	6.3	8.7	6.2	7.4	8.0	7.9
CRMS 3985	11.0	10.2	9.8	8.8	7.5	6.4	6.0	5.8	6.3	7.5	9.6	9.4
CRMS 0258	10.6	9.8	10.8	10.8	10.7	10.6	8.6	7.7	8.1	8.8	9.5	9.0
CRMS 0224	10.1	9.5	10.5	10.2	9.7	9.3	8.4	8.1	7.6	8.7	9.0	8.7
CRMS 0163	10.8	10.4	9.9	8.8	7.8	7.0	13.2	13.1	8.5	8.5	9.5	9.9
CRMS 0162	10.4	9.9	9.2	8.5	7.7	6.7	6.4	7.0	8.7	7.6	8.9	9.3

V3PR9 HYST - cy 3 - 2002 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.4	8.7	7.8	7.2	6.7	6.9	8.3	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.5	9.6	9.4	9.2	9.8	8.8	8.3	7.4	6.6	7.9	9.2	8.4
Barataria Waterway at Lafitte (USACE82875)	10.5	10.1	9.8	9.2	10.4	9.6	9.4	9.2	8.8	9.5	9.7	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	10.4	9.8	9.1	8.6	7.9	7.6	7.6	8.4	9.8	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	9.1	7.6	6.5	6.1	6.2	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.2	8.4	7.4	7.1	6.7	6.8	8.0	9.2	8.8
USGS 07380335 - Little Lake Near Cutoff	9.5	9.3	10.4	9.2	8.2	7.2	7.0	6.1	6.4	7.3	9.3	8.4
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.7	9.9	9.1	8.4	8.3	7.1	7.2	8.5	9.2	8.9
HWQ14 - Lake Washington	10.7	10.0	10.7	9.2	8.0	7.0	6.3	6.0	6.3	7.9	9.5	9.3
HWQ16 - Bayou Grand Liard	8.4	8.9	8.6	8.2	7.5	6.7	6.3	8.7	6.5	8.2	8.6	8.0
CRMS 3985	11.0	10.2	9.8	8.9	7.5	6.4	6.0	5.8	6.3	7.5	9.6	9.4
CRMS 0258	10.6	9.7	10.7	10.7	10.5	10.4	8.6	7.8	7.6	8.6	9.6	8.8
CRMS 0224	10.1	9.4	10.4	10.1	9.6	9.1	8.4	8.1	7.7	8.4	9.1	8.5
CRMS 0163	10.8	10.4	9.9	8.8	7.9	7.3	13.9	13.2	8.5	8.7	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.7	6.7	6.4	7.8	8.9	7.5	8.8	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	-0.1	0.1	0.0	-0.2	-0.3	0.3	-0.4	0.2	0.6	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.2	-0.3	0.0	0.4	2.2	1.0	-0.6	-0.5	-0.4	0.5	0.2	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.2	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.2	0.1	-0.2
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.2	0.6	-0.2
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	-0.1	-0.3	0.0	-0.2
HWQ14 - Lake Washington	0.0	0.0	0.1	0.2	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.0	-0.1	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.3	0.7	0.7	0.1
CRMS 3985	0.0	0.0	-0.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.1	-0.2	0.0	-0.2	-0.2	0.0	0.1	-0.6	-0.2	0.1	-0.2
CRMS 0224	0.0	-0.1	-0.1	-0.1	-0.1	-0.2	0.0	0.0	0.1	-0.3	0.2	-0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.3	0.7	0.1	0.1	0.2	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.2	-0.1	0.0	0.0

Figure WQ DO 156 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.5	9.6	8.9	8.0	7.1	6.8	6.9	8.3	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.5	10.1	11.0	9.8	8.3	7.4	7.1	7.9	9.4	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.9	9.0	11.3	9.3	9.0	8.2	10.0	9.9	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.3	8.7	7.9	7.6	7.7	8.5	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.7	6.6	6.1	6.2	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.3	8.6	7.5	7.2	6.9	7.0	8.2	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.5	9.4	10.5	9.3	8.4	7.4	7.0	6.2	6.5	7.5	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.6	10.0	9.2	8.4	8.2	7.2	7.4	8.7	9.2	8.9
HWQ14 - Lake Washington	10.7	9.9	10.5	9.1	8.0	7.2	6.5	6.1	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.4	9.0	9.0	8.7	7.8	6.7	6.4	8.2	6.1	7.7	9.0	8.2
CRMS 3985	11.0	10.2	10.0	8.8	7.5	6.5	6.0	6.0	6.4	7.8	9.6	9.3
CRMS 0258	10.7	9.9	10.9	11.2	10.9	10.3	8.7	7.8	8.2	8.8	9.5	9.1
CRMS 0224	10.1	9.5	10.7	10.4	9.9	9.1	8.2	8.2	7.8	8.8	8.9	8.6
CRMS 0163	11.0	10.4	9.5	8.8	7.7	9.9	12.0	11.9	7.7	9.6	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	6.9	6.5	6.3	7.5	9.1	8.7	9.4

V3PR9 HYST - cy 3 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.4	9.5	8.7	7.9	7.1	6.8	7.0	8.3	9.9	10.0
CRMS0276 - Just east of Wilkinson Canal	9.4	9.6	9.4	10.1	10.1	9.3	8.0	7.2	6.6	8.4	10.0	8.5
Barataria Waterway at Lafitte (USACE82875)	10.4	10.1	9.6	10.5	11.0	10.7	9.6	9.6	8.8	10.1	10.1	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.4	9.8	9.1	8.6	7.9	7.6	7.6	8.5	9.9	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	9.0	7.6	6.6	6.1	6.5	6.7	8.2	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.3	9.4	8.5	7.5	7.1	6.8	6.9	8.0	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.5	9.3	10.4	9.3	8.6	7.5	7.0	6.1	6.5	7.4	9.2	8.3
USGS073802516 Barataria Pass at Grand Isle	9.9	9.4	10.6	10.0	9.1	8.3	8.2	7.2	7.3	8.6	9.2	8.8
HWQ14 - Lake Washington	10.7	10.0	10.3	9.1	8.0	7.1	6.4	6.0	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.4	9.0	8.9	8.5	7.7	6.6	6.5	8.4	6.3	8.2	9.0	8.2
CRMS 3985	11.0	10.3	10.3	8.9	7.5	6.5	6.1	6.0	6.4	7.8	9.6	9.3
CRMS 0258	10.7	9.8	10.8	11.1	10.6	10.2	8.7	7.8	8.2	8.9	9.7	9.1
CRMS 0224	10.1	9.4	10.5	10.4	9.6	9.0	8.2	8.2	7.7	8.5	9.2	8.7
CRMS 0163	10.9	10.4	9.6	8.8	7.7	10.4	13.0	12.3	8.2	9.1	9.5	9.9
CRMS 0162	10.3	9.9	9.2	8.5	7.5	7.0	6.5	6.3	7.3	9.4	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.1	0.0	0.0	0.0	0.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	0.0	0.0	-0.9	-0.5	-0.3	-0.2	-0.5	0.5	0.6	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.2	-0.3	0.0	1.7	2.0	-0.6	0.2	0.6	0.6	0.1	0.2	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.1	-0.1	-0.2	-0.1	-0.1	0.0	0.0	-0.1	0.0	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.3	0.1	0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.1	-0.1	0.0	-0.1	-0.1	-0.1	-0.1	0.0	-0.2
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	-0.1	0.0	0.2	0.1	0.0	0.0	0.0	-0.1	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	0.0	-0.1
HWQ14 - Lake Washington	0.0	0.0	-0.2	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.1	0.2	0.2	0.5	0.0	-0.1
CRMS 3985	0.0	0.1	0.3	0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.1	-0.1	0.0	-0.4	-0.1	0.0	0.1	0.0	0.0	0.2	0.0
CRMS 0224	0.0	-0.1	-0.2	0.0	-0.3	-0.1	0.0	0.0	-0.2	-0.4	0.3	0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.6	1.0	0.4	0.5	-0.5	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	-0.1	0.3	0.0	0.0

Figure WQ DO 157 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.9	10.4	9.3	8.4	7.2	6.8	6.8	6.9	8.3	10.1	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.6	9.2	9.2	8.8	8.2	7.8	7.2	6.6	7.6	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.9	9.1	8.1	9.3	9.9	9.8	8.0	8.7	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	10.3	9.6	8.9	8.2	7.7	7.6	7.6	8.4	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	9.0	7.5	6.5	6.6	6.7	6.7	8.2	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.4	9.2	8.4	7.4	7.1	6.7	6.9	8.0	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	10.3	9.1	8.5	7.5	6.8	6.3	6.6	7.3	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.7	9.0	8.0	7.8	6.9	7.3	8.5	9.2	9.1
HWQ14 - Lake Washington	10.7	9.9	10.7	9.3	8.1	7.0	6.6	6.3	6.5	8.0	9.6	9.4
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.0	7.2	6.6	7.3	8.3	7.0	7.9	8.2	8.0
CRMS 3985	11.0	10.2	9.8	9.1	7.5	6.6	6.8	6.7	6.7	7.8	9.6	9.5
CRMS 0258	10.6	9.7	10.5	10.5	10.2	8.9	7.9	7.5	7.5	8.6	9.6	9.4
CRMS 0224	10.1	9.3	10.3	9.9	9.3	8.6	7.9	7.5	7.4	8.5	9.0	9.0
CRMS 0163	10.8	10.6	10.0	9.0	8.0	8.4	13.8	12.0	8.9	8.2	9.4	9.8
CRMS 0162	10.0	10.1	9.3	8.5	7.9	7.7	7.4	9.2	8.5	7.8	8.9	9.4

V3PR9 HYST - cy 3 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.9	10.4	9.2	8.3	7.1	6.8	6.8	7.0	8.3	10.0	10.1
CRMS0276 - Just east of Wilkinson Canal	9.3	9.4	8.9	9.0	8.8	7.6	7.6	7.3	6.7	8.4	8.8	8.5
Barataria Waterway at Lafitte (USACE82875)	10.3	10.0	9.7	9.9	10.0	9.9	8.9	9.0	8.6	9.2	9.5	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	10.3	9.5	8.7	8.1	7.7	7.5	7.5	8.4	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	9.2	7.7	6.5	6.7	6.7	6.7	8.2	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.3	9.1	8.3	7.3	7.0	6.5	6.8	7.9	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	10.1	8.9	8.4	7.4	6.7	6.3	6.5	7.4	9.0	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.3	10.6	9.7	8.9	8.0	7.7	6.8	7.2	8.3	9.0	9.0
HWQ14 - Lake Washington	10.7	9.9	10.6	9.4	8.1	6.9	6.5	6.2	6.4	8.0	9.6	9.3
HWQ16 - Bayou Grand Liard	8.2	8.7	8.6	7.9	7.1	6.6	7.5	8.2	7.0	8.2	8.4	8.0
CRMS 3985	11.0	10.2	9.8	9.0	7.6	6.6	6.7	6.7	6.7	7.7	9.6	9.5
CRMS 0258	10.6	9.6	10.2	10.3	9.9	8.7	7.8	7.5	7.4	8.2	9.5	9.2
CRMS 0224	10.1	9.2	10.1	9.8	9.0	8.5	7.9	7.5	7.3	7.8	9.2	8.7
CRMS 0163	10.8	10.6	10.0	9.0	8.1	9.5	13.6	12.0	8.8	8.3	9.4	9.8
CRMS 0162	9.9	10.0	9.2	8.5	7.8	7.4	7.9	9.3	8.4	7.8	8.9	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.1	0.1	0.0	-0.1	-0.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	-0.3	-0.2	0.0	-0.6	-0.2	0.0	0.1	0.8	0.1	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.2	-0.4	-0.1	0.8	1.8	0.6	-1.1	-0.8	0.7	0.5	0.1	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.1	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.2	0.2	0.0	0.1	0.1	0.0	0.0	-0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	-0.1	-0.2
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	-0.2	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	0.1	0.2	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.2	-0.2
HWQ14 - Lake Washington	0.0	0.0	-0.1	0.1	0.1	0.0	-0.1	-0.1	-0.1	0.0	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.0	-0.1	0.0	-0.1	-0.1	0.0	0.2	-0.1	0.0	0.3	0.2	0.0
CRMS 3985	0.0	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.1	-0.2	-0.1	-0.3	-0.2	-0.1	0.0	0.0	-0.4	-0.1	-0.3
CRMS 0224	0.0	-0.1	-0.2	-0.1	-0.3	-0.1	0.0	0.0	-0.1	-0.7	0.2	-0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.1	1.1	-0.2	-0.1	-0.1	0.1	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	0.0	-0.1	-0.3	0.4	0.1	-0.1	0.0	0.0	0.0

Figure WQ DO 158 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.6	9.5	8.7	7.8	7.2	7.2	7.4	8.6	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	9.9	9.9	10.0	9.3	8.9	8.6	7.9	7.6	8.2	8.9	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.8	9.0	8.9	9.2	7.4	7.7	7.2	9.7	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.6	9.9	9.1	8.7	8.0	7.8	7.9	8.8	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.3	8.9	7.6	6.5	6.1	6.1	6.7	8.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.4	9.2	8.4	7.4	7.1	7.0	7.1	8.3	9.1	9.0
USGS 07380335 - Little Lake Near Cutoff	9.6	9.5	10.5	9.3	8.3	7.2	6.8	6.5	6.5	7.6	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.5	10.5	10.0	9.1	8.4	8.2	7.8	7.4	9.0	9.4	9.2
HWQ14 - Lake Washington	10.6	9.9	10.5	9.1	8.0	7.0	6.3	6.0	6.4	7.9	9.7	9.6
HWQ16 - Bayou Grand Liard	8.6	9.1	8.9	8.5	7.4	6.7	6.1	5.8	6.1	6.9	8.2	8.6
CRMS 3985	11.0	10.2	9.9	8.7	7.4	6.4	5.9	5.8	6.4	7.7	9.7	9.3
CRMS 0258	10.7	9.9	11.0	11.0	10.5	10.6	9.5	9.4	9.0	9.4	9.4	8.9
CRMS 0224	10.2	9.6	10.6	10.3	9.6	9.3	8.5	8.4	8.4	9.2	9.2	8.6
CRMS 0163	10.9	10.2	9.7	8.8	7.9	7.2	7.2	9.7	7.3	8.5	9.5	9.9
CRMS 0162	10.4	9.8	9.2	8.5	7.9	6.8	6.3	6.3	6.5	7.4	8.7	9.2

V3PR9 HYST - cy 3 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	10.0	10.4	9.4	8.5	7.6	7.4	7.6	7.5	8.6	10.0	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.9	9.9	9.6	8.8	8.2	7.8	7.1	7.8	10.3	8.8
Barataria Waterway at Lafitte (USACE82875)	10.5	10.1	9.8	10.3	9.9	10.1	9.2	9.2	8.4	9.5	10.3	9.9
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	10.4	9.8	8.9	8.5	7.9	7.9	7.9	8.7	9.9	9.4
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	8.9	7.5	6.5	6.5	6.8	6.9	8.2	9.6	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	10.1	9.3	8.4	7.3	7.0	7.0	7.1	8.3	9.1	8.8
USGS 07380335 - Little Lake Near Cutoff	9.5	9.4	10.3	9.2	8.4	7.2	6.7	6.5	6.5	7.6	9.1	8.5
USGS073802516 Barataria Pass at Grand Isle	9.9	9.5	10.3	10.0	9.0	8.2	7.9	7.9	7.5	9.0	9.3	8.9
HWQ14 - Lake Washington	10.7	10.0	10.3	9.1	8.0	6.9	6.3	6.0	6.4	7.9	9.6	9.4
HWQ16 - Bayou Grand Liard	8.5	9.1	8.8	8.3	7.2	6.6	6.1	5.8	6.1	7.0	9.1	8.6
CRMS 3985	11.0	10.3	10.2	8.8	7.5	6.4	6.0	6.0	6.4	7.7	9.6	9.6
CRMS 0258	10.7	9.8	10.9	10.9	10.4	10.4	9.5	9.5	8.7	9.1	9.5	9.0
CRMS 0224	10.1	9.5	10.5	10.2	9.4	9.0	8.3	8.4	8.1	9.1	9.0	8.6
CRMS 0163	10.9	10.3	9.7	8.9	8.2	7.7	8.7	11.3	7.4	8.5	9.6	9.9
CRMS 0162	10.4	9.9	9.2	8.5	7.9	6.8	6.3	6.3	6.6	7.5	8.7	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	-0.2	-0.1	-0.1	-0.2	0.2	0.4	0.1	0.0	0.0	-0.1
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.2	0.0	-0.1	0.3	-0.2	-0.4	-0.1	-0.4	-0.4	1.4	0.2
Barataria Waterway at Lafitte (USACE82875)	-0.2	-0.2	0.0	1.3	1.0	0.8	1.9	1.6	1.2	-0.1	0.3	0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.2	-0.1	-0.2	-0.2	-0.1	0.1	0.0	-0.1	-0.1	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.0	-0.1	0.0	0.5	0.7	0.2	0.1	-0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.2	0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.2
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-0.2	0.0	0.1	0.0	-0.1	0.0	0.0	-0.1	0.3	0.0
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.2	0.0	-0.1	-0.2	-0.3	0.1	0.1	0.0	-0.1	-0.3
HWQ14 - Lake Washington	0.0	0.1	-0.3	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.2
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.1	-0.1	-0.2	-0.1	0.0	0.0	0.0	0.2	0.9	0.0
CRMS 3985	0.0	0.1	0.3	0.0	0.0	0.0	0.0	0.2	0.1	0.1	-0.1	0.3
CRMS 0258	0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	0.1	-0.3	-0.3	0.0	0.2
CRMS 0224	0.0	-0.1	-0.1	-0.1	-0.2	-0.3	-0.1	0.0	-0.2	-0.1	-0.2	0.1
CRMS 0163	0.0	0.0	0.0	0.1	0.3	0.5	1.5	1.6	0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

Figure WQ DO 159 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.8	10.3	9.5	8.7	8.0	7.4	7.1	7.1	8.5	9.9	10.1
CRMS0276 - Just east of Wilkinson Canal	9.3	9.2	9.2	9.1	8.2	10.4	9.4	8.1	7.6	8.0	9.4	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.8	7.4	10.7	9.6	9.1	8.1	10.2	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	10.2	10.0	9.3	8.8	8.0	7.7	7.8	8.7	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.2	9.0	7.6	6.5	6.2	6.0	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.4	10.3	9.2	8.5	7.5	7.2	7.2	7.1	8.3	9.2	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.1	10.2	9.3	8.0	7.3	7.1	6.7	6.5	7.6	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	10.6	9.8	9.1	8.4	8.4	8.0	7.4	8.9	9.3	8.9
HWQ14 - Lake Washington	10.7	9.9	10.8	9.2	8.0	7.1	6.5	6.2	6.4	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.2	8.6	9.0	8.3	7.3	7.1	6.2	6.1	6.1	7.0	9.0	8.4
CRMS 3985	11.0	10.3	9.8	8.9	7.5	6.4	6.0	5.9	6.4	7.7	9.5	9.3
CRMS 0258	10.5	9.4	9.9	10.3	10.7	10.6	9.6	9.2	8.6	9.2	9.4	9.2
CRMS 0224	10.1	9.2	10.0	10.1	10.0	9.3	8.4	8.3	8.2	9.1	9.0	8.6
CRMS 0163	10.7	10.6	9.7	8.8	7.5	6.8	8.4	12.3	7.6	8.7	9.5	9.7
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.5	6.2	6.4	6.5	8.1	8.7	9.4

V3PR9 HYST - cy 3 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.1	9.8	10.2	9.5	8.6	7.9	7.4	7.1	7.1	8.5	9.9	10.1
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.4	9.2	8.2	10.4	8.9	7.8	6.9	8.6	10.2	8.7
Barataria Waterway at Lafitte (USACE82875)	10.3	9.9	9.6	9.1	8.1	11.5	10.1	9.5	8.6	9.5	10.1	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	10.1	10.0	9.1	8.7	8.0	7.7	7.8	8.6	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	10.1	8.9	7.6	6.5	6.1	6.0	6.6	8.1	9.6	9.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.3	10.1	9.2	8.5	7.5	7.2	7.1	7.0	8.2	9.2	8.7
USGS 07380335 - Little Lake Near Cutoff	9.4	9.1	9.7	9.2	8.0	7.3	7.1	6.5	6.4	7.5	9.3	8.4
USGS073802516 Barataria Pass at Grand Isle	9.9	9.3	10.5	9.8	9.1	8.4	8.4	7.7	7.3	8.8	9.3	8.8
HWQ14 - Lake Washington	10.7	10.0	10.7	9.1	8.0	7.0	6.4	6.1	6.3	7.9	9.6	9.3
HWQ16 - Bayou Grand Liard	8.2	8.6	9.5	8.2	7.1	7.0	6.1	6.3	6.0	7.3	9.1	8.3
CRMS 3985	11.0	10.3	9.8	8.9	7.4	6.4	6.0	5.8	6.3	7.6	9.5	9.3
CRMS 0258	10.5	9.8	9.7	10.3	10.7	10.6	9.6	9.3	8.5	9.0	9.4	9.2
CRMS 0224	10.1	9.4	9.7	10.0	9.9	9.3	8.4	8.5	8.1	9.0	9.0	8.6
CRMS 0163	10.7	10.6	9.8	8.9	7.5	7.0	10.0	13.2	7.9	8.8	9.5	9.8
CRMS 0162	9.9	9.6	9.3	8.5	7.4	6.6	6.2	6.4	6.5	8.3	8.7	9.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.1	0.2	0.1	0.0	0.0	-0.5	-0.3	-0.6	0.6	0.8	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.4	-0.2	0.3	0.7	0.8	0.5	0.4	0.5	-0.7	0.1	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.2	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.3	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	-0.4	-0.1	0.0	-0.1	0.0	-0.2	-0.1	-0.1	0.0	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	-0.3	-0.1	-0.1	-0.1	-0.1
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.4	-0.1	-0.1	-0.1	-0.1	0.3	0.0	0.4	0.0	-0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	0.5	-0.2	0.0	0.0	0.0	0.0	0.1	-0.2	-0.2	0.0	0.0
CRMS 0224	0.0	0.3	-0.3	-0.1	-0.1	0.0	0.0	0.2	-0.2	-0.1	0.0	0.0
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	1.6	0.9	0.3	0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0

Figure WQ DO 160 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	10.0	9.4	8.6	8.0	7.7	7.6	9.2	10.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.6	10.8	8.8	8.5	8.0	7.6	8.0	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.6	8.4	7.7	7.6	6.9	8.3	7.0	8.7	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.5	9.8	9.1	8.2	7.9	8.4	9.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.5	9.2	8.2	7.1	6.7	6.6	6.9	8.4	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	10.3	9.4	8.7	7.6	7.4	7.6	7.4	8.5	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.3	9.3	9.7	9.0	8.2	7.0	6.8	6.6	6.6	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.7	9.2	8.6	8.7	7.9	7.8	9.1	9.2	9.0
HWQ14 - Lake Washington	10.5	9.9	10.8	9.2	8.2	7.4	6.7	6.7	6.7	8.1	9.6	9.5
HWQ16 - Bayou Grand Liard	8.3	8.8	8.7	8.2	7.9	6.8	6.2	6.0	6.1	6.8	7.9	8.3
CRMS 3985	11.0	10.3	9.9	8.9	7.8	6.7	6.2	6.2	6.6	7.9	9.7	9.5
CRMS 0258	10.5	9.8	10.6	10.5	11.3	11.3	9.8	9.6	9.7	10.8	9.6	9.0
CRMS 0224	9.9	9.5	10.6	10.1	10.4	9.7	9.1	9.1	8.6	9.8	9.3	8.6
CRMS 0163	10.9	10.4	9.4	8.5	7.5	6.7	6.7	9.1	7.0	8.2	9.4	9.8
CRMS 0162	10.2	9.8	9.1	8.3	7.5	6.6	6.1	6.2	6.6	7.5	8.4	9.2

V3PR2 HYST - cy 4 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.2	9.5	8.6	8.1	7.7	7.0	6.7	6.7	7.0	8.0	9.2	9.4
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.4	8.7	10.3	8.5	7.9	7.9	7.6	7.9	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.5	7.8	8.0	7.2	8.1	7.0	8.6	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.5	9.9	8.9	7.8	6.8	6.7	9.9	8.6	10.1	9.4	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.6	10.5	9.5	8.8	7.9	7.2	8.7	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.0	10.0	9.5	10.5	9.8	8.9	7.8	7.2	8.6	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.7	9.7	9.7	9.1	9.1	7.5	6.3	6.0	6.2	7.3	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	10.0	9.7	9.9	10.5	9.1	8.4	7.8	8.3	7.4	8.7	9.1	9.3
HWQ14 - Lake Washington	10.8	10.2	9.9	10.0	8.5	7.4	6.1	5.9	6.4	7.8	9.5	9.5
HWQ16 - Bayou Grand Liard	8.4	9.0	9.2	8.6	7.8	6.4	6.1	5.7	6.0	6.8	7.9	8.0
CRMS 3985	11.1	10.4	9.8	9.4	8.5	7.1	6.8	6.6	6.8	8.0	9.6	9.5
CRMS 0258	10.9	10.1	10.0	10.6	12.6	13.3	13.3	11.5	9.9	11.0	9.4	9.3
CRMS 0224	10.5	10.0	9.9	10.2	12.2	12.1	11.9	9.9	8.5	9.7	9.2	9.0
CRMS 0163	10.8	10.4	9.4	8.5	7.5	6.9	6.9	9.6	7.0	8.2	9.4	9.7
CRMS 0162	10.1	9.8	9.1	8.3	7.5	6.6	6.1	6.2	6.5	7.4	8.3	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.8	-0.3	-2.3	-2.0	-1.7	-1.6	-1.3	-0.9	-0.6	-1.2	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.0	0.1	-0.5	-0.3	-0.5	-0.1	-0.1	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.2	0.4	0.3	-0.1	0.0	0.0	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.7	0.7	-1.1	-1.6	-2.0	-2.3	-1.4	2.0	0.2	0.8	-0.6	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.5	0.4	2.2	2.4	2.1	1.3	0.2	0.2	0.0	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.6	-0.4	0.1	1.8	2.2	1.5	0.2	-0.2	0.1	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	0.4	0.4	0.0	0.2	0.9	0.5	-0.4	-0.5	-0.4	-0.2	0.0	0.1
USGS073802516 Barataria Pass at Grand Isle	0.4	0.4	-0.6	0.8	-0.1	-0.2	-0.9	0.4	-0.4	-0.3	-0.1	0.3
HWQ14 - Lake Washington	0.3	0.3	-0.8	0.9	0.2	0.0	-0.6	-0.7	-0.3	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.1	0.2	0.5	0.4	-0.1	-0.4	-0.1	-0.4	-0.1	-0.1	0.0	-0.3
CRMS 3985	0.1	0.1	-0.1	0.5	0.7	0.4	0.6	0.4	0.2	0.0	0.0	0.0
CRMS 0258	0.4	0.3	-0.6	0.0	1.4	2.0	3.6	1.8	0.3	0.2	-0.1	0.3
CRMS 0224	0.6	0.5	-0.7	0.1	1.7	2.4	2.8	0.8	-0.1	-0.1	-0.1	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.0	0.0	0.0	0.0
CRMS 0162	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1

Figure WQ DO 161 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.1	9.4	8.5	7.6	7.2	7.2	8.6	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.5	9.2	9.4	9.2	8.1	7.2	7.0	7.7	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.6	7.6	9.4	7.9	8.0	7.2	9.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.6	9.9	9.0	8.0	7.7	8.0	8.7	9.8	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.1	8.2	7.0	6.6	6.7	6.9	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.7	7.6	7.3	7.0	7.2	8.2	9.3	8.8
USGS 07380335 - Little Lake Near Cutoff	9.3	9.4	10.2	9.3	8.1	7.1	6.8	6.2	6.4	7.5	9.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.8	9.2	8.5	8.4	6.8	7.6	8.5	9.1	8.7
HWQ14 - Lake Washington	10.5	9.8	10.7	9.2	8.2	7.3	6.7	6.4	6.7	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.3	9.0	8.9	8.6	7.6	6.5	6.5	8.4	6.2	7.7	8.8	8.1
CRMS 3985	11.0	10.2	10.0	8.8	7.8	6.7	6.2	6.3	6.6	8.0	9.6	9.4
CRMS 0258	10.4	10.0	11.0	10.7	11.3	10.8	8.8	8.1	8.8	9.7	9.2	9.4
CRMS 0224	9.9	9.6	10.7	10.4	10.2	9.6	8.6	8.5	8.3	9.3	9.1	8.8
CRMS 0163	10.9	10.2	9.3	8.7	7.6	8.7	8.9	10.2	7.2	9.2	9.4	9.7
CRMS 0162	10.1	9.7	9.1	8.4	7.5	6.9	6.4	6.5	8.1	9.3	8.5	9.2

V3PR2 HYST - cy 4 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	8.9	8.5	8.3	7.7	7.0	6.8	6.8	7.1	8.0	9.1	8.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.9	9.5	9.7	10.0	9.1	8.0	7.5	7.0	7.7	8.8	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.7	7.7	9.4	7.9	8.1	7.3	9.3	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.6	9.8	9.0	7.8	10.0	9.8	8.7	7.6	9.2	9.4	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.8	10.2	8.4	7.2	7.1	7.2	8.7	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.5	10.0	10.0	10.1	8.5	7.4	7.2	7.2	8.5	9.1	9.4
USGS 07380335 - Little Lake Near Cutoff	9.7	10.1	9.8	9.8	8.9	7.1	6.7	6.0	6.3	7.3	8.8	8.9
USGS073802516 Barataria Pass at Grand Isle	10.0	10.0	10.2	10.1	9.0	8.6	8.5	7.2	7.4	8.7	9.1	9.3
HWQ14 - Lake Washington	10.7	10.3	10.2	9.8	8.3	7.5	6.5	6.1	6.5	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.4	9.3	9.4	8.9	7.5	6.4	6.3	8.1	6.0	7.4	8.5	8.1
CRMS 3985	11.1	10.4	9.9	9.4	8.4	7.0	6.4	6.4	6.7	8.1	9.7	9.5
CRMS 0258	10.9	10.3	10.1	10.6	12.3	10.8	9.2	8.6	8.8	9.8	9.1	9.6
CRMS 0224	10.5	10.3	9.9	10.6	11.8	10.2	9.0	9.0	8.3	9.4	8.9	9.3
CRMS 0163	10.8	10.2	9.3	8.7	7.6	9.1	8.8	10.1	7.3	8.9	9.3	9.7
CRMS 0162	10.0	9.7	9.0	8.4	7.5	6.9	6.4	6.6	8.0	9.3	8.5	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.0	-1.0	-2.3	-1.8	-1.6	-1.5	-0.8	-0.4	-0.1	-0.6	-0.8	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.0	0.6	0.6	-0.1	-0.1	0.2	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.1	0.0	0.1	0.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.7	0.8	-1.2	-1.5	-2.0	0.9	1.8	1.0	-0.4	0.5	-0.5	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.7	0.6	2.0	1.4	0.6	0.4	0.3	0.3	0.1	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.0	-0.5	0.7	1.4	0.9	0.1	0.2	0.0	0.3	-0.2	0.6
USGS 07380335 - Little Lake Near Cutoff	0.4	0.7	-0.4	0.5	0.8	0.0	-0.2	-0.1	-0.2	-0.1	-0.6	0.5
USGS073802516 Barataria Pass at Grand Isle	0.4	0.7	-0.4	0.3	-0.2	0.1	0.1	0.4	-0.2	0.2	0.1	0.6
HWQ14 - Lake Washington	0.3	0.4	-0.5	0.6	0.1	0.2	-0.2	-0.2	-0.2	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.1	0.3	0.5	0.4	0.0	-0.1	-0.3	-0.3	-0.2	-0.3	-0.2	0.0
CRMS 3985	0.1	0.2	-0.1	0.6	0.6	0.2	0.2	0.1	0.1	0.0	0.0	0.1
CRMS 0258	0.4	0.4	-0.9	-0.1	1.0	0.0	0.5	0.5	0.0	0.1	0.0	0.2
CRMS 0224	0.6	0.7	-0.7	0.3	1.6	0.6	0.4	0.5	0.0	0.1	-0.2	0.6
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.4	-0.1	-0.1	0.1	-0.3	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0

Figure WQ DO 162 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.9	10.7	9.7	8.8	7.6	7.2	6.9	7.1	8.4	10.0	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.3	8.8	8.3	7.9	7.6	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.5	9.9	8.9	7.9	7.6	9.2	9.3	6.6	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	10.8	10.2	9.4	8.6	7.8	7.6	7.6	8.4	9.9	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.4	9.2	7.9	6.8	6.9	7.0	7.0	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	10.3	9.3	8.6	7.5	7.2	6.7	7.1	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.2	9.2	9.9	8.9	8.1	7.1	6.7	6.9	6.7	7.5	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	9.6	9.2	10.4	9.6	9.3	8.1	8.0	6.5	7.4	8.1	8.9	8.9
HWQ14 - Lake Washington	10.5	9.8	10.9	9.3	8.2	7.3	6.7	6.6	6.8	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	8.8	8.5	8.0	7.1	6.5	7.5	8.2	7.2	8.3	8.2	8.0
CRMS 3985	11.0	10.3	9.9	9.2	7.8	6.8	6.5	6.6	6.8	7.9	9.6	9.5
CRMS 0258	10.3	9.8	10.5	10.3	10.8	9.8	8.0	7.7	8.0	9.6	9.5	9.7
CRMS 0224	9.9	9.5	10.3	9.8	9.7	9.2	8.3	7.7	7.7	7.9	8.9	9.1
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.5	10.3	7.7	8.0	9.3	9.6
CRMS 0162	9.6	9.8	9.0	8.4	7.8	7.3	7.0	8.2	8.0	8.4	8.6	9.1

V3PR2 HYST - cy 4 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.4	9.3	8.8	7.7	7.0	6.7	6.8	7.2	8.0	9.1	9.6
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.4	8.8	8.5	7.9	7.7	7.1	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.9	7.9	7.6	9.1	9.2	6.7	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.7	10.1	9.7	9.0	9.0	8.9	8.2	7.1	8.9	9.5	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.4	10.2	9.4	8.7	7.3	6.8	7.1	7.3	8.6	9.8	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	10.2	10.7	9.3	9.0	7.7	7.3	6.9	7.1	8.3	9.1	9.3
USGS 07380335 - Little Lake Near Cutoff	9.3	9.7	10.4	9.1	7.8	7.1	6.6	6.4	6.5	7.1	8.6	8.8
USGS073802516 Barataria Pass at Grand Isle	9.7	9.7	10.6	9.6	9.0	8.5	8.1	6.9	7.4	8.5	9.1	9.3
HWQ14 - Lake Washington	10.6	10.2	10.9	9.5	8.2	7.3	6.5	6.2	6.6	8.0	9.6	9.6
HWQ16 - Bayou Grand Liard	8.2	8.9	8.6	8.1	7.2	6.4	7.3	8.2	6.8	7.8	8.0	8.0
CRMS 3985	11.0	10.3	10.0	9.0	8.0	6.8	6.3	6.5	6.8	8.0	9.7	9.7
CRMS 0258	10.5	10.1	10.9	10.2	11.0	9.8	8.3	8.1	8.0	9.6	9.6	9.7
CRMS 0224	10.0	10.0	10.8	9.6	10.3	9.4	8.6	8.5	8.0	8.8	9.2	9.3
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.0	10.4	7.5	8.0	9.3	9.6
CRMS 0162	9.6	9.7	9.0	8.4	7.8	7.2	7.0	8.3	8.1	8.4	8.6	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	-0.4	-1.4	-0.9	-1.1	-0.6	-0.4	-0.2	0.1	-0.4	-0.9	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.2	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.2	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	1.0	-0.7	-0.5	-0.5	0.5	1.1	0.6	-0.5	0.5	-0.5	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.2	0.2	0.8	0.4	-0.1	0.2	0.3	0.2	0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.8	0.3	0.0	0.4	0.2	0.1	0.3	0.0	0.4	0.0	0.3
USGS 07380335 - Little Lake Near Cutoff	0.1	0.5	0.4	0.1	-0.3	0.0	-0.1	-0.6	-0.2	-0.4	-0.2	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.2	0.0	-0.3	0.3	0.1	0.4	0.0	0.4	0.2	0.5
HWQ14 - Lake Washington	0.1	0.3	0.0	0.1	0.0	0.0	-0.2	-0.4	-0.2	-0.2	0.1	0.2
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.1	0.1	-0.1	-0.1	0.1	-0.4	-0.5	-0.2	0.1
CRMS 3985	0.0	0.1	0.1	-0.2	0.2	0.0	-0.2	-0.1	0.1	0.1	0.1	0.3
CRMS 0258	0.1	0.3	0.4	-0.1	0.1	0.0	0.3	0.5	0.0	0.0	0.1	-0.1
CRMS 0224	0.1	0.6	0.5	-0.2	0.6	0.1	0.3	0.8	0.3	0.9	0.2	0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	-0.5	0.0	-0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.1	0.1	0.0	0.0	0.0

Figure WQ DO 163 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.0	9.1	8.3	8.0	8.0	7.8	9.0	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.7	9.1	8.6	8.3	8.0	8.1	7.2	8.1	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.8	7.9	7.3	6.7	6.8	7.0	8.5	9.5	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.9	11.0	10.5	9.6	9.2	8.1	8.1	8.3	9.0	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.2	8.1	7.0	6.9	7.0	7.0	8.5	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.5	7.6	7.3	7.4	7.4	8.4	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.5	10.4	9.3	8.0	6.9	6.6	6.5	6.5	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.4	10.5	9.8	9.2	8.4	8.3	7.8	7.8	9.0	9.1	8.9
HWQ14 - Lake Washington	10.5	9.8	10.6	9.2	8.2	7.2	6.5	6.4	6.7	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	8.5	9.2	8.9	8.4	7.3	6.6	6.1	5.8	6.1	6.9	7.9	8.2
CRMS 3985	11.0	10.2	10.1	8.8	7.8	6.6	6.2	6.4	6.6	7.9	9.7	9.4
CRMS 0258	10.5	10.0	11.1	10.8	11.3	11.3	9.5	9.7	9.7	10.2	9.6	9.1
CRMS 0224	10.0	9.7	10.6	10.4	10.1	9.8	8.8	9.0	8.8	9.5	9.1	8.7
CRMS 0163	10.8	10.1	9.5	8.7	7.7	6.9	6.6	7.6	7.1	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.1	8.4	7.8	6.7	6.2	6.2	6.5	7.4	8.4	8.8

V3PR2 HYST - cy 4 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	8.9	8.6	8.3	7.7	7.0	6.6	6.8	7.1	8.0	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.0	10.0	9.8	9.7	8.8	7.9	7.7	7.7	7.1	8.0	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.3	9.7	8.8	8.1	7.5	6.8	6.8	7.0	8.5	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.5	10.1	9.1	8.0	7.1	6.9	9.2	8.4	9.7	9.4	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	10.0	10.0	9.0	8.8	8.2	8.1	7.1	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.6	10.2	10.2	9.1	9.2	8.4	8.3	7.2	8.4	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.2	10.2	10.3	9.8	7.9	7.1	6.2	6.0	6.2	7.3	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	10.1	10.9	9.8	9.1	8.3	7.7	7.9	7.4	9.0	9.2	9.3
HWQ14 - Lake Washington	10.8	10.3	10.6	9.7	8.2	7.2	6.1	5.9	6.3	7.8	9.6	9.5
HWQ16 - Bayou Grand Liard	8.8	9.5	9.5	8.7	7.4	6.3	6.1	5.7	6.0	6.8	7.9	8.0
CRMS 3985	11.1	10.4	10.0	9.3	8.4	7.0	6.6	6.6	6.8	7.9	9.7	9.5
CRMS 0258	11.1	10.4	10.4	10.8	12.2	12.9	12.4	11.4	9.7	10.5	9.5	9.4
CRMS 0224	11.0	10.4	10.3	11.1	11.0	11.5	10.8	10.1	8.6	9.4	9.3	9.1
CRMS 0163	10.8	10.1	9.6	8.7	7.8	7.0	6.7	8.0	7.1	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.1	8.4	7.8	6.7	6.2	6.2	6.5	7.4	8.4	8.8

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-1.1	-2.3	-1.7	-1.4	-1.4	-1.4	-1.2	-0.7	-1.0	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.3	0.0	0.1	0.6	0.2	-0.4	-0.3	-0.3	-0.1	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.6	-1.0	-1.3	-1.6	-2.1	-1.2	1.1	0.1	0.7	-0.5	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.6	0.8	1.0	1.8	1.3	1.0	0.1	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	1.0	-0.2	0.8	0.5	1.6	1.1	0.9	-0.2	0.0	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	0.8	0.7	-0.2	0.5	-0.1	0.2	-0.4	-0.5	-0.4	-0.2	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.7	0.7	0.4	0.0	-0.2	-0.1	-0.5	0.1	-0.3	0.0	0.2	0.4
HWQ14 - Lake Washington	0.4	0.5	0.0	0.5	0.0	-0.1	-0.4	-0.5	-0.3	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.3	0.3	0.7	0.3	0.1	-0.3	0.0	-0.1	-0.1	-0.1	0.0	-0.2
CRMS 3985	0.1	0.2	-0.1	0.5	0.6	0.4	0.5	0.3	0.1	0.0	0.0	0.0
CRMS 0258	0.7	0.4	-0.7	0.0	0.9	1.7	2.8	1.7	0.1	0.3	-0.1	0.3
CRMS 0224	1.0	0.7	-0.3	0.7	0.8	1.7	2.0	1.0	-0.2	-0.2	0.2	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 164 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.8	10.6	9.9	9.3	8.6	7.9	7.6	7.4	8.8	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.3	8.7	7.7	9.4	8.7	7.9	7.4	7.9	8.7	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.5	7.5	7.9	7.2	9.4	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.6	10.6	10.4	9.9	9.2	8.1	7.9	8.2	8.9	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	9.2	8.1	7.1	6.7	6.6	6.9	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.3	10.2	9.4	8.6	7.7	7.4	7.4	7.4	8.4	9.3	8.9
USGS 07380335 - Little Lake Near Cutoff	9.2	9.1	9.5	9.0	7.7	7.0	7.0	6.4	6.6	7.5	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.1	10.5	9.6	9.0	8.4	8.7	7.6	7.8	8.8	9.2	8.8
HWQ14 - Lake Washington	10.5	9.8	11.0	9.2	8.2	7.3	6.7	6.7	6.7	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.1	8.2	7.2	6.8	6.1	6.5	6.0	7.0	8.7	8.4
CRMS 3985	11.0	10.3	9.8	9.0	7.8	6.7	6.2	6.2	6.6	8.0	9.7	9.5
CRMS 0258	10.3	9.5	10.0	10.5	11.5	11.2	9.6	9.5	9.4	10.0	9.3	9.4
CRMS 0224	9.9	9.2	10.1	9.9	10.0	10.0	8.8	9.0	8.8	9.4	8.9	8.9
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.0	9.8	7.4	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	8.2	8.5	9.2

V3PR2 HYST - cy 4 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.6	8.3	7.4	7.0	6.7	6.8	7.1	8.0	9.1	8.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.3	9.3	8.8	8.0	8.8	8.0	8.0	7.3	7.8	8.7	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.9	7.8	7.7	7.3	9.3	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	10.0	9.1	7.7	6.8	7.2	9.2	8.1	9.6	9.4	10.0
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.6	8.7	9.8	8.6	7.5	7.2	8.6	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	9.9	9.4	8.4	10.1	8.7	7.6	7.2	8.5	9.1	9.7
USGS 07380335 - Little Lake Near Cutoff	9.3	9.2	9.6	9.1	7.7	8.0	6.2	6.1	6.2	7.3	8.7	9.3
USGS073802516 Barataria Pass at Grand Isle	9.7	9.3	9.9	10.3	8.7	8.3	8.0	8.4	7.5	8.9	9.2	9.4
HWQ14 - Lake Washington	10.6	10.0	10.0	9.9	8.0	7.4	6.1	6.0	6.4	7.8	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.2	8.6	7.3	6.5	6.2	5.9	6.0	6.9	8.5	8.5
CRMS 3985	11.1	10.3	9.8	9.3	8.3	7.2	6.7	6.5	6.8	7.9	9.6	9.6
CRMS 0258	10.5	9.6	9.9	10.4	11.4	13.6	12.5	10.7	9.5	10.3	9.2	9.7
CRMS 0224	10.0	9.4	9.8	10.2	10.1	12.8	11.3	9.6	8.6	9.5	9.0	9.6
CRMS 0163	10.6	10.5	9.6	8.7	7.3	6.6	7.4	9.6	7.5	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	7.8	8.4	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	0.5	-2.0	-1.6	-1.9	-1.6	-1.3	-0.8	-0.3	-0.8	-0.9	-1.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.1	0.3	-0.6	-0.7	0.0	-0.1	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.5	0.3	-0.2	0.1	-0.1	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.6	-0.6	-1.3	-2.2	-2.4	-0.9	1.3	-0.1	0.7	-0.5	0.4
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.1	-0.4	0.4	0.6	2.8	2.0	1.0	0.3	0.1	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.2	-0.4	0.0	-0.2	2.4	1.3	0.1	-0.2	0.1	-0.2	0.9
USGS 07380335 - Little Lake Near Cutoff	0.1	0.1	0.0	0.1	0.0	1.0	-0.7	-0.3	-0.3	-0.2	-0.6	0.7
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.6	0.7	-0.3	-0.1	-0.7	0.7	-0.3	0.1	0.1	0.6
HWQ14 - Lake Washington	0.1	0.1	-1.0	0.6	-0.2	0.1	-0.6	-0.7	-0.3	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	0.4	0.1	-0.3	0.0	-0.6	-0.1	-0.1	-0.2	0.0
CRMS 3985	0.0	0.0	0.0	0.2	0.5	0.4	0.4	0.3	0.2	0.0	0.0	0.1
CRMS 0258	0.2	0.1	-0.1	-0.1	-0.1	2.4	2.9	1.2	0.1	0.3	-0.1	0.3
CRMS 0224	0.2	0.2	-0.3	0.3	0.1	2.8	2.5	0.7	-0.2	0.0	0.1	0.7
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.4	-0.3	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	0.0

Figure WQ DO 165 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	10.0	9.4	8.6	8.0	7.7	7.6	9.2	10.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.6	10.8	8.8	8.5	8.0	7.6	8.0	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.6	8.4	7.7	7.6	6.9	8.3	7.0	8.7	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.5	9.8	9.1	8.2	7.9	8.4	9.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.5	9.2	8.2	7.1	6.7	6.6	6.9	8.4	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	10.3	9.4	8.7	7.6	7.4	7.6	7.4	8.5	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.3	9.3	9.7	9.0	8.2	7.0	6.8	6.6	6.6	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.7	9.2	8.6	8.7	7.9	7.8	9.1	9.2	9.0
HWQ14 - Lake Washington	10.5	9.9	10.8	9.2	8.2	7.4	6.7	6.7	6.7	8.1	9.6	9.5
HWQ16 - Bayou Grand Liard	8.3	8.8	8.7	8.2	7.9	6.8	6.2	6.0	6.1	6.8	7.9	8.3
CRMS 3985	11.0	10.3	9.9	8.9	7.8	6.7	6.2	6.2	6.6	7.9	9.7	9.5
CRMS 0258	10.5	9.8	10.6	10.5	11.3	11.3	9.8	9.6	9.7	10.8	9.6	9.0
CRMS 0224	9.9	9.5	10.6	10.1	10.4	9.7	9.1	9.1	8.6	9.8	9.3	8.6
CRMS 0163	10.9	10.4	9.4	8.5	7.5	6.7	6.7	9.1	7.0	8.2	9.4	9.8
CRMS 0162	10.2	9.8	9.1	8.3	7.5	6.6	6.1	6.2	6.6	7.5	8.4	9.2

V3PR3 HYST - cy 4 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	9.5	8.6	8.1	7.7	7.0	6.7	6.5	6.8	7.9	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.4	8.7	10.4	8.5	7.9	7.9	7.6	7.9	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.5	7.8	8.0	7.2	8.2	7.0	8.7	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.5	9.8	8.9	7.8	6.8	6.6	9.4	9.0	10.2	9.5	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.5	10.5	9.6	8.8	7.9	7.2	8.7	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.0	10.0	9.5	10.6	9.8	8.9	7.7	7.3	8.6	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.7	9.7	9.7	9.1	9.1	7.5	6.3	6.0	6.2	7.3	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	10.0	9.7	9.9	10.4	9.1	8.4	7.8	8.3	7.4	8.7	9.2	9.3
HWQ14 - Lake Washington	10.8	10.2	9.9	10.0	8.5	7.4	6.1	5.9	6.4	7.8	9.5	9.5
HWQ16 - Bayou Grand Liard	8.4	9.0	9.2	8.6	7.8	6.4	6.1	5.7	6.0	6.8	7.9	8.1
CRMS 3985	11.1	10.4	9.9	9.4	8.6	7.2	6.9	6.6	6.8	8.0	9.6	9.5
CRMS 0258	10.9	10.1	10.0	10.6	12.6	13.2	13.2	11.4	9.9	10.9	9.4	9.2
CRMS 0224	10.5	10.0	9.9	10.3	12.1	12.0	11.9	9.8	8.6	9.7	9.2	9.0
CRMS 0163	10.8	10.4	9.4	8.5	7.5	6.9	7.0	9.6	7.0	8.3	9.4	9.7
CRMS 0162	10.1	9.8	9.1	8.3	7.5	6.6	6.1	6.2	6.5	7.4	8.3	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.9	-0.3	-2.3	-2.0	-1.7	-1.6	-1.3	-1.2	-0.8	-1.3	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.0	0.1	-0.4	-0.3	-0.6	-0.1	-0.1	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.2	0.4	0.3	-0.1	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.7	0.6	-1.2	-1.6	-2.0	-2.3	-1.5	1.5	0.5	0.9	-0.5	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.5	0.4	2.2	2.5	2.1	1.4	0.2	0.2	0.0	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	0.6	-0.4	0.1	2.0	2.2	1.5	0.2	-0.2	0.1	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	0.4	0.4	0.0	0.2	0.9	0.5	-0.5	-0.5	-0.4	-0.3	0.0	0.1
USGS073802516 Barataria Pass at Grand Isle	0.4	0.4	-0.5	0.8	-0.1	-0.2	-0.9	0.4	-0.4	-0.3	0.0	0.3
HWQ14 - Lake Washington	0.3	0.3	-0.8	0.9	0.3	0.0	-0.6	-0.7	-0.3	-0.2	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.2	0.2	0.5	0.4	-0.1	-0.4	-0.1	-0.4	-0.1	-0.1	0.0	-0.2
CRMS 3985	0.1	0.1	-0.1	0.5	0.7	0.5	0.7	0.4	0.2	0.0	0.0	0.0
CRMS 0258	0.4	0.3	-0.6	0.0	1.3	1.9	3.5	1.8	0.2	0.1	-0.2	0.2
CRMS 0224	0.6	0.5	-0.7	0.2	1.7	2.3	2.8	0.6	-0.1	-0.1	-0.1	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.5	0.0	0.1	0.0	0.0
CRMS 0162	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0

Figure WQ DO 166 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.1	9.4	8.5	7.6	7.2	7.2	8.6	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.5	9.2	9.4	9.2	8.1	7.2	7.0	7.7	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.6	7.6	9.4	7.9	8.0	7.2	9.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.6	9.9	9.0	8.0	7.7	8.0	8.7	9.8	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.1	8.2	7.0	6.6	6.7	6.9	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.7	7.6	7.3	7.0	7.2	8.2	9.3	8.8
USGS 07380335 - Little Lake Near Cutoff	9.3	9.4	10.2	9.3	8.1	7.1	6.8	6.2	6.4	7.5	9.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.8	9.2	8.5	8.4	6.8	7.6	8.5	9.1	8.7
HWQ14 - Lake Washington	10.5	9.8	10.7	9.2	8.2	7.3	6.7	6.4	6.7	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.3	9.0	8.9	8.6	7.6	6.5	6.5	8.4	6.2	7.7	8.8	8.1
CRMS 3985	11.0	10.2	10.0	8.8	7.8	6.7	6.2	6.3	6.6	8.0	9.6	9.4
CRMS 0258	10.4	10.0	11.0	10.7	11.3	10.8	8.8	8.1	8.8	9.7	9.2	9.4
CRMS 0224	9.9	9.6	10.7	10.4	10.2	9.6	8.6	8.5	8.3	9.3	9.1	8.8
CRMS 0163	10.9	10.2	9.3	8.7	7.6	8.7	8.9	10.2	7.2	9.2	9.4	9.7
CRMS 0162	10.1	9.7	9.1	8.4	7.5	6.9	6.4	6.5	8.1	9.3	8.5	9.2

V3PR3 HYST - cy 4 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	8.9	8.5	8.3	7.7	6.8	6.4	6.4	6.8	7.9	9.1	8.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.9	9.5	9.8	10.0	9.0	8.0	7.5	7.1	7.6	8.6	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.7	7.7	9.4	7.9	8.1	7.3	9.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.5	9.7	9.0	7.8	10.0	10.2	9.3	8.0	9.6	9.5	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.7	10.1	8.5	7.2	7.2	7.2	8.7	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.5	10.0	10.1	10.2	8.4	7.4	7.2	7.2	8.5	9.1	9.4
USGS 07380335 - Little Lake Near Cutoff	9.7	10.1	9.8	9.9	8.9	7.0	6.7	6.1	6.3	7.4	8.7	8.9
USGS073802516 Barataria Pass at Grand Isle	10.0	10.0	10.2	10.1	9.0	8.6	8.5	7.3	7.4	8.8	9.2	9.3
HWQ14 - Lake Washington	10.7	10.3	10.1	9.9	8.3	7.5	6.4	6.1	6.5	7.9	9.5	9.6
HWQ16 - Bayou Grand Liard	8.4	9.3	9.4	8.9	7.5	6.3	6.3	8.0	6.0	7.3	8.3	8.1
CRMS 3985	11.1	10.4	9.9	9.4	8.5	6.9	6.4	6.4	6.7	8.1	9.7	9.5
CRMS 0258	10.9	10.3	10.1	10.6	12.2	10.9	9.2	8.5	8.8	9.7	9.2	9.6
CRMS 0224	10.5	10.3	10.0	10.7	11.9	10.2	9.0	9.0	8.4	9.4	9.0	9.3
CRMS 0163	10.8	10.2	9.3	8.7	7.6	8.9	8.9	10.1	7.3	9.2	9.3	9.7
CRMS 0162	10.0	9.7	9.0	8.4	7.5	7.0	6.4	6.6	8.3	9.7	8.4	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.0	-1.0	-2.3	-1.8	-1.6	-1.8	-1.2	-0.8	-0.3	-0.7	-0.8	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.0	0.6	0.6	-0.2	0.0	0.2	0.1	-0.1	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.0	0.0	0.0	0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.7	0.7	-1.3	-1.6	-2.1	1.0	2.2	1.5	-0.1	0.9	-0.4	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.7	0.6	2.0	1.4	0.6	0.4	0.4	0.3	0.1	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.0	-0.5	0.7	1.5	0.9	0.1	0.2	0.0	0.4	-0.2	0.6
USGS 07380335 - Little Lake Near Cutoff	0.4	0.7	-0.4	0.5	0.8	0.0	-0.2	-0.1	-0.1	-0.1	-0.7	0.5
USGS073802516 Barataria Pass at Grand Isle	0.4	0.7	-0.3	0.3	-0.2	0.1	0.1	0.4	-0.2	0.2	0.1	0.6
HWQ14 - Lake Washington	0.3	0.4	-0.6	0.7	0.1	0.1	-0.2	-0.3	-0.2	-0.2	0.0	0.1
HWQ16 - Bayou Grand Liard	0.1	0.3	0.5	0.4	-0.1	-0.2	-0.2	-0.4	-0.2	-0.4	-0.4	0.0
CRMS 3985	0.1	0.2	-0.1	0.6	0.7	0.2	0.2	0.1	0.1	0.1	0.1	0.1
CRMS 0258	0.4	0.4	-0.9	0.0	1.0	0.0	0.4	0.4	0.0	0.1	0.0	0.2
CRMS 0224	0.6	0.7	-0.7	0.3	1.7	0.6	0.4	0.5	0.1	0.1	-0.1	0.5
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	0.0	-0.1	0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	0.0	0.0

Figure WQ DO 167 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.9	10.7	9.7	8.8	7.6	7.2	6.9	7.1	8.4	10.0	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.3	8.8	8.3	7.9	7.6	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.5	9.9	8.9	7.9	7.6	9.2	9.3	6.6	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	10.8	10.2	9.4	8.6	7.8	7.6	7.6	8.4	9.9	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.4	9.2	7.9	6.8	6.9	7.0	7.0	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	10.3	9.3	8.6	7.5	7.2	6.7	7.1	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.2	9.2	9.9	8.9	8.1	7.1	6.7	6.9	6.7	7.5	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	9.6	9.2	10.4	9.6	9.3	8.1	8.0	6.5	7.4	8.1	8.9	8.9
HWQ14 - Lake Washington	10.5	9.8	10.9	9.3	8.2	7.3	6.7	6.6	6.8	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	8.8	8.5	8.0	7.1	6.5	7.5	8.2	7.2	8.3	8.2	8.0
CRMS 3985	11.0	10.3	9.9	9.2	7.8	6.8	6.5	6.6	6.8	7.9	9.6	9.5
CRMS 0258	10.3	9.8	10.5	10.3	10.8	9.8	8.0	7.7	8.0	9.6	9.5	9.7
CRMS 0224	9.9	9.5	10.3	9.8	9.7	9.2	8.3	7.7	7.7	7.9	8.9	9.1
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.5	10.3	7.7	8.0	9.3	9.6
CRMS 0162	9.6	9.8	9.0	8.4	7.8	7.3	7.0	8.2	8.0	8.4	8.6	9.1

V3PR3 HYST - cy 4 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.4	9.3	8.8	7.7	6.8	6.5	6.5	6.9	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.4	8.8	8.5	8.0	7.7	7.1	6.6	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.9	8.0	7.7	9.2	9.2	6.5	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.7	10.1	9.8	8.8	9.3	9.2	8.5	7.5	9.2	9.5	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	10.1	9.5	8.7	7.3	6.8	7.1	7.3	8.7	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	10.2	10.7	9.4	9.0	7.7	7.3	6.9	7.1	8.2	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.3	9.7	10.5	9.1	7.8	7.1	6.6	6.4	6.5	7.1	8.6	8.8
USGS073802516 Barataria Pass at Grand Isle	9.7	9.7	10.7	9.6	9.0	8.5	8.1	6.8	7.4	8.5	9.1	9.2
HWQ14 - Lake Washington	10.6	10.2	11.0	9.5	8.2	7.3	6.5	6.2	6.6	8.0	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.9	8.6	8.1	7.2	6.5	7.4	8.1	6.8	7.8	8.1	8.0
CRMS 3985	11.0	10.4	9.9	9.0	8.0	6.9	6.3	6.5	6.8	8.0	9.6	9.5
CRMS 0258	10.5	10.1	11.0	10.2	11.0	9.8	8.2	8.1	8.0	9.5	9.6	9.6
CRMS 0224	10.0	10.0	10.8	9.7	10.3	9.3	8.6	8.5	8.0	8.7	9.1	9.3
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.3	10.2	7.9	8.0	9.3	9.6
CRMS 0162	9.6	9.7	9.0	8.4	7.8	7.1	7.0	8.2	8.0	8.1	8.6	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	-0.4	-1.4	-0.9	-1.1	-0.7	-0.7	-0.5	-0.1	-0.5	-1.0	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.1	0.0	0.1	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.6	1.0	-0.7	-0.4	-0.6	0.7	1.4	0.9	-0.1	0.8	-0.4	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.3	0.3	0.9	0.5	-0.1	0.2	0.3	0.2	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.8	0.3	0.1	0.5	0.2	0.1	0.3	0.0	0.4	0.0	0.2
USGS 07380335 - Little Lake Near Cutoff	0.1	0.5	0.5	0.1	-0.3	0.0	-0.1	-0.5	-0.2	-0.4	-0.2	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.3	0.0	-0.3	0.3	0.1	0.3	0.0	0.4	0.2	0.3
HWQ14 - Lake Washington	0.1	0.3	0.1	0.2	0.0	0.0	-0.2	-0.3	-0.2	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.1	0.1	0.0	0.0	-0.1	-0.4	-0.5	-0.2	0.1
CRMS 3985	0.0	0.1	0.0	-0.2	0.2	0.1	-0.2	-0.1	0.1	0.1	0.0	0.0
CRMS 0258	0.2	0.3	0.5	-0.1	0.1	0.0	0.2	0.4	0.0	0.0	0.1	-0.1
CRMS 0224	0.1	0.6	0.6	-0.1	0.6	0.1	0.3	0.8	0.3	0.9	0.2	0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1	0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	-0.3	0.0	0.0	0.0	-0.3	0.0	0.0

Figure WQ DO 168 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.0	9.1	8.3	8.0	8.0	7.8	9.0	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.7	9.1	8.6	8.3	8.0	8.1	7.2	8.1	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.8	7.9	7.3	6.7	6.8	7.0	8.5	9.5	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.9	11.0	10.5	9.6	9.2	8.1	8.1	8.3	9.0	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.2	8.1	7.0	6.9	7.0	7.0	8.5	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.5	7.6	7.3	7.4	7.4	8.4	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.5	10.4	9.3	8.0	6.9	6.6	6.5	6.5	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.4	10.5	9.8	9.2	8.4	8.3	7.8	7.8	9.0	9.1	8.9
HWQ14 - Lake Washington	10.5	9.8	10.6	9.2	8.2	7.2	6.5	6.4	6.7	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	8.5	9.2	8.9	8.4	7.3	6.6	6.1	5.8	6.1	6.9	7.9	8.2
CRMS 3985	11.0	10.2	10.1	8.8	7.8	6.6	6.2	6.4	6.6	7.9	9.7	9.4
CRMS 0258	10.5	10.0	11.1	10.8	11.3	11.3	9.5	9.7	9.7	10.2	9.6	9.1
CRMS 0224	10.0	9.7	10.6	10.4	10.1	9.8	8.8	9.0	8.8	9.5	9.1	8.7
CRMS 0163	10.8	10.1	9.5	8.7	7.7	6.9	6.6	7.6	7.1	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.1	8.4	7.8	6.7	6.2	6.2	6.5	7.4	8.4	8.8

V3PR3 HYST - cy 4 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	8.9	8.6	8.3	7.7	7.0	6.6	6.6	6.8	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.0	9.9	9.8	9.6	8.8	7.9	7.7	7.7	7.1	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.3	9.7	8.8	8.1	7.5	6.8	6.9	7.0	8.4	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.4	10.0	9.1	7.9	6.8	6.5	8.4	8.8	10.0	9.5	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	10.0	10.0	9.0	8.9	8.2	8.2	7.2	8.5	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.5	10.2	10.3	9.2	9.1	8.4	8.2	7.2	8.4	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.1	10.2	10.3	9.8	8.0	7.0	6.1	6.0	6.1	7.3	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	10.3	10.1	10.9	9.8	9.0	8.2	7.7	7.9	7.4	8.9	9.2	9.3
HWQ14 - Lake Washington	10.8	10.3	10.6	9.7	8.2	7.2	6.1	5.9	6.3	7.8	9.6	9.5
HWQ16 - Bayou Grand Liard	8.8	9.5	9.5	8.7	7.4	6.3	6.1	5.7	6.0	6.8	7.9	8.0
CRMS 3985	11.1	10.4	10.0	9.3	8.5	7.1	6.7	6.7	6.8	7.9	9.7	9.4
CRMS 0258	11.1	10.4	10.4	10.8	12.2	12.9	12.3	11.3	9.7	10.6	9.5	9.4
CRMS 0224	10.9	10.4	10.4	11.0	11.0	11.4	10.8	9.8	8.6	9.4	9.2	9.0
CRMS 0163	10.8	10.1	9.6	8.7	7.7	7.0	6.8	8.1	7.1	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.0	8.4	7.8	6.7	6.2	6.2	6.5	7.5	8.4	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-1.1	-2.3	-1.7	-1.4	-1.4	-1.4	-1.4	-0.9	-1.1	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.3	0.0	0.1	0.5	0.2	-0.4	-0.3	-0.3	-0.1	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.0	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.6	-1.0	-1.4	-1.7	-2.3	-1.6	0.3	0.5	1.0	-0.5	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.5	-0.6	0.8	0.9	1.9	1.3	1.2	0.1	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	1.0	-0.2	0.8	0.6	1.5	1.1	0.7	-0.2	0.0	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	0.7	0.7	-0.1	0.5	-0.1	0.1	-0.5	-0.5	-0.4	-0.2	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.7	0.8	0.5	0.0	-0.2	-0.2	-0.5	0.1	-0.3	-0.1	0.2	0.3
HWQ14 - Lake Washington	0.4	0.5	0.0	0.5	0.0	-0.1	-0.4	-0.5	-0.3	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.3	0.3	0.7	0.3	0.1	-0.3	0.0	-0.1	-0.1	-0.1	0.0	-0.2
CRMS 3985	0.1	0.2	-0.1	0.5	0.6	0.5	0.5	0.3	0.1	0.0	0.0	0.0
CRMS 0258	0.7	0.4	-0.6	0.0	0.9	1.6	2.8	1.6	0.1	0.3	-0.1	0.3
CRMS 0224	1.0	0.7	-0.2	0.7	0.9	1.6	2.0	0.8	-0.2	-0.2	0.1	0.4
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.5	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 169 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.8	10.6	9.9	9.3	8.6	7.9	7.6	7.4	8.8	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.3	8.7	7.7	9.4	8.7	7.9	7.4	7.9	8.7	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.5	7.5	7.9	7.2	9.4	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.6	10.6	10.4	9.9	9.2	8.1	7.9	8.2	8.9	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	9.2	8.1	7.1	6.7	6.6	6.9	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.3	10.2	9.4	8.6	7.7	7.4	7.4	7.4	8.4	9.3	8.9
USGS 07380335 - Little Lake Near Cutoff	9.2	9.1	9.5	9.0	7.7	7.0	7.0	6.4	6.6	7.5	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.1	10.5	9.6	9.0	8.4	8.7	7.6	7.8	8.8	9.2	8.8
HWQ14 - Lake Washington	10.5	9.8	11.0	9.2	8.2	7.3	6.7	6.7	6.7	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.1	8.2	7.2	6.8	6.1	6.5	6.0	7.0	8.7	8.4
CRMS 3985	11.0	10.3	9.8	9.0	7.8	6.7	6.2	6.2	6.6	8.0	9.7	9.5
CRMS 0258	10.3	9.5	10.0	10.5	11.5	11.2	9.6	9.5	9.4	10.0	9.3	9.4
CRMS 0224	9.9	9.2	10.1	9.9	10.0	10.0	8.8	9.0	8.8	9.4	8.9	8.9
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.0	9.8	7.4	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	8.2	8.5	9.2

V3PR3 HYST - cy 4 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.3	8.6	8.3	7.4	7.0	6.6	6.4	6.8	7.9	9.1	8.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.3	9.3	8.9	8.0	8.8	8.0	7.9	7.3	7.9	8.7	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	8.0	7.9	7.8	7.3	9.3	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.2	9.9	9.0	7.6	6.7	6.8	9.9	8.5	10.0	9.5	10.0
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.5	8.6	10.1	8.8	7.6	7.2	8.6	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	9.9	9.5	8.5	10.1	8.5	7.6	7.2	8.5	9.1	9.7
USGS 07380335 - Little Lake Near Cutoff	9.3	9.2	9.6	9.2	7.8	7.9	6.2	6.1	6.2	7.3	8.7	9.3
USGS073802516 Barataria Pass at Grand Isle	9.7	9.3	9.9	10.3	8.7	8.3	8.0	8.4	7.5	8.9	9.2	9.4
HWQ14 - Lake Washington	10.6	10.0	10.0	9.9	8.1	7.4	6.2	6.0	6.4	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.2	8.6	7.3	6.5	6.2	6.0	6.0	6.9	8.5	8.5
CRMS 3985	11.1	10.3	9.8	9.3	8.4	7.2	6.8	6.6	6.8	8.0	9.7	9.6
CRMS 0258	10.5	9.6	9.9	10.4	11.4	13.4	12.4	10.6	9.5	10.3	9.2	9.7
CRMS 0224	10.0	9.4	9.8	10.3	10.2	12.7	11.1	9.6	8.7	9.5	9.0	9.6
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.5	10.0	7.5	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	8.1	8.4	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	0.6	-2.0	-1.6	-1.9	-1.6	-1.3	-1.2	-0.6	-0.9	-0.9	-1.5
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.2	0.3	-0.6	-0.7	0.0	-0.1	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.5	0.4	-0.1	0.1	-0.1	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.6	-0.7	-1.4	-2.3	-2.5	-1.3	2.1	0.3	1.1	-0.4	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.1	-0.4	0.3	0.4	3.0	2.1	1.0	0.3	0.1	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.2	-0.4	0.1	-0.1	2.3	1.1	0.2	-0.1	0.1	-0.2	0.8
USGS 07380335 - Little Lake Near Cutoff	0.1	0.1	0.0	0.2	0.1	0.9	-0.8	-0.3	-0.3	-0.2	-0.6	0.7
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.6	0.7	-0.2	-0.1	-0.7	0.7	-0.3	0.1	0.1	0.6
HWQ14 - Lake Washington	0.2	0.1	-1.0	0.7	-0.2	0.1	-0.6	-0.7	-0.3	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	0.4	0.1	-0.3	0.0	-0.5	0.0	-0.1	-0.3	0.0
CRMS 3985	0.0	0.0	0.0	0.3	0.6	0.5	0.5	0.3	0.2	0.0	0.0	0.1
CRMS 0258	0.2	0.1	-0.1	-0.1	-0.1	2.3	2.8	1.1	0.1	0.3	-0.1	0.3
CRMS 0224	0.2	0.2	-0.3	0.4	0.1	2.7	2.3	0.6	-0.2	0.0	0.1	0.7
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.5	0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ DO 170 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	10.0	9.4	8.6	8.0	7.7	7.6	9.2	10.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.6	10.8	8.8	8.5	8.0	7.6	8.0	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.6	8.4	7.7	7.6	6.9	8.3	7.0	8.7	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.5	9.8	9.1	8.2	7.9	8.4	9.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.5	9.2	8.2	7.1	6.7	6.6	6.9	8.4	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	10.3	9.4	8.7	7.6	7.4	7.6	7.4	8.5	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.3	9.3	9.7	9.0	8.2	7.0	6.8	6.6	6.6	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.7	9.2	8.6	8.7	7.9	7.8	9.1	9.2	9.0
HWQ14 - Lake Washington	10.5	9.9	10.8	9.2	8.2	7.4	6.7	6.7	6.7	8.1	9.6	9.5
HWQ16 - Bayou Grand Liard	8.3	8.8	8.7	8.2	7.9	6.8	6.2	6.0	6.1	6.8	7.9	8.3
CRMS 3985	11.0	10.3	9.9	8.9	7.8	6.7	6.2	6.2	6.6	7.9	9.7	9.5
CRMS 0258	10.5	9.8	10.6	10.5	11.3	11.3	9.8	9.6	9.7	10.8	9.6	9.0
CRMS 0224	9.9	9.5	10.6	10.1	10.4	9.7	9.1	9.1	8.6	9.8	9.3	8.6
CRMS 0163	10.9	10.4	9.4	8.5	7.5	6.7	6.7	9.1	7.0	8.2	9.4	9.8
CRMS 0162	10.2	9.8	9.1	8.3	7.5	6.6	6.1	6.2	6.6	7.5	8.4	9.2

V3PR4 HYST - cy 4 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	9.4	8.4	7.9	7.7	7.1	6.7	6.5	6.8	7.9	9.2	9.4
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.5	8.7	10.0	8.3	7.9	8.0	7.6	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.5	7.8	7.9	7.2	7.9	7.0	8.6	9.7	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.3	9.8	8.8	7.7	6.8	6.6	8.8	7.9	9.3	8.9	8.9
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.2	9.3	9.6	8.7	7.9	7.2	8.6	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.2	10.0	9.1	9.4	9.1	8.0	8.4	7.3	8.7	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.9	9.9	9.8	8.9	9.4	7.8	6.5	6.1	6.2	7.3	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	10.2	9.8	9.9	10.2	9.7	9.0	8.2	8.3	7.4	8.7	9.1	9.2
HWQ14 - Lake Washington	10.8	10.2	9.8	10.1	8.7	7.5	6.2	5.9	6.3	7.8	9.5	9.4
HWQ16 - Bayou Grand Liard	8.5	9.1	9.3	8.7	7.9	6.5	6.1	5.6	6.0	6.8	7.9	8.0
CRMS 3985	11.1	10.4	9.9	9.5	8.9	7.5	7.1	6.7	6.8	8.0	9.6	9.5
CRMS 0258	10.9	10.2	10.1	10.1	13.5	13.8	13.9	11.7	9.9	10.9	9.4	9.4
CRMS 0224	10.7	10.2	10.0	9.5	11.7	12.0	10.7	10.5	8.6	9.7	9.2	9.0
CRMS 0163	10.8	10.4	9.4	8.5	7.5	6.9	7.1	9.4	6.9	8.2	9.4	9.8
CRMS 0162	10.1	9.8	9.0	8.3	7.5	6.6	6.1	6.2	6.6	7.4	8.3	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.0	-0.5	-2.4	-2.1	-1.7	-1.6	-1.3	-1.2	-0.9	-1.3	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.0	0.1	-0.8	-0.5	-0.6	0.0	-0.1	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.4	0.3	-0.3	0.0	-0.1	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.5	-1.2	-1.7	-2.0	-2.3	-1.6	0.9	-0.5	0.0	-1.2	-0.7
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.6	0.0	1.1	2.5	2.0	1.4	0.3	0.2	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	0.8	-0.3	-0.3	0.7	1.4	0.6	0.8	-0.1	0.2	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	0.6	0.6	0.1	0.0	1.2	0.8	-0.3	-0.4	-0.4	-0.2	0.0	0.1
USGS073802516 Barataria Pass at Grand Isle	0.6	0.5	-0.6	0.5	0.5	0.4	-0.5	0.4	-0.4	-0.4	-0.1	0.2
HWQ14 - Lake Washington	0.3	0.3	-1.0	1.0	0.4	0.1	-0.5	-0.8	-0.4	-0.2	-0.2	-0.1
HWQ16 - Bayou Grand Liard	0.2	0.3	0.6	0.5	0.0	-0.3	-0.1	-0.4	-0.1	-0.1	0.0	-0.3
CRMS 3985	0.1	0.1	-0.1	0.6	1.1	0.7	0.8	0.4	0.2	0.0	-0.1	0.0
CRMS 0258	0.5	0.4	-0.6	-0.4	2.3	2.5	4.2	2.1	0.3	0.1	-0.2	0.3
CRMS 0224	0.8	0.7	-0.6	-0.6	1.3	2.3	1.6	1.4	0.0	-0.1	-0.1	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.3	0.0	0.0	0.0	0.0
CRMS 0162	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0

Figure WQ DO 171 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.1	9.4	8.5	7.6	7.2	7.2	8.6	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.5	9.2	9.4	9.2	8.1	7.2	7.0	7.7	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.6	7.6	9.4	7.9	8.0	7.2	9.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.6	9.9	9.0	8.0	7.7	8.0	8.7	9.8	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.1	8.2	7.0	6.6	6.7	6.9	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.7	7.6	7.3	7.0	7.2	8.2	9.3	8.8
USGS 07380335 - Little Lake Near Cutoff	9.3	9.4	10.2	9.3	8.1	7.1	6.8	6.2	6.4	7.5	9.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.8	9.2	8.5	8.4	6.8	7.6	8.5	9.1	8.7
HWQ14 - Lake Washington	10.5	9.8	10.7	9.2	8.2	7.3	6.7	6.4	6.7	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.3	9.0	8.9	8.6	7.6	6.5	6.5	8.4	6.2	7.7	8.8	8.1
CRMS 3985	11.0	10.2	10.0	8.8	7.8	6.7	6.2	6.3	6.6	8.0	9.6	9.4
CRMS 0258	10.4	10.0	11.0	10.7	11.3	10.8	8.8	8.1	8.8	9.7	9.2	9.4
CRMS 0224	9.9	9.6	10.7	10.4	10.2	9.6	8.6	8.5	8.3	9.3	9.1	8.8
CRMS 0163	10.9	10.2	9.3	8.7	7.6	8.7	8.9	10.2	7.2	9.2	9.4	9.7
CRMS 0162	10.1	9.7	9.1	8.4	7.5	6.9	6.4	6.5	8.1	9.3	8.5	9.2

V3PR4 HYST - cy 4 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	8.7	8.4	8.2	7.7	6.8	6.4	6.3	6.8	7.8	9.1	8.8
CRMS0276 - Just east of Wilkinson Canal	9.6	9.9	9.5	9.8	9.8	9.1	8.0	7.4	7.1	7.6	8.6	8.9
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.7	7.7	9.3	7.8	7.9	7.2	9.5	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.5	9.6	8.9	7.8	8.8	9.0	8.1	6.7	8.1	8.8	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.9	9.4	9.1	8.5	7.2	7.0	7.2	8.6	9.8	10.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.7	10.0	9.4	9.0	8.9	7.6	7.2	7.3	8.6	9.1	9.7
USGS 07380335 - Little Lake Near Cutoff	9.8	10.4	9.8	9.4	8.8	7.5	6.7	6.0	6.3	7.3	8.7	9.1
USGS073802516 Barataria Pass at Grand Isle	10.1	10.2	9.9	10.5	9.7	8.7	8.5	6.9	7.3	8.7	9.2	9.4
HWQ14 - Lake Washington	10.8	10.3	9.9	10.2	8.6	7.6	6.5	6.2	6.5	7.9	9.6	9.7
HWQ16 - Bayou Grand Liard	8.5	9.5	9.5	9.0	7.7	6.4	6.2	8.1	6.0	7.2	8.2	8.2
CRMS 3985	11.1	10.4	9.9	9.6	8.7	7.0	6.4	6.4	6.7	8.0	9.8	9.7
CRMS 0258	10.9	10.5	10.1	10.9	13.0	10.8	9.2	8.5	8.9	9.8	9.3	9.7
CRMS 0224	10.7	10.5	10.0	10.2	11.4	10.5	9.0	9.0	8.5	9.5	9.0	9.5
CRMS 0163	10.8	10.2	9.3	8.7	7.6	9.0	8.6	9.9	7.3	9.1	9.4	9.7
CRMS 0162	10.0	9.7	9.0	8.4	7.5	6.9	6.4	6.5	7.4	9.8	8.5	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.1	-1.2	-2.5	-1.9	-1.7	-1.8	-1.2	-0.8	-0.4	-0.7	-0.8	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	0.6	0.5	-0.1	-0.1	0.2	0.1	-0.1	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.0	-0.2	-0.1	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.6	-1.4	-1.6	-2.1	-0.3	1.0	0.4	-1.4	-0.6	-1.1	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.7	0.3	0.9	1.5	0.7	0.3	0.3	0.2	0.1	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	1.3	-0.5	0.0	0.3	1.4	0.2	0.3	0.1	0.4	-0.1	0.9
USGS 07380335 - Little Lake Near Cutoff	0.5	1.0	-0.3	0.1	0.7	0.4	-0.1	-0.2	-0.1	-0.1	-0.7	0.6
USGS073802516 Barataria Pass at Grand Isle	0.6	0.9	-0.6	0.7	0.5	0.3	0.0	0.1	-0.3	0.2	0.1	0.7
HWQ14 - Lake Washington	0.3	0.5	-0.8	1.0	0.4	0.3	-0.2	-0.2	-0.2	-0.3	0.1	0.2
HWQ16 - Bayou Grand Liard	0.2	0.5	0.6	0.5	0.1	-0.1	-0.3	-0.3	-0.2	-0.5	-0.5	0.1
CRMS 3985	0.1	0.2	-0.1	0.7	0.9	0.3	0.2	0.1	0.1	0.0	0.1	0.3
CRMS 0258	0.5	0.5	-0.9	0.2	1.7	0.0	0.4	0.4	0.1	0.2	0.1	0.3
CRMS 0224	0.7	0.9	-0.7	-0.2	1.2	0.9	0.4	0.4	0.2	0.2	0.0	0.7
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	-0.3	-0.3	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.7	0.5	0.0	0.0

Figure WQ DO 172 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.9	10.7	9.7	8.8	7.6	7.2	6.9	7.1	8.4	10.0	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.3	8.8	8.3	7.9	7.6	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.5	9.9	8.9	7.9	7.6	9.2	9.3	6.6	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	10.8	10.2	9.4	8.6	7.8	7.6	7.6	8.4	9.9	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.4	9.2	7.9	6.8	6.9	7.0	7.0	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	10.3	9.3	8.6	7.5	7.2	6.7	7.1	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.2	9.2	9.9	8.9	8.1	7.1	6.7	6.9	6.7	7.5	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	9.6	9.2	10.4	9.6	9.3	8.1	8.0	6.5	7.4	8.1	8.9	8.9
HWQ14 - Lake Washington	10.5	9.8	10.9	9.3	8.2	7.3	6.7	6.6	6.8	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	8.8	8.5	8.0	7.1	6.5	7.5	8.2	7.2	8.3	8.2	8.0
CRMS 3985	11.0	10.3	9.9	9.2	7.8	6.8	6.5	6.6	6.8	7.9	9.6	9.5
CRMS 0258	10.3	9.8	10.5	10.3	10.8	9.8	8.0	7.7	8.0	9.6	9.5	9.7
CRMS 0224	9.9	9.5	10.3	9.8	9.7	9.2	8.3	7.7	7.7	7.9	8.9	9.1
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.5	10.3	7.7	8.0	9.3	9.6
CRMS 0162	9.6	9.8	9.0	8.4	7.8	7.3	7.0	8.2	8.0	8.4	8.6	9.1

V3PR4 HYST - cy 4 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.3	9.3	8.8	7.7	6.8	6.4	6.4	6.9	7.8	9.1	9.6
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.4	8.8	8.6	8.0	7.8	7.1	6.7	7.7	8.8	8.8
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.9	7.9	7.5	9.0	9.1	7.3	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.6	9.8	9.3	8.2	8.2	8.6	8.2	6.5	8.0	8.9	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	10.2	9.4	8.7	7.3	6.7	7.1	7.3	8.7	9.8	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.4	10.5	9.4	9.0	7.8	7.5	7.0	7.2	8.5	9.2	9.4
USGS 07380335 - Little Lake Near Cutoff	9.3	9.9	10.4	9.1	7.9	7.1	6.7	6.3	6.4	7.2	8.6	8.8
USGS073802516 Barataria Pass at Grand Isle	9.7	9.9	10.6	9.6	9.1	8.5	8.1	6.9	7.4	8.7	9.1	9.4
HWQ14 - Lake Washington	10.6	10.2	11.0	9.4	8.2	7.3	6.5	6.2	6.6	8.0	9.6	9.7
HWQ16 - Bayou Grand Liard	8.2	9.0	8.7	8.1	7.3	6.5	7.3	8.2	6.6	7.3	8.0	8.0
CRMS 3985	11.0	10.3	10.0	9.0	8.0	6.9	6.3	6.5	6.8	8.0	9.7	9.7
CRMS 0258	10.4	10.2	11.0	10.4	11.1	9.7	8.2	8.1	8.2	9.6	9.8	9.7
CRMS 0224	10.0	10.2	10.8	9.8	10.5	9.3	8.6	8.6	8.1	9.2	9.3	9.4
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	10.7	10.5	7.6	8.1	9.3	9.6
CRMS 0162	9.6	9.8	9.0	8.4	7.8	7.7	6.9	8.2	8.2	7.7	8.6	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	-0.5	-1.4	-0.9	-1.1	-0.8	-0.7	-0.5	-0.2	-0.6	-0.9	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.2	0.0	0.2	0.0	0.1	0.2	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	-0.2	-0.1	0.7	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.9	-1.0	-0.9	-1.2	-0.4	0.8	0.5	-1.1	-0.4	-1.0	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.1	0.4	-0.2	0.2	0.9	0.5	-0.2	0.1	0.3	0.2	0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	1.1	0.2	0.1	0.4	0.4	0.2	0.4	0.1	0.6	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	0.1	0.7	0.5	0.2	-0.2	0.0	0.0	-0.6	-0.3	-0.3	-0.2	0.2
USGS073802516 Barataria Pass at Grand Isle	0.1	0.7	0.2	0.0	-0.2	0.3	0.1	0.4	0.0	0.6	0.2	0.5
HWQ14 - Lake Washington	0.1	0.4	0.1	0.0	0.0	0.0	-0.2	-0.4	-0.2	-0.2	0.1	0.2
HWQ16 - Bayou Grand Liard	0.1	0.2	0.2	0.1	0.2	0.0	-0.2	0.1	-0.6	-1.0	-0.2	0.1
CRMS 3985	0.0	0.1	0.1	-0.3	0.2	0.1	-0.2	-0.1	0.0	0.1	0.1	0.3
CRMS 0258	0.1	0.4	0.5	0.1	0.3	-0.1	0.2	0.5	0.2	0.0	0.3	0.0
CRMS 0224	0.2	0.7	0.5	0.0	0.7	0.1	0.3	0.9	0.4	1.3	0.3	0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	-0.8	0.2	-0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.4	-0.1	0.0	0.2	-0.7	0.0	0.0

Figure WQ DO 173 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.0	9.1	8.3	8.0	8.0	7.8	9.0	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.7	9.1	8.6	8.3	8.0	8.1	7.2	8.1	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.8	7.9	7.3	6.7	6.8	7.0	8.5	9.5	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.9	11.0	10.5	9.6	9.2	8.1	8.1	8.3	9.0	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.2	8.1	7.0	6.9	7.0	7.0	8.5	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.5	7.6	7.3	7.4	7.4	8.4	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.5	10.4	9.3	8.0	6.9	6.6	6.5	6.5	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.4	10.5	9.8	9.2	8.4	8.3	7.8	7.8	9.0	9.1	8.9
HWQ14 - Lake Washington	10.5	9.8	10.6	9.2	8.2	7.2	6.5	6.4	6.7	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	8.5	9.2	8.9	8.4	7.3	6.6	6.1	5.8	6.1	6.9	7.9	8.2
CRMS 3985	11.0	10.2	10.1	8.8	7.8	6.6	6.2	6.4	6.6	7.9	9.7	9.4
CRMS 0258	10.5	10.0	11.1	10.8	11.3	11.3	9.5	9.7	9.7	10.2	9.6	9.1
CRMS 0224	10.0	9.7	10.6	10.4	10.1	9.8	8.8	9.0	8.8	9.5	9.1	8.7
CRMS 0163	10.8	10.1	9.5	8.7	7.7	6.9	6.6	7.6	7.1	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.1	8.4	7.8	6.7	6.2	6.2	6.5	7.4	8.4	8.8

V3PR4 HYST - cy 4 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	8.7	8.5	8.2	7.7	7.0	6.7	6.6	6.8	7.8	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.2	10.0	9.8	9.7	8.9	7.9	7.6	7.8	7.1	8.0	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.8	8.1	7.5	6.7	6.8	7.0	8.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.3	9.9	9.0	7.8	6.9	6.6	8.7	7.6	8.6	8.8	8.9
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	10.0	9.7	8.5	8.8	8.2	8.2	7.1	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.7	10.1	9.7	8.7	8.9	7.8	8.3	7.3	8.6	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.5	10.5	10.0	9.6	7.9	7.3	6.3	6.2	6.2	7.3	8.6	8.7
USGS073802516 Barataria Pass at Grand Isle	10.6	10.3	10.5	10.4	9.1	8.5	7.8	8.0	7.4	8.9	9.2	9.2
HWQ14 - Lake Washington	10.9	10.3	10.3	10.1	8.2	7.2	6.1	5.9	6.3	7.8	9.5	9.5
HWQ16 - Bayou Grand Liard	9.0	9.7	9.6	8.9	7.4	6.5	6.1	5.8	6.0	6.8	7.9	8.0
CRMS 3985	11.2	10.4	10.0	9.4	8.5	7.2	6.7	6.6	6.8	7.9	9.6	9.4
CRMS 0258	11.3	10.5	10.3	10.9	12.7	13.3	12.9	11.8	9.8	10.6	9.4	9.4
CRMS 0224	11.2	10.6	10.2	10.8	10.5	11.5	9.8	11.1	8.7	9.3	9.2	9.0
CRMS 0163	10.8	10.1	9.6	8.7	7.8	7.0	6.8	8.0	7.1	8.2	9.4	9.7
CRMS 0162	10.2	9.7	9.0	8.4	7.8	6.7	6.2	6.2	6.5	7.5	8.4	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-1.2	-2.4	-1.8	-1.4	-1.4	-1.4	-1.4	-1.0	-1.2	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.4	0.0	0.1	0.6	0.3	-0.5	-0.3	-0.3	-0.1	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.2	0.2	0.1	-0.1	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.5	-1.1	-1.5	-1.8	-2.2	-1.5	0.6	-0.8	-0.4	-1.1	-0.8
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.5	-0.7	0.6	0.4	1.8	1.3	1.1	0.1	0.0	0.0	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.3	1.2	-0.3	0.3	0.1	1.3	0.5	0.8	-0.1	0.2	0.2	0.3
USGS 07380335 - Little Lake Near Cutoff	1.1	1.0	-0.4	0.3	-0.1	0.4	-0.3	-0.3	-0.3	-0.2	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.9	1.0	0.0	0.6	-0.2	0.1	-0.5	0.2	-0.3	-0.1	0.1	0.3
HWQ14 - Lake Washington	0.4	0.5	-0.3	0.8	0.0	-0.1	-0.4	-0.5	-0.3	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.5	0.5	0.7	0.5	0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	-0.2
CRMS 3985	0.1	0.2	-0.1	0.6	0.7	0.6	0.6	0.3	0.1	0.0	0.0	0.0
CRMS 0258	0.8	0.5	-0.8	0.1	1.5	2.0	3.4	2.0	0.1	0.4	-0.2	0.2
CRMS 0224	1.2	0.8	-0.4	0.4	0.4	1.7	1.1	2.1	-0.1	-0.2	0.1	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.4	-0.1	-0.1	0.0	0.0
CRMS 0162	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0

Figure WQ DO 174 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.8	10.6	9.9	9.3	8.6	7.9	7.6	7.4	8.8	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.3	8.7	7.7	9.4	8.7	7.9	7.4	7.9	8.7	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.5	7.5	7.9	7.2	9.4	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.6	10.6	10.4	9.9	9.2	8.1	7.9	8.2	8.9	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	9.2	8.1	7.1	6.7	6.6	6.9	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.3	10.2	9.4	8.6	7.7	7.4	7.4	7.4	8.4	9.3	8.9
USGS 07380335 - Little Lake Near Cutoff	9.2	9.1	9.5	9.0	7.7	7.0	7.0	6.4	6.6	7.5	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.1	10.5	9.6	9.0	8.4	8.7	7.6	7.8	8.8	9.2	8.8
HWQ14 - Lake Washington	10.5	9.8	11.0	9.2	8.2	7.3	6.7	6.7	6.7	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.1	8.2	7.2	6.8	6.1	6.5	6.0	7.0	8.7	8.4
CRMS 3985	11.0	10.3	9.8	9.0	7.8	6.7	6.2	6.2	6.6	8.0	9.7	9.5
CRMS 0258	10.3	9.5	10.0	10.5	11.5	11.2	9.6	9.5	9.4	10.0	9.3	9.4
CRMS 0224	9.9	9.2	10.1	9.9	10.0	10.0	8.8	9.0	8.8	9.4	8.9	8.9
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.0	9.8	7.4	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	8.2	8.5	9.2

V3PR4 HYST - cy 4 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.4	8.2	7.4	7.0	6.7	6.4	6.8	7.8	9.1	8.4
CRMS0276 - Just east of Wilkinson Canal	9.4	9.3	9.3	8.9	8.0	8.7	7.9	8.0	7.4	8.0	8.6	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.8	7.8	7.5	7.2	9.2	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	9.8	9.0	7.6	6.8	6.7	8.8	7.3	8.6	8.8	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.3	8.0	10.2	8.8	7.6	7.2	8.6	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	9.5	9.9	9.2	7.9	9.3	8.6	7.9	7.3	8.6	9.1	9.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	9.7	9.0	7.6	8.2	6.5	6.2	6.3	7.4	8.6	9.6
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	9.7	10.2	8.7	9.1	8.1	8.3	7.4	8.9	9.1	9.5
HWQ14 - Lake Washington	10.7	10.0	9.8	10.0	8.1	7.7	6.1	6.0	6.4	7.8	9.5	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.2	8.7	7.3	6.6	6.1	5.9	6.0	6.8	8.0	8.6
CRMS 3985	11.1	10.3	9.8	9.4	8.4	7.6	6.8	6.6	6.8	7.9	9.6	9.7
CRMS 0258	10.5	9.6	10.0	10.3	11.1	14.2	13.2	10.6	9.5	10.5	9.3	9.8
CRMS 0224	10.0	9.4	9.9	9.6	9.2	12.5	11.5	9.8	8.7	9.3	9.1	9.8
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.5	9.8	7.4	8.6	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.1	6.3	6.5	8.0	8.4	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	0.6	-2.2	-1.7	-1.9	-1.6	-1.3	-1.2	-0.6	-1.0	-0.9	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.2	0.3	-0.7	-0.8	0.0	0.0	0.1	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.4	0.3	-0.3	0.0	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.4	-0.7	-1.4	-2.3	-2.5	-1.4	0.9	-0.9	-0.4	-1.1	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.1	-0.4	0.1	-0.2	3.1	2.2	1.0	0.3	0.1	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	-0.3	-0.2	-0.8	1.6	1.2	0.5	0.0	0.2	-0.1	1.1
USGS 07380335 - Little Lake Near Cutoff	0.2	0.1	0.1	0.0	-0.1	1.2	-0.5	-0.3	-0.3	-0.1	-0.7	1.0
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.8	0.6	-0.3	0.7	-0.6	0.7	-0.4	0.0	0.0	0.7
HWQ14 - Lake Washington	0.2	0.1	-1.2	0.8	-0.1	0.4	-0.6	-0.8	-0.4	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	0.5	0.2	-0.2	0.0	-0.6	0.0	-0.2	-0.8	0.1
CRMS 3985	0.0	0.0	0.0	0.3	0.6	0.9	0.6	0.3	0.2	0.0	0.0	0.2
CRMS 0258	0.1	0.1	-0.1	-0.2	-0.4	3.0	3.6	1.1	0.1	0.5	0.1	0.4
CRMS 0224	0.2	0.2	-0.2	-0.3	-0.9	2.5	2.7	0.8	-0.1	-0.1	0.2	0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.5	-0.1	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0

Figure WQ DO 175 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	10.0	9.4	8.6	8.0	7.7	7.6	9.2	10.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.6	10.8	8.8	8.5	8.0	7.6	8.0	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.6	8.4	7.7	7.6	6.9	8.3	7.0	8.7	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.5	9.8	9.1	8.2	7.9	8.4	9.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.5	9.2	8.2	7.1	6.7	6.6	6.9	8.4	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	10.3	9.4	8.7	7.6	7.4	7.6	7.4	8.5	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.3	9.3	9.7	9.0	8.2	7.0	6.8	6.6	6.6	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.7	9.2	8.6	8.7	7.9	7.8	9.1	9.2	9.0
HWQ14 - Lake Washington	10.5	9.9	10.8	9.2	8.2	7.4	6.7	6.7	6.7	8.1	9.6	9.5
HWQ16 - Bayou Grand Liard	8.3	8.8	8.7	8.2	7.9	6.8	6.2	6.0	6.1	6.8	7.9	8.3
CRMS 3985	11.0	10.3	9.9	8.9	7.8	6.7	6.2	6.2	6.6	7.9	9.7	9.5
CRMS 0258	10.5	9.8	10.6	10.5	11.3	11.3	9.8	9.6	9.7	10.8	9.6	9.0
CRMS 0224	9.9	9.5	10.6	10.1	10.4	9.7	9.1	9.1	8.6	9.8	9.3	8.6
CRMS 0163	10.9	10.4	9.4	8.5	7.5	6.7	6.7	9.1	7.0	8.2	9.4	9.8
CRMS 0162	10.2	9.8	9.1	8.3	7.5	6.6	6.1	6.2	6.6	7.5	8.4	9.2

V3PR5 HYST - cy 4 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	9.4	8.4	7.9	7.7	7.1	6.7	6.5	6.8	7.9	9.2	9.4
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.5	8.7	10.0	8.3	7.9	7.9	7.6	7.9	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.6	8.5	7.8	7.9	7.2	7.9	7.0	8.6	9.7	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.3	9.7	8.8	7.7	6.8	6.5	9.3	8.2	9.6	9.1	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.2	9.2	9.5	8.6	8.0	7.2	8.6	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.2	10.0	9.1	9.5	9.2	8.1	8.4	7.3	8.7	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.8	9.9	9.8	8.9	9.4	7.9	6.6	6.2	6.2	7.3	8.6	8.6
USGS073802516 Barataria Pass at Grand Isle	10.2	9.8	9.8	10.2	9.7	9.0	8.2	8.3	7.3	8.7	9.1	9.3
HWQ14 - Lake Washington	10.8	10.2	9.8	10.1	8.7	7.5	6.2	5.9	6.3	7.8	9.5	9.4
HWQ16 - Bayou Grand Liard	8.5	9.1	9.3	8.7	7.9	6.5	6.1	5.7	6.0	6.8	7.9	8.0
CRMS 3985	11.1	10.4	9.9	9.5	9.0	7.5	7.1	6.7	6.8	8.0	9.6	9.5
CRMS 0258	10.9	10.2	10.1	10.1	13.5	13.8	14.0	11.6	9.9	10.9	9.4	9.4
CRMS 0224	10.7	10.2	10.0	9.5	11.9	12.2	10.9	10.5	8.6	9.7	9.2	9.0
CRMS 0163	10.9	10.4	9.4	8.5	7.5	6.8	7.0	9.3	6.9	8.2	9.4	9.8
CRMS 0162	10.1	9.8	9.0	8.3	7.5	6.6	6.1	6.2	6.6	7.4	8.3	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.0	-0.5	-2.4	-2.1	-1.7	-1.6	-1.3	-1.2	-0.9	-1.4	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.2	0.0	0.0	0.1	-0.8	-0.5	-0.6	0.0	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.3	0.2	-0.3	0.0	-0.1	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.5	-1.4	-1.7	-2.1	-2.3	-1.7	1.3	-0.3	0.3	-0.9	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.6	0.0	1.0	2.4	1.9	1.4	0.3	0.2	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	0.8	-0.3	-0.3	0.8	1.6	0.7	0.9	-0.1	0.2	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	0.5	0.6	0.1	0.0	1.3	0.9	-0.2	-0.4	-0.4	-0.2	0.0	0.1
USGS073802516 Barataria Pass at Grand Isle	0.6	0.5	-0.6	0.5	0.5	0.4	-0.4	0.4	-0.4	-0.4	-0.1	0.3
HWQ14 - Lake Washington	0.3	0.3	-1.0	1.0	0.5	0.2	-0.5	-0.8	-0.4	-0.2	-0.2	-0.1
HWQ16 - Bayou Grand Liard	0.2	0.3	0.6	0.4	0.0	-0.3	-0.1	-0.4	-0.1	-0.1	0.0	-0.3
CRMS 3985	0.1	0.1	-0.1	0.6	1.1	0.8	0.9	0.4	0.2	0.0	0.0	0.0
CRMS 0258	0.5	0.4	-0.6	-0.4	2.2	2.5	4.2	2.0	0.2	0.1	-0.2	0.3
CRMS 0224	0.8	0.7	-0.6	-0.6	1.4	2.5	1.9	1.4	0.0	0.0	-0.1	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.3	0.2	0.0	0.0	0.0	0.0
CRMS 0162	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ DO 176 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.1	9.4	8.5	7.6	7.2	7.2	8.6	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.5	9.2	9.4	9.2	8.1	7.2	7.0	7.7	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.6	7.6	9.4	7.9	8.0	7.2	9.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.6	9.9	9.0	8.0	7.7	8.0	8.7	9.8	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.1	8.2	7.0	6.6	6.7	6.9	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.7	7.6	7.3	7.0	7.2	8.2	9.3	8.8
USGS 07380335 - Little Lake Near Cutoff	9.3	9.4	10.2	9.3	8.1	7.1	6.8	6.2	6.4	7.5	9.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.8	9.2	8.5	8.4	6.8	7.6	8.5	9.1	8.7
HWQ14 - Lake Washington	10.5	9.8	10.7	9.2	8.2	7.3	6.7	6.4	6.7	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.3	9.0	8.9	8.6	7.6	6.5	6.5	8.4	6.2	7.7	8.8	8.1
CRMS 3985	11.0	10.2	10.0	8.8	7.8	6.7	6.2	6.3	6.6	8.0	9.6	9.4
CRMS 0258	10.4	10.0	11.0	10.7	11.3	10.8	8.8	8.1	8.8	9.7	9.2	9.4
CRMS 0224	9.9	9.6	10.7	10.4	10.2	9.6	8.6	8.5	8.3	9.3	9.1	8.8
CRMS 0163	10.9	10.2	9.3	8.7	7.6	8.7	8.9	10.2	7.2	9.2	9.4	9.7
CRMS 0162	10.1	9.7	9.1	8.4	7.5	6.9	6.4	6.5	8.1	9.3	8.5	9.2

V3PR5 HYST - cy 4 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	8.7	8.4	8.2	7.7	6.8	6.4	6.4	6.8	7.8	9.1	8.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.9	9.5	9.8	9.8	9.1	8.0	7.5	7.1	7.7	8.6	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.7	7.7	9.4	7.8	7.9	7.1	9.5	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.4	9.6	8.9	7.8	9.1	9.7	8.9	6.8	8.5	9.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.9	9.4	9.0	8.5	7.3	7.0	7.2	8.7	9.8	10.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.7	10.7	10.0	9.5	9.0	8.9	7.6	7.3	7.4	8.6	9.2	9.7
USGS 07380335 - Little Lake Near Cutoff	9.8	10.4	9.8	9.5	8.8	7.5	6.7	6.1	6.3	7.4	8.6	9.1
USGS073802516 Barataria Pass at Grand Isle	10.1	10.2	9.9	10.5	9.7	8.7	8.5	7.0	7.3	8.8	9.2	9.5
HWQ14 - Lake Washington	10.8	10.3	9.9	10.2	8.7	7.6	6.5	6.2	6.4	7.9	9.6	9.7
HWQ16 - Bayou Grand Liard	8.5	9.5	9.5	9.0	7.6	6.4	6.2	8.0	6.0	7.0	8.0	8.2
CRMS 3985	11.1	10.4	9.9	9.6	8.8	7.0	6.5	6.4	6.8	8.0	9.8	9.8
CRMS 0258	10.9	10.5	10.1	10.9	12.9	10.8	9.2	8.5	9.0	9.9	9.3	9.7
CRMS 0224	10.7	10.5	10.0	10.2	11.5	10.5	9.0	9.0	8.5	9.5	9.1	9.5
CRMS 0163	10.9	10.2	9.3	8.7	7.6	8.8	8.5	9.8	7.2	9.2	9.3	9.7
CRMS 0162	10.0	9.7	9.0	8.4	7.4	6.9	6.4	6.5	7.4	10.3	8.4	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.1	-1.2	-2.5	-1.9	-1.7	-1.7	-1.2	-0.8	-0.4	-0.7	-0.8	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	0.6	0.4	-0.1	-0.1	0.3	0.1	-0.1	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.1	-0.2	-0.1	0.0	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.5	-1.5	-1.7	-2.1	0.1	1.7	1.2	-1.2	-0.3	-0.9	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.7	0.2	0.8	1.5	0.7	0.3	0.3	0.2	0.1	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	1.3	-0.5	0.1	0.4	1.4	0.3	0.3	0.2	0.5	-0.1	0.9
USGS 07380335 - Little Lake Near Cutoff	0.5	1.0	-0.4	0.1	0.7	0.5	-0.1	-0.1	-0.1	-0.1	-0.8	0.6
USGS073802516 Barataria Pass at Grand Isle	0.6	0.9	-0.6	0.7	0.5	0.2	0.0	0.1	-0.3	0.2	0.1	0.8
HWQ14 - Lake Washington	0.3	0.5	-0.8	1.0	0.5	0.3	-0.2	-0.2	-0.2	-0.3	0.1	0.2
HWQ16 - Bayou Grand Liard	0.2	0.5	0.6	0.5	0.1	-0.2	-0.4	-0.4	-0.2	-0.7	-0.7	0.1
CRMS 3985	0.1	0.2	-0.1	0.8	0.9	0.3	0.2	0.1	0.1	0.0	0.1	0.3
CRMS 0258	0.5	0.5	-0.9	0.2	1.7	0.0	0.4	0.4	0.2	0.3	0.2	0.3
CRMS 0224	0.7	0.9	-0.7	-0.2	1.3	0.9	0.4	0.5	0.2	0.2	0.0	0.7
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	-0.4	-0.3	0.0	0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.7	1.0	0.0	0.0

Figure WQ DO 177 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.9	10.7	9.7	8.8	7.6	7.2	6.9	7.1	8.4	10.0	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.3	8.8	8.3	7.9	7.6	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.5	9.9	8.9	7.9	7.6	9.2	9.3	6.6	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	10.8	10.2	9.4	8.6	7.8	7.6	7.6	8.4	9.9	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.4	9.2	7.9	6.8	6.9	7.0	7.0	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	10.3	9.3	8.6	7.5	7.2	6.7	7.1	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.2	9.2	9.9	8.9	8.1	7.1	6.7	6.9	6.7	7.5	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	9.6	9.2	10.4	9.6	9.3	8.1	8.0	6.5	7.4	8.1	8.9	8.9
HWQ14 - Lake Washington	10.5	9.8	10.9	9.3	8.2	7.3	6.7	6.6	6.8	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	8.8	8.5	8.0	7.1	6.5	7.5	8.2	7.2	8.3	8.2	8.0
CRMS 3985	11.0	10.3	9.9	9.2	7.8	6.8	6.5	6.6	6.8	7.9	9.6	9.5
CRMS 0258	10.3	9.8	10.5	10.3	10.8	9.8	8.0	7.7	8.0	9.6	9.5	9.7
CRMS 0224	9.9	9.5	10.3	9.8	9.7	9.2	8.3	7.7	7.7	7.9	8.9	9.1
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.5	10.3	7.7	8.0	9.3	9.6
CRMS 0162	9.6	9.8	9.0	8.4	7.8	7.3	7.0	8.2	8.0	8.4	8.6	9.1

V3PR5 HYST - cy 4 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.3	9.3	8.8	7.7	6.8	6.5	6.5	6.9	7.8	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.7	9.4	8.8	8.5	8.0	7.8	7.1	6.7	7.6	8.8	8.8
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.9	8.0	7.5	9.1	9.1	7.7	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.6	9.8	9.4	8.4	8.7	9.3	8.9	6.7	8.2	9.1	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	10.0	9.4	8.7	7.3	6.8	7.1	7.3	8.7	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.4	10.5	9.5	8.9	7.9	7.6	7.1	7.3	8.5	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.3	9.9	10.5	9.1	7.8	7.1	6.7	6.3	6.5	7.2	8.6	8.8
USGS073802516 Barataria Pass at Grand Isle	9.7	9.9	10.8	9.6	9.1	8.5	8.1	6.9	7.4	8.7	9.1	9.3
HWQ14 - Lake Washington	10.6	10.2	11.0	9.4	8.2	7.3	6.5	6.2	6.6	8.0	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	9.0	8.7	8.1	7.2	6.4	7.3	8.2	6.6	7.4	8.0	8.1
CRMS 3985	11.0	10.3	9.9	9.0	8.0	6.9	6.3	6.6	6.9	8.0	9.7	9.5
CRMS 0258	10.4	10.2	11.0	10.4	11.1	9.8	8.2	8.1	8.2	9.5	9.8	9.7
CRMS 0224	10.0	10.2	10.9	9.8	10.4	9.4	8.6	8.6	8.1	9.1	9.2	9.3
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	10.8	10.6	7.9	8.1	9.3	9.6
CRMS 0162	9.6	9.8	9.0	8.4	7.7	7.3	7.0	8.2	8.2	7.9	8.6	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	-0.5	-1.4	-0.9	-1.1	-0.7	-0.7	-0.5	-0.2	-0.6	-0.9	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.2	0.1	0.2	0.0	0.1	0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	1.1	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.8	-0.9	-0.7	-1.0	0.1	1.4	1.3	-1.0	-0.2	-0.8	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.3	0.2	0.8	0.5	-0.1	0.2	0.4	0.2	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	1.1	0.1	0.2	0.4	0.4	0.3	0.4	0.2	0.6	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.1	0.7	0.5	0.2	-0.3	0.0	0.0	-0.7	-0.2	-0.3	-0.2	0.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.7	0.4	-0.1	-0.2	0.3	0.1	0.4	0.0	0.6	0.2	0.4
HWQ14 - Lake Washington	0.1	0.4	0.1	0.1	-0.1	0.0	-0.2	-0.4	-0.2	-0.2	0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.2	0.2	0.1	0.2	-0.1	-0.2	0.0	-0.6	-0.8	-0.2	0.1
CRMS 3985	0.0	0.1	0.0	-0.2	0.2	0.0	-0.2	0.0	0.1	0.1	0.0	0.0
CRMS 0258	0.1	0.4	0.5	0.1	0.3	0.0	0.2	0.5	0.2	0.0	0.3	0.0
CRMS 0224	0.2	0.7	0.6	0.0	0.7	0.1	0.3	1.0	0.3	1.2	0.3	0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	-0.7	0.2	0.2	0.1	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.0	0.2	-0.5	0.0	0.0

Figure WQ DO 178 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.0	9.1	8.3	8.0	8.0	7.8	9.0	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.7	9.1	8.6	8.3	8.0	8.1	7.2	8.1	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.8	7.9	7.3	6.7	6.8	7.0	8.5	9.5	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.9	11.0	10.5	9.6	9.2	8.1	8.1	8.3	9.0	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.2	8.1	7.0	6.9	7.0	7.0	8.5	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.5	7.6	7.3	7.4	7.4	8.4	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.5	10.4	9.3	8.0	6.9	6.6	6.5	6.5	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.4	10.5	9.8	9.2	8.4	8.3	7.8	7.8	9.0	9.1	8.9
HWQ14 - Lake Washington	10.5	9.8	10.6	9.2	8.2	7.2	6.5	6.4	6.7	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	8.5	9.2	8.9	8.4	7.3	6.6	6.1	5.8	6.1	6.9	7.9	8.2
CRMS 3985	11.0	10.2	10.1	8.8	7.8	6.6	6.2	6.4	6.6	7.9	9.7	9.4
CRMS 0258	10.5	10.0	11.1	10.8	11.3	11.3	9.5	9.7	9.7	10.2	9.6	9.1
CRMS 0224	10.0	9.7	10.6	10.4	10.1	9.8	8.8	9.0	8.8	9.5	9.1	8.7
CRMS 0163	10.8	10.1	9.5	8.7	7.7	6.9	6.6	7.6	7.1	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.1	8.4	7.8	6.7	6.2	6.2	6.5	7.4	8.4	8.8

V3PR5 HYST - cy 4 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	8.7	8.5	8.2	7.7	7.0	6.7	6.6	6.8	7.8	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.2	10.0	9.7	9.7	8.8	7.9	7.6	7.7	7.1	8.0	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.8	8.1	7.5	6.8	6.8	7.0	8.3	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	11.0	10.2	9.8	9.0	7.8	6.9	6.6	8.8	7.8	8.8	9.0	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	10.0	9.7	8.4	8.7	8.1	8.2	7.2	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.7	10.1	9.7	8.7	9.0	7.8	8.2	7.4	8.6	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	10.5	10.5	10.1	9.6	7.9	7.4	6.3	6.2	6.2	7.3	8.6	8.7
USGS073802516 Barataria Pass at Grand Isle	10.6	10.3	10.5	10.4	9.1	8.5	7.8	8.0	7.4	8.9	9.2	9.3
HWQ14 - Lake Washington	10.9	10.4	10.3	10.1	8.2	7.2	6.1	5.9	6.3	7.8	9.5	9.5
HWQ16 - Bayou Grand Liard	9.0	9.7	9.6	8.9	7.4	6.5	6.1	5.8	6.0	6.8	7.9	8.0
CRMS 3985	11.2	10.4	10.0	9.5	8.5	7.3	6.8	6.6	6.8	7.9	9.7	9.4
CRMS 0258	11.3	10.5	10.3	10.9	12.8	13.3	13.1	11.7	9.8	10.7	9.5	9.4
CRMS 0224	11.2	10.5	10.2	10.8	10.6	11.5	10.1	11.1	8.7	9.3	9.2	9.0
CRMS 0163	10.8	10.1	9.6	8.7	7.8	7.0	6.8	7.9	7.1	8.2	9.4	9.7
CRMS 0162	10.2	9.7	9.0	8.4	7.8	6.7	6.2	6.2	6.5	7.4	8.4	8.8

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.9	-1.2	-2.4	-1.8	-1.4	-1.4	-1.3	-1.4	-0.9	-1.2	-0.9	-0.2
CRMS0276 - Just east of Wilkinson Canal	0.4	0.0	0.1	0.6	0.2	-0.5	-0.4	-0.3	-0.1	-0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.2	0.2	0.1	0.0	0.0	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.4	-1.3	-1.5	-1.8	-2.3	-1.6	0.7	-0.6	-0.2	-0.9	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.5	-0.7	0.6	0.3	1.7	1.3	1.1	0.2	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.3	1.2	-0.3	0.3	0.1	1.3	0.5	0.8	0.0	0.2	0.2	0.4
USGS 07380335 - Little Lake Near Cutoff	1.1	1.0	-0.4	0.3	-0.1	0.5	-0.3	-0.3	-0.3	-0.2	0.0	0.2
USGS073802516 Barataria Pass at Grand Isle	0.9	0.9	0.0	0.6	-0.2	0.1	-0.5	0.2	-0.3	0.0	0.1	0.3
HWQ14 - Lake Washington	0.4	0.5	-0.3	0.8	0.0	0.0	-0.4	-0.5	-0.3	-0.3	-0.1	-0.1
HWQ16 - Bayou Grand Liard	0.5	0.5	0.7	0.5	0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	-0.2
CRMS 3985	0.1	0.2	-0.1	0.6	0.7	0.6	0.6	0.3	0.2	-0.1	0.0	0.0
CRMS 0258	0.8	0.5	-0.8	0.1	1.5	2.1	3.5	1.9	0.1	0.4	-0.1	0.3
CRMS 0224	1.2	0.8	-0.4	0.4	0.4	1.7	1.4	2.0	-0.1	-0.2	0.1	0.3
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.3	-0.1	-0.1	0.0	0.0
CRMS 0162	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 179 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.8	10.6	9.9	9.3	8.6	7.9	7.6	7.4	8.8	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.3	8.7	7.7	9.4	8.7	7.9	7.4	7.9	8.7	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.5	7.5	7.9	7.2	9.4	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.6	10.6	10.4	9.9	9.2	8.1	7.9	8.2	8.9	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	9.2	8.1	7.1	6.7	6.6	6.9	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.3	10.2	9.4	8.6	7.7	7.4	7.4	7.4	8.4	9.3	8.9
USGS 07380335 - Little Lake Near Cutoff	9.2	9.1	9.5	9.0	7.7	7.0	7.0	6.4	6.6	7.5	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.1	10.5	9.6	9.0	8.4	8.7	7.6	7.8	8.8	9.2	8.8
HWQ14 - Lake Washington	10.5	9.8	11.0	9.2	8.2	7.3	6.7	6.7	6.7	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.1	8.2	7.2	6.8	6.1	6.5	6.0	7.0	8.7	8.4
CRMS 3985	11.0	10.3	9.8	9.0	7.8	6.7	6.2	6.2	6.6	8.0	9.7	9.5
CRMS 0258	10.3	9.5	10.0	10.5	11.5	11.2	9.6	9.5	9.4	10.0	9.3	9.4
CRMS 0224	9.9	9.2	10.1	9.9	10.0	10.0	8.8	9.0	8.8	9.4	8.9	8.9
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.0	9.8	7.4	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	8.2	8.5	9.2

V3PR5 HYST - cy 4 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.3	8.5	8.2	7.4	7.0	6.7	6.4	6.8	7.8	9.1	8.4
CRMS0276 - Just east of Wilkinson Canal	9.4	9.3	9.3	8.9	8.0	8.6	7.9	8.0	7.4	8.0	8.6	9.1
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.9	7.9	7.5	7.2	9.2	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.1	9.7	8.9	7.6	6.7	6.7	9.6	7.5	8.8	9.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.9	9.3	7.9	9.9	8.8	7.6	7.2	8.5	9.8	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	9.5	9.9	9.2	7.9	9.4	8.7	8.0	7.3	8.6	9.1	9.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.2	9.7	9.0	7.6	8.3	6.5	6.2	6.2	7.3	8.6	9.5
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	9.7	10.2	8.8	9.1	8.1	8.4	7.4	8.8	9.1	9.5
HWQ14 - Lake Washington	10.7	10.0	9.8	10.1	8.1	7.7	6.1	5.9	6.4	7.9	9.5	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.2	8.7	7.3	6.6	6.1	5.9	6.0	6.8	8.0	8.6
CRMS 3985	11.1	10.3	9.8	9.4	8.4	7.7	6.9	6.6	6.8	7.9	9.7	9.7
CRMS 0258	10.5	9.6	10.0	10.3	11.2	14.1	13.2	10.6	9.5	10.5	9.3	9.8
CRMS 0224	10.0	9.4	9.9	9.6	9.2	12.6	11.7	9.8	8.7	9.3	9.1	9.8
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.5	9.5	7.4	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	7.8	8.4	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	0.5	-2.2	-1.7	-1.9	-1.6	-1.3	-1.2	-0.6	-1.0	-0.9	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.2	0.3	-0.8	-0.8	0.1	0.0	0.1	-0.1	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.4	0.3	-0.3	0.0	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.4	-0.9	-1.5	-2.3	-2.5	-1.4	1.7	-0.7	-0.1	-0.9	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.1	-0.4	0.1	-0.2	2.9	2.1	1.0	0.3	0.0	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.3	-0.3	-0.2	-0.8	1.7	1.3	0.5	0.0	0.2	-0.1	1.1
USGS 07380335 - Little Lake Near Cutoff	0.2	0.1	0.1	0.0	-0.1	1.3	-0.4	-0.3	-0.3	-0.1	-0.7	1.0
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.8	0.6	-0.2	0.7	-0.6	0.7	-0.4	0.0	-0.1	0.7
HWQ14 - Lake Washington	0.2	0.1	-1.2	0.8	-0.1	0.4	-0.6	-0.8	-0.4	-0.3	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.0	0.1	0.5	0.2	-0.2	0.0	-0.7	-0.1	-0.2	-0.8	0.1
CRMS 3985	0.0	0.0	0.0	0.3	0.5	1.0	0.6	0.3	0.2	-0.1	0.0	0.2
CRMS 0258	0.1	0.1	-0.1	-0.2	-0.3	3.0	3.6	1.1	0.1	0.5	0.1	0.4
CRMS 0224	0.2	0.2	-0.2	-0.3	-0.8	2.7	3.0	0.8	-0.1	-0.1	0.2	0.9
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.5	-0.3	-0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.4	0.0	0.0

Figure WQ DO 180 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	10.0	9.4	8.6	8.0	7.7	7.6	9.2	10.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.6	10.8	8.8	8.5	8.0	7.6	8.0	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.6	8.4	7.7	7.6	6.9	8.3	7.0	8.7	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.5	9.8	9.1	8.2	7.9	8.4	9.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.5	9.2	8.2	7.1	6.7	6.6	6.9	8.4	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	10.3	9.4	8.7	7.6	7.4	7.6	7.4	8.5	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.3	9.3	9.7	9.0	8.2	7.0	6.8	6.6	6.6	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.7	9.2	8.6	8.7	7.9	7.8	9.1	9.2	9.0
HWQ14 - Lake Washington	10.5	9.9	10.8	9.2	8.2	7.4	6.7	6.7	6.7	8.1	9.6	9.5
HWQ16 - Bayou Grand Liard	8.3	8.8	8.7	8.2	7.9	6.8	6.2	6.0	6.1	6.8	7.9	8.3
CRMS 3985	11.0	10.3	9.9	8.9	7.8	6.7	6.2	6.2	6.6	7.9	9.7	9.5
CRMS 0258	10.5	9.8	10.6	10.5	11.3	11.3	9.8	9.6	9.7	10.8	9.6	9.0
CRMS 0224	9.9	9.5	10.6	10.1	10.4	9.7	9.1	9.1	8.6	9.8	9.3	8.6
CRMS 0163	10.9	10.4	9.4	8.5	7.5	6.7	6.7	9.1	7.0	8.2	9.4	9.8
CRMS 0162	10.2	9.8	9.1	8.3	7.5	6.6	6.1	6.2	6.6	7.5	8.4	9.2

V3PR6 HYST - cy 4 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	9.3	8.2	7.7	7.6	7.0	6.7	6.5	6.8	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.8	9.7	9.5	8.8	9.9	8.1	7.5	8.0	7.4	8.0	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.5	7.9	8.2	7.5	7.9	7.0	8.5	9.7	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	9.1	8.3	7.7	6.9	6.5	8.0	7.0	9.2	8.8	8.7
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.7	8.7	7.7	6.9	6.8	8.3	7.3	8.7	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.3	9.7	8.7	7.7	6.9	6.3	8.7	7.3	8.6	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.5	10.2	9.9	8.8	8.3	7.8	6.5	7.8	6.9	7.9	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.5	10.1	9.9	9.4	10.6	9.6	8.0	8.4	7.2	8.5	9.0	9.2
HWQ14 - Lake Washington	10.9	10.3	9.8	9.4	9.8	7.8	6.5	5.9	6.3	7.8	9.5	9.4
HWQ16 - Bayou Grand Liard	8.7	9.3	9.5	8.8	8.3	6.7	6.0	5.7	5.9	6.7	7.9	8.0
CRMS 3985	11.2	10.5	9.9	9.0	8.5	8.1	7.6	6.9	6.9	8.1	9.6	9.5
CRMS 0258	11.1	10.4	10.1	9.1	9.7	11.7	10.6	12.2	9.8	10.8	9.4	9.2
CRMS 0224	11.1	10.3	10.0	8.9	8.6	8.4	6.9	10.5	8.2	9.3	9.1	8.8
CRMS 0163	10.8	10.4	9.5	8.5	7.5	7.1	7.6	9.8	6.9	8.2	9.4	9.7
CRMS 0162	10.1	9.8	9.0	8.3	7.4	6.6	6.0	6.2	6.5	7.3	8.3	9.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-0.6	-2.6	-2.4	-1.8	-1.6	-1.3	-1.2	-0.9	-1.4	-1.0	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.2	0.0	0.1	0.2	-0.9	-0.8	-1.0	0.0	-0.2	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.2	0.6	0.6	-0.3	0.0	-0.2	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.2	-1.9	-2.1	-2.1	-2.2	-1.7	0.1	-1.4	-0.1	-1.2	-1.0
USGS7380251 Barataria Bay North of Grand Isle	0.5	0.4	-0.8	-0.5	-0.6	-0.2	0.1	1.7	0.4	0.3	-0.1	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.4	0.8	-0.6	-0.7	-1.0	-0.7	-1.2	1.2	-0.1	0.1	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	1.2	0.9	0.2	-0.2	0.1	0.8	-0.3	1.2	0.3	0.4	0.2	0.3
USGS073802516 Barataria Pass at Grand Isle	1.0	0.8	-0.6	-0.3	1.4	1.0	-0.7	0.5	-0.6	-0.6	-0.2	0.2
HWQ14 - Lake Washington	0.4	0.4	-1.0	0.2	1.6	0.4	-0.2	-0.7	-0.4	-0.3	-0.2	-0.1
HWQ16 - Bayou Grand Liard	0.4	0.4	0.8	0.6	0.5	-0.1	-0.2	-0.4	-0.1	-0.1	0.0	-0.3
CRMS 3985	0.2	0.2	0.0	0.0	0.7	1.4	1.3	0.7	0.3	0.1	-0.1	0.0
CRMS 0258	0.6	0.6	-0.5	-1.5	-1.6	0.4	0.9	2.6	0.1	0.0	-0.2	0.1
CRMS 0224	1.1	0.8	-0.5	-1.2	-1.8	-1.4	-2.1	1.4	-0.5	-0.4	-0.2	0.2
CRMS 0163	-0.1	0.0	0.0	0.0	0.0	0.3	0.8	0.7	0.0	0.0	0.0	0.0
CRMS 0162	-0.1	0.0	-0.1	0.0	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.1

Figure WQ DO 181 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.1	9.4	8.5	7.6	7.2	7.2	8.6	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.5	9.2	9.4	9.2	8.1	7.2	7.0	7.7	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.6	7.6	9.4	7.9	8.0	7.2	9.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.6	9.9	9.0	8.0	7.7	8.0	8.7	9.8	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.1	8.2	7.0	6.6	6.7	6.9	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.7	7.6	7.3	7.0	7.2	8.2	9.3	8.8
USGS 07380335 - Little Lake Near Cutoff	9.3	9.4	10.2	9.3	8.1	7.1	6.8	6.2	6.4	7.5	9.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.8	9.2	8.5	8.4	6.8	7.6	8.5	9.1	8.7
HWQ14 - Lake Washington	10.5	9.8	10.7	9.2	8.2	7.3	6.7	6.4	6.7	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.3	9.0	8.9	8.6	7.6	6.5	6.5	8.4	6.2	7.7	8.8	8.1
CRMS 3985	11.0	10.2	10.0	8.8	7.8	6.7	6.2	6.3	6.6	8.0	9.6	9.4
CRMS 0258	10.4	10.0	11.0	10.7	11.3	10.8	8.8	8.1	8.8	9.7	9.2	9.4
CRMS 0224	9.9	9.6	10.7	10.4	10.2	9.6	8.6	8.5	8.3	9.3	9.1	8.8
CRMS 0163	10.9	10.2	9.3	8.7	7.6	8.7	8.9	10.2	7.2	9.2	9.4	9.7
CRMS 0162	10.1	9.7	9.1	8.4	7.5	6.9	6.4	6.5	8.1	9.3	8.5	9.2

V3PR6 HYST - cy 4 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.7	8.5	8.2	8.0	7.6	6.9	6.5	6.5	6.9	7.9	9.1	8.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.1	9.6	9.7	9.5	8.9	7.9	7.3	7.1	7.6	8.7	8.9
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.7	7.8	9.3	7.8	7.9	7.1	9.5	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	9.0	8.6	7.7	8.6	8.2	7.0	5.5	7.4	8.6	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.6	8.8	7.7	8.9	7.3	6.8	7.1	8.6	9.8	10.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.5	9.6	8.8	7.7	8.9	7.9	7.3	7.1	8.6	9.2	9.7
USGS 07380335 - Little Lake Near Cutoff	10.5	10.7	9.8	9.0	8.1	9.3	7.9	6.7	6.8	8.0	8.9	9.4
USGS073802516 Barataria Pass at Grand Isle	10.5	10.6	9.8	10.1	9.9	9.2	8.3	6.6	7.1	8.5	9.1	9.5
HWQ14 - Lake Washington	10.9	10.5	9.8	10.1	9.3	7.8	6.3	6.0	6.4	7.8	9.5	9.6
HWQ16 - Bayou Grand Liard	8.7	9.9	9.6	9.1	8.0	6.5	6.2	8.1	5.9	7.2	8.4	8.3
CRMS 3985	11.2	10.6	9.8	9.2	8.3	7.2	6.5	6.5	6.7	7.9	9.7	9.8
CRMS 0258	11.0	10.7	10.1	9.3	9.4	10.9	8.8	8.1	8.7	9.6	9.2	9.8
CRMS 0224	10.9	10.7	9.9	9.1	8.5	10.8	8.4	8.3	7.9	9.0	8.8	9.6
CRMS 0163	10.8	10.2	9.4	8.7	7.6	8.9	8.3	9.4	7.2	8.9	9.3	9.6
CRMS 0162	10.0	9.7	9.0	8.3	7.4	6.8	6.4	6.4	7.5	9.6	8.4	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-1.4	-2.7	-2.1	-1.8	-1.7	-1.1	-0.7	-0.3	-0.7	-0.8	-1.2
CRMS0276 - Just east of Wilkinson Canal	0.2	0.2	0.1	0.5	0.1	-0.3	-0.2	0.1	0.0	-0.1	-0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	-0.1	-0.2	-0.1	0.0	0.1	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	-0.1	-2.0	-2.0	-2.2	-0.5	0.2	-0.8	-2.5	-1.3	-1.3	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.5	-1.0	-0.3	-0.5	1.8	0.7	0.1	0.2	0.1	0.1	0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.2	1.0	-0.8	-0.6	-1.0	1.4	0.5	0.3	-0.1	0.5	-0.1	0.9
USGS 07380335 - Little Lake Near Cutoff	1.2	1.3	-0.4	-0.4	0.0	2.2	1.1	0.5	0.3	0.6	-0.5	1.0
USGS073802516 Barataria Pass at Grand Isle	0.9	1.3	-0.7	0.3	0.7	0.7	-0.2	-0.2	-0.5	-0.1	0.1	0.8
HWQ14 - Lake Washington	0.4	0.6	-0.9	0.9	1.0	0.5	-0.3	-0.4	-0.3	-0.4	0.0	0.2
HWQ16 - Bayou Grand Liard	0.4	0.8	0.8	0.6	0.4	0.0	-0.4	-0.3	-0.2	-0.5	-0.4	0.2
CRMS 3985	0.2	0.4	-0.2	0.3	0.5	0.5	0.3	0.2	0.1	-0.1	0.1	0.4
CRMS 0258	0.6	0.7	-0.9	-1.4	-1.8	0.1	0.0	0.0	-0.1	0.0	0.0	0.4
CRMS 0224	0.9	1.1	-0.7	-1.3	-1.7	1.2	-0.2	-0.3	-0.4	-0.3	-0.2	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	-0.6	-0.8	0.0	-0.3	0.0	0.0
CRMS 0162	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	-0.6	0.3	0.0	0.0

Figure WQ DO 182 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.9	10.7	9.7	8.8	7.6	7.2	6.9	7.1	8.4	10.0	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.3	8.8	8.3	7.9	7.6	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.5	9.9	8.9	7.9	7.6	9.2	9.3	6.6	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	10.8	10.2	9.4	8.6	7.8	7.6	7.6	8.4	9.9	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.4	9.2	7.9	6.8	6.9	7.0	7.0	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	10.3	9.3	8.6	7.5	7.2	6.7	7.1	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.2	9.2	9.9	8.9	8.1	7.1	6.7	6.9	6.7	7.5	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	9.6	9.2	10.4	9.6	9.3	8.1	8.0	6.5	7.4	8.1	8.9	8.9
HWQ14 - Lake Washington	10.5	9.8	10.9	9.3	8.2	7.3	6.7	6.6	6.8	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	8.8	8.5	8.0	7.1	6.5	7.5	8.2	7.2	8.3	8.2	8.0
CRMS 3985	11.0	10.3	9.9	9.2	7.8	6.8	6.5	6.6	6.8	7.9	9.6	9.5
CRMS 0258	10.3	9.8	10.5	10.3	10.8	9.8	8.0	7.7	8.0	9.6	9.5	9.7
CRMS 0224	9.9	9.5	10.3	9.8	9.7	9.2	8.3	7.7	7.7	7.9	8.9	9.1
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.5	10.3	7.7	8.0	9.3	9.6
CRMS 0162	9.6	9.8	9.0	8.4	7.8	7.3	7.0	8.2	8.0	8.4	8.6	9.1

V3PR6 HYST - cy 4 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.2	9.2	8.7	7.5	6.9	6.6	6.7	7.1	7.8	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.3	9.8	9.5	8.8	8.7	8.0	7.7	7.0	6.6	7.6	8.8	8.8
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.9	8.0	7.5	9.2	9.2	7.5	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	10.4	9.5	9.2	8.0	7.5	7.6	6.9	5.6	7.0	8.8	8.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.6	10.1	9.4	8.6	7.6	6.8	6.8	7.1	8.6	9.9	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.6	10.3	9.6	8.6	8.2	7.7	7.1	7.1	8.5	9.2	9.4
USGS 07380335 - Little Lake Near Cutoff	9.6	10.4	10.5	9.6	8.3	8.4	7.8	6.7	7.1	7.8	8.8	8.9
USGS073802516 Barataria Pass at Grand Isle	9.8	10.2	10.7	9.5	9.1	8.4	8.0	6.6	7.2	8.3	9.0	9.3
HWQ14 - Lake Washington	10.7	10.3	11.0	9.4	8.3	7.3	6.5	6.2	6.5	7.9	9.6	9.7
HWQ16 - Bayou Grand Liard	8.2	9.2	8.8	8.2	7.4	6.4	7.2	8.2	6.6	7.5	8.0	8.1
CRMS 3985	11.0	10.4	10.2	9.0	8.2	7.0	6.4	6.4	6.8	8.0	9.8	9.7
CRMS 0258	10.4	10.4	10.9	10.3	11.4	9.2	7.9	7.7	7.9	9.3	9.8	9.6
CRMS 0224	10.1	10.5	10.6	9.7	10.4	8.8	8.0	7.8	7.5	8.7	9.1	9.2
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	10.3	10.2	7.8	8.0	9.3	9.6
CRMS 0162	9.6	9.7	9.0	8.4	7.7	7.3	6.9	8.1	8.3	8.0	8.6	9.0

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	-0.6	-1.5	-1.0	-1.2	-0.7	-0.6	-0.2	0.0	-0.6	-0.9	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.2	0.1	0.3	0.1	0.1	-0.1	0.1	0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	0.9	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.7	-1.3	-1.0	-1.4	-1.1	-0.2	-0.8	-2.1	-1.4	-1.2	-0.9
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.5	-0.3	0.2	0.7	0.8	-0.1	-0.2	0.2	0.1	0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	1.3	-0.1	0.3	0.0	0.7	0.5	0.4	0.0	0.6	0.1	0.4
USGS 07380335 - Little Lake Near Cutoff	0.4	1.1	0.6	0.6	0.2	1.3	1.1	-0.2	0.4	0.4	0.0	0.4
USGS073802516 Barataria Pass at Grand Isle	0.2	1.0	0.3	-0.1	-0.2	0.3	0.0	0.1	-0.2	0.2	0.2	0.5
HWQ14 - Lake Washington	0.2	0.5	0.1	0.1	0.1	0.0	-0.2	-0.4	-0.3	-0.3	0.1	0.2
HWQ16 - Bayou Grand Liard	0.1	0.4	0.3	0.2	0.3	-0.1	-0.2	0.0	-0.6	-0.7	-0.2	0.1
CRMS 3985	0.0	0.2	0.3	-0.2	0.4	0.2	-0.1	-0.2	0.0	0.1	0.1	0.2
CRMS 0258	0.0	0.6	0.5	0.0	0.6	-0.6	-0.1	0.0	-0.1	-0.3	0.3	-0.2
CRMS 0224	0.2	1.0	0.3	-0.1	0.7	-0.4	-0.3	0.1	-0.2	0.8	0.2	0.0
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.1	-1.2	-0.1	0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	-0.1	0.0	-0.2	-0.1	0.3	-0.4	0.0	-0.1

Figure WQ DO 183 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.0	9.1	8.3	8.0	8.0	7.8	9.0	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.7	9.1	8.6	8.3	8.0	8.1	7.2	8.1	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.8	7.9	7.3	6.7	6.8	7.0	8.5	9.5	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.9	11.0	10.5	9.6	9.2	8.1	8.1	8.3	9.0	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.2	8.1	7.0	6.9	7.0	7.0	8.5	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.5	7.6	7.3	7.4	7.4	8.4	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.5	10.4	9.3	8.0	6.9	6.6	6.5	6.5	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.4	10.5	9.8	9.2	8.4	8.3	7.8	7.8	9.0	9.1	8.9
HWQ14 - Lake Washington	10.5	9.8	10.6	9.2	8.2	7.2	6.5	6.4	6.7	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	8.5	9.2	8.9	8.4	7.3	6.6	6.1	5.8	6.1	6.9	7.9	8.2
CRMS 3985	11.0	10.2	10.1	8.8	7.8	6.6	6.2	6.4	6.6	7.9	9.7	9.4
CRMS 0258	10.5	10.0	11.1	10.8	11.3	11.3	9.5	9.7	9.7	10.2	9.6	9.1
CRMS 0224	10.0	9.7	10.6	10.4	10.1	9.8	8.8	9.0	8.8	9.5	9.1	8.7
CRMS 0163	10.8	10.1	9.5	8.7	7.7	6.9	6.6	7.6	7.1	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.1	8.4	7.8	6.7	6.2	6.2	6.5	7.4	8.4	8.8

V3PR6 HYST - cy 4 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	8.5	8.3	8.0	7.6	6.9	6.6	6.6	6.9	7.8	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.4	10.2	9.8	9.7	8.6	7.7	7.2	7.7	7.1	8.0	8.6	8.7
Barataria Waterway at Lafitte (USACE82875)	10.8	10.2	9.7	8.8	8.3	7.7	6.9	6.8	7.0	8.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.5	9.5	9.4	8.7	7.8	6.8	6.4	7.0	6.8	7.9	8.7	8.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.1	7.9	7.2	6.8	7.7	7.3	8.5	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.4	9.8	9.0	8.0	7.0	6.2	7.2	7.5	8.7	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	11.1	10.7	10.0	9.3	8.4	7.5	6.3	6.6	7.0	8.2	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	11.0	10.6	9.9	10.3	8.7	8.7	7.5	7.8	7.4	8.7	9.0	9.2
HWQ14 - Lake Washington	11.0	10.5	9.9	10.3	8.2	7.3	6.3	6.0	6.3	7.7	9.5	9.4
HWQ16 - Bayou Grand Liard	9.4	10.0	9.7	9.0	7.4	6.5	6.1	5.9	6.0	6.7	7.9	8.0
CRMS 3985	11.3	10.6	9.9	9.4	8.1	7.6	7.3	7.1	6.8	7.9	9.6	9.5
CRMS 0258	11.5	10.7	10.2	10.0	10.2	12.1	10.8	12.7	9.6	10.4	9.4	9.2
CRMS 0224	11.4	10.7	10.1	9.5	9.1	9.1	6.8	9.1	8.4	9.0	9.0	8.8
CRMS 0163	10.8	10.1	9.6	8.7	7.8	7.2	7.1	8.3	7.0	8.2	9.4	9.7
CRMS 0162	10.1	9.6	9.0	8.4	7.8	6.7	6.1	6.2	6.5	7.4	8.4	8.8

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.2	-1.5	-2.6	-2.0	-1.5	-1.4	-1.4	-1.4	-0.9	-1.2	-0.9	-0.2
CRMS0276 - Just east of Wilkinson Canal	0.7	0.2	0.1	0.6	0.0	-0.7	-0.8	-0.4	-0.1	-0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.0	0.0	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.4	-0.4	-1.6	-1.8	-1.8	-2.4	-1.8	-1.1	-1.5	-1.1	-1.3	-1.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.8	-0.1	-0.2	0.3	-0.1	0.7	0.3	0.0	0.0	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.4	0.9	-0.6	-0.4	-0.6	-0.6	-1.1	-0.3	0.1	0.2	0.2	0.3
USGS 07380335 - Little Lake Near Cutoff	1.7	1.2	-0.5	0.0	0.3	0.6	-0.3	0.1	0.5	0.7	0.2	0.3
USGS073802516 Barataria Pass at Grand Isle	1.4	1.2	-0.5	0.5	-0.6	0.3	-0.8	0.0	-0.4	-0.3	0.0	0.2
HWQ14 - Lake Washington	0.5	0.6	-0.8	1.1	0.0	0.0	-0.2	-0.4	-0.3	-0.4	-0.1	-0.2
HWQ16 - Bayou Grand Liard	1.0	0.9	0.8	0.7	0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	-0.2
CRMS 3985	0.3	0.3	-0.2	0.6	0.3	1.0	1.2	0.8	0.2	0.0	0.0	0.0
CRMS 0258	1.0	0.7	-0.9	-0.8	-1.1	0.9	1.3	2.9	-0.1	0.1	-0.2	0.1
CRMS 0224	1.4	1.0	-0.5	-0.9	-1.0	-0.7	-1.9	0.1	-0.4	-0.6	-0.1	0.2
CRMS 0163	0.0	0.1	0.0	0.0	0.1	0.3	0.4	0.7	-0.1	-0.1	0.0	0.0
CRMS 0162	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 184 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.8	10.6	9.9	9.3	8.6	7.9	7.6	7.4	8.8	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.3	8.7	7.7	9.4	8.7	7.9	7.4	7.9	8.7	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.5	7.5	7.9	7.2	9.4	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.6	10.6	10.4	9.9	9.2	8.1	7.9	8.2	8.9	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	9.2	8.1	7.1	6.7	6.6	6.9	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.3	10.2	9.4	8.6	7.7	7.4	7.4	7.4	8.4	9.3	8.9
USGS 07380335 - Little Lake Near Cutoff	9.2	9.1	9.5	9.0	7.7	7.0	7.0	6.4	6.6	7.5	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.1	10.5	9.6	9.0	8.4	8.7	7.6	7.8	8.8	9.2	8.8
HWQ14 - Lake Washington	10.5	9.8	11.0	9.2	8.2	7.3	6.7	6.7	6.7	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.1	8.2	7.2	6.8	6.1	6.5	6.0	7.0	8.7	8.4
CRMS 3985	11.0	10.3	9.8	9.0	7.8	6.7	6.2	6.2	6.6	8.0	9.7	9.5
CRMS 0258	10.3	9.5	10.0	10.5	11.5	11.2	9.6	9.5	9.4	10.0	9.3	9.4
CRMS 0224	9.9	9.2	10.1	9.9	10.0	10.0	8.8	9.0	8.8	9.4	8.9	8.9
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.0	9.8	7.4	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	8.2	8.5	9.2

V3PR6 HYST - cy 4 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.3	8.2	7.9	7.1	7.0	6.6	6.5	6.9	7.9	9.0	8.2
CRMS0276 - Just east of Wilkinson Canal	9.4	9.4	9.4	8.9	8.0	8.6	7.5	8.0	7.3	7.8	8.6	9.3
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.7	8.7	7.2	8.2	8.4	7.5	7.1	9.1	9.5	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	9.2	8.6	7.5	6.9	6.4	8.0	6.4	7.9	8.6	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.7	8.9	7.4	7.0	7.3	7.8	7.2	8.5	9.7	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	9.6	8.7	7.2	6.6	6.3	8.1	6.9	8.0	8.4	9.3
USGS 07380335 - Little Lake Near Cutoff	9.5	9.3	9.8	8.9	7.4	7.9	6.9	8.0	6.9	8.0	8.8	9.8
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	9.8	9.6	8.0	9.8	8.4	8.3	7.2	8.6	9.1	9.7
HWQ14 - Lake Washington	10.7	10.0	9.8	9.6	7.9	8.1	6.4	5.9	6.3	7.7	9.5	9.6
HWQ16 - Bayou Grand Liard	8.3	8.7	9.4	8.8	7.3	7.0	6.0	5.9	5.9	6.8	8.3	8.9
CRMS 3985	11.1	10.3	9.9	9.1	7.6	8.2	7.7	6.7	6.8	7.9	9.6	9.9
CRMS 0258	10.3	9.6	10.0	9.2	8.3	10.9	12.2	10.4	9.3	10.2	9.2	10.0
CRMS 0224	10.0	9.4	9.9	9.0	7.8	8.2	7.9	9.9	8.2	8.9	8.8	9.9
CRMS 0163	10.6	10.5	9.6	8.7	7.3	6.8	8.3	9.4	7.4	8.4	9.4	9.5
CRMS 0162	9.6	9.2	8.9	8.4	7.2	6.4	6.1	6.2	6.5	7.6	8.4	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	0.5	-2.4	-2.0	-2.1	-1.6	-1.3	-1.1	-0.5	-0.9	-0.9	-1.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.1	0.2	0.3	-0.8	-1.2	0.1	-0.1	-0.1	-0.1	0.3
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.7	0.8	-0.3	0.0	-0.3	-0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.1	-1.3	-1.8	-2.4	-2.4	-1.7	0.1	-1.8	-1.0	-1.2	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.1	-0.6	-0.3	-0.8	-0.1	0.7	1.3	0.2	0.0	-0.1	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.2	-0.6	-0.7	-1.4	-1.1	-1.1	0.7	-0.5	-0.3	-0.8	0.4
USGS 07380335 - Little Lake Near Cutoff	0.4	0.2	0.2	-0.1	-0.3	0.9	-0.1	1.5	0.4	0.6	-0.4	1.3
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.7	-0.1	-1.0	1.5	-0.2	0.7	-0.5	-0.2	-0.1	0.9
HWQ14 - Lake Washington	0.2	0.1	-1.2	0.3	-0.3	0.8	-0.4	-0.8	-0.5	-0.5	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.3	0.6	0.2	0.2	-0.1	-0.6	-0.1	-0.2	-0.4	0.5
CRMS 3985	0.0	0.0	0.0	0.1	-0.2	1.5	1.4	0.5	0.2	-0.1	0.0	0.4
CRMS 0258	0.0	0.1	0.0	-1.3	-3.2	-0.2	2.6	0.9	-0.1	0.2	-0.1	0.6
CRMS 0224	0.1	0.1	-0.2	-0.9	-2.3	-1.8	-0.9	0.9	-0.6	-0.5	-0.1	1.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	1.3	-0.5	-0.1	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	0.0	-0.1	-0.6	-0.1	-0.1

Figure WQ DO 185 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	10.0	9.4	8.6	8.0	7.7	7.6	9.2	10.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.6	10.8	8.8	8.5	8.0	7.6	8.0	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.6	8.4	7.7	7.6	6.9	8.3	7.0	8.7	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.5	9.8	9.1	8.2	7.9	8.4	9.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.5	9.2	8.2	7.1	6.7	6.6	6.9	8.4	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	10.3	9.4	8.7	7.6	7.4	7.6	7.4	8.5	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.3	9.3	9.7	9.0	8.2	7.0	6.8	6.6	6.6	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.7	9.2	8.6	8.7	7.9	7.8	9.1	9.2	9.0
HWQ14 - Lake Washington	10.5	9.9	10.8	9.2	8.2	7.4	6.7	6.7	6.7	8.1	9.6	9.5
HWQ16 - Bayou Grand Liard	8.3	8.8	8.7	8.2	7.9	6.8	6.2	6.0	6.1	6.8	7.9	8.3
CRMS 3985	11.0	10.3	9.9	8.9	7.8	6.7	6.2	6.2	6.6	7.9	9.7	9.5
CRMS 0258	10.5	9.8	10.6	10.5	11.3	11.3	9.8	9.6	9.7	10.8	9.6	9.0
CRMS 0224	9.9	9.5	10.6	10.1	10.4	9.7	9.1	9.1	8.6	9.8	9.3	8.6
CRMS 0163	10.9	10.4	9.4	8.5	7.5	6.7	6.7	9.1	7.0	8.2	9.4	9.8
CRMS 0162	10.2	9.8	9.1	8.3	7.5	6.6	6.1	6.2	6.6	7.5	8.4	9.2

V3PR7 HYST - cy 4 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	9.3	8.2	7.7	7.6	7.0	6.7	6.5	6.7	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.8	9.7	9.5	8.8	9.8	8.0	7.4	8.0	7.5	7.9	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.5	8.0	8.3	7.5	7.9	6.9	8.6	9.7	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.1	9.3	8.4	7.7	6.8	6.5	8.8	7.5	9.3	8.9	8.9
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.7	8.7	7.7	6.9	6.8	8.3	7.3	8.7	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.3	9.7	8.6	7.7	6.9	6.3	8.8	7.3	8.6	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.5	10.2	9.9	8.8	8.2	7.7	6.5	7.9	6.9	7.9	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	10.5	10.1	9.9	9.4	10.6	9.6	8.0	8.5	7.2	8.5	9.0	9.2
HWQ14 - Lake Washington	10.9	10.3	9.8	9.4	9.9	7.8	6.5	5.9	6.3	7.8	9.5	9.4
HWQ16 - Bayou Grand Liard	8.7	9.3	9.5	8.8	8.3	6.7	6.0	5.7	6.0	6.7	7.9	8.0
CRMS 3985	11.2	10.5	9.9	9.0	8.6	8.2	7.6	6.9	6.9	8.0	9.6	9.5
CRMS 0258	11.1	10.4	10.1	9.1	9.5	11.6	10.7	12.2	9.8	10.7	9.4	9.3
CRMS 0224	11.1	10.4	10.0	8.9	8.6	8.3	6.9	10.4	8.2	9.3	9.1	8.9
CRMS 0163	10.8	10.4	9.5	8.5	7.5	7.1	7.4	9.8	6.9	8.2	9.4	9.8
CRMS 0162	10.1	9.8	9.0	8.2	7.5	6.6	6.0	6.2	6.5	7.4	8.3	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-0.6	-2.6	-2.4	-1.8	-1.6	-1.3	-1.2	-0.9	-1.4	-1.0	-0.2
CRMS0276 - Just east of Wilkinson Canal	0.2	0.0	0.1	0.2	-1.0	-0.8	-1.0	0.0	-0.1	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.3	0.7	0.6	-0.3	0.0	-0.1	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.3	-1.7	-2.0	-2.1	-2.3	-1.7	0.9	-0.9	0.0	-1.1	-0.8
USGS7380251 Barataria Bay North of Grand Isle	0.5	0.4	-0.8	-0.5	-0.5	-0.2	0.1	1.7	0.4	0.3	-0.1	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.4	0.8	-0.7	-0.7	-1.0	-0.7	-1.2	1.2	-0.1	0.1	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	1.2	0.9	0.2	-0.2	0.0	0.7	-0.3	1.3	0.3	0.4	0.2	0.3
USGS073802516 Barataria Pass at Grand Isle	0.9	0.8	-0.6	-0.3	1.4	1.0	-0.7	0.5	-0.6	-0.6	-0.2	0.2
HWQ14 - Lake Washington	0.4	0.4	-1.0	0.3	1.6	0.4	-0.2	-0.7	-0.4	-0.3	-0.2	-0.1
HWQ16 - Bayou Grand Liard	0.4	0.4	0.8	0.6	0.5	-0.1	-0.2	-0.3	-0.1	-0.1	0.0	-0.3
CRMS 3985	0.2	0.2	0.0	0.1	0.8	1.4	1.4	0.7	0.3	0.1	0.0	0.0
CRMS 0258	0.6	0.6	-0.5	-1.5	-1.8	0.3	0.9	2.5	0.1	-0.1	-0.2	0.2
CRMS 0224	1.1	0.8	-0.6	-1.2	-1.9	-1.4	-2.2	1.3	-0.4	-0.5	-0.2	0.2
CRMS 0163	-0.1	0.0	0.0	0.0	0.0	0.4	0.7	0.7	0.0	0.0	0.0	0.0
CRMS 0162	-0.1	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	-0.1	0.0	0.0

Figure WQ DO 186 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.1	9.4	8.5	7.6	7.2	7.2	8.6	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.5	9.2	9.4	9.2	8.1	7.2	7.0	7.7	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.6	7.6	9.4	7.9	8.0	7.2	9.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.6	9.9	9.0	8.0	7.7	8.0	8.7	9.8	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.1	8.2	7.0	6.6	6.7	6.9	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.7	7.6	7.3	7.0	7.2	8.2	9.3	8.8
USGS 07380335 - Little Lake Near Cutoff	9.3	9.4	10.2	9.3	8.1	7.1	6.8	6.2	6.4	7.5	9.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.8	9.2	8.5	8.4	6.8	7.6	8.5	9.1	8.7
HWQ14 - Lake Washington	10.5	9.8	10.7	9.2	8.2	7.3	6.7	6.4	6.7	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.3	9.0	8.9	8.6	7.6	6.5	6.5	8.4	6.2	7.7	8.8	8.1
CRMS 3985	11.0	10.2	10.0	8.8	7.8	6.7	6.2	6.3	6.6	8.0	9.6	9.4
CRMS 0258	10.4	10.0	11.0	10.7	11.3	10.8	8.8	8.1	8.8	9.7	9.2	9.4
CRMS 0224	9.9	9.6	10.7	10.4	10.2	9.6	8.6	8.5	8.3	9.3	9.1	8.8
CRMS 0163	10.9	10.2	9.3	8.7	7.6	8.7	8.9	10.2	7.2	9.2	9.4	9.7
CRMS 0162	10.1	9.7	9.1	8.4	7.5	6.9	6.4	6.5	8.1	9.3	8.5	9.2

V3PR7 HYST - cy 4 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.7	8.5	8.2	8.0	7.6	6.9	6.3	6.3	6.9	7.9	9.1	8.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.1	9.6	9.7	9.5	8.9	7.8	7.3	7.1	7.6	8.6	8.9
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.7	7.8	9.2	7.7	7.9	7.2	9.6	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	9.1	8.7	7.7	9.1	9.3	8.5	6.2	7.8	8.7	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.6	8.8	7.7	8.8	7.3	6.8	7.1	8.6	9.8	10.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.5	9.6	8.8	7.7	8.9	7.8	7.3	7.1	8.6	9.1	9.8
USGS 07380335 - Little Lake Near Cutoff	10.5	10.7	9.8	9.0	8.0	9.3	7.9	6.7	6.8	8.1	8.8	9.4
USGS073802516 Barataria Pass at Grand Isle	10.5	10.6	9.8	10.1	9.9	9.2	8.2	6.6	7.1	8.5	9.1	9.5
HWQ14 - Lake Washington	10.9	10.4	9.8	10.1	9.3	7.8	6.3	6.0	6.4	7.8	9.6	9.6
HWQ16 - Bayou Grand Liard	8.7	9.9	9.6	9.1	8.0	6.5	6.2	8.2	6.0	7.0	8.2	8.3
CRMS 3985	11.2	10.6	9.8	9.2	8.4	7.2	6.5	6.5	6.7	7.9	9.7	9.8
CRMS 0258	11.0	10.7	10.0	9.3	9.2	11.0	8.9	8.2	8.7	9.7	9.3	9.8
CRMS 0224	10.9	10.7	9.9	9.1	8.4	10.8	8.4	8.2	7.9	9.0	8.9	9.6
CRMS 0163	10.8	10.2	9.4	8.7	7.6	9.1	8.4	9.3	7.2	8.9	9.3	9.6
CRMS 0162	10.0	9.7	8.9	8.4	7.5	6.8	6.3	6.4	7.1	9.6	8.5	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-1.4	-2.7	-2.1	-1.8	-1.7	-1.2	-0.8	-0.3	-0.7	-0.8	-1.2
CRMS0276 - Just east of Wilkinson Canal	0.2	0.2	0.1	0.5	0.2	-0.3	-0.2	0.1	0.1	-0.1	-0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.2	-0.1	-0.2	-0.1	0.0	0.1	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.1	-1.9	-1.9	-2.2	0.1	1.3	0.7	-1.8	-0.9	-1.1	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.5	-1.0	-0.3	-0.5	1.8	0.7	0.1	0.2	0.1	0.1	0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.2	1.0	-0.9	-0.6	-1.0	1.3	0.5	0.3	-0.1	0.5	-0.1	1.0
USGS 07380335 - Little Lake Near Cutoff	1.2	1.3	-0.4	-0.4	-0.1	2.3	1.1	0.5	0.3	0.6	-0.6	1.0
USGS073802516 Barataria Pass at Grand Isle	0.9	1.3	-0.7	0.3	0.7	0.7	-0.2	-0.2	-0.5	0.0	0.0	0.8
HWQ14 - Lake Washington	0.4	0.6	-1.0	0.9	1.1	0.5	-0.3	-0.4	-0.3	-0.4	0.0	0.2
HWQ16 - Bayou Grand Liard	0.4	0.9	0.8	0.6	0.4	0.0	-0.4	-0.2	-0.2	-0.7	-0.6	0.2
CRMS 3985	0.2	0.3	-0.2	0.4	0.6	0.5	0.3	0.2	0.1	-0.1	0.1	0.4
CRMS 0258	0.6	0.8	-0.9	-1.4	-2.0	0.1	0.1	0.1	-0.1	0.0	0.1	0.4
CRMS 0224	0.9	1.1	-0.7	-1.3	-1.8	1.2	-0.2	-0.3	-0.4	-0.2	-0.2	0.8
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.3	-0.5	-0.9	0.0	-0.3	0.0	0.0
CRMS 0162	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	-1.0	0.3	0.0	0.0

Figure WQ DO 187 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.9	10.7	9.7	8.8	7.6	7.2	6.9	7.1	8.4	10.0	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.3	8.8	8.3	7.9	7.6	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.5	9.9	8.9	7.9	7.6	9.2	9.3	6.6	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	10.8	10.2	9.4	8.6	7.8	7.6	7.6	8.4	9.9	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.4	9.2	7.9	6.8	6.9	7.0	7.0	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	10.3	9.3	8.6	7.5	7.2	6.7	7.1	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.2	9.2	9.9	8.9	8.1	7.1	6.7	6.9	6.7	7.5	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	9.6	9.2	10.4	9.6	9.3	8.1	8.0	6.5	7.4	8.1	8.9	8.9
HWQ14 - Lake Washington	10.5	9.8	10.9	9.3	8.2	7.3	6.7	6.6	6.8	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	8.8	8.5	8.0	7.1	6.5	7.5	8.2	7.2	8.3	8.2	8.0
CRMS 3985	11.0	10.3	9.9	9.2	7.8	6.8	6.5	6.6	6.8	7.9	9.6	9.5
CRMS 0258	10.3	9.8	10.5	10.3	10.8	9.8	8.0	7.7	8.0	9.6	9.5	9.7
CRMS 0224	9.9	9.5	10.3	9.8	9.7	9.2	8.3	7.7	7.7	7.9	8.9	9.1
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.5	10.3	7.7	8.0	9.3	9.6
CRMS 0162	9.6	9.8	9.0	8.4	7.8	7.3	7.0	8.2	8.0	8.4	8.6	9.1

V3PR7 HYST - cy 4 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.6	9.2	9.2	8.7	7.5	6.8	6.5	6.5	7.0	7.8	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.3	9.8	9.5	8.8	8.6	8.0	7.6	7.0	6.7	7.6	8.8	8.8
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.9	7.9	7.5	9.1	9.1	7.5	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.0	10.5	9.6	9.3	8.4	8.2	8.8	8.3	6.3	7.5	8.8	8.9
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.6	10.1	9.4	8.6	7.6	6.8	6.7	7.1	8.6	9.8	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.6	10.3	9.6	8.6	8.2	7.6	7.0	7.0	8.5	9.2	9.4
USGS 07380335 - Little Lake Near Cutoff	9.6	10.4	10.5	9.6	8.3	8.4	7.8	6.7	7.1	7.8	8.8	9.0
USGS073802516 Barataria Pass at Grand Isle	9.7	10.2	10.6	9.6	9.1	8.4	8.0	6.6	7.2	8.4	9.0	9.3
HWQ14 - Lake Washington	10.6	10.3	10.9	9.4	8.3	7.3	6.5	6.2	6.5	7.9	9.6	9.6
HWQ16 - Bayou Grand Liard	8.2	9.2	8.8	8.2	7.4	6.4	7.2	8.2	6.5	7.5	8.0	8.1
CRMS 3985	11.0	10.4	10.3	9.0	8.1	6.9	6.3	6.4	6.8	7.9	9.8	9.7
CRMS 0258	10.4	10.4	10.9	10.2	11.4	9.3	7.9	7.8	8.0	9.3	9.8	9.6
CRMS 0224	10.1	10.5	10.6	9.7	10.3	8.8	8.0	7.8	7.5	8.7	9.2	9.2
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.2	10.2	10.2	8.0	8.0	9.3	9.6
CRMS 0162	9.6	9.7	9.0	8.4	7.8	7.6	6.9	8.2	8.5	8.0	8.6	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	-0.6	-1.5	-1.0	-1.2	-0.7	-0.7	-0.4	-0.1	-0.6	-0.9	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.2	0.1	0.3	0.0	0.1	-0.2	0.1	0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	0.9	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.7	-1.1	-0.9	-1.0	-0.3	1.0	0.7	-1.4	-0.9	-1.1	-0.8
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.5	-0.3	0.3	0.7	0.8	-0.1	-0.2	0.2	0.1	0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	1.3	0.0	0.3	0.0	0.7	0.4	0.4	-0.1	0.6	0.1	0.4
USGS 07380335 - Little Lake Near Cutoff	0.4	1.2	0.6	0.6	0.2	1.3	1.1	-0.2	0.4	0.4	0.0	0.4
USGS073802516 Barataria Pass at Grand Isle	0.2	1.0	0.2	-0.1	-0.2	0.3	0.0	0.1	-0.2	0.3	0.2	0.4
HWQ14 - Lake Washington	0.2	0.5	-0.1	0.1	0.1	0.0	-0.2	-0.4	-0.3	-0.3	0.1	0.2
HWQ16 - Bayou Grand Liard	0.1	0.4	0.3	0.2	0.3	-0.1	-0.2	0.0	-0.6	-0.8	-0.2	0.1
CRMS 3985	0.0	0.2	0.4	-0.2	0.3	0.1	-0.2	-0.2	0.0	0.0	0.1	0.3
CRMS 0258	0.1	0.6	0.4	-0.1	0.6	-0.5	-0.1	0.1	0.0	-0.2	0.3	-0.1
CRMS 0224	0.2	1.1	0.3	0.0	0.6	-0.4	-0.3	0.1	-0.2	0.9	0.2	0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.1	-1.3	-0.1	0.2	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.3	-0.2	0.0	0.5	-0.4	-0.1	0.0

Figure WQ DO 188 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.0	9.1	8.3	8.0	8.0	7.8	9.0	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.7	9.1	8.6	8.3	8.0	8.1	7.2	8.1	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.8	7.9	7.3	6.7	6.8	7.0	8.5	9.5	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.9	11.0	10.5	9.6	9.2	8.1	8.1	8.3	9.0	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.2	8.1	7.0	6.9	7.0	7.0	8.5	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.5	7.6	7.3	7.4	7.4	8.4	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.5	10.4	9.3	8.0	6.9	6.6	6.5	6.5	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.4	10.5	9.8	9.2	8.4	8.3	7.8	7.8	9.0	9.1	8.9
HWQ14 - Lake Washington	10.5	9.8	10.6	9.2	8.2	7.2	6.5	6.4	6.7	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	8.5	9.2	8.9	8.4	7.3	6.6	6.1	5.8	6.1	6.9	7.9	8.2
CRMS 3985	11.0	10.2	10.1	8.8	7.8	6.6	6.2	6.4	6.6	7.9	9.7	9.4
CRMS 0258	10.5	10.0	11.1	10.8	11.3	11.3	9.5	9.7	9.7	10.2	9.6	9.1
CRMS 0224	10.0	9.7	10.6	10.4	10.1	9.8	8.8	9.0	8.8	9.5	9.1	8.7
CRMS 0163	10.8	10.1	9.5	8.7	7.7	6.9	6.6	7.6	7.1	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.1	8.4	7.8	6.7	6.2	6.2	6.5	7.4	8.4	8.8

V3PR7 HYST - cy 4 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.0	7.6	6.9	6.6	6.6	6.8	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.4	10.2	9.7	9.7	8.6	7.6	7.1	7.6	7.0	8.0	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.7	8.8	8.3	7.7	6.9	6.8	7.0	8.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.7	9.5	8.8	7.8	6.8	6.4	8.5	7.3	8.3	8.8	8.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.8	9.1	7.9	7.1	6.8	7.7	7.3	8.5	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.4	9.8	9.0	8.0	7.0	6.2	7.2	7.4	8.7	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	11.1	10.6	10.0	9.3	8.4	7.5	6.3	6.6	7.0	8.2	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	11.0	10.6	10.0	10.3	8.7	8.7	7.5	7.8	7.3	8.7	9.0	9.1
HWQ14 - Lake Washington	11.0	10.5	9.9	10.3	8.2	7.3	6.3	6.0	6.3	7.7	9.5	9.4
HWQ16 - Bayou Grand Liard	9.4	10.0	9.7	9.0	7.4	6.5	6.1	5.9	6.0	6.7	7.9	8.0
CRMS 3985	11.3	10.6	9.9	9.5	8.1	7.6	7.2	7.1	6.8	7.9	9.6	9.5
CRMS 0258	11.5	10.7	10.2	9.9	10.2	12.0	11.0	12.5	9.6	10.3	9.4	9.3
CRMS 0224	11.4	10.7	10.1	9.4	9.1	9.0	6.8	9.0	8.4	9.0	9.1	8.9
CRMS 0163	10.8	10.1	9.6	8.7	7.8	7.2	7.0	8.3	7.1	8.2	9.4	9.7
CRMS 0162	10.1	9.6	9.0	8.4	7.8	6.6	6.1	6.2	6.5	7.4	8.3	8.8

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-1.5	-2.6	-2.0	-1.5	-1.4	-1.4	-1.4	-0.9	-1.2	-0.9	-0.2
CRMS0276 - Just east of Wilkinson Canal	0.7	0.2	0.1	0.6	0.0	-0.7	-0.9	-0.5	-0.2	-0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.4	0.4	0.2	0.0	0.0	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.2	-0.2	-1.5	-1.7	-1.8	-2.4	-1.7	0.5	-1.0	-0.8	-1.2	-0.9
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.8	-0.1	-0.2	0.2	-0.1	0.6	0.3	0.0	0.0	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.3	0.8	-0.6	-0.4	-0.6	-0.6	-1.1	-0.3	0.1	0.2	0.2	0.3
USGS 07380335 - Little Lake Near Cutoff	1.7	1.2	-0.5	0.0	0.3	0.6	-0.3	0.1	0.5	0.7	0.2	0.3
USGS073802516 Barataria Pass at Grand Isle	1.4	1.2	-0.5	0.5	-0.6	0.3	-0.8	0.0	-0.4	-0.3	-0.1	0.2
HWQ14 - Lake Washington	0.5	0.6	-0.8	1.1	0.0	0.1	-0.2	-0.4	-0.3	-0.4	-0.1	-0.2
HWQ16 - Bayou Grand Liard	0.9	0.9	0.8	0.6	0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	-0.2
CRMS 3985	0.3	0.3	-0.1	0.6	0.3	0.9	1.1	0.8	0.2	0.0	0.0	0.1
CRMS 0258	1.0	0.7	-0.9	-0.9	-1.1	0.8	1.4	2.8	-0.1	0.1	-0.2	0.2
CRMS 0224	1.4	0.9	-0.5	-0.9	-1.1	-0.8	-2.0	0.0	-0.4	-0.6	0.0	0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.1	0.3	0.4	0.7	-0.1	-0.1	0.0	0.0
CRMS 0162	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.0

Figure WQ DO 189 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.8	10.6	9.9	9.3	8.6	7.9	7.6	7.4	8.8	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.3	8.7	7.7	9.4	8.7	7.9	7.4	7.9	8.7	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.5	7.5	7.9	7.2	9.4	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.6	10.6	10.4	9.9	9.2	8.1	7.9	8.2	8.9	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	9.2	8.1	7.1	6.7	6.6	6.9	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.3	10.2	9.4	8.6	7.7	7.4	7.4	7.4	8.4	9.3	8.9
USGS 07380335 - Little Lake Near Cutoff	9.2	9.1	9.5	9.0	7.7	7.0	7.0	6.4	6.6	7.5	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.1	10.5	9.6	9.0	8.4	8.7	7.6	7.8	8.8	9.2	8.8
HWQ14 - Lake Washington	10.5	9.8	11.0	9.2	8.2	7.3	6.7	6.7	6.7	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.1	8.2	7.2	6.8	6.1	6.5	6.0	7.0	8.7	8.4
CRMS 3985	11.0	10.3	9.8	9.0	7.8	6.7	6.2	6.2	6.6	8.0	9.7	9.5
CRMS 0258	10.3	9.5	10.0	10.5	11.5	11.2	9.6	9.5	9.4	10.0	9.3	9.4
CRMS 0224	9.9	9.2	10.1	9.9	10.0	10.0	8.8	9.0	8.8	9.4	8.9	8.9
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.0	9.8	7.4	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	8.2	8.5	9.2

V3PR7 HYST - cy 4 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.3	8.3	7.9	7.1	7.0	6.6	6.3	6.9	7.9	9.0	8.2
CRMS0276 - Just east of Wilkinson Canal	9.4	9.4	9.4	8.9	8.0	8.6	7.5	8.0	7.3	7.9	8.6	9.3
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.7	8.7	7.2	8.3	8.4	7.5	7.2	9.1	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	9.4	8.7	7.5	6.8	6.6	9.1	6.9	8.3	8.8	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.7	8.9	7.4	6.9	7.3	7.8	7.2	8.5	9.7	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	9.7	8.8	7.3	6.9	6.5	8.7	7.3	8.6	9.1	9.8
USGS 07380335 - Little Lake Near Cutoff	9.5	9.3	9.8	8.9	7.4	7.9	6.9	8.1	7.0	8.1	8.7	9.9
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	9.8	9.5	8.0	9.8	8.4	8.3	7.3	8.7	9.0	9.7
HWQ14 - Lake Washington	10.7	10.0	9.7	9.6	7.9	8.1	6.3	5.9	6.3	7.7	9.5	9.6
HWQ16 - Bayou Grand Liard	8.3	8.7	9.4	8.8	7.3	7.0	6.0	5.9	6.0	6.8	8.0	8.9
CRMS 3985	11.1	10.3	9.9	9.2	7.7	8.2	7.6	6.7	6.8	7.9	9.6	9.8
CRMS 0258	10.4	9.6	10.0	9.2	8.2	10.7	12.3	10.4	9.2	10.2	9.3	10.0
CRMS 0224	10.0	9.4	9.9	9.0	7.7	8.1	7.8	9.8	8.2	8.9	8.9	10.0
CRMS 0163	10.6	10.5	9.6	8.7	7.3	6.8	8.3	9.3	7.4	8.5	9.4	9.5
CRMS 0162	9.6	9.2	8.9	8.4	7.2	6.4	6.1	6.2	6.5	7.6	8.4	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	0.5	-2.4	-2.0	-2.1	-1.6	-1.3	-1.2	-0.6	-0.9	-0.9	-1.8
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.2	0.3	-0.8	-1.2	0.0	-0.1	0.0	-0.1	0.3
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.9	0.8	-0.4	0.0	-0.3	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.3	-1.2	-1.7	-2.4	-2.4	-1.5	1.2	-1.3	-0.7	-1.1	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.1	-0.6	-0.3	-0.8	-0.1	0.6	1.2	0.2	0.0	-0.1	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.3	-0.5	-0.6	-1.3	-0.8	-0.9	1.2	-0.1	0.3	-0.1	0.9
USGS 07380335 - Little Lake Near Cutoff	0.4	0.2	0.2	-0.1	-0.3	0.9	-0.1	1.7	0.4	0.7	-0.6	1.3
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.7	-0.1	-1.0	1.4	-0.3	0.7	-0.5	-0.2	-0.2	0.9
HWQ14 - Lake Washington	0.2	0.1	-1.2	0.4	-0.3	0.7	-0.4	-0.8	-0.5	-0.5	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.3	0.6	0.2	0.2	-0.2	-0.6	-0.1	-0.2	-0.7	0.5
CRMS 3985	0.0	0.0	0.0	0.1	-0.2	1.5	1.4	0.5	0.2	-0.1	0.0	0.4
CRMS 0258	0.0	0.1	0.0	-1.3	-3.3	-0.5	2.7	0.9	-0.1	0.2	0.1	0.6
CRMS 0224	0.1	0.2	-0.2	-0.9	-2.3	-1.9	-1.0	0.9	-0.6	-0.5	0.0	1.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.2	1.3	-0.5	0.0	-0.1	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	-0.1	-0.1

Figure WQ DO 190 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	10.0	9.4	8.6	8.0	7.7	7.6	9.2	10.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.6	10.8	8.8	8.5	8.0	7.6	8.0	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.6	8.4	7.7	7.6	6.9	8.3	7.0	8.7	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.5	9.8	9.1	8.2	7.9	8.4	9.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.5	9.2	8.2	7.1	6.7	6.6	6.9	8.4	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	10.3	9.4	8.7	7.6	7.4	7.6	7.4	8.5	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.3	9.3	9.7	9.0	8.2	7.0	6.8	6.6	6.6	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.7	9.2	8.6	8.7	7.9	7.8	9.1	9.2	9.0
HWQ14 - Lake Washington	10.5	9.9	10.8	9.2	8.2	7.4	6.7	6.7	6.7	8.1	9.6	9.5
HWQ16 - Bayou Grand Liard	8.3	8.8	8.7	8.2	7.9	6.8	6.2	6.0	6.1	6.8	7.9	8.3
CRMS 3985	11.0	10.3	9.9	8.9	7.8	6.7	6.2	6.2	6.6	7.9	9.7	9.5
CRMS 0258	10.5	9.8	10.6	10.5	11.3	11.3	9.8	9.6	9.7	10.8	9.6	9.0
CRMS 0224	9.9	9.5	10.6	10.1	10.4	9.7	9.1	9.1	8.6	9.8	9.3	8.6
CRMS 0163	10.9	10.4	9.4	8.5	7.5	6.7	6.7	9.1	7.0	8.2	9.4	9.8
CRMS 0162	10.2	9.8	9.1	8.3	7.5	6.6	6.1	6.2	6.6	7.5	8.4	9.2

V3PR8 HYST - cy 4 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	9.3	8.2	7.7	7.6	7.0	6.7	6.5	6.8	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.7	9.7	9.5	8.8	9.9	8.1	7.4	7.9	7.4	7.9	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.6	8.5	9.3	9.0	8.2	8.4	7.0	8.8	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.0	9.2	8.3	7.7	6.8	6.5	8.7	7.1	9.2	8.8	8.6
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.7	8.7	7.7	7.0	6.9	8.3	7.3	8.7	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.3	9.7	8.7	7.7	6.9	6.2	8.8	7.2	8.7	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.5	10.2	9.9	8.8	8.2	7.7	6.5	8.0	7.0	7.9	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	10.5	10.1	9.9	9.5	10.6	9.5	7.9	8.4	7.2	8.5	9.0	9.1
HWQ14 - Lake Washington	10.9	10.3	9.8	9.5	9.9	7.9	6.6	6.0	6.3	7.8	9.5	9.4
HWQ16 - Bayou Grand Liard	8.7	9.3	9.5	8.8	8.4	6.7	6.0	5.7	5.9	6.7	8.0	8.4
CRMS 3985	11.2	10.5	9.9	9.0	8.7	8.2	7.7	6.8	6.9	8.0	9.6	9.5
CRMS 0258	11.1	10.4	10.1	9.0	9.0	10.8	9.9	12.1	9.7	10.7	9.4	9.0
CRMS 0224	11.1	10.3	10.0	8.9	8.4	8.0	6.7	10.4	8.1	9.2	9.0	8.7
CRMS 0163	10.8	10.4	9.5	8.5	7.5	7.3	7.9	10.1	6.9	8.2	9.4	9.8
CRMS 0162	10.0	9.7	9.0	8.3	7.4	6.5	6.0	6.2	6.5	7.4	8.3	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-0.6	-2.6	-2.3	-1.8	-1.6	-1.3	-1.2	-0.9	-1.4	-1.0	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.2	0.0	0.1	0.2	-0.9	-0.8	-1.1	-0.1	-0.2	-0.1	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.1	1.6	1.4	1.3	0.1	0.0	0.1	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.2	-1.8	-2.1	-2.1	-2.2	-1.6	0.8	-1.4	-0.1	-1.2	-1.0
USGS7380251 Barataria Bay North of Grand Isle	0.5	0.4	-0.7	-0.5	-0.5	-0.2	0.2	1.7	0.4	0.3	-0.1	-0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.4	0.8	-0.6	-0.7	-1.0	-0.7	-1.2	1.2	-0.2	0.1	0.1	0.3
USGS 07380335 - Little Lake Near Cutoff	1.2	0.9	0.2	-0.2	0.0	0.7	-0.3	1.5	0.4	0.4	0.2	0.2
USGS073802516 Barataria Pass at Grand Isle	1.0	0.8	-0.6	-0.2	1.4	0.9	-0.8	0.5	-0.6	-0.6	-0.2	0.1
HWQ14 - Lake Washington	0.4	0.4	-0.9	0.3	1.6	0.6	-0.1	-0.7	-0.4	-0.2	-0.2	-0.1
HWQ16 - Bayou Grand Liard	0.4	0.4	0.8	0.6	0.5	-0.1	-0.2	-0.3	-0.1	-0.1	0.1	0.1
CRMS 3985	0.2	0.2	0.0	0.1	0.8	1.4	1.5	0.6	0.3	0.1	-0.1	0.0
CRMS 0258	0.7	0.5	-0.5	-1.5	-2.3	-0.5	0.1	2.5	0.0	-0.1	-0.2	-0.1
CRMS 0224	1.1	0.8	-0.6	-1.2	-2.1	-1.8	-2.3	1.2	-0.5	-0.5	-0.3	0.1
CRMS 0163	-0.1	0.0	0.1	0.0	0.0	0.6	1.2	1.0	0.0	0.0	0.0	0.0
CRMS 0162	-0.1	0.0	-0.1	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0

Figure WQ DO 191 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.1	9.4	8.5	7.6	7.2	7.2	8.6	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.5	9.2	9.4	9.2	8.1	7.2	7.0	7.7	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.6	7.6	9.4	7.9	8.0	7.2	9.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.6	9.9	9.0	8.0	7.7	8.0	8.7	9.8	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.1	8.2	7.0	6.6	6.7	6.9	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.7	7.6	7.3	7.0	7.2	8.2	9.3	8.8
USGS 07380335 - Little Lake Near Cutoff	9.3	9.4	10.2	9.3	8.1	7.1	6.8	6.2	6.4	7.5	9.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.8	9.2	8.5	8.4	6.8	7.6	8.5	9.1	8.7
HWQ14 - Lake Washington	10.5	9.8	10.7	9.2	8.2	7.3	6.7	6.4	6.7	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.3	9.0	8.9	8.6	7.6	6.5	6.5	8.4	6.2	7.7	8.8	8.1
CRMS 3985	11.0	10.2	10.0	8.8	7.8	6.7	6.2	6.3	6.6	8.0	9.6	9.4
CRMS 0258	10.4	10.0	11.0	10.7	11.3	10.8	8.8	8.1	8.8	9.7	9.2	9.4
CRMS 0224	9.9	9.6	10.7	10.4	10.2	9.6	8.6	8.5	8.3	9.3	9.1	8.8
CRMS 0163	10.9	10.2	9.3	8.7	7.6	8.7	8.9	10.2	7.2	9.2	9.4	9.7
CRMS 0162	10.1	9.7	9.1	8.4	7.5	6.9	6.4	6.5	8.1	9.3	8.5	9.2

V3PR8 HYST - cy 4 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.7	8.5	8.2	8.0	7.6	6.9	6.4	6.4	6.9	7.9	9.1	8.7
CRMS0276 - Just east of Wilkinson Canal	9.6	10.1	9.6	9.7	9.5	8.8	7.7	7.1	6.8	7.6	8.7	8.9
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.6	8.8	8.4	9.7	8.4	8.4	7.8	9.6	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.8	9.0	8.6	7.7	8.9	8.3	7.0	5.5	7.2	8.6	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.6	8.8	7.7	8.8	7.3	6.8	7.0	8.6	9.8	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.5	9.6	8.8	7.7	9.0	7.8	7.1	7.0	8.6	9.2	9.7
USGS 07380335 - Little Lake Near Cutoff	10.5	10.7	9.8	9.0	8.0	9.4	8.0	6.7	6.7	8.1	9.1	9.3
USGS073802516 Barataria Pass at Grand Isle	10.5	10.6	9.8	10.1	9.9	9.1	8.2	6.6	7.0	8.5	9.2	9.4
HWQ14 - Lake Washington	10.9	10.5	9.8	10.1	9.4	7.9	6.3	6.0	6.4	7.8	9.5	9.5
HWQ16 - Bayou Grand Liard	8.7	9.9	9.6	9.2	8.0	6.5	6.2	8.3	6.0	7.1	8.5	8.3
CRMS 3985	11.2	10.6	9.9	9.2	8.5	7.2	6.5	6.5	6.7	7.9	9.6	9.6
CRMS 0258	11.0	10.7	10.0	9.2	8.8	11.0	8.8	8.0	8.5	9.5	9.2	9.7
CRMS 0224	10.9	10.7	9.9	9.0	8.3	10.8	8.3	8.1	7.7	8.9	8.9	9.5
CRMS 0163	10.8	10.3	9.4	8.7	7.6	8.5	8.6	9.7	7.3	8.7	9.3	9.7
CRMS 0162	10.0	9.7	8.9	8.3	7.5	6.8	6.3	6.4	7.4	9.3	8.4	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.3	-1.4	-2.7	-2.1	-1.8	-1.7	-1.2	-0.7	-0.2	-0.6	-0.8	-1.2
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.1	0.6	0.2	-0.4	-0.3	-0.1	-0.2	-0.1	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.1	0.1	0.1	0.8	0.4	0.4	0.3	0.6	0.2	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.0	-2.1	-2.0	-2.2	-0.2	0.2	-0.7	-2.5	-1.5	-1.3	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.5	-1.0	-0.3	-0.5	1.8	0.7	0.0	0.1	0.1	0.1	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.2	1.0	-0.8	-0.6	-1.0	1.4	0.5	0.2	-0.2	0.4	-0.1	0.9
USGS 07380335 - Little Lake Near Cutoff	1.2	1.3	-0.3	-0.4	-0.1	2.3	1.1	0.5	0.3	0.6	-0.3	0.9
USGS073802516 Barataria Pass at Grand Isle	0.9	1.3	-0.7	0.4	0.7	0.7	-0.2	-0.2	-0.6	-0.1	0.1	0.7
HWQ14 - Lake Washington	0.4	0.7	-0.9	0.9	1.2	0.5	-0.3	-0.4	-0.3	-0.3	0.0	0.1
HWQ16 - Bayou Grand Liard	0.4	0.8	0.8	0.6	0.4	0.0	-0.3	-0.2	-0.2	-0.6	-0.2	0.2
CRMS 3985	0.2	0.4	-0.2	0.4	0.6	0.5	0.3	0.1	0.1	-0.1	0.0	0.2
CRMS 0258	0.5	0.8	-0.9	-1.5	-2.4	0.2	0.0	-0.1	-0.3	-0.2	0.0	0.3
CRMS 0224	0.9	1.1	-0.7	-1.4	-1.9	1.2	-0.2	-0.4	-0.6	-0.4	-0.2	0.7
CRMS 0163	-0.1	0.1	0.1	0.0	0.0	-0.3	-0.3	-0.4	0.1	-0.5	0.0	0.0
CRMS 0162	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	-0.8	0.0	0.0	0.0

Figure WQ DO 192 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.9	10.7	9.7	8.8	7.6	7.2	6.9	7.1	8.4	10.0	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.3	8.8	8.3	7.9	7.6	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.5	9.9	8.9	7.9	7.6	9.2	9.3	6.6	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	10.8	10.2	9.4	8.6	7.8	7.6	7.6	8.4	9.9	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.4	9.2	7.9	6.8	6.9	7.0	7.0	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	10.3	9.3	8.6	7.5	7.2	6.7	7.1	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.2	9.2	9.9	8.9	8.1	7.1	6.7	6.9	6.7	7.5	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	9.6	9.2	10.4	9.6	9.3	8.1	8.0	6.5	7.4	8.1	8.9	8.9
HWQ14 - Lake Washington	10.5	9.8	10.9	9.3	8.2	7.3	6.7	6.6	6.8	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	8.8	8.5	8.0	7.1	6.5	7.5	8.2	7.2	8.3	8.2	8.0
CRMS 3985	11.0	10.3	9.9	9.2	7.8	6.8	6.5	6.6	6.8	7.9	9.6	9.5
CRMS 0258	10.3	9.8	10.5	10.3	10.8	9.8	8.0	7.7	8.0	9.6	9.5	9.7
CRMS 0224	9.9	9.5	10.3	9.8	9.7	9.2	8.3	7.7	7.7	7.9	8.9	9.1
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.5	10.3	7.7	8.0	9.3	9.6
CRMS 0162	9.6	9.8	9.0	8.4	7.8	7.3	7.0	8.2	8.0	8.4	8.6	9.1

V3PR8 HYST - cy 4 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.2	9.2	8.7	7.6	6.8	6.5	6.6	7.1	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.4	8.8	8.7	7.8	7.5	7.0	6.6	7.5	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.8	8.9	8.0	7.8	9.2	9.1	7.9	8.4	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	10.5	9.6	9.2	8.5	7.2	7.4	6.8	5.5	6.9	8.8	8.7
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.6	9.9	9.4	8.6	7.6	6.8	6.7	7.1	8.6	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.7	10.2	9.6	8.5	8.2	7.6	6.9	6.9	8.4	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.6	10.4	10.5	9.5	8.3	8.4	7.7	6.6	7.0	7.7	8.8	8.9
USGS073802516 Barataria Pass at Grand Isle	9.8	10.2	10.8	9.5	9.0	8.4	8.0	6.6	7.1	8.2	9.1	9.2
HWQ14 - Lake Washington	10.7	10.3	10.8	9.4	8.3	7.3	6.4	6.1	6.5	7.9	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	9.2	8.8	8.2	7.4	6.4	7.3	8.1	6.7	7.8	8.1	8.0
CRMS 3985	11.1	10.4	9.9	9.0	8.2	6.9	6.3	6.3	6.8	8.0	9.7	9.5
CRMS 0258	10.4	10.4	10.9	10.2	11.3	9.0	7.7	7.6	7.7	9.1	9.6	9.4
CRMS 0224	10.1	10.5	10.5	9.7	10.2	8.6	7.8	7.5	7.2	8.4	9.0	9.0
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.2	10.2	10.2	8.3	8.1	9.3	9.6
CRMS 0162	9.6	9.7	9.0	8.4	7.8	7.4	6.8	8.1	8.4	7.8	8.6	9.0

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.3	-0.7	-1.5	-1.0	-1.2	-0.7	-0.7	-0.4	0.0	-0.5	-0.9	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.3	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	-0.1	0.0	0.1	0.2	0.0	-0.2	1.3	0.2	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.7	-1.2	-1.0	-0.9	-1.4	-0.4	-0.9	-2.1	-1.5	-1.1	-1.0
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.4	0.2	0.7	0.7	-0.1	-0.3	0.2	0.1	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	1.3	-0.1	0.3	0.0	0.7	0.4	0.2	-0.2	0.5	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.4	1.1	0.6	0.6	0.2	1.3	1.0	-0.3	0.3	0.3	0.0	0.3
USGS073802516 Barataria Pass at Grand Isle	0.2	1.0	0.4	-0.1	-0.3	0.2	0.0	0.1	-0.3	0.1	0.2	0.3
HWQ14 - Lake Washington	0.2	0.5	-0.1	0.1	0.0	0.0	-0.3	-0.4	-0.3	-0.3	0.1	0.0
HWQ16 - Bayou Grand Liard	0.1	0.4	0.3	0.2	0.3	-0.1	-0.2	0.0	-0.5	-0.4	-0.1	0.1
CRMS 3985	0.1	0.2	0.0	-0.2	0.4	0.1	-0.2	-0.3	0.0	0.1	0.0	0.0
CRMS 0258	0.1	0.6	0.4	-0.1	0.5	-0.7	-0.3	-0.1	-0.3	-0.4	0.1	-0.3
CRMS 0224	0.2	1.1	0.2	-0.1	0.5	-0.6	-0.5	-0.2	-0.5	0.5	0.1	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	-0.1	-1.3	-0.1	0.6	0.1	0.0	0.0
CRMS 0162	0.0	-0.1	0.0	0.0	0.0	0.1	-0.2	-0.1	0.4	-0.5	0.0	-0.1

Figure WQ DO 193 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.0	9.1	8.3	8.0	8.0	7.8	9.0	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.7	9.1	8.6	8.3	8.0	8.1	7.2	8.1	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.8	7.9	7.3	6.7	6.8	7.0	8.5	9.5	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.9	11.0	10.5	9.6	9.2	8.1	8.1	8.3	9.0	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.2	8.1	7.0	6.9	7.0	7.0	8.5	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.5	7.6	7.3	7.4	7.4	8.4	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.5	10.4	9.3	8.0	6.9	6.6	6.5	6.5	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.4	10.5	9.8	9.2	8.4	8.3	7.8	7.8	9.0	9.1	8.9
HWQ14 - Lake Washington	10.5	9.8	10.6	9.2	8.2	7.2	6.5	6.4	6.7	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	8.5	9.2	8.9	8.4	7.3	6.6	6.1	5.8	6.1	6.9	7.9	8.2
CRMS 3985	11.0	10.2	10.1	8.8	7.8	6.6	6.2	6.4	6.6	7.9	9.7	9.4
CRMS 0258	10.5	10.0	11.1	10.8	11.3	11.3	9.5	9.7	9.7	10.2	9.6	9.1
CRMS 0224	10.0	9.7	10.6	10.4	10.1	9.8	8.8	9.0	8.8	9.5	9.1	8.7
CRMS 0163	10.8	10.1	9.5	8.7	7.7	6.9	6.6	7.6	7.1	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.1	8.4	7.8	6.7	6.2	6.2	6.5	7.4	8.4	8.8

V3PR8 HYST - cy 4 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.9	8.5	8.3	8.0	7.6	6.9	6.6	6.6	6.9	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.3	10.2	9.8	9.7	8.6	7.6	7.0	7.4	7.0	7.9	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.3	9.7	8.9	8.5	8.1	7.5	7.2	7.0	8.6	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.5	9.5	8.7	7.8	6.8	6.4	9.2	6.8	7.8	8.6	8.6
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.8	9.1	7.9	7.1	6.9	7.7	7.3	8.5	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.4	9.8	9.0	7.9	7.0	6.1	7.1	7.4	8.6	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	11.1	10.7	10.0	9.3	8.4	7.5	6.2	6.7	7.0	8.2	8.8	8.7
USGS073802516 Barataria Pass at Grand Isle	11.0	10.6	9.9	10.3	8.7	8.7	7.5	7.8	7.3	8.7	9.0	9.1
HWQ14 - Lake Washington	11.0	10.5	9.9	10.3	8.3	7.4	6.3	6.0	6.3	7.7	9.5	9.4
HWQ16 - Bayou Grand Liard	9.4	10.0	9.7	9.1	7.4	6.6	6.1	5.9	5.9	6.8	7.9	8.1
CRMS 3985	11.3	10.6	9.9	9.4	8.1	7.6	7.4	7.0	6.8	7.9	9.6	9.5
CRMS 0258	11.5	10.7	10.2	9.9	9.9	11.7	11.1	12.2	9.4	10.2	9.4	9.1
CRMS 0224	11.4	10.7	10.1	9.4	8.9	8.7	6.6	8.8	8.3	8.9	9.0	8.8
CRMS 0163	10.8	10.2	9.6	8.7	7.9	7.2	7.3	8.8	7.1	8.3	9.4	9.7
CRMS 0162	10.1	9.6	8.9	8.3	7.8	6.6	6.1	6.1	6.5	7.4	8.3	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.1	-1.5	-2.6	-2.0	-1.5	-1.4	-1.4	-1.4	-0.9	-1.1	-0.9	-0.2
CRMS0276 - Just east of Wilkinson Canal	0.6	0.2	0.1	0.6	0.0	-0.7	-1.0	-0.6	-0.2	-0.2	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.1	0.6	0.8	0.8	0.4	0.0	0.1	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.2	-0.4	-1.5	-1.8	-1.8	-2.4	-1.8	1.1	-1.6	-1.3	-1.3	-1.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.3	-0.8	-0.1	-0.2	0.2	0.0	0.6	0.3	0.0	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.4	0.9	-0.6	-0.4	-0.6	-0.7	-1.2	-0.3	0.0	0.2	0.2	0.3
USGS 07380335 - Little Lake Near Cutoff	1.7	1.2	-0.5	0.0	0.3	0.6	-0.4	0.2	0.5	0.7	0.2	0.3
USGS073802516 Barataria Pass at Grand Isle	1.4	1.2	-0.5	0.5	-0.6	0.3	-0.8	0.0	-0.4	-0.3	0.0	0.2
HWQ14 - Lake Washington	0.5	0.7	-0.7	1.1	0.1	0.1	-0.1	-0.4	-0.3	-0.4	-0.1	-0.2
HWQ16 - Bayou Grand Liard	0.9	0.9	0.8	0.7	0.1	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1
CRMS 3985	0.3	0.3	-0.2	0.6	0.3	1.0	1.2	0.7	0.2	0.0	0.0	0.0
CRMS 0258	1.0	0.7	-0.9	-0.9	-1.4	0.4	1.5	2.4	-0.2	0.0	-0.2	0.0
CRMS 0224	1.4	0.9	-0.5	-1.0	-1.2	-1.0	-2.1	-0.2	-0.5	-0.7	-0.1	0.1
CRMS 0163	0.0	0.1	0.0	0.0	0.1	0.4	0.7	1.2	-0.1	-0.1	0.0	0.0
CRMS 0162	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	0.0	0.0	-0.1	0.0

Figure WQ DO 194 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.8	10.6	9.9	9.3	8.6	7.9	7.6	7.4	8.8	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.3	8.7	7.7	9.4	8.7	7.9	7.4	7.9	8.7	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.5	7.5	7.9	7.2	9.4	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.6	10.6	10.4	9.9	9.2	8.1	7.9	8.2	8.9	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	9.2	8.1	7.1	6.7	6.6	6.9	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.3	10.2	9.4	8.6	7.7	7.4	7.4	7.4	8.4	9.3	8.9
USGS 07380335 - Little Lake Near Cutoff	9.2	9.1	9.5	9.0	7.7	7.0	7.0	6.4	6.6	7.5	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.1	10.5	9.6	9.0	8.4	8.7	7.6	7.8	8.8	9.2	8.8
HWQ14 - Lake Washington	10.5	9.8	11.0	9.2	8.2	7.3	6.7	6.7	6.7	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.1	8.2	7.2	6.8	6.1	6.5	6.0	7.0	8.7	8.4
CRMS 3985	11.0	10.3	9.8	9.0	7.8	6.7	6.2	6.2	6.6	8.0	9.7	9.5
CRMS 0258	10.3	9.5	10.0	10.5	11.5	11.2	9.6	9.5	9.4	10.0	9.3	9.4
CRMS 0224	9.9	9.2	10.1	9.9	10.0	10.0	8.8	9.0	8.8	9.4	8.9	8.9
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.0	9.8	7.4	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	8.2	8.5	9.2

V3PR8 HYST - cy 4 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.3	8.3	7.9	7.2	7.0	6.6	6.4	6.9	7.9	9.0	8.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.3	8.9	8.0	8.6	7.4	7.9	7.2	7.8	8.7	9.2
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.7	8.7	7.3	9.4	8.8	7.9	7.5	9.3	9.7	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	9.3	8.7	7.4	6.8	6.8	7.9	6.3	7.8	8.7	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.2	9.7	8.9	7.4	7.0	7.4	7.8	7.1	8.6	9.7	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	9.5	9.7	8.8	7.3	6.9	6.5	8.6	7.2	8.6	9.1	9.8
USGS 07380335 - Little Lake Near Cutoff	9.5	9.2	9.8	8.9	7.4	7.9	6.9	8.2	7.0	8.2	9.0	9.9
USGS073802516 Barataria Pass at Grand Isle	9.8	9.3	9.8	9.6	8.0	9.8	8.4	8.3	7.2	8.7	9.1	9.7
HWQ14 - Lake Washington	10.7	10.0	9.8	9.6	8.0	8.2	6.4	5.9	6.3	7.7	9.5	9.6
HWQ16 - Bayou Grand Liard	8.3	8.7	9.4	8.8	7.3	7.0	6.0	5.9	5.9	6.8	8.6	9.0
CRMS 3985	11.1	10.3	9.9	9.2	7.7	8.3	7.7	6.6	6.8	7.9	9.6	9.9
CRMS 0258	10.3	9.5	10.0	9.2	8.0	9.8	12.0	10.2	9.1	10.1	9.2	10.0
CRMS 0224	10.0	9.3	9.9	9.0	7.7	7.8	7.5	9.8	8.1	8.9	8.9	9.9
CRMS 0163	10.6	10.5	9.6	8.8	7.4	6.9	9.1	9.6	7.3	8.4	9.4	9.6
CRMS 0162	9.6	9.2	8.9	8.4	7.2	6.4	6.1	6.2	6.5	7.6	8.4	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	0.5	-2.4	-2.0	-2.1	-1.6	-1.3	-1.2	-0.5	-0.9	-0.9	-1.8
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.1	0.2	0.3	-0.8	-1.3	0.0	-0.2	-0.1	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.2	1.9	1.3	0.1	0.3	-0.1	0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.0	-1.3	-1.7	-2.4	-2.4	-1.4	0.1	-1.9	-1.1	-1.2	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.1	-0.6	-0.3	-0.8	0.0	0.7	1.2	0.2	0.1	0.0	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.5	0.3	-0.5	-0.6	-1.3	-0.8	-0.9	1.1	-0.2	0.3	-0.1	0.9
USGS 07380335 - Little Lake Near Cutoff	0.4	0.2	0.2	-0.1	-0.3	0.9	0.0	1.7	0.5	0.7	-0.3	1.3
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.7	0.0	-1.0	1.4	-0.3	0.7	-0.6	-0.2	-0.1	0.9
HWQ14 - Lake Washington	0.2	0.2	-1.2	0.4	-0.3	0.9	-0.3	-0.8	-0.4	-0.5	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.0	0.3	0.6	0.2	0.2	-0.1	-0.6	-0.1	-0.2	-0.2	0.5
CRMS 3985	0.0	0.0	0.0	0.1	-0.1	1.6	1.5	0.4	0.2	-0.1	0.0	0.4
CRMS 0258	0.0	0.0	-0.1	-1.3	-3.5	-1.4	2.4	0.7	-0.3	0.0	-0.1	0.6
CRMS 0224	0.1	0.1	-0.2	-0.9	-2.4	-2.2	-1.3	0.9	-0.7	-0.5	-0.1	1.1
CRMS 0163	0.0	0.0	0.1	0.0	0.0	0.3	2.1	-0.3	-0.1	-0.1	0.0	0.1
CRMS 0162	0.0	0.0	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	0.0	-0.6	-0.1	-0.1

Figure WQ DO 195 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	10.0	9.4	8.6	8.0	7.7	7.6	9.2	10.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.6	10.8	8.8	8.5	8.0	7.6	8.0	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.6	8.4	7.7	7.6	6.9	8.3	7.0	8.7	9.8	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.5	9.8	9.1	8.2	7.9	8.4	9.3	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.5	9.2	8.2	7.1	6.7	6.6	6.9	8.4	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	10.3	9.4	8.7	7.6	7.4	7.6	7.4	8.5	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.3	9.3	9.7	9.0	8.2	7.0	6.8	6.6	6.6	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.7	9.2	8.6	8.7	7.9	7.8	9.1	9.2	9.0
HWQ14 - Lake Washington	10.5	9.9	10.8	9.2	8.2	7.4	6.7	6.7	6.7	8.1	9.6	9.5
HWQ16 - Bayou Grand Liard	8.3	8.8	8.7	8.2	7.9	6.8	6.2	6.0	6.1	6.8	7.9	8.3
CRMS 3985	11.0	10.3	9.9	8.9	7.8	6.7	6.2	6.2	6.6	7.9	9.7	9.5
CRMS 0258	10.5	9.8	10.6	10.5	11.3	11.3	9.8	9.6	9.7	10.8	9.6	9.0
CRMS 0224	9.9	9.5	10.6	10.1	10.4	9.7	9.1	9.1	8.6	9.8	9.3	8.6
CRMS 0163	10.9	10.4	9.4	8.5	7.5	6.7	6.7	9.1	7.0	8.2	9.4	9.8
CRMS 0162	10.2	9.8	9.1	8.3	7.5	6.6	6.1	6.2	6.6	7.5	8.4	9.2

V3PR9 HYST - cy 4 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	10.0	9.3	8.5	7.8	7.5	7.5	9.1	10.0	9.5
CRMS0276 - Just east of Wilkinson Canal	9.4	9.6	9.3	8.6	10.9	9.0	8.5	7.8	7.4	7.8	8.9	8.9
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.6	8.5	8.7	8.9	7.6	8.4	7.2	9.1	10.0	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	10.9	10.4	9.7	9.0	8.1	7.9	8.3	9.2	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.4	9.2	8.2	7.1	6.6	6.5	6.9	8.4	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	10.3	9.4	8.6	7.6	7.4	7.5	7.4	8.5	9.0	8.7
USGS 07380335 - Little Lake Near Cutoff	9.2	9.2	9.7	9.0	8.1	7.0	6.8	6.5	6.5	7.4	9.0	8.7
USGS073802516 Barataria Pass at Grand Isle	9.6	9.2	10.5	9.7	9.2	8.6	8.7	7.7	7.7	9.0	9.3	8.8
HWQ14 - Lake Washington	10.5	9.9	10.8	9.2	8.2	7.4	6.7	6.6	6.7	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	8.2	8.8	8.7	8.2	7.8	6.8	6.1	6.4	6.0	6.8	8.4	8.8
CRMS 3985	11.0	10.3	9.9	8.9	7.8	6.7	6.2	6.2	6.6	7.9	9.7	9.5
CRMS 0258	10.4	9.7	10.6	10.5	11.2	11.1	9.6	9.5	9.6	10.6	9.6	8.8
CRMS 0224	9.9	9.4	10.5	10.1	10.4	9.7	9.0	9.1	8.6	9.7	9.2	8.5
CRMS 0163	10.8	10.4	9.5	8.5	7.5	6.8	6.9	9.7	7.0	8.2	9.5	9.8
CRMS 0162	10.1	9.8	9.1	8.3	7.4	6.6	6.1	6.2	6.6	7.4	8.4	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	-0.1	0.0	-0.1	-0.1	-0.1	-0.2	-0.1	-0.1	0.0	-0.1
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.1	-0.1	0.0	0.2	0.2	0.0	-0.2	-0.3	-0.2	0.3	0.3
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.1	0.0	0.0	1.1	1.4	0.7	0.1	0.2	0.4	0.2	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.2
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	0.0	0.0	-0.1	0.0	0.1	-0.1	-0.1	-0.1	0.4	0.2
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	-0.1	-0.1	0.1	-0.2
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	-0.1	0.0	0.0	-0.1	0.0	-0.1	0.4	0.0	0.0	0.5	0.4
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
CRMS 0258	0.0	-0.1	0.0	0.0	0.0	-0.3	-0.1	-0.1	-0.1	-0.2	0.1	-0.3
CRMS 0224	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.2
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.1	0.2	0.5	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0

Figure WQ DO 196 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.1	9.4	8.5	7.6	7.2	7.2	8.6	9.9	9.9
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.5	9.2	9.4	9.2	8.1	7.2	7.0	7.7	8.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.5	8.6	7.6	9.4	7.9	8.0	7.2	9.4	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.6	9.9	9.0	8.0	7.7	8.0	8.7	9.8	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.1	8.2	7.0	6.6	6.7	6.9	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.7	7.6	7.3	7.0	7.2	8.2	9.3	8.8
USGS 07380335 - Little Lake Near Cutoff	9.3	9.4	10.2	9.3	8.1	7.1	6.8	6.2	6.4	7.5	9.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.5	9.8	9.2	8.5	8.4	6.8	7.6	8.5	9.1	8.7
HWQ14 - Lake Washington	10.5	9.8	10.7	9.2	8.2	7.3	6.7	6.4	6.7	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.3	9.0	8.9	8.6	7.6	6.5	6.5	8.4	6.2	7.7	8.8	8.1
CRMS 3985	11.0	10.2	10.0	8.8	7.8	6.7	6.2	6.3	6.6	8.0	9.6	9.4
CRMS 0258	10.4	10.0	11.0	10.7	11.3	10.8	8.8	8.1	8.8	9.7	9.2	9.4
CRMS 0224	9.9	9.6	10.7	10.4	10.2	9.6	8.6	8.5	8.3	9.3	9.1	8.8
CRMS 0163	10.9	10.2	9.3	8.7	7.6	8.7	8.9	10.2	7.2	9.2	9.4	9.7
CRMS 0162	10.1	9.7	9.1	8.4	7.5	6.9	6.4	6.5	8.1	9.3	8.5	9.2

V3PR9 HYST - cy 4 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	10.0	9.3	8.5	7.5	7.1	7.2	8.5	9.8	9.7
CRMS0276 - Just east of Wilkinson Canal	9.4	9.8	9.4	9.4	9.6	9.2	7.9	7.1	6.8	8.2	9.3	8.6
Barataria Waterway at Lafitte (USACE82875)	10.5	10.3	9.6	8.7	8.1	9.7	8.6	8.7	8.3	9.2	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	11.0	10.5	9.8	9.0	8.0	7.7	7.9	8.7	9.8	9.4
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.1	8.1	7.0	6.5	6.7	6.9	8.5	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	10.4	9.3	8.7	7.6	7.3	6.9	7.1	8.0	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.3	9.3	10.2	9.3	8.1	7.1	6.9	6.2	6.5	7.4	9.1	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.6	9.8	9.2	8.5	8.4	6.9	7.5	8.4	9.0	8.6
HWQ14 - Lake Washington	10.5	9.9	10.7	9.2	8.2	7.3	6.6	6.3	6.6	8.1	9.5	9.4
HWQ16 - Bayou Grand Liard	8.3	9.0	8.8	8.5	7.6	6.5	6.7	8.5	6.5	8.1	8.9	8.2
CRMS 3985	11.0	10.3	10.0	8.9	7.8	6.7	6.2	6.3	6.6	8.0	9.6	9.4
CRMS 0258	10.4	9.9	10.9	10.7	11.2	10.6	8.7	8.2	8.5	9.5	9.8	9.1
CRMS 0224	9.9	9.6	10.6	10.4	10.2	9.5	8.5	8.5	8.1	8.7	9.4	8.7
CRMS 0163	10.8	10.2	9.4	8.7	7.6	8.8	9.5	10.4	7.4	9.0	9.4	9.7
CRMS 0162	10.1	9.7	9.1	8.4	7.5	6.9	6.5	6.8	8.2	9.1	8.5	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.1	-0.1	0.2	0.3	0.0	-0.2	-0.2	-0.2	0.5	0.6	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.0	0.1	0.0	0.4	0.4	0.6	0.7	1.1	-0.2	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.2	-0.2	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	0.0	-0.1	0.0	0.1	0.0	0.0	0.0	-0.1	-0.2	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.1	-0.1	-0.1	-0.1	-0.1
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	-0.1	-0.1	-0.1	0.0	0.0	0.1	0.1	0.3	0.4	0.1	0.1
CRMS 3985	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.1	0.0	0.0	-0.1	-0.2	-0.1	0.0	-0.3	-0.2	0.7	-0.3
CRMS 0224	0.0	-0.1	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.2	-0.5	0.3	-0.1
CRMS 0163	-0.1	0.0	0.0	0.0	0.0	0.0	0.6	0.2	0.1	-0.2	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.2	0.0	0.0

Figure WQ DO 197 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.9	10.7	9.7	8.8	7.6	7.2	6.9	7.1	8.4	10.0	10.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.3	8.8	8.3	7.9	7.6	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.5	9.9	8.9	7.9	7.6	9.2	9.3	6.6	8.3	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	10.8	10.2	9.4	8.6	7.8	7.6	7.6	8.4	9.9	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.4	9.2	7.9	6.8	6.9	7.0	7.0	8.5	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	10.3	9.3	8.6	7.5	7.2	6.7	7.1	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.2	9.2	9.9	8.9	8.1	7.1	6.7	6.9	6.7	7.5	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	9.6	9.2	10.4	9.6	9.3	8.1	8.0	6.5	7.4	8.1	8.9	8.9
HWQ14 - Lake Washington	10.5	9.8	10.9	9.3	8.2	7.3	6.7	6.6	6.8	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	8.8	8.5	8.0	7.1	6.5	7.5	8.2	7.2	8.3	8.2	8.0
CRMS 3985	11.0	10.3	9.9	9.2	7.8	6.8	6.5	6.6	6.8	7.9	9.6	9.5
CRMS 0258	10.3	9.8	10.5	10.3	10.8	9.8	8.0	7.7	8.0	9.6	9.5	9.7
CRMS 0224	9.9	9.5	10.3	9.8	9.7	9.2	8.3	7.7	7.7	7.9	8.9	9.1
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.5	10.3	7.7	8.0	9.3	9.6
CRMS 0162	9.6	9.8	9.0	8.4	7.8	7.3	7.0	8.2	8.0	8.4	8.6	9.1

V3PR9 HYST - cy 4 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.8	10.6	9.7	8.8	7.5	7.2	7.0	7.1	8.4	10.0	10.2
CRMS0276 - Just east of Wilkinson Canal	9.2	9.5	9.1	8.7	8.3	7.6	7.3	7.2	6.7	7.8	8.8	8.6
Barataria Waterway at Lafitte (USACE82875)	10.3	10.3	9.8	8.9	8.0	8.1	9.2	8.8	7.0	8.6	9.4	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.7	10.7	10.1	9.3	8.5	7.8	7.6	7.6	8.5	9.9	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.0	10.3	9.3	8.1	6.9	6.9	7.0	7.0	8.4	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.3	10.3	9.2	8.5	7.5	7.2	6.6	7.1	7.8	8.9	9.0
USGS 07380335 - Little Lake Near Cutoff	9.2	9.2	9.8	8.9	8.1	7.1	6.6	6.8	6.6	7.5	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.2	10.4	9.5	9.3	8.1	8.0	6.5	7.3	8.0	8.8	8.8
HWQ14 - Lake Washington	10.5	9.8	10.9	9.4	8.4	7.3	6.6	6.4	6.7	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	8.7	8.6	7.9	7.1	6.5	7.5	8.1	7.1	8.1	8.3	7.9
CRMS 3985	11.0	10.3	9.9	9.0	7.8	6.8	6.5	6.6	6.8	7.9	9.6	9.5
CRMS 0258	10.3	9.7	10.4	10.3	10.6	9.7	8.0	7.6	7.9	8.9	9.2	9.5
CRMS 0224	9.9	9.4	10.1	9.8	9.6	9.1	8.3	7.6	7.8	7.6	9.1	9.0
CRMS 0163	10.7	10.5	9.9	8.9	7.9	7.3	11.7	10.4	7.6	8.1	9.3	9.7
CRMS 0162	9.6	9.7	9.0	8.4	7.9	7.5	7.1	8.1	7.9	8.4	8.6	9.1

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	-0.1	-0.1	0.0	0.0	0.1	0.1	0.0	0.0	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	-0.2	-0.1	0.0	-0.3	-0.2	0.0	0.1	0.3	0.0	-0.1
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.1	-0.1	0.0	0.1	0.5	0.0	-0.4	0.4	0.3	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	0.1	-0.1	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.1	0.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	0.0	-0.1	-0.2	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.1	0.1	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1
HWQ14 - Lake Washington	0.0	0.0	0.0	0.1	0.1	0.0	-0.1	-0.2	-0.1	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	-0.1	0.1	-0.1	0.0	0.0	0.1	0.0	-0.1	-0.1	0.1	0.0
CRMS 3985	0.0	0.0	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.1	-0.1	0.0	-0.2	-0.1	0.0	-0.1	-0.2	-0.7	-0.3	-0.2
CRMS 0224	0.0	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	-0.3	0.2	-0.2
CRMS 0163	-0.1	0.0	0.0	0.0	0.0	0.0	0.2	0.1	-0.1	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.1	0.2	0.1	-0.1	-0.1	0.0	0.0	0.0

Figure WQ DO 198 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.9	10.0	9.1	8.3	8.0	8.0	7.8	9.0	10.0	9.7
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.7	9.1	8.6	8.3	8.0	8.1	7.2	8.1	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.8	7.9	7.3	6.7	6.8	7.0	8.5	9.5	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.9	11.0	10.5	9.6	9.2	8.1	8.1	8.3	9.0	10.0	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.6	9.2	8.1	7.0	6.9	7.0	7.0	8.5	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.4	9.4	8.5	7.6	7.3	7.4	7.4	8.4	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.4	9.5	10.4	9.3	8.0	6.9	6.6	6.5	6.5	7.5	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.4	10.5	9.8	9.2	8.4	8.3	7.8	7.8	9.0	9.1	8.9
HWQ14 - Lake Washington	10.5	9.8	10.6	9.2	8.2	7.2	6.5	6.4	6.7	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	8.5	9.2	8.9	8.4	7.3	6.6	6.1	5.8	6.1	6.9	7.9	8.2
CRMS 3985	11.0	10.2	10.1	8.8	7.8	6.6	6.2	6.4	6.6	7.9	9.7	9.4
CRMS 0258	10.5	10.0	11.1	10.8	11.3	11.3	9.5	9.7	9.7	10.2	9.6	9.1
CRMS 0224	10.0	9.7	10.6	10.4	10.1	9.8	8.8	9.0	8.8	9.5	9.1	8.7
CRMS 0163	10.8	10.1	9.5	8.7	7.7	6.9	6.6	7.6	7.1	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.1	8.4	7.8	6.7	6.2	6.2	6.5	7.4	8.4	8.8

V3PR9 HYST - cy 4 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.9	10.8	9.9	9.0	8.2	7.9	7.9	7.7	8.9	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.6	9.9	9.7	9.2	8.7	8.3	8.0	7.8	7.1	8.0	8.9	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.3	9.7	8.8	8.3	7.7	7.0	7.4	7.1	8.9	9.5	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.8	10.9	10.3	9.5	9.1	8.1	8.0	8.2	9.0	9.9	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.0	10.6	9.1	8.0	6.9	6.8	7.0	7.0	8.4	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.5	10.3	9.4	8.5	7.6	7.3	7.4	7.3	8.4	9.0	8.7
USGS 07380335 - Little Lake Near Cutoff	9.4	9.4	10.3	9.3	8.1	6.9	6.6	6.4	6.5	7.5	8.9	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.3	10.4	9.8	9.2	8.3	8.2	7.7	7.7	8.9	9.1	8.8
HWQ14 - Lake Washington	10.5	9.9	10.6	9.2	8.2	7.2	6.5	6.3	6.6	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	8.5	9.1	8.8	8.4	7.2	6.6	6.1	6.0	6.1	6.9	8.2	8.6
CRMS 3985	11.0	10.2	10.1	8.8	7.8	6.6	6.2	6.4	6.6	7.9	9.7	9.4
CRMS 0258	10.5	9.9	11.0	10.9	11.2	11.2	9.5	9.7	9.5	10.1	9.7	8.9
CRMS 0224	10.0	9.6	10.5	10.4	10.0	9.8	8.7	9.0	8.7	9.4	9.1	8.6
CRMS 0163	10.8	10.1	9.6	8.7	7.7	6.9	6.7	8.0	7.2	8.3	9.4	9.7
CRMS 0162	10.2	9.7	9.1	8.4	7.8	6.7	6.2	6.2	6.5	7.5	8.4	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	0.0	0.0
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.1	0.0	0.1	0.1	-0.1	0.0	-0.3	-0.1	-0.1	0.3	-0.1
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.0	0.0	0.0	0.4	0.4	0.3	0.6	0.1	0.4	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.1	-0.1	-0.1	-0.1	0.0	0.0	-0.1	-0.1	0.0	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	-0.2
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.3	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.1	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.1	0.1	-0.2
HWQ14 - Lake Washington	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0
HWQ16 - Bayou Grand Liard	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.2	0.0	0.0	0.3	0.4
CRMS 3985	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.1	0.0	0.1	-0.1	0.0	-0.1	-0.1	-0.2	-0.2	0.1	-0.2
CRMS 0224	0.0	-0.1	-0.1	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.0	0.0	0.0
CRMS 0162	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Figure WQ DO 199 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.8	10.6	9.9	9.3	8.6	7.9	7.6	7.4	8.8	10.0	10.0
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.3	8.7	7.7	9.4	8.7	7.9	7.4	7.9	8.7	9.0
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.7	8.7	7.2	7.5	7.5	7.9	7.2	9.4	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.6	10.6	10.4	9.9	9.2	8.1	7.9	8.2	8.9	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.1	10.3	9.2	8.1	7.1	6.7	6.6	6.9	8.5	9.8	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.3	10.2	9.4	8.6	7.7	7.4	7.4	7.4	8.4	9.3	8.9
USGS 07380335 - Little Lake Near Cutoff	9.2	9.1	9.5	9.0	7.7	7.0	7.0	6.4	6.6	7.5	9.3	8.5
USGS073802516 Barataria Pass at Grand Isle	9.6	9.1	10.5	9.6	9.0	8.4	8.7	7.6	7.8	8.8	9.2	8.8
HWQ14 - Lake Washington	10.5	9.8	11.0	9.2	8.2	7.3	6.7	6.7	6.7	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.7	9.1	8.2	7.2	6.8	6.1	6.5	6.0	7.0	8.7	8.4
CRMS 3985	11.0	10.3	9.8	9.0	7.8	6.7	6.2	6.2	6.6	8.0	9.7	9.5
CRMS 0258	10.3	9.5	10.0	10.5	11.5	11.2	9.6	9.5	9.4	10.0	9.3	9.4
CRMS 0224	9.9	9.2	10.1	9.9	10.0	10.0	8.8	9.0	8.8	9.4	8.9	8.9
CRMS 0163	10.6	10.5	9.5	8.7	7.3	6.6	7.0	9.8	7.4	8.5	9.4	9.5
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	8.2	8.5	9.2

V3PR9 HYST - cy 4 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.0	9.7	10.5	9.8	9.2	8.5	7.8	7.5	7.3	8.7	9.9	9.8
CRMS0276 - Just east of Wilkinson Canal	9.2	9.2	9.2	8.7	7.8	9.2	8.5	7.8	7.1	8.6	9.7	8.8
Barataria Waterway at Lafitte (USACE82875)	10.3	10.2	9.7	8.7	7.3	9.2	8.4	8.3	7.8	9.5	9.6	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.6	10.5	10.4	9.8	9.2	8.1	7.8	8.1	8.8	9.8	9.4
USGS7380251 Barataria Bay North of Grand Isle	10.9	10.0	10.1	9.2	8.1	7.0	6.6	6.5	6.9	8.4	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.2	10.1	9.4	8.6	7.7	7.4	7.4	7.3	8.3	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.2	9.0	9.4	9.0	7.7	7.0	7.0	6.4	6.5	7.4	9.2	8.4
USGS073802516 Barataria Pass at Grand Isle	9.6	9.1	10.4	9.6	9.0	8.4	8.6	7.6	7.7	8.7	9.0	8.6
HWQ14 - Lake Washington	10.5	9.8	10.9	9.2	8.2	7.3	6.7	6.6	6.7	8.1	9.6	9.5
HWQ16 - Bayou Grand Liard	8.1	8.7	9.3	8.2	7.1	6.8	6.1	6.7	6.0	7.4	9.1	8.3
CRMS 3985	11.0	10.3	9.8	9.0	7.8	6.7	6.2	6.2	6.6	7.9	9.6	9.5
CRMS 0258	10.3	9.4	9.7	10.4	11.4	11.1	9.5	9.4	9.2	9.8	9.6	9.1
CRMS 0224	9.9	9.2	9.9	9.8	10.0	9.9	8.8	8.9	8.6	9.3	9.1	8.7
CRMS 0163	10.6	10.5	9.6	8.7	7.3	6.6	7.4	9.9	7.5	8.5	9.4	9.6
CRMS 0162	9.6	9.2	9.0	8.4	7.2	6.5	6.2	6.3	6.5	8.0	8.5	9.2

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.1	-0.1	0.0	0.1	-0.2	-0.2	-0.2	-0.2	0.7	1.0	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.1	-0.2	0.0	0.0	0.1	1.7	0.9	0.4	0.6	0.1	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.0	-0.1	0.0	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	0.0	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.2	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.1	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.2
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	-0.2	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	-0.1	-0.1	0.0	0.0	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2
HWQ14 - Lake Washington	0.0	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.1	0.0	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.0	0.0	0.3	0.0	0.0	0.0	0.0	0.2	0.0	0.4	0.4	-0.2
CRMS 3985	0.0	0.0	0.0	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.0	0.0
CRMS 0258	0.0	-0.1	-0.3	-0.1	-0.1	-0.1	-0.1	-0.1	-0.2	-0.2	0.4	-0.3
CRMS 0224	0.0	-0.1	-0.2	0.0	0.0	-0.1	0.0	0.0	-0.2	-0.1	0.2	-0.2
CRMS 0163	-0.1	0.0	0.0	0.0	0.0	0.1	0.4	0.0	0.1	0.0	0.0	0.1
CRMS 0162	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.2	0.0	0.0

Figure WQ DO 200 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.8	10.8	10.2	9.7	9.1	8.5	8.2	8.2	9.2	10.0	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.5	9.3	8.3	7.9	7.9	7.1	7.7	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.5	8.3	7.3	6.6	6.2	7.1	6.9	8.2	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.8	11.0	10.7	10.1	9.3	8.3	8.0	8.8	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.5	9.3	8.6	7.8	7.4	7.4	7.4	8.8	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.0	9.4	8.7	7.6	7.4	7.5	7.3	8.5	8.8	8.7
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	9.4	8.7	8.0	6.8	6.6	6.3	6.4	7.3	8.5	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.2	9.6	8.9	8.2	8.3	7.2	7.6	8.5	8.9	8.6
HWQ14 - Lake Washington	10.3	9.7	10.6	9.0	8.2	7.3	6.7	6.8	7.0	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.1	7.7	6.6	6.1	6.7	6.0	6.8	7.9	8.3
CRMS 3985	10.9	10.2	10.0	8.9	8.1	7.1	6.8	6.7	6.8	8.1	9.6	9.5
CRMS 0258	10.2	9.9	10.5	10.3	11.3	11.1	9.4	9.5	9.7	10.2	9.6	9.3
CRMS 0224	9.8	9.6	10.4	10.0	10.1	9.6	8.8	8.9	8.4	9.7	9.0	8.7
CRMS 0163	10.8	10.3	9.3	8.4	7.4	6.7	6.5	8.4	7.0	8.1	9.4	9.6
CRMS 0162	10.0	9.5	8.9	8.2	7.3	6.5	6.0	6.2	6.5	7.2	8.2	9.0

V3PR2 HYST - cy 5 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	9.5	8.5	8.0	7.7	7.0	6.7	6.7	7.0	7.9	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.5	9.6	9.4	8.5	10.2	7.7	7.5	7.3	6.9	8.6	9.1	9.1
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.5	8.4	7.4	7.1	6.6	7.2	7.0	8.3	9.2	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.6	10.4	9.9	8.9	7.8	6.9	6.9	10.3	9.0	10.1	9.5	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.9	9.5	10.5	9.7	9.1	8.4	7.5	8.9	9.9	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	9.9	9.9	9.4	10.1	9.3	8.4	7.6	7.1	8.5	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.3	9.6	9.5	8.9	8.3	6.8	6.0	6.0	6.1	7.2	9.0	8.4
USGS073802516 Barataria Pass at Grand Isle	9.7	9.5	9.8	10.1	8.7	7.9	7.5	7.7	7.3	8.3	9.1	8.8
HWQ14 - Lake Washington	10.6	10.1	9.8	9.9	8.4	7.1	6.2	6.0	6.6	8.1	9.5	9.6
HWQ16 - Bayou Grand Liard	8.2	8.9	9.0	8.4	7.5	6.1	6.0	6.2	5.9	7.0	8.9	8.6
CRMS 3985	11.0	10.3	9.8	9.4	8.7	7.7	7.6	7.4	6.9	8.1	9.7	9.5
CRMS 0258	10.6	10.1	9.9	10.3	12.0	13.0	12.6	10.9	9.6	10.0	9.3	9.0
CRMS 0224	10.3	10.0	9.8	9.7	11.5	11.4	11.0	9.1	8.2	9.6	9.0	8.8
CRMS 0163	10.7	10.3	9.4	8.4	7.5	7.1	7.0	8.5	6.8	7.8	9.2	9.7
CRMS 0162	9.7	9.2	8.9	8.2	7.4	6.6	6.0	6.4	7.3	7.7	8.3	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.7	-0.3	-2.3	-2.2	-2.0	-2.1	-1.8	-1.5	-1.2	-1.2	-0.9	0.0
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.0	0.1	1.0	-0.5	-0.4	-0.6	-0.3	0.9	0.5	0.6
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.5	0.3	0.1	0.1	0.1	-0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.9	0.6	-1.1	-1.8	-2.3	-2.4	-1.3	2.3	0.1	0.5	-0.5	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.4	-0.6	0.2	1.8	1.9	1.7	1.1	0.1	0.1	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.5	-0.2	0.0	1.4	1.6	1.0	0.1	-0.2	0.0	0.1	0.2
USGS 07380335 - Little Lake Near Cutoff	0.2	0.3	0.2	0.2	0.3	0.0	-0.6	-0.4	-0.3	0.0	0.5	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.3	0.4	-0.4	0.5	-0.2	-0.3	-0.8	0.6	-0.3	-0.2	0.2	0.1
HWQ14 - Lake Washington	0.3	0.3	-0.8	0.9	0.1	-0.1	-0.5	-0.8	-0.4	-0.1	-0.1	0.0
HWQ16 - Bayou Grand Liard	0.0	0.1	0.4	0.3	-0.2	-0.4	-0.1	-0.5	-0.1	0.2	0.9	0.3
CRMS 3985	0.1	0.2	-0.2	0.5	0.7	0.6	0.8	0.6	0.1	0.0	0.1	0.0
CRMS 0258	0.4	0.2	-0.6	0.0	0.7	1.9	3.2	1.4	-0.1	-0.2	-0.3	-0.2
CRMS 0224	0.5	0.4	-0.6	-0.3	1.4	1.8	2.2	0.2	-0.2	-0.1	-0.1	0.1
CRMS 0163	-0.1	0.0	0.1	0.0	0.0	0.4	0.5	0.2	-0.2	-0.2	-0.2	0.1
CRMS 0162	-0.3	-0.3	0.0	0.0	0.1	0.1	0.0	0.3	0.8	0.5	0.0	-0.3

Figure WQ DO 201 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.9	9.3	8.5	8.2	7.9	9.0	9.8	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.4	8.8	8.1	8.2	7.4	6.7	6.8	8.3	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.5	7.3	8.1	7.0	7.3	7.2	8.5	9.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	10.9	10.9	10.4	9.8	8.7	8.4	8.1	9.1	9.7	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.7	7.7	7.2	7.2	7.1	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.2	9.4	8.6	7.6	7.2	6.8	6.9	7.8	8.9	8.6
USGS 07380335 - Little Lake Near Cutoff	9.1	9.4	9.6	9.2	7.5	6.4	6.2	6.1	6.1	7.6	9.1	8.4
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.3	9.7	8.8	7.9	7.7	6.5	6.8	7.9	8.9	8.4
HWQ14 - Lake Washington	10.2	9.7	10.6	9.0	7.8	6.8	6.3	6.2	6.7	8.1	9.2	9.1
HWQ16 - Bayou Grand Liard	8.2	8.9	8.7	8.3	7.3	6.1	6.7	8.6	6.5	7.9	8.6	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.9	6.8	6.6	6.8	6.7	8.0	9.5	9.4
CRMS 0258	10.2	9.9	10.7	10.4	11.6	11.2	9.1	8.7	9.4	9.3	9.7	9.3
CRMS 0224	9.7	9.7	10.6	10.1	9.9	9.5	8.7	8.2	8.3	8.6	9.4	8.8
CRMS 0163	10.7	10.1	9.2	8.6	7.5	8.6	7.7	8.6	7.1	8.4	9.3	9.6
CRMS 0162	9.9	9.5	8.9	8.2	7.3	6.8	6.3	6.6	8.0	9.1	8.2	8.9

V3PR2 HYST - cy 5 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	8.9	8.5	8.3	7.7	7.1	6.6	6.7	7.1	8.1	9.1	8.9
CRMS0276 - Just east of Wilkinson Canal	9.6	9.9	9.4	9.1	9.0	8.3	7.6	6.9	6.5	8.5	9.1	8.6
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.4	8.5	7.3	7.9	7.0	7.2	7.1	8.1	9.1	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.0	10.1	9.4	8.8	8.0	11.5	11.1	11.1	9.3	9.7	9.5	9.7
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.9	9.9	8.7	7.6	7.5	7.4	8.9	9.7	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.3	9.8	9.8	9.6	8.1	7.2	6.7	6.9	7.7	9.0	9.1
USGS 07380335 - Little Lake Near Cutoff	9.3	9.9	9.6	9.4	8.1	6.6	6.4	6.4	6.3	7.4	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	9.6	9.8	10.0	9.9	8.8	8.2	8.1	6.5	7.0	7.8	8.8	8.7
HWQ14 - Lake Washington	10.5	10.2	10.1	9.7	8.1	7.0	6.4	6.4	6.7	8.1	9.3	9.3
HWQ16 - Bayou Grand Liard	8.3	9.1	9.2	8.6	7.3	6.1	7.1	8.2	6.7	7.7	8.7	8.1
CRMS 3985	11.0	10.3	9.9	9.3	8.6	7.3	6.9	6.9	6.9	8.2	9.6	9.6
CRMS 0258	10.7	10.3	9.9	10.4	11.6	10.9	9.1	8.4	9.0	7.7	9.4	9.5
CRMS 0224	10.3	10.3	9.8	10.5	10.8	9.5	8.5	7.9	8.0	7.9	9.3	9.2
CRMS 0163	10.5	10.1	9.2	8.4	7.4	8.3	7.2	7.3	8.1	8.3	9.1	9.3
CRMS 0162	9.6	9.3	8.9	8.2	7.3	7.0	6.6	7.7	8.7	8.6	8.3	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.7	-0.9	-2.2	-2.2	-2.2	-2.2	-1.9	-1.5	-0.7	-0.9	-0.7	-0.7
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.0	0.4	0.9	0.1	0.2	0.3	-0.2	0.2	0.2	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	-0.2	0.0	-0.1	-0.1	-0.3	-0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.3	-1.5	-2.1	-2.5	1.8	2.4	2.7	1.1	0.6	-0.2	0.2
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.7	0.5	1.2	1.0	0.3	0.3	0.3	0.2	0.1	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.9	-0.4	0.4	1.0	0.5	0.0	-0.1	0.1	0.0	0.1	0.5
USGS 07380335 - Little Lake Near Cutoff	0.2	0.6	-0.1	0.2	0.6	0.2	0.2	0.3	0.2	-0.1	-0.2	0.2
USGS073802516 Barataria Pass at Grand Isle	0.3	0.7	-0.2	0.2	0.0	0.3	0.4	0.0	0.1	-0.1	0.0	0.2
HWQ14 - Lake Washington	0.3	0.5	-0.5	0.7	0.3	0.2	0.2	0.2	0.0	0.0	0.1	0.2
HWQ16 - Bayou Grand Liard	0.1	0.2	0.5	0.3	0.1	0.0	0.4	-0.4	0.1	-0.2	0.1	0.1
CRMS 3985	0.1	0.2	-0.2	0.5	0.7	0.5	0.3	0.1	0.2	0.2	0.1	0.2
CRMS 0258	0.5	0.4	-0.8	0.0	0.1	-0.3	0.0	-0.3	-0.4	-1.5	-0.4	0.2
CRMS 0224	0.6	0.6	-0.8	0.5	0.8	0.1	-0.2	-0.3	-0.3	-0.7	-0.1	0.4
CRMS 0163	-0.2	0.0	0.0	-0.2	-0.1	-0.4	-0.5	-1.3	1.0	-0.1	-0.2	-0.3
CRMS 0162	-0.3	-0.2	0.0	-0.1	0.0	0.2	0.3	1.0	0.6	-0.5	0.1	-0.3

Figure WQ DO 202 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.7	10.5	10.1	9.2	8.2	7.8	7.7	7.5	8.9	9.8	10.0
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.2	8.5	8.0	7.4	6.9	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.8	7.1	8.1	7.4	6.7	7.9	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.6	10.7	10.4	9.9	9.3	8.3	8.1	8.0	9.0	9.8	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.4	8.5	7.6	7.6	7.5	7.3	8.6	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.3	9.7	9.3	8.6	7.6	7.1	6.4	6.9	7.5	8.8	8.8
USGS 07380335 - Little Lake Near Cutoff	9.0	9.2	9.3	8.6	7.6	6.4	6.2	7.3	6.4	7.9	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	9.8	9.4	8.9	7.7	7.1	6.8	6.6	7.7	8.6	8.6
HWQ14 - Lake Washington	10.2	9.7	10.4	9.2	8.2	7.2	6.4	6.2	6.8	8.2	9.2	9.2
HWQ16 - Bayou Grand Liard	8.0	8.7	8.5	7.9	6.9	6.3	7.7	8.2	7.0	8.1	8.2	7.9
CRMS 3985	10.9	10.2	10.7	9.1	7.8	6.9	7.1	7.3	7.0	8.0	9.6	9.5
CRMS 0258	10.1	9.8	10.1	10.3	11.2	9.9	8.4	8.2	8.7	9.2	9.2	9.5
CRMS 0224	9.7	9.5	9.9	9.8	9.7	9.3	8.7	7.6	7.5	7.6	9.0	9.1
CRMS 0163	10.6	10.4	9.8	8.8	7.8	7.1	9.4	8.8	9.1	7.8	9.2	9.5
CRMS 0162	9.4	9.5	8.7	8.1	7.5	7.2	6.9	8.0	8.2	8.4	8.3	8.7

V3PR2 HYST - cy 5 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.5	9.3	8.8	7.7	7.0	6.7	6.8	7.3	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.3	9.8	9.3	8.6	8.3	7.7	7.1	7.6	7.4	8.2	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.9	8.8	7.7	7.1	8.1	6.6	7.6	8.1	9.2	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.4	10.0	9.7	8.9	10.3	10.4	10.8	9.4	9.3	9.4	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.3	10.0	9.4	8.8	7.9	7.6	7.8	7.5	8.8	9.7	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	10.0	10.4	9.3	8.8	7.5	7.1	6.5	6.9	7.6	8.9	9.0
USGS 07380335 - Little Lake Near Cutoff	9.0	9.6	10.1	8.7	7.6	6.7	6.4	7.0	6.3	7.4	8.7	8.6
USGS073802516 Barataria Pass at Grand Isle	9.4	9.5	10.6	9.4	8.8	8.1	7.7	6.5	6.8	7.7	8.7	8.7
HWQ14 - Lake Washington	10.4	10.0	10.8	9.3	8.1	7.2	6.6	6.5	6.8	8.1	9.3	9.3
HWQ16 - Bayou Grand Liard	8.0	8.8	8.6	8.0	7.0	6.4	7.6	8.2	6.8	7.6	8.2	7.9
CRMS 3985	11.0	10.3	9.8	9.1	8.1	7.0	6.8	7.0	6.9	8.1	9.6	9.5
CRMS 0258	10.3	10.2	10.8	10.2	11.1	9.7	8.4	8.2	7.4	8.2	9.6	9.5
CRMS 0224	9.8	10.1	10.7	9.9	9.8	9.1	8.3	7.6	7.5	7.8	9.4	9.1
CRMS 0163	10.3	10.1	9.6	8.6	7.7	7.1	7.7	8.1	8.3	8.5	9.1	9.1
CRMS 0162	8.9	9.0	8.6	8.2	7.6	7.2	10.5	8.9	7.8	8.7	8.2	8.3

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	-0.2	-1.2	-1.3	-1.5	-1.2	-1.2	-0.8	-0.2	-0.9	-0.7	-0.5
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.1	0.1	0.3	0.2	0.2	0.3	0.8	0.7	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.1	0.0	0.0	0.0	-0.1	-0.1	-0.9	0.9	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.7	0.8	-0.8	-0.7	-1.0	1.0	2.1	2.7	1.4	0.4	-0.3	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.5	0.0	0.3	0.2	0.1	0.3	0.2	0.1	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.7	0.7	-0.1	0.1	0.0	0.0	0.1	0.0	0.1	0.1	0.1
USGS 07380335 - Little Lake Near Cutoff	0.1	0.4	0.9	0.2	-0.1	0.3	0.2	-0.3	-0.1	-0.5	0.1	0.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.8	0.1	-0.1	0.4	0.6	-0.2	0.2	0.0	0.0	0.1
HWQ14 - Lake Washington	0.1	0.4	0.4	0.1	-0.1	0.1	0.2	0.3	0.1	0.0	0.1	0.1
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.1	0.1	0.1	0.0	0.0	-0.3	-0.5	0.0	0.0
CRMS 3985	0.1	0.1	-0.9	0.0	0.3	0.1	-0.3	-0.4	-0.1	0.1	0.0	0.0
CRMS 0258	0.2	0.4	0.6	-0.1	-0.1	-0.2	0.0	0.1	-1.3	-1.0	0.4	-0.1
CRMS 0224	0.2	0.6	0.9	0.1	0.1	-0.2	-0.3	0.0	0.0	0.2	0.4	0.0
CRMS 0163	-0.3	-0.3	-0.2	-0.1	-0.1	0.0	-1.7	-0.7	-0.7	0.7	-0.1	-0.4
CRMS 0162	-0.4	-0.4	-0.1	0.1	0.0	0.0	3.6	0.9	-0.4	0.2	-0.1	-0.5

Figure WQ DO 203 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.7	9.2	8.8	8.8	8.5	9.4	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.6	8.7	8.3	7.5	7.4	7.1	6.8	7.6	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.6	8.6	7.6	6.6	6.4	6.5	7.0	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	11.0	10.9	10.1	10.1	8.8	8.7	9.2	9.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.6	7.5	7.3	7.4	7.1	8.6	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.5	10.3	9.4	8.6	7.6	7.2	7.3	7.0	8.3	8.7	8.7
USGS 07380335 - Little Lake Near Cutoff	9.2	9.5	10.2	9.0	7.7	6.3	6.1	6.0	6.1	7.1	8.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.4	9.3	10.3	9.6	8.8	7.8	7.6	6.8	7.2	8.3	8.7	8.6
HWQ14 - Lake Washington	10.2	9.7	10.5	9.0	7.9	6.9	6.2	6.1	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.4	9.1	8.7	8.2	7.0	6.3	5.9	6.4	5.9	7.0	7.9	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.8	6.7	6.6	6.9	6.7	7.9	9.6	9.4
CRMS 0258	10.2	10.0	10.7	10.5	11.5	10.6	9.6	10.1	9.4	10.5	9.4	9.3
CRMS 0224	9.8	9.7	10.5	10.2	9.8	9.3	8.5	8.9	8.5	9.6	8.9	8.7
CRMS 0163	10.7	10.0	9.4	8.6	7.7	6.8	6.5	7.0	7.1	8.1	9.3	9.5
CRMS 0162	10.0	9.5	8.9	8.2	7.5	6.5	6.0	6.0	6.4	7.3	8.2	8.7

V3PR2 HYST - cy 5 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.4	8.9	8.6	8.3	7.7	6.9	6.6	6.9	7.2	8.1	9.2	9.5
CRMS0276 - Just east of Wilkinson Canal	9.9	10.0	9.7	9.2	8.6	7.5	7.4	7.1	6.8	7.9	8.7	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.6	8.6	7.6	6.7	6.5	6.6	6.9	7.8	9.2	9.3
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	10.0	9.5	8.9	8.2	7.2	6.6	8.7	9.7	9.9	9.5	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.5	10.0	9.9	9.1	8.8	8.2	8.1	7.3	8.8	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.5	10.4	10.1	9.9	8.8	8.5	7.7	7.8	6.8	8.0	9.0	8.9
USGS 07380335 - Little Lake Near Cutoff	9.8	10.0	10.2	9.3	7.6	6.6	6.0	6.0	6.0	7.3	9.0	8.4
USGS073802516 Barataria Pass at Grand Isle	9.9	10.0	10.9	9.8	8.8	7.9	7.6	7.5	7.2	8.0	9.0	8.7
HWQ14 - Lake Washington	10.7	10.3	10.7	9.5	8.0	6.9	6.2	6.0	6.6	8.1	9.4	9.5
HWQ16 - Bayou Grand Liard	8.6	9.3	9.4	8.5	7.1	6.2	6.0	6.2	6.0	7.3	8.7	8.3
CRMS 3985	11.1	10.4	10.0	9.2	8.5	7.4	7.1	7.2	6.9	8.1	9.7	9.6
CRMS 0258	11.0	10.3	10.2	10.4	11.7	12.0	11.5	11.5	9.3	9.3	9.4	9.5
CRMS 0224	10.7	10.3	10.2	10.7	10.4	10.7	9.0	9.9	8.2	8.8	9.0	9.0
CRMS 0163	10.5	10.0	9.4	8.5	7.6	6.8	6.6	6.8	6.9	8.2	9.1	9.2
CRMS 0162	9.9	9.4	8.9	8.2	7.4	6.5	6.1	6.2	7.8	8.0	8.1	8.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.4	-0.9	-2.2	-2.2	-2.0	-2.2	-2.2	-1.9	-1.3	-1.3	-0.8	0.0
CRMS0276 - Just east of Wilkinson Canal	0.2	0.0	0.1	0.4	0.3	0.0	0.0	0.0	0.1	0.3	0.2	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.4	0.0	-0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.2	-1.5	-1.9	-2.0	-2.9	-2.2	0.0	0.5	0.3	-0.4	0.4
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.5	-0.5	0.5	0.5	1.3	0.9	0.7	0.2	0.2	0.1	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	0.9	-0.1	0.5	0.2	1.0	0.5	0.5	-0.2	-0.3	0.2	0.2
USGS 07380335 - Little Lake Near Cutoff	0.5	0.6	0.0	0.3	-0.1	0.2	-0.1	0.0	-0.1	0.2	0.6	0.0
USGS073802516 Barataria Pass at Grand Isle	0.6	0.7	0.6	0.2	0.0	0.1	-0.1	0.7	0.0	-0.2	0.3	0.1
HWQ14 - Lake Washington	0.5	0.6	0.2	0.5	0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.1
HWQ16 - Bayou Grand Liard	0.2	0.3	0.7	0.3	0.1	-0.1	0.1	-0.2	0.0	0.3	0.8	0.3
CRMS 3985	0.1	0.3	-0.1	0.4	0.7	0.7	0.5	0.3	0.2	0.2	0.1	0.2
CRMS 0258	0.8	0.4	-0.5	-0.1	0.2	1.4	2.0	1.4	-0.1	-1.2	0.0	0.2
CRMS 0224	1.0	0.6	-0.3	0.5	0.5	1.5	0.5	1.1	-0.3	-0.9	0.1	0.3
CRMS 0163	-0.2	0.0	-0.1	-0.1	-0.1	0.0	0.1	-0.1	-0.3	0.2	-0.2	-0.3
CRMS 0162	-0.1	-0.1	0.0	0.0	0.0	0.1	0.1	0.1	1.5	0.7	0.0	-0.3

Figure WQ DO 204 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.6	10.5	10.3	9.8	9.5	9.1	9.1	8.5	9.4	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.2	8.5	7.5	8.5	8.2	7.5	6.8	7.9	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.3	10.3	9.6	8.6	7.0	6.3	6.5	6.9	7.2	8.5	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.5	10.4	10.5	10.5	10.1	8.9	8.7	9.2	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.5	8.6	7.8	7.5	7.6	7.2	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.1	9.6	9.3	8.5	7.6	7.2	7.4	7.0	8.3	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.0	9.1	9.1	8.6	7.4	6.5	6.3	6.1	6.2	7.4	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	10.0	9.5	8.6	8.0	8.0	7.1	7.3	8.3	8.9	8.5
HWQ14 - Lake Washington	10.2	9.6	10.5	9.2	8.1	6.9	6.3	6.2	6.7	8.1	9.3	9.2
HWQ16 - Bayou Grand Liard	8.1	8.7	9.2	8.1	7.0	6.4	5.9	6.7	5.9	7.2	8.7	8.3
CRMS 3985	10.9	10.2	10.6	9.2	8.0	6.9	6.6	6.9	6.7	8.0	9.5	9.4
CRMS 0258	10.1	9.5	10.0	10.3	10.9	10.9	9.6	9.9	9.5	10.4	9.1	9.3
CRMS 0224	9.7	9.2	9.9	9.9	9.8	9.5	8.6	8.9	8.4	9.5	9.0	8.9
CRMS 0163	10.5	10.3	9.4	8.7	7.3	6.5	6.7	8.6	7.4	8.1	9.4	9.4
CRMS 0162	9.4	8.9	8.8	8.2	7.0	6.3	6.0	6.1	6.3	7.7	8.2	9.0

V3PR2 HYST - cy 5 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	10.2	8.6	8.3	7.4	7.0	6.6	6.8	7.1	8.1	9.1	8.5
CRMS0276 - Just east of Wilkinson Canal	9.3	9.6	9.4	8.6	7.8	8.0	7.4	7.3	6.7	7.8	9.0	8.9
Barataria Waterway at Lafitte (USACE82875)	10.3	9.9	9.5	8.6	7.0	6.8	6.9	7.1	7.3	7.9	9.2	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.3	9.5	8.8	7.7	7.2	6.9	12.0	9.8	9.8	9.5	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.8	9.6	8.5	9.5	8.7	7.8	7.3	8.8	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	9.7	9.3	8.1	9.3	8.0	7.4	6.9	8.0	9.0	9.5
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	9.4	8.8	7.5	7.1	6.0	6.0	6.1	7.4	8.8	9.0
USGS073802516 Barataria Pass at Grand Isle	9.4	9.1	9.8	10.0	8.5	7.9	7.7	7.5	7.2	8.0	8.9	9.0
HWQ14 - Lake Washington	10.4	9.8	9.9	9.8	7.9	7.0	6.2	6.1	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.1	8.8	9.3	8.4	7.2	6.3	6.0	6.7	6.0	7.3	8.8	8.4
CRMS 3985	11.0	10.2	9.7	9.2	8.5	7.6	7.2	7.1	6.9	8.1	9.6	9.6
CRMS 0258	10.3	9.9	9.9	10.3	10.5	12.6	12.1	10.7	9.2	9.3	9.3	9.6
CRMS 0224	9.8	9.6	9.8	9.6	9.0	12.0	10.3	8.8	8.1	8.6	9.3	9.5
CRMS 0163	10.3	9.7	9.3	8.5	7.2	6.6	7.2	7.7	7.4	8.7	9.2	9.3
CRMS 0162	9.1	8.9	8.9	8.1	6.9	6.3	6.1	6.4	8.0	8.1	8.3	8.8

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.1	0.6	-1.8	-2.0	-2.4	-2.5	-2.5	-2.3	-1.4	-1.3	-0.8	-1.2
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.2	0.1	0.3	-0.5	-0.8	-0.2	-0.1	-0.1	0.2	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.1	-0.4	0.0	0.0	-0.1	0.5	0.4	0.1	0.1	-0.6	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.7	0.8	-0.9	-1.7	-2.8	-2.9	-2.0	3.3	0.6	0.2	-0.4	-0.1
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.2	-0.6	0.1	-0.1	1.8	1.2	0.2	0.1	0.1	0.1	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.2	0.3	0.1	0.0	-0.3	1.7	0.8	0.0	-0.2	-0.3	-0.1	0.8
USGS 07380335 - Little Lake Near Cutoff	0.1	0.2	0.3	0.2	0.1	0.6	-0.3	-0.1	-0.1	0.0	-0.4	0.5
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.2	0.5	-0.2	0.0	-0.3	0.4	-0.1	-0.3	-0.1	0.5
HWQ14 - Lake Washington	0.2	0.1	-0.6	0.6	-0.2	0.1	-0.1	-0.1	0.0	0.0	0.1	0.2
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.3	0.2	-0.2	0.1	0.1	0.1	0.1	0.1	0.1
CRMS 3985	0.1	0.1	-0.8	0.0	0.5	0.7	0.6	0.2	0.2	0.2	0.1	0.2
CRMS 0258	0.2	0.4	-0.2	0.0	-0.4	1.8	2.5	0.8	-0.2	-1.1	0.2	0.3
CRMS 0224	0.2	0.4	-0.1	-0.3	-0.8	2.5	1.7	-0.1	-0.3	-1.0	0.3	0.6
CRMS 0163	-0.2	-0.6	-0.1	-0.2	-0.1	0.1	0.5	-1.0	0.0	0.5	-0.1	-0.1
CRMS 0162	-0.3	0.0	0.1	-0.1	-0.1	0.0	0.1	0.2	1.7	0.4	0.1	-0.2

Figure WQ DO 205 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.8	10.8	10.2	9.7	9.1	8.5	8.2	8.2	9.2	10.0	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.5	9.3	8.3	7.9	7.9	7.1	7.7	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.5	8.3	7.3	6.6	6.2	7.1	6.9	8.2	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.8	11.0	10.7	10.1	9.3	8.3	8.0	8.8	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.5	9.3	8.6	7.8	7.4	7.4	7.4	8.8	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.0	9.4	8.7	7.6	7.4	7.5	7.3	8.5	8.8	8.7
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	9.4	8.7	8.0	6.8	6.6	6.3	6.4	7.3	8.5	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.2	9.6	8.9	8.2	8.3	7.2	7.6	8.5	8.9	8.6
HWQ14 - Lake Washington	10.3	9.7	10.6	9.0	8.2	7.3	6.7	6.8	7.0	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.1	7.7	6.6	6.1	6.7	6.0	6.8	7.9	8.3
CRMS 3985	10.9	10.2	10.0	8.9	8.1	7.1	6.8	6.7	6.8	8.1	9.6	9.5
CRMS 0258	10.2	9.9	10.5	10.3	11.3	11.1	9.4	9.5	9.7	10.2	9.6	9.3
CRMS 0224	9.8	9.6	10.4	10.0	10.1	9.6	8.8	8.9	8.4	9.7	9.0	8.7
CRMS 0163	10.8	10.3	9.3	8.4	7.4	6.7	6.5	8.4	7.0	8.1	9.4	9.6
CRMS 0162	10.0	9.5	8.9	8.2	7.3	6.5	6.0	6.2	6.5	7.2	8.2	9.0

V3PR3 HYST - cy 5 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.1	9.5	8.5	8.0	7.7	7.0	6.7	6.5	6.8	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.5	9.6	9.4	8.5	10.2	7.8	7.4	7.3	6.8	8.5	9.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.4	7.4	7.1	6.6	7.2	7.0	8.3	9.3	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.4	9.8	8.8	7.8	6.8	6.6	9.5	9.2	9.8	9.4	9.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.3	9.9	9.6	10.4	9.7	9.1	8.2	7.5	9.0	9.9	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	9.9	9.9	9.3	10.1	9.3	8.4	7.6	7.1	8.5	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.3	9.6	9.5	8.9	8.4	6.9	6.0	5.9	6.1	7.2	8.9	8.4
USGS073802516 Barataria Pass at Grand Isle	9.7	9.5	9.8	10.1	8.7	8.0	7.5	7.6	7.2	8.3	9.1	8.8
HWQ14 - Lake Washington	10.5	10.1	9.8	9.9	8.3	7.1	6.2	6.0	6.6	8.1	9.5	9.6
HWQ16 - Bayou Grand Liard	8.3	8.9	9.0	8.4	7.5	6.1	6.0	6.0	5.9	6.9	8.7	8.2
CRMS 3985	11.0	10.3	9.8	9.3	8.6	7.6	7.4	7.3	6.9	8.1	9.7	9.5
CRMS 0258	10.7	10.1	9.9	10.3	12.0	13.0	12.6	11.1	9.6	10.1	9.2	9.8
CRMS 0224	10.3	10.0	9.8	9.7	11.5	11.5	10.9	9.2	8.2	9.7	9.0	9.2
CRMS 0163	10.7	10.3	9.4	8.4	7.5	7.2	7.1	8.7	6.8	7.9	9.3	9.3
CRMS 0162	9.7	9.3	8.9	8.2	7.3	6.6	6.0	6.4	7.0	7.7	8.3	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.8	-0.3	-2.3	-2.2	-2.0	-2.1	-1.8	-1.6	-1.4	-1.3	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.0	0.1	0.9	-0.5	-0.5	-0.5	-0.3	0.8	0.4	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.1	0.5	0.4	0.1	0.1	0.1	-0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.8	0.7	-1.2	-1.8	-2.4	-2.5	-1.7	1.4	0.3	0.2	-0.5	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.7	0.3	1.8	1.8	1.7	0.9	0.1	0.1	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.5	-0.2	0.0	1.4	1.7	1.0	0.1	-0.2	0.0	0.2	0.3
USGS 07380335 - Little Lake Near Cutoff	0.2	0.3	0.2	0.2	0.4	0.1	-0.6	-0.4	-0.3	0.0	0.4	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.3	0.4	-0.4	0.5	-0.2	-0.3	-0.8	0.5	-0.3	-0.2	0.2	0.2
HWQ14 - Lake Washington	0.3	0.3	-0.8	0.9	0.1	-0.2	-0.5	-0.8	-0.4	-0.1	0.0	0.1
HWQ16 - Bayou Grand Liard	0.1	0.1	0.3	0.3	-0.2	-0.4	-0.1	-0.6	-0.1	0.1	0.8	-0.1
CRMS 3985	0.1	0.1	-0.2	0.4	0.6	0.4	0.7	0.5	0.1	0.0	0.1	0.0
CRMS 0258	0.4	0.2	-0.6	0.0	0.7	1.9	3.2	1.6	-0.1	-0.1	-0.4	0.5
CRMS 0224	0.5	0.4	-0.6	-0.3	1.4	1.9	2.2	0.2	-0.2	0.0	-0.1	0.5
CRMS 0163	-0.1	0.0	0.1	0.0	0.0	0.5	0.6	0.3	-0.2	-0.1	-0.1	-0.3
CRMS 0162	-0.3	-0.2	0.0	0.0	0.0	0.1	0.0	0.3	0.6	0.4	0.1	-0.4

Figure WQ DO 206 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.9	9.3	8.5	8.2	7.9	9.0	9.8	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.4	8.8	8.1	8.2	7.4	6.7	6.8	8.3	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.5	7.3	8.1	7.0	7.3	7.2	8.5	9.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	10.9	10.9	10.4	9.8	8.7	8.4	8.1	9.1	9.7	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.7	7.7	7.2	7.2	7.1	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.2	9.4	8.6	7.6	7.2	6.8	6.9	7.8	8.9	8.6
USGS 07380335 - Little Lake Near Cutoff	9.1	9.4	9.6	9.2	7.5	6.4	6.2	6.1	6.1	7.6	9.1	8.4
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.3	9.7	8.8	7.9	7.7	6.5	6.8	7.9	8.9	8.4
HWQ14 - Lake Washington	10.2	9.7	10.6	9.0	7.8	6.8	6.3	6.2	6.7	8.1	9.2	9.1
HWQ16 - Bayou Grand Liard	8.2	8.9	8.7	8.3	7.3	6.1	6.7	8.6	6.5	7.9	8.6	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.9	6.8	6.6	6.8	6.7	8.0	9.5	9.4
CRMS 0258	10.2	9.9	10.7	10.4	11.6	11.2	9.1	8.7	9.4	9.3	9.7	9.3
CRMS 0224	9.7	9.7	10.6	10.1	9.9	9.5	8.7	8.2	8.3	8.6	9.4	8.8
CRMS 0163	10.7	10.1	9.2	8.6	7.5	8.6	7.7	8.6	7.1	8.4	9.3	9.6
CRMS 0162	9.9	9.5	8.9	8.2	7.3	6.8	6.3	6.6	8.0	9.1	8.2	8.9

V3PR3 HYST - cy 5 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	8.9	8.5	8.3	7.7	6.9	6.4	6.4	6.8	7.8	9.1	8.8
CRMS0276 - Just east of Wilkinson Canal	9.5	9.8	9.4	9.3	9.1	8.4	7.6	7.0	6.6	8.3	9.2	8.6
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.6	7.4	8.2	7.2	7.4	7.1	8.2	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.5	9.7	9.0	7.8	10.3	10.7	9.8	8.0	9.3	9.3	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.8	10.1	8.8	7.7	7.8	7.6	9.0	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.3	9.9	9.9	9.7	8.2	7.3	6.8	7.1	7.8	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.3	9.9	9.6	9.5	8.2	6.7	6.5	6.2	6.3	7.4	8.9	8.6
USGS073802516 Barataria Pass at Grand Isle	9.7	9.8	10.1	9.9	8.8	8.2	8.1	6.6	7.1	7.8	8.9	8.7
HWQ14 - Lake Washington	10.6	10.2	10.1	9.8	8.2	7.1	6.5	6.4	6.7	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.3	9.1	9.2	8.7	7.4	6.1	7.0	8.3	6.6	7.7	8.7	8.2
CRMS 3985	11.0	10.3	9.9	9.3	8.6	7.3	6.9	7.0	6.9	8.2	9.6	9.5
CRMS 0258	10.7	10.3	9.9	10.6	11.9	10.9	9.0	8.4	8.7	8.6	9.4	9.4
CRMS 0224	10.3	10.3	9.9	10.5	10.9	9.5	8.6	8.1	8.1	8.0	9.4	9.2
CRMS 0163	10.7	10.3	9.3	8.6	7.5	8.7	7.8	7.6	8.3	8.4	9.2	9.4
CRMS 0162	9.7	9.4	9.0	8.3	7.3	7.1	6.8	7.8	8.7	8.7	8.3	8.7

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.9	-0.9	-2.3	-2.2	-2.2	-2.5	-2.1	-1.8	-1.1	-1.2	-0.7	-0.8
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.0	0.5	1.0	0.1	0.2	0.4	-0.2	-0.1	0.4	-0.1
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.1	0.1	0.0	0.1	0.0	0.2	0.2	-0.1	-0.3	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.8	0.7	-1.3	-2.0	-2.6	0.5	2.0	1.4	-0.2	0.2	-0.4	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.6	0.5	1.4	1.1	0.5	0.6	0.5	0.4	0.2	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	1.0	-0.3	0.5	1.2	0.6	0.1	0.1	0.2	0.1	0.1	0.5
USGS 07380335 - Little Lake Near Cutoff	0.3	0.5	0.0	0.3	0.7	0.3	0.3	0.2	0.2	-0.1	-0.2	0.2
USGS073802516 Barataria Pass at Grand Isle	0.3	0.7	-0.2	0.2	0.0	0.3	0.4	0.1	0.2	-0.1	0.0	0.3
HWQ14 - Lake Washington	0.3	0.6	-0.4	0.8	0.3	0.2	0.2	0.2	0.1	0.0	0.2	0.3
HWQ16 - Bayou Grand Liard	0.1	0.2	0.5	0.4	0.1	0.0	0.3	-0.3	0.1	-0.1	0.1	0.1
CRMS 3985	0.1	0.2	-0.2	0.5	0.7	0.5	0.3	0.2	0.3	0.2	0.1	0.1
CRMS 0258	0.5	0.4	-0.8	0.1	0.3	-0.3	-0.1	-0.4	-0.7	-0.7	-0.4	0.1
CRMS 0224	0.6	0.6	-0.7	0.5	1.0	0.1	-0.1	-0.1	-0.2	-0.6	0.0	0.4
CRMS 0163	-0.1	0.1	0.1	0.0	0.0	0.1	0.1	-1.0	1.2	0.1	-0.1	-0.1
CRMS 0162	-0.2	-0.1	0.1	0.0	0.0	0.3	0.4	1.2	0.7	-0.5	0.1	-0.2

Figure WQ DO 207 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.7	10.5	10.1	9.2	8.2	7.8	7.7	7.5	8.9	9.8	10.0
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.2	8.5	8.0	7.4	6.9	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.8	7.1	8.1	7.4	6.7	7.9	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.6	10.7	10.4	9.9	9.3	8.3	8.1	8.0	9.0	9.8	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.4	8.5	7.6	7.6	7.5	7.3	8.6	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.3	9.7	9.3	8.6	7.6	7.1	6.4	6.9	7.5	8.8	8.8
USGS 07380335 - Little Lake Near Cutoff	9.0	9.2	9.3	8.6	7.6	6.4	6.2	7.3	6.4	7.9	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	9.8	9.4	8.9	7.7	7.1	6.8	6.6	7.7	8.6	8.6
HWQ14 - Lake Washington	10.2	9.7	10.4	9.2	8.2	7.2	6.4	6.2	6.8	8.2	9.2	9.2
HWQ16 - Bayou Grand Liard	8.0	8.7	8.5	7.9	6.9	6.3	7.7	8.2	7.0	8.1	8.2	7.9
CRMS 3985	10.9	10.2	10.7	9.1	7.8	6.9	7.1	7.3	7.0	8.0	9.6	9.5
CRMS 0258	10.1	9.8	10.1	10.3	11.2	9.9	8.4	8.2	8.7	9.2	9.2	9.5
CRMS 0224	9.7	9.5	9.9	9.8	9.7	9.3	8.7	7.6	7.5	7.6	9.0	9.1
CRMS 0163	10.6	10.4	9.8	8.8	7.8	7.1	9.4	8.8	9.1	7.8	9.2	9.5
CRMS 0162	9.4	9.5	8.7	8.1	7.5	7.2	6.9	8.0	8.2	8.4	8.3	8.7

V3PR3 HYST - cy 5 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.4	9.2	8.8	7.6	6.9	6.5	6.6	6.9	7.8	9.0	9.4
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.3	8.6	8.3	7.6	7.2	7.6	7.2	8.4	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.3	10.4	9.9	8.8	7.8	7.1	8.5	7.0	7.6	8.0	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.7	10.0	9.8	8.7	9.9	9.9	9.2	7.9	9.1	9.2	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.3	10.1	9.5	8.9	7.9	7.9	8.1	7.8	9.1	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	10.0	10.6	9.3	8.9	7.6	7.2	6.6	7.0	7.7	9.0	9.0
USGS 07380335 - Little Lake Near Cutoff	9.1	9.5	10.2	8.8	7.6	6.8	6.4	7.0	6.3	7.4	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	9.4	9.5	10.6	9.5	8.8	8.1	7.7	6.5	6.9	7.8	8.7	8.7
HWQ14 - Lake Washington	10.4	10.1	10.9	9.4	8.2	7.3	6.7	6.6	6.9	8.2	9.3	9.4
HWQ16 - Bayou Grand Liard	8.0	8.8	8.5	8.0	7.0	6.4	7.5	8.2	6.8	7.6	8.2	7.9
CRMS 3985	11.0	10.3	9.9	9.1	8.1	7.2	7.2	7.5	7.3	8.2	9.7	9.6
CRMS 0258	10.3	10.2	10.8	10.2	11.1	9.7	8.3	8.1	8.1	8.1	9.5	9.4
CRMS 0224	9.8	10.0	10.8	9.9	9.8	9.2	8.4	7.7	7.6	7.8	9.4	9.0
CRMS 0163	10.4	10.3	9.8	8.7	7.8	7.2	8.6	8.1	8.3	8.5	9.2	9.3
CRMS 0162	9.1	9.2	8.8	8.2	7.7	7.7	9.9	9.0	7.7	8.6	8.3	8.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	-0.3	-1.3	-1.4	-1.6	-1.4	-1.3	-1.1	-0.6	-1.1	-0.8	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.3	0.2	0.3	0.3	0.5	0.9	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.0	0.0	0.4	-0.4	0.9	0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.8	1.1	-0.7	-0.6	-1.3	0.6	1.6	1.1	-0.1	0.1	-0.5	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.4	0.1	0.4	0.3	0.3	0.5	0.5	0.4	0.2	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.7	0.8	0.0	0.2	0.1	0.2	0.2	0.1	0.2	0.2	0.2
USGS 07380335 - Little Lake Near Cutoff	0.1	0.3	0.9	0.3	0.0	0.3	0.2	-0.3	-0.1	-0.5	0.2	0.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.5	0.8	0.1	-0.1	0.4	0.6	-0.2	0.3	0.0	0.1	0.2
HWQ14 - Lake Washington	0.2	0.4	0.5	0.2	0.0	0.1	0.3	0.4	0.2	0.1	0.2	0.2
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.1	0.0	0.1	-0.1	0.0	-0.3	-0.5	0.0	0.0
CRMS 3985	0.1	0.1	-0.8	0.0	0.3	0.2	0.2	0.2	0.2	0.2	0.1	0.1
CRMS 0258	0.2	0.4	0.6	-0.1	0.0	-0.2	-0.1	-0.1	-0.7	-1.2	0.3	-0.1
CRMS 0224	0.2	0.5	0.9	0.1	0.1	-0.1	-0.3	0.1	0.1	0.2	0.5	0.0
CRMS 0163	-0.1	-0.1	0.0	0.0	0.0	0.1	-0.7	-0.7	-0.8	0.7	0.0	-0.2
CRMS 0162	-0.3	-0.3	0.1	0.1	0.2	0.5	3.0	1.0	-0.5	0.2	0.0	-0.3

Figure WQ DO 208 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.7	9.2	8.8	8.8	8.5	9.4	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.6	8.7	8.3	7.5	7.4	7.1	6.8	7.6	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.6	8.6	7.6	6.6	6.4	6.5	7.0	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	11.0	10.9	10.1	10.1	8.8	8.7	9.2	9.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.6	7.5	7.3	7.4	7.1	8.6	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.5	10.3	9.4	8.6	7.6	7.2	7.3	7.0	8.3	8.7	8.7
USGS 07380335 - Little Lake Near Cutoff	9.2	9.5	10.2	9.0	7.7	6.3	6.1	6.0	6.1	7.1	8.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.4	9.3	10.3	9.6	8.8	7.8	7.6	6.8	7.2	8.3	8.7	8.6
HWQ14 - Lake Washington	10.2	9.7	10.5	9.0	7.9	6.9	6.2	6.1	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.4	9.1	8.7	8.2	7.0	6.3	5.9	6.4	5.9	7.0	7.9	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.8	6.7	6.6	6.9	6.7	7.9	9.6	9.4
CRMS 0258	10.2	10.0	10.7	10.5	11.5	10.6	9.6	10.1	9.4	10.5	9.4	9.3
CRMS 0224	9.8	9.7	10.5	10.2	9.8	9.3	8.5	8.9	8.5	9.6	8.9	8.7
CRMS 0163	10.7	10.0	9.4	8.6	7.7	6.8	6.5	7.0	7.1	8.1	9.3	9.5
CRMS 0162	10.0	9.5	8.9	8.2	7.5	6.5	6.0	6.0	6.4	7.3	8.2	8.7

V3PR3 HYST - cy 5 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.3	8.8	8.6	8.3	7.7	7.0	6.6	6.6	6.8	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.9	9.9	9.7	9.2	8.6	7.5	7.3	7.1	6.8	8.2	8.9	8.4
Barataria Waterway at Lafitte (USACE82875)	10.7	10.3	9.7	8.6	7.7	6.9	6.6	6.7	7.0	8.0	9.2	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.4	9.9	9.0	7.9	6.8	6.4	8.1	8.8	9.9	9.4	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.5	10.1	9.9	9.2	8.9	8.5	8.4	7.5	8.9	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.6	10.4	10.2	10.0	8.9	8.8	7.9	8.0	7.0	8.3	9.0	8.8
USGS 07380335 - Little Lake Near Cutoff	9.8	10.0	10.3	9.4	7.6	6.6	6.0	6.0	6.1	7.3	9.1	8.3
USGS073802516 Barataria Pass at Grand Isle	10.0	10.0	10.9	9.7	8.8	8.0	7.5	7.4	7.2	8.1	9.0	8.7
HWQ14 - Lake Washington	10.7	10.3	10.7	9.6	8.1	6.9	6.2	6.0	6.6	8.1	9.4	9.5
HWQ16 - Bayou Grand Liard	8.6	9.3	9.4	8.5	7.1	6.2	6.0	6.1	6.0	7.3	8.8	8.3
CRMS 3985	11.1	10.4	10.1	9.2	8.5	7.4	7.2	7.3	6.9	8.1	9.6	9.5
CRMS 0258	11.0	10.3	10.3	10.5	11.8	12.2	11.6	11.3	9.4	9.7	9.5	9.1
CRMS 0224	10.8	10.3	10.3	10.8	10.6	10.9	9.7	9.8	8.4	9.2	9.2	8.8
CRMS 0163	10.7	10.1	9.5	8.6	7.7	7.0	6.8	7.6	7.1	7.8	9.3	9.3
CRMS 0162	10.0	9.6	9.0	8.2	7.6	6.6	6.1	6.2	8.0	8.9	8.2	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.5	-1.0	-2.2	-2.2	-2.0	-2.2	-2.2	-2.2	-1.6	-1.6	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.2	0.0	0.1	0.5	0.3	0.0	-0.1	0.0	0.0	0.6	0.3	-0.1
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.1	0.1	0.0	0.1	0.2	0.3	0.2	0.0	-0.2	0.0	-0.3
USGS2928590900040000 Barataria Waterway South of Lafitte	0.6	0.6	-1.1	-1.8	-2.2	-3.3	-2.4	-0.6	-0.4	0.4	-0.6	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.5	-0.5	0.6	0.6	1.4	1.2	1.0	0.3	0.3	0.2	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.0	1.0	0.0	0.6	0.3	1.2	0.8	0.6	0.0	0.0	0.2	0.2
USGS 07380335 - Little Lake Near Cutoff	0.5	0.6	0.1	0.4	-0.1	0.3	-0.1	-0.1	-0.1	0.1	0.7	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.6	0.7	0.6	0.1	0.0	0.1	-0.1	0.6	0.0	-0.1	0.3	0.1
HWQ14 - Lake Washington	0.5	0.6	0.2	0.6	0.2	0.1	-0.1	-0.1	0.0	0.1	0.1	0.2
HWQ16 - Bayou Grand Liard	0.2	0.2	0.6	0.3	0.1	-0.1	0.1	-0.3	0.1	0.3	0.9	0.2
CRMS 3985	0.1	0.3	0.0	0.4	0.6	0.7	0.6	0.4	0.3	0.2	0.1	0.1
CRMS 0258	0.8	0.4	-0.4	0.0	0.3	1.7	2.0	1.2	0.0	-0.9	0.1	-0.2
CRMS 0224	1.0	0.6	-0.2	0.5	0.7	1.6	1.2	0.9	-0.1	-0.5	0.3	0.1
CRMS 0163	0.0	0.2	0.1	0.0	0.1	0.2	0.4	0.6	0.0	-0.3	-0.1	-0.2
CRMS 0162	0.0	0.0	0.0	0.0	0.1	0.1	0.2	0.2	1.6	1.6	0.1	-0.1

Figure WQ DO 209 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.6	10.5	10.3	9.8	9.5	9.1	9.1	8.5	9.4	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.2	8.5	7.5	8.5	8.2	7.5	6.8	7.9	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.3	10.3	9.6	8.6	7.0	6.3	6.5	6.9	7.2	8.5	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.5	10.4	10.5	10.5	10.1	8.9	8.7	9.2	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.5	8.6	7.8	7.5	7.6	7.2	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.1	9.6	9.3	8.5	7.6	7.2	7.4	7.0	8.3	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.0	9.1	9.1	8.6	7.4	6.5	6.3	6.1	6.2	7.4	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	10.0	9.5	8.6	8.0	8.0	7.1	7.3	8.3	8.9	8.5
HWQ14 - Lake Washington	10.2	9.6	10.5	9.2	8.1	6.9	6.3	6.2	6.7	8.1	9.3	9.2
HWQ16 - Bayou Grand Liard	8.1	8.7	9.2	8.1	7.0	6.4	5.9	6.7	5.9	7.2	8.7	8.3
CRMS 3985	10.9	10.2	10.6	9.2	8.0	6.9	6.6	6.9	6.7	8.0	9.5	9.4
CRMS 0258	10.1	9.5	10.0	10.3	10.9	10.9	9.6	9.9	9.5	10.4	9.1	9.3
CRMS 0224	9.7	9.2	9.9	9.9	9.8	9.5	8.6	8.9	8.4	9.5	9.0	8.9
CRMS 0163	10.5	10.3	9.4	8.7	7.3	6.5	6.7	8.6	7.4	8.1	9.4	9.4
CRMS 0162	9.4	8.9	8.8	8.2	7.0	6.3	6.0	6.1	6.3	7.7	8.2	9.0

V3PR3 HYST - cy 5 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.2	8.5	8.3	7.4	7.0	6.6	6.5	6.8	7.8	9.0	8.4
CRMS0276 - Just east of Wilkinson Canal	9.3	9.5	9.4	8.6	7.8	8.1	7.4	7.3	6.8	7.8	9.3	8.8
Barataria Waterway at Lafitte (USACE82875)	10.3	9.9	9.6	8.6	7.1	7.1	7.1	7.1	7.3	7.9	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.3	9.8	9.0	7.6	6.8	6.6	10.4	8.5	9.8	9.3	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.8	9.6	8.7	9.9	8.9	8.0	7.5	9.0	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.7	9.4	9.7	9.4	8.2	9.4	8.2	7.5	7.0	8.1	9.0	9.5
USGS 07380335 - Little Lake Near Cutoff	9.1	9.2	9.4	8.9	7.5	7.1	6.0	6.0	6.1	7.3	9.0	9.0
USGS073802516 Barataria Pass at Grand Isle	9.4	9.2	9.8	10.1	8.5	8.0	7.7	7.5	7.2	8.0	8.9	9.1
HWQ14 - Lake Washington	10.4	9.8	9.9	9.8	8.0	7.1	6.2	6.1	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.1	8.8	9.3	8.4	7.2	6.3	6.0	6.8	6.0	7.3	8.8	8.4
CRMS 3985	11.0	10.2	9.8	9.2	8.5	7.6	7.3	7.2	6.9	8.1	9.6	9.5
CRMS 0258	10.3	9.8	9.8	10.3	10.7	13.0	12.0	10.5	9.1	9.3	9.3	9.5
CRMS 0224	9.8	9.6	9.8	9.7	9.1	12.1	10.6	8.9	8.1	8.8	9.4	9.5
CRMS 0163	10.4	9.8	9.5	8.7	7.3	6.9	7.7	8.4	7.4	8.4	9.3	9.4
CRMS 0162	9.2	9.0	8.9	8.2	7.0	6.4	6.2	6.5	8.6	8.7	8.3	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.6	-1.9	-2.0	-2.4	-2.5	-2.5	-2.6	-1.7	-1.6	-0.9	-1.3
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.1	0.1	0.4	-0.5	-0.8	-0.2	-0.1	-0.1	0.5	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.5	0.0	0.0	0.1	0.8	0.6	0.2	0.2	-0.6	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.7	0.8	-0.5	-1.5	-2.9	-3.3	-2.2	1.7	-0.7	0.2	-0.6	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.2	-0.6	0.1	0.1	2.2	1.4	0.5	0.3	0.3	0.2	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.3	0.3	0.1	0.1	-0.2	1.8	1.0	0.1	-0.1	-0.2	-0.1	0.8
USGS 07380335 - Little Lake Near Cutoff	0.1	0.2	0.3	0.2	0.1	0.6	-0.3	-0.1	0.0	-0.1	-0.3	0.5
USGS073802516 Barataria Pass at Grand Isle	0.1	0.2	-0.2	0.6	-0.1	0.0	-0.3	0.4	-0.1	-0.3	0.0	0.5
HWQ14 - Lake Washington	0.2	0.2	-0.6	0.6	-0.1	0.2	-0.1	-0.1	0.0	0.0	0.1	0.2
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.3	0.2	-0.2	0.1	0.1	0.1	0.1	0.1	0.1
CRMS 3985	0.1	0.1	-0.8	0.1	0.5	0.7	0.6	0.3	0.2	0.2	0.1	0.1
CRMS 0258	0.2	0.3	-0.2	0.0	-0.2	2.1	2.4	0.6	-0.3	-1.1	0.2	0.2
CRMS 0224	0.2	0.4	-0.1	-0.2	-0.7	2.6	2.0	0.0	-0.3	-0.7	0.4	0.6
CRMS 0163	-0.1	-0.5	0.0	0.0	0.0	0.3	1.0	-0.2	0.0	0.2	-0.1	0.0
CRMS 0162	-0.2	0.1	0.1	0.0	0.0	0.2	0.2	0.3	2.2	1.0	0.2	-0.1

Figure WQ DO 210 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.8	10.8	10.2	9.7	9.1	8.5	8.2	8.2	9.2	10.0	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.5	9.3	8.3	7.9	7.9	7.1	7.7	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.5	8.3	7.3	6.6	6.2	7.1	6.9	8.2	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.8	11.0	10.7	10.1	9.3	8.3	8.0	8.8	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.5	9.3	8.6	7.8	7.4	7.4	7.4	8.8	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.0	9.4	8.7	7.6	7.4	7.5	7.3	8.5	8.8	8.7
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	9.4	8.7	8.0	6.8	6.6	6.3	6.4	7.3	8.5	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.2	9.6	8.9	8.2	8.3	7.2	7.6	8.5	8.9	8.6
HWQ14 - Lake Washington	10.3	9.7	10.6	9.0	8.2	7.3	6.7	6.8	7.0	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.1	7.7	6.6	6.1	6.7	6.0	6.8	7.9	8.3
CRMS 3985	10.9	10.2	10.0	8.9	8.1	7.1	6.8	6.7	6.8	8.1	9.6	9.5
CRMS 0258	10.2	9.9	10.5	10.3	11.3	11.1	9.4	9.5	9.7	10.2	9.6	9.3
CRMS 0224	9.8	9.6	10.4	10.0	10.1	9.6	8.8	8.9	8.4	9.7	9.0	8.7
CRMS 0163	10.8	10.3	9.3	8.4	7.4	6.7	6.5	8.4	7.0	8.1	9.4	9.6
CRMS 0162	10.0	9.5	8.9	8.2	7.3	6.5	6.0	6.2	6.5	7.2	8.2	9.0

V3PR4 HYST - cy 5 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	9.4	8.4	7.9	7.7	7.0	6.7	6.6	6.8	7.9	9.2	9.4
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.4	8.6	9.8	7.7	7.4	7.3	6.9	8.6	8.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.4	7.4	7.1	6.6	7.1	6.9	8.4	9.3	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	11.5	10.3	9.8	8.8	7.8	6.9	6.9	9.3	8.1	9.4	8.9	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.4	9.9	9.4	10.0	9.9	9.3	8.3	7.5	8.9	9.9	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	10.1	10.0	9.0	9.3	8.7	7.7	8.1	7.2	8.5	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.5	9.7	9.7	8.8	8.7	7.2	6.1	6.0	6.1	7.2	8.9	8.4
USGS073802516 Barataria Pass at Grand Isle	9.8	9.6	9.8	9.8	9.5	8.4	7.6	7.7	7.2	8.2	9.1	8.8
HWQ14 - Lake Washington	10.6	10.1	9.7	9.8	8.7	7.3	6.3	5.9	6.6	8.1	9.5	9.6
HWQ16 - Bayou Grand Liard	8.3	9.0	9.1	8.5	7.6	6.2	6.0	5.9	5.9	6.9	8.8	8.2
CRMS 3985	11.0	10.3	9.8	9.4	9.0	7.8	7.6	7.4	7.0	8.1	9.7	9.5
CRMS 0258	10.7	10.2	9.9	9.6	12.8	13.5	12.9	11.4	9.6	10.1	9.2	9.8
CRMS 0224	10.5	10.2	9.9	9.3	11.1	11.2	9.2	9.8	8.3	9.6	9.0	9.3
CRMS 0163	10.7	10.3	9.4	8.4	7.5	7.3	7.2	8.7	6.8	7.9	9.3	9.3
CRMS 0162	9.7	9.3	8.9	8.2	7.4	6.6	6.0	6.4	7.1	7.8	8.3	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.9	-0.4	-2.4	-2.3	-2.0	-2.1	-1.8	-1.6	-1.3	-1.2	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.1	0.5	-0.6	-0.5	-0.5	-0.3	0.9	0.3	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.1	0.1	0.5	0.4	0.0	0.0	0.1	-0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.8	0.5	-1.2	-1.8	-2.4	-2.5	-1.4	1.3	-0.8	-0.2	-1.0	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.4	-0.7	0.1	1.4	2.0	1.9	1.0	0.1	0.1	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	0.7	-0.1	-0.4	0.6	1.1	0.4	0.7	-0.1	0.1	0.2	0.4
USGS 07380335 - Little Lake Near Cutoff	0.4	0.5	0.4	0.1	0.7	0.5	-0.4	-0.3	-0.3	0.0	0.4	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.5	0.5	-0.4	0.1	0.6	0.2	-0.7	0.6	-0.4	-0.3	0.3	0.2
HWQ14 - Lake Washington	0.4	0.4	-0.9	0.7	0.5	0.0	-0.4	-0.9	-0.4	-0.1	-0.1	0.1
HWQ16 - Bayou Grand Liard	0.1	0.2	0.5	0.4	-0.1	-0.4	-0.1	-0.7	-0.1	0.1	0.8	-0.1
CRMS 3985	0.1	0.2	-0.2	0.5	0.9	0.6	0.9	0.6	0.1	0.0	0.1	0.0
CRMS 0258	0.5	0.3	-0.6	-0.7	1.5	2.4	3.6	1.9	-0.1	-0.1	-0.4	0.6
CRMS 0224	0.7	0.6	-0.5	-0.7	1.0	1.6	0.4	0.8	-0.2	-0.1	-0.1	0.6
CRMS 0163	-0.1	0.0	0.1	0.0	0.0	0.5	0.7	0.3	-0.2	-0.1	-0.1	-0.3
CRMS 0162	-0.3	-0.2	0.0	0.0	0.1	0.1	0.0	0.2	0.7	0.6	0.1	-0.3

Figure WQ DO 211 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.9	9.3	8.5	8.2	7.9	9.0	9.8	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.4	8.8	8.1	8.2	7.4	6.7	6.8	8.3	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.5	7.3	8.1	7.0	7.3	7.2	8.5	9.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	10.9	10.9	10.4	9.8	8.7	8.4	8.1	9.1	9.7	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.7	7.7	7.2	7.2	7.1	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.2	9.4	8.6	7.6	7.2	6.8	6.9	7.8	8.9	8.6
USGS 07380335 - Little Lake Near Cutoff	9.1	9.4	9.6	9.2	7.5	6.4	6.2	6.1	6.1	7.6	9.1	8.4
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.3	9.7	8.8	7.9	7.7	6.5	6.8	7.9	8.9	8.4
HWQ14 - Lake Washington	10.2	9.7	10.6	9.0	7.8	6.8	6.3	6.2	6.7	8.1	9.2	9.1
HWQ16 - Bayou Grand Liard	8.2	8.9	8.7	8.3	7.3	6.1	6.7	8.6	6.5	7.9	8.6	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.9	6.8	6.6	6.8	6.7	8.0	9.5	9.4
CRMS 0258	10.2	9.9	10.7	10.4	11.6	11.2	9.1	8.7	9.4	9.3	9.7	9.3
CRMS 0224	9.7	9.7	10.6	10.1	9.9	9.5	8.7	8.2	8.3	8.6	9.4	8.8
CRMS 0163	10.7	10.1	9.2	8.6	7.5	8.6	7.7	8.6	7.1	8.4	9.3	9.6
CRMS 0162	9.9	9.5	8.9	8.2	7.3	6.8	6.3	6.6	8.0	9.1	8.2	8.9

V3PR4 HYST - cy 5 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	8.7	8.4	8.2	7.7	6.9	6.5	6.5	6.9	7.9	9.1	8.7
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.4	9.3	9.2	8.3	7.6	7.0	6.5	8.2	9.2	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.6	7.4	8.0	7.0	7.3	7.2	8.2	9.1	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.5	9.7	9.0	7.8	9.3	9.0	8.1	6.6	8.0	8.7	9.4
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	9.9	9.7	9.8	8.9	7.8	7.8	7.7	8.8	9.9	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	10.7	9.9	9.4	8.8	8.7	7.5	6.9	7.2	8.1	9.2	9.4
USGS 07380335 - Little Lake Near Cutoff	9.5	10.2	9.7	9.1	8.2	7.0	6.5	6.2	6.4	7.4	9.0	8.7
USGS073802516 Barataria Pass at Grand Isle	9.8	10.1	9.9	10.2	9.4	8.3	8.1	6.6	7.2	8.0	9.0	8.9
HWQ14 - Lake Washington	10.6	10.3	9.9	10.1	8.8	7.1	6.4	6.3	7.1	8.4	9.5	9.8
HWQ16 - Bayou Grand Liard	8.3	9.3	9.3	8.8	7.4	6.1	6.9	8.3	6.6	7.8	8.8	8.2
CRMS 3985	11.0	10.4	9.9	9.4	8.8	7.4	7.0	7.4	7.5	8.5	9.9	9.6
CRMS 0258	10.7	10.4	10.0	10.7	12.1	10.9	9.0	8.4	8.7	8.8	9.4	9.5
CRMS 0224	10.5	10.5	9.9	10.0	10.6	10.0	8.7	8.2	8.1	8.1	9.5	9.3
CRMS 0163	10.7	10.2	9.3	8.6	7.5	8.8	7.6	7.5	8.1	8.4	9.2	9.4
CRMS 0162	9.7	9.4	8.9	8.3	7.4	7.2	6.8	7.9	8.8	8.6	8.3	8.7

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.0	-1.1	-2.4	-2.3	-2.2	-2.4	-2.1	-1.8	-1.0	-1.1	-0.7	-0.9
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.6	1.1	0.0	0.2	0.3	-0.2	-0.1	0.3	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.1	-0.1	0.1	0.0	0.0	-0.3	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.7	0.7	-1.2	-2.0	-2.7	-0.5	0.3	-0.3	-1.6	-1.1	-1.0	0.0
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.5	-0.7	0.3	1.1	1.2	0.5	0.6	0.6	0.1	0.3	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	1.3	-0.3	-0.1	0.3	1.1	0.3	0.2	0.3	0.4	0.3	0.8
USGS 07380335 - Little Lake Near Cutoff	0.4	0.8	0.1	-0.1	0.7	0.6	0.3	0.1	0.3	-0.1	-0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.5	0.9	-0.4	0.5	0.6	0.4	0.4	0.1	0.3	0.1	0.1	0.4
HWQ14 - Lake Washington	0.4	0.6	-0.7	1.1	0.9	0.3	0.1	0.2	0.5	0.3	0.4	0.7
HWQ16 - Bayou Grand Liard	0.1	0.3	0.6	0.5	0.2	0.0	0.2	-0.3	0.1	-0.1	0.2	0.1
CRMS 3985	0.1	0.2	-0.2	0.5	0.9	0.6	0.4	0.6	0.8	0.5	0.3	0.2
CRMS 0258	0.6	0.5	-0.8	0.3	0.5	-0.3	-0.1	-0.3	-0.7	-0.5	-0.3	0.2
CRMS 0224	0.7	0.8	-0.7	0.0	0.7	0.5	-0.1	0.0	-0.2	-0.5	0.1	0.6
CRMS 0163	-0.1	0.1	0.1	0.0	0.0	0.2	-0.1	-1.1	1.0	0.0	-0.1	-0.1
CRMS 0162	-0.2	-0.1	0.1	0.1	0.1	0.4	0.4	1.3	0.7	-0.5	0.1	-0.2

Figure WQ DO 212 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.7	10.5	10.1	9.2	8.2	7.8	7.7	7.5	8.9	9.8	10.0
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.2	8.5	8.0	7.4	6.9	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.8	7.1	8.1	7.4	6.7	7.9	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.6	10.7	10.4	9.9	9.3	8.3	8.1	8.0	9.0	9.8	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.4	8.5	7.6	7.6	7.5	7.3	8.6	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.3	9.7	9.3	8.6	7.6	7.1	6.4	6.9	7.5	8.8	8.8
USGS 07380335 - Little Lake Near Cutoff	9.0	9.2	9.3	8.6	7.6	6.4	6.2	7.3	6.4	7.9	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	9.8	9.4	8.9	7.7	7.1	6.8	6.6	7.7	8.6	8.6
HWQ14 - Lake Washington	10.2	9.7	10.4	9.2	8.2	7.2	6.4	6.2	6.8	8.2	9.2	9.2
HWQ16 - Bayou Grand Liard	8.0	8.7	8.5	7.9	6.9	6.3	7.7	8.2	7.0	8.1	8.2	7.9
CRMS 3985	10.9	10.2	10.7	9.1	7.8	6.9	7.1	7.3	7.0	8.0	9.6	9.5
CRMS 0258	10.1	9.8	10.1	10.3	11.2	9.9	8.4	8.2	8.7	9.2	9.2	9.5
CRMS 0224	9.7	9.5	9.9	9.8	9.7	9.3	8.7	7.6	7.5	7.6	9.0	9.1
CRMS 0163	10.6	10.4	9.8	8.8	7.8	7.1	9.4	8.8	9.1	7.8	9.2	9.5
CRMS 0162	9.4	9.5	8.7	8.1	7.5	7.2	6.9	8.0	8.2	8.4	8.3	8.7

V3PR4 HYST - cy 5 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.3	9.2	8.7	7.6	6.8	6.5	6.6	7.0	7.8	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.3	8.7	8.3	7.7	7.3	7.6	7.2	8.4	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.8	7.1	8.4	6.9	7.5	7.8	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.6	9.8	9.4	8.5	8.2	8.7	8.0	6.7	7.7	8.7	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.3	10.2	9.4	8.9	8.0	7.9	8.0	7.6	8.7	9.9	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	10.3	10.5	9.4	8.8	7.9	7.5	6.7	7.2	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.1	9.7	10.2	8.9	7.6	6.9	6.5	7.0	6.3	7.4	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	9.4	9.7	10.6	9.4	8.9	8.2	7.8	6.6	7.1	7.8	8.7	8.9
HWQ14 - Lake Washington	10.4	10.1	11.0	9.3	8.1	7.3	6.6	6.6	7.3	8.4	9.5	10.1
HWQ16 - Bayou Grand Liard	8.0	8.9	8.6	8.0	7.0	6.4	7.4	8.1	6.8	7.7	8.2	7.9
CRMS 3985	11.0	10.3	10.0	9.0	8.2	7.2	7.3	7.7	7.5	8.5	9.9	9.7
CRMS 0258	10.3	10.2	10.8	10.2	11.2	9.8	8.3	8.1	8.1	8.0	9.5	9.4
CRMS 0224	9.8	10.2	10.7	9.9	9.8	9.3	8.4	7.7	7.7	7.8	9.6	9.1
CRMS 0163	10.4	10.3	9.7	8.8	7.8	7.3	8.5	8.2	8.4	8.4	9.2	9.3
CRMS 0162	9.0	9.2	8.7	8.4	7.6	7.6	10.2	9.1	7.7	8.7	8.3	8.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	-0.4	-1.3	-1.4	-1.6	-1.4	-1.4	-1.1	-0.5	-1.0	-0.7	-0.5
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.1	0.1	0.3	0.2	0.3	0.4	0.6	0.9	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.0	0.0	0.3	-0.6	0.8	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.6	1.0	-0.9	-1.0	-1.5	-1.1	0.4	-0.1	-1.4	-1.3	-1.0	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.4	-0.3	0.0	0.5	0.3	0.3	0.4	0.4	0.1	0.4	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	1.0	0.8	0.1	0.1	0.3	0.4	0.4	0.3	0.5	0.4	0.3
USGS 07380335 - Little Lake Near Cutoff	0.1	0.5	1.0	0.4	0.0	0.5	0.3	-0.3	0.0	-0.5	0.1	0.1
USGS073802516 Barataria Pass at Grand Isle	0.1	0.6	0.7	0.0	0.1	0.5	0.7	-0.2	0.5	0.1	0.1	0.3
HWQ14 - Lake Washington	0.1	0.5	0.6	0.1	0.0	0.1	0.3	0.4	0.6	0.3	0.4	0.8
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.1	0.1	0.1	-0.2	-0.1	-0.3	-0.5	0.0	0.0
CRMS 3985	0.0	0.1	-0.7	-0.1	0.3	0.3	0.2	0.4	0.5	0.5	0.3	0.2
CRMS 0258	0.2	0.4	0.6	-0.1	0.1	-0.1	-0.1	-0.1	-0.6	-1.2	0.3	-0.1
CRMS 0224	0.2	0.7	0.9	0.1	0.2	-0.1	-0.3	0.1	0.2	0.1	0.6	0.0
CRMS 0163	-0.1	-0.1	0.0	0.0	0.0	0.2	-0.9	-0.7	-0.7	0.5	0.0	-0.2
CRMS 0162	-0.3	-0.3	0.0	0.3	0.1	0.4	3.3	1.1	-0.5	0.3	0.0	-0.3

Figure WQ DO 213 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.7	9.2	8.8	8.8	8.5	9.4	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.6	8.7	8.3	7.5	7.4	7.1	6.8	7.6	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.6	8.6	7.6	6.6	6.4	6.5	7.0	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	11.0	10.9	10.1	10.1	8.8	8.7	9.2	9.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.6	7.5	7.3	7.4	7.1	8.6	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.5	10.3	9.4	8.6	7.6	7.2	7.3	7.0	8.3	8.7	8.7
USGS 07380335 - Little Lake Near Cutoff	9.2	9.5	10.2	9.0	7.7	6.3	6.1	6.0	6.1	7.1	8.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.4	9.3	10.3	9.6	8.8	7.8	7.6	6.8	7.2	8.3	8.7	8.6
HWQ14 - Lake Washington	10.2	9.7	10.5	9.0	7.9	6.9	6.2	6.1	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.4	9.1	8.7	8.2	7.0	6.3	5.9	6.4	5.9	7.0	7.9	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.8	6.7	6.6	6.9	6.7	7.9	9.6	9.4
CRMS 0258	10.2	10.0	10.7	10.5	11.5	10.6	9.6	10.1	9.4	10.5	9.4	9.3
CRMS 0224	9.8	9.7	10.5	10.2	9.8	9.3	8.5	8.9	8.5	9.6	8.9	8.7
CRMS 0163	10.7	10.0	9.4	8.6	7.7	6.8	6.5	7.0	7.1	8.1	9.3	9.5
CRMS 0162	10.0	9.5	8.9	8.2	7.5	6.5	6.0	6.0	6.4	7.3	8.2	8.7

V3PR4 HYST - cy 5 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	8.7	8.5	8.2	7.7	7.0	6.6	6.7	6.9	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.0	10.0	9.7	9.3	8.6	7.5	7.2	7.2	6.7	8.3	8.8	8.4
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.7	8.6	7.7	6.9	6.6	6.7	6.9	8.0	9.2	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.4	9.9	9.0	7.9	7.1	7.5	9.6	7.6	8.7	8.8	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.5	10.0	9.8	8.9	9.0	8.6	8.4	7.5	8.9	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.7	10.1	9.6	8.5	8.6	7.4	8.0	7.2	8.4	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	10.3	10.0	9.2	7.6	6.9	6.1	6.0	6.1	7.3	9.0	8.4
USGS073802516 Barataria Pass at Grand Isle	10.3	10.2	10.4	10.2	8.8	8.2	7.4	7.4	7.1	8.1	9.1	8.7
HWQ14 - Lake Washington	10.8	10.4	10.3	10.0	8.1	6.9	6.2	6.0	6.6	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.7	9.5	9.4	8.6	7.2	6.3	6.0	6.0	5.9	7.3	8.6	8.3
CRMS 3985	11.1	10.4	10.0	9.3	8.6	7.5	7.3	7.4	6.9	8.1	9.6	9.5
CRMS 0258	11.2	10.4	10.2	10.7	11.9	12.6	11.6	11.6	9.3	9.5	9.4	9.2
CRMS 0224	11.1	10.5	10.1	10.3	10.1	10.7	8.4	10.3	8.4	9.3	9.1	8.8
CRMS 0163	10.7	10.1	9.5	8.6	7.7	7.1	6.9	7.5	7.1	7.7	9.2	9.3
CRMS 0162	10.0	9.5	9.0	8.3	7.5	6.6	6.2	6.2	8.3	8.5	8.3	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.8	-1.2	-2.3	-2.3	-2.0	-2.2	-2.2	-2.1	-1.6	-1.5	-0.8	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.3	0.0	0.1	0.5	0.3	-0.1	-0.2	0.1	-0.1	0.7	0.2	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.1	0.3	0.2	0.1	-0.1	-0.2	0.0	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.6	0.6	-1.1	-1.9	-2.3	-2.9	-1.3	0.8	-1.6	-0.9	-1.2	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.5	-0.6	0.5	0.3	1.5	1.3	1.0	0.3	0.3	0.1	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.4	1.2	-0.2	0.2	-0.1	1.0	0.3	0.7	0.1	0.1	0.4	0.3
USGS 07380335 - Little Lake Near Cutoff	0.9	0.9	-0.2	0.2	0.0	0.6	-0.1	0.0	0.0	0.1	0.6	0.0
USGS073802516 Barataria Pass at Grand Isle	0.9	1.0	0.2	0.6	0.1	0.3	-0.2	0.6	-0.1	-0.2	0.4	0.2
HWQ14 - Lake Washington	0.6	0.7	-0.1	1.0	0.2	0.1	0.0	-0.2	0.0	0.0	0.1	0.2
HWQ16 - Bayou Grand Liard	0.3	0.4	0.7	0.4	0.2	0.0	0.1	-0.3	0.0	0.3	0.7	0.2
CRMS 3985	0.2	0.3	-0.1	0.5	0.8	0.8	0.7	0.5	0.3	0.2	0.1	0.1
CRMS 0258	0.9	0.5	-0.5	0.2	0.5	2.0	2.1	1.5	-0.1	-1.0	0.0	-0.1
CRMS 0224	1.3	0.8	-0.4	0.1	0.2	1.5	-0.1	1.4	-0.1	-0.4	0.3	0.1
CRMS 0163	0.0	0.2	0.1	0.0	0.1	0.3	0.4	0.5	-0.1	-0.3	-0.1	-0.2
CRMS 0162	0.0	0.0	0.1	0.0	0.0	0.2	0.2	0.2	2.0	1.2	0.1	-0.1

Figure WQ DO 214 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.6	10.5	10.3	9.8	9.5	9.1	9.1	8.5	9.4	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.2	8.5	7.5	8.5	8.2	7.5	6.8	7.9	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.3	10.3	9.6	8.6	7.0	6.3	6.5	6.9	7.2	8.5	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.5	10.4	10.5	10.5	10.1	8.9	8.7	9.2	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.5	8.6	7.8	7.5	7.6	7.2	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.1	9.6	9.3	8.5	7.6	7.2	7.4	7.0	8.3	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.0	9.1	9.1	8.6	7.4	6.5	6.3	6.1	6.2	7.4	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	10.0	9.5	8.6	8.0	8.0	7.1	7.3	8.3	8.9	8.5
HWQ14 - Lake Washington	10.2	9.6	10.5	9.2	8.1	6.9	6.3	6.2	6.7	8.1	9.3	9.2
HWQ16 - Bayou Grand Liard	8.1	8.7	9.2	8.1	7.0	6.4	5.9	6.7	5.9	7.2	8.7	8.3
CRMS 3985	10.9	10.2	10.6	9.2	8.0	6.9	6.6	6.9	6.7	8.0	9.5	9.4
CRMS 0258	10.1	9.5	10.0	10.3	10.9	10.9	9.6	9.9	9.5	10.4	9.1	9.3
CRMS 0224	9.7	9.2	9.9	9.9	9.8	9.5	8.6	8.9	8.4	9.5	9.0	8.9
CRMS 0163	10.5	10.3	9.4	8.7	7.3	6.5	6.7	8.6	7.4	8.1	9.4	9.4
CRMS 0162	9.4	8.9	8.8	8.2	7.0	6.3	6.0	6.1	6.3	7.7	8.2	9.0

V3PR4 HYST - cy 5 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.2	8.4	8.2	7.4	7.0	6.6	6.5	6.9	7.9	9.1	8.3
CRMS0276 - Just east of Wilkinson Canal	9.3	9.5	9.3	8.7	7.8	7.9	7.3	7.4	6.8	7.8	9.1	8.9
Barataria Waterway at Lafitte (USACE82875)	10.4	9.9	9.6	8.6	7.1	7.2	7.1	6.9	7.3	8.1	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	9.9	9.9	9.0	7.6	6.8	7.4	8.7	7.1	8.5	8.8	9.9
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.8	9.5	8.2	10.3	9.0	8.1	7.5	9.0	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	9.9	9.1	7.8	9.1	8.2	7.6	7.1	8.3	9.2	9.8
USGS 07380335 - Little Lake Near Cutoff	9.1	9.2	9.5	8.8	7.4	7.5	6.1	6.0	6.1	7.3	8.9	9.2
USGS073802516 Barataria Pass at Grand Isle	9.4	9.1	9.6	9.8	8.4	8.5	7.7	7.6	7.1	8.1	8.9	9.3
HWQ14 - Lake Washington	10.4	9.8	9.8	9.8	8.1	7.3	6.2	6.0	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.1	8.8	9.2	8.5	7.2	6.4	6.0	6.7	6.0	7.3	8.8	8.5
CRMS 3985	11.0	10.2	9.8	9.2	8.5	7.9	7.4	7.2	6.9	8.1	9.6	9.6
CRMS 0258	10.2	9.8	9.9	9.8	10.0	13.7	12.6	10.6	9.1	9.3	9.3	9.6
CRMS 0224	9.8	9.6	9.9	9.3	8.5	11.7	10.1	9.1	8.2	9.0	9.5	9.7
CRMS 0163	10.4	9.9	9.5	8.6	7.3	7.0	7.9	8.5	7.5	8.0	9.3	9.4
CRMS 0162	9.2	9.0	8.9	8.3	7.0	6.5	6.2	6.4	9.0	8.9	8.4	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.6	-2.1	-2.1	-2.5	-2.5	-2.5	-2.6	-1.6	-1.5	-0.9	-1.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.0	0.2	0.4	-0.6	-0.9	-0.1	0.0	-0.1	0.3	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	-0.4	0.0	0.0	0.0	0.9	0.6	0.0	0.1	-0.4	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.6	0.4	-0.5	-1.5	-2.9	-3.3	-1.5	0.0	-2.0	-1.1	-1.1	0.3
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.2	-0.6	0.1	-0.4	2.5	1.5	0.5	0.3	0.3	0.2	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.3	0.2	-0.2	-0.7	1.4	0.9	0.3	0.1	0.0	0.1	1.1
USGS 07380335 - Little Lake Near Cutoff	0.1	0.2	0.4	0.2	0.0	1.1	-0.2	-0.1	0.0	-0.1	-0.3	0.7
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.3	0.3	-0.3	0.6	-0.3	0.5	-0.2	-0.2	0.0	0.8
HWQ14 - Lake Washington	0.2	0.2	-0.7	0.6	-0.1	0.5	-0.1	-0.2	0.0	0.0	0.1	0.2
HWQ16 - Bayou Grand Liard	0.0	0.1	0.0	0.4	0.2	0.0	0.1	0.0	0.1	0.1	0.1	0.2
CRMS 3985	0.1	0.1	-0.8	0.0	0.5	1.0	0.7	0.3	0.2	0.2	0.1	0.2
CRMS 0258	0.1	0.3	-0.1	-0.5	-0.9	2.8	2.9	0.7	-0.4	-1.1	0.2	0.3
CRMS 0224	0.1	0.4	0.0	-0.6	-1.3	2.2	1.5	0.2	-0.2	-0.6	0.5	0.7
CRMS 0163	-0.1	-0.4	0.0	0.0	0.1	0.5	1.2	-0.1	0.1	-0.1	-0.1	0.0
CRMS 0162	-0.2	0.1	0.1	0.1	0.0	0.2	0.2	0.3	2.7	1.2	0.2	-0.1

Figure WQ DO 215 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.8	10.8	10.2	9.7	9.1	8.5	8.2	8.2	9.2	10.0	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.5	9.3	8.3	7.9	7.9	7.1	7.7	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.5	8.3	7.3	6.6	6.2	7.1	6.9	8.2	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.8	11.0	10.7	10.1	9.3	8.3	8.0	8.8	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.5	9.3	8.6	7.8	7.4	7.4	7.4	8.8	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.0	9.4	8.7	7.6	7.4	7.5	7.3	8.5	8.8	8.7
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	9.4	8.7	8.0	6.8	6.6	6.3	6.4	7.3	8.5	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.2	9.6	8.9	8.2	8.3	7.2	7.6	8.5	8.9	8.6
HWQ14 - Lake Washington	10.3	9.7	10.6	9.0	8.2	7.3	6.7	6.8	7.0	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.1	7.7	6.6	6.1	6.7	6.0	6.8	7.9	8.3
CRMS 3985	10.9	10.2	10.0	8.9	8.1	7.1	6.8	6.7	6.8	8.1	9.6	9.5
CRMS 0258	10.2	9.9	10.5	10.3	11.3	11.1	9.4	9.5	9.7	10.2	9.6	9.3
CRMS 0224	9.8	9.6	10.4	10.0	10.1	9.6	8.8	8.9	8.4	9.7	9.0	8.7
CRMS 0163	10.8	10.3	9.3	8.4	7.4	6.7	6.5	8.4	7.0	8.1	9.4	9.6
CRMS 0162	10.0	9.5	8.9	8.2	7.3	6.5	6.0	6.2	6.5	7.2	8.2	9.0

V3PR5 HYST - cy 5 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.0	9.4	8.4	7.9	7.7	7.0	6.7	6.5	6.8	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.6	9.7	9.4	8.6	9.8	7.7	7.3	7.4	6.8	8.1	8.9	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.6	8.4	7.4	7.2	6.7	7.1	6.9	8.3	9.3	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.4	10.3	9.7	8.8	7.7	6.8	6.6	9.6	7.9	9.5	9.0	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.4	9.9	9.1	9.2	9.5	8.8	8.7	7.6	8.9	9.9	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.4	10.1	10.0	9.1	9.7	9.3	8.0	8.0	7.3	8.6	9.0	9.1
USGS 07380335 - Little Lake Near Cutoff	9.4	9.7	9.7	8.8	8.9	7.3	6.2	6.0	6.1	7.2	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.8	9.6	9.8	9.8	9.4	8.4	7.6	7.8	7.2	8.3	9.1	8.8
HWQ14 - Lake Washington	10.7	10.1	9.7	9.7	8.9	7.4	6.4	5.9	6.5	8.1	9.5	9.6
HWQ16 - Bayou Grand Liard	8.3	8.9	9.1	8.5	7.5	6.2	6.0	5.9	5.9	6.9	8.7	8.2
CRMS 3985	11.0	10.4	9.8	9.4	9.3	8.2	8.0	7.5	7.0	8.1	9.7	9.5
CRMS 0258	10.7	10.2	9.9	9.8	12.8	13.5	12.9	11.0	9.6	10.1	9.1	9.9
CRMS 0224	10.4	10.1	9.9	9.4	11.5	11.8	10.2	9.5	8.3	9.7	8.9	9.3
CRMS 0163	10.7	10.3	9.4	8.4	7.5	7.3	7.2	8.5	6.8	7.9	9.3	9.3
CRMS 0162	9.7	9.3	8.9	8.2	7.3	6.5	6.0	6.5	7.1	8.0	8.3	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.9	-0.4	-2.4	-2.3	-2.0	-2.1	-1.8	-1.6	-1.4	-1.3	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.0	-0.1	0.0	0.1	0.5	-0.6	-0.6	-0.4	-0.3	0.4	0.3	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.1	0.1	0.6	0.5	0.0	0.0	0.1	-0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.7	0.5	-1.3	-1.9	-2.4	-2.6	-1.6	1.6	-1.0	-0.1	-0.9	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.5	-0.7	-0.2	0.6	1.6	1.4	1.3	0.1	0.1	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.8	0.7	-0.1	-0.3	1.0	1.7	0.7	0.5	-0.1	0.1	0.2	0.4
USGS 07380335 - Little Lake Near Cutoff	0.3	0.4	0.3	0.1	0.9	0.5	-0.4	-0.3	-0.3	0.0	0.3	0.0
USGS073802516 Barataria Pass at Grand Isle	0.5	0.5	-0.4	0.2	0.5	0.1	-0.7	0.6	-0.4	-0.2	0.3	0.2
HWQ14 - Lake Washington	0.4	0.4	-0.9	0.7	0.6	0.1	-0.3	-0.9	-0.5	-0.1	0.0	0.1
HWQ16 - Bayou Grand Liard	0.1	0.1	0.5	0.4	-0.1	-0.4	-0.1	-0.8	-0.1	0.0	0.7	-0.1
CRMS 3985	0.1	0.2	-0.2	0.5	1.2	1.1	1.2	0.8	0.1	0.0	0.0	0.0
CRMS 0258	0.4	0.3	-0.6	-0.5	1.4	2.3	3.5	1.5	-0.1	-0.1	-0.4	0.6
CRMS 0224	0.6	0.5	-0.5	-0.6	1.4	2.2	1.5	0.5	-0.2	0.0	-0.1	0.6
CRMS 0163	-0.1	0.0	0.1	0.0	0.0	0.6	0.7	0.1	-0.2	-0.2	-0.1	-0.3
CRMS 0162	-0.3	-0.2	0.0	0.0	0.0	0.1	0.1	0.3	0.6	0.8	0.1	-0.4

Figure WQ DO 216 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.9	9.3	8.5	8.2	7.9	9.0	9.8	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.4	8.8	8.1	8.2	7.4	6.7	6.8	8.3	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.5	7.3	8.1	7.0	7.3	7.2	8.5	9.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	10.9	10.9	10.4	9.8	8.7	8.4	8.1	9.1	9.7	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.7	7.7	7.2	7.2	7.1	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.2	9.4	8.6	7.6	7.2	6.8	6.9	7.8	8.9	8.6
USGS 07380335 - Little Lake Near Cutoff	9.1	9.4	9.6	9.2	7.5	6.4	6.2	6.1	6.1	7.6	9.1	8.4
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.3	9.7	8.8	7.9	7.7	6.5	6.8	7.9	8.9	8.4
HWQ14 - Lake Washington	10.2	9.7	10.6	9.0	7.8	6.8	6.3	6.2	6.7	8.1	9.2	9.1
HWQ16 - Bayou Grand Liard	8.2	8.9	8.7	8.3	7.3	6.1	6.7	8.6	6.5	7.9	8.6	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.9	6.8	6.6	6.8	6.7	8.0	9.5	9.4
CRMS 0258	10.2	9.9	10.7	10.4	11.6	11.2	9.1	8.7	9.4	9.3	9.7	9.3
CRMS 0224	9.7	9.7	10.6	10.1	9.9	9.5	8.7	8.2	8.3	8.6	9.4	8.8
CRMS 0163	10.7	10.1	9.2	8.6	7.5	8.6	7.7	8.6	7.1	8.4	9.3	9.6
CRMS 0162	9.9	9.5	8.9	8.2	7.3	6.8	6.3	6.6	8.0	9.1	8.2	8.9

V3PR5 HYST - cy 5 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.9	8.7	8.4	8.2	7.7	6.9	6.5	6.5	6.8	7.8	9.1	8.8
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.4	9.4	9.2	8.3	7.6	7.0	6.6	8.3	9.2	8.6
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.6	7.4	8.1	7.1	7.4	7.1	8.2	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	10.4	9.6	8.9	7.8	9.5	9.5	8.5	6.4	7.9	8.8	9.5
USGS7380251 Barataria Bay North of Grand Isle	11.2	10.6	9.8	9.4	8.9	9.1	7.8	7.8	7.7	8.9	9.9	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.3	10.6	9.9	9.5	9.1	8.7	7.6	7.0	7.2	8.1	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.4	10.1	9.7	9.3	8.3	6.9	6.5	6.2	6.4	7.5	9.0	8.7
USGS073802516 Barataria Pass at Grand Isle	9.8	10.1	9.9	10.3	9.4	8.3	8.1	6.6	7.1	7.9	8.9	8.9
HWQ14 - Lake Washington	10.6	10.3	9.8	10.3	8.9	7.2	6.4	6.3	7.1	8.4	9.5	9.8
HWQ16 - Bayou Grand Liard	8.3	9.3	9.3	8.8	7.4	6.0	6.9	8.3	6.7	7.7	8.8	8.2
CRMS 3985	11.1	10.4	9.9	9.6	9.0	7.5	7.0	7.4	7.5	8.5	9.9	9.6
CRMS 0258	10.7	10.4	10.0	10.7	12.1	10.8	8.9	8.3	8.6	8.2	9.5	9.4
CRMS 0224	10.4	10.4	9.9	10.2	10.9	9.7	8.6	8.2	8.1	7.9	9.4	9.2
CRMS 0163	10.7	10.3	9.3	8.6	7.5	8.8	7.7	7.6	8.3	8.5	9.2	9.4
CRMS 0162	9.7	9.4	8.9	8.3	7.3	7.2	6.7	7.9	8.6	8.6	8.3	8.7

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.9	-1.1	-2.4	-2.3	-2.2	-2.5	-2.1	-1.7	-1.1	-1.2	-0.7	-0.9
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.0	0.6	1.1	0.0	0.2	0.4	-0.2	0.0	0.3	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.1	0.1	-0.1	0.1	0.1	-0.1	-0.3	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.7	0.7	-1.3	-2.0	-2.7	-0.2	0.8	0.1	-1.7	-1.2	-0.9	0.1
USGS7380251 Barataria Bay North of Grand Isle	0.4	0.6	-0.7	0.1	0.2	1.4	0.6	0.6	0.6	0.2	0.3	0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.9	1.2	-0.3	0.1	0.6	1.1	0.4	0.2	0.3	0.3	0.3	0.7
USGS 07380335 - Little Lake Near Cutoff	0.3	0.8	0.1	0.1	0.8	0.5	0.3	0.1	0.3	-0.1	-0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.5	0.9	-0.4	0.6	0.6	0.4	0.4	0.1	0.3	0.1	0.1	0.4
HWQ14 - Lake Washington	0.4	0.7	-0.7	1.3	1.1	0.3	0.1	0.1	0.4	0.2	0.3	0.7
HWQ16 - Bayou Grand Liard	0.1	0.3	0.6	0.5	0.2	-0.1	0.2	-0.3	0.1	-0.2	0.2	0.2
CRMS 3985	0.1	0.3	-0.2	0.8	1.1	0.7	0.4	0.6	0.8	0.5	0.3	0.2
CRMS 0258	0.5	0.5	-0.8	0.3	0.5	-0.4	-0.1	-0.4	-0.8	-1.1	-0.3	0.2
CRMS 0224	0.7	0.8	-0.7	0.2	1.0	0.2	-0.1	0.0	-0.2	-0.7	0.0	0.5
CRMS 0163	-0.1	0.1	0.1	0.0	0.0	0.2	0.0	-1.0	1.2	0.1	-0.1	-0.1
CRMS 0162	-0.2	-0.1	0.1	0.0	0.1	0.4	0.4	1.2	0.6	-0.6	0.1	-0.2

Figure WQ DO 217 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.7	10.5	10.1	9.2	8.2	7.8	7.7	7.5	8.9	9.8	10.0
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.2	8.5	8.0	7.4	6.9	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.8	7.1	8.1	7.4	6.7	7.9	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.6	10.7	10.4	9.9	9.3	8.3	8.1	8.0	9.0	9.8	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.4	8.5	7.6	7.6	7.5	7.3	8.6	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.3	9.7	9.3	8.6	7.6	7.1	6.4	6.9	7.5	8.8	8.8
USGS 07380335 - Little Lake Near Cutoff	9.0	9.2	9.3	8.6	7.6	6.4	6.2	7.3	6.4	7.9	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	9.8	9.4	8.9	7.7	7.1	6.8	6.6	7.7	8.6	8.6
HWQ14 - Lake Washington	10.2	9.7	10.4	9.2	8.2	7.2	6.4	6.2	6.8	8.2	9.2	9.2
HWQ16 - Bayou Grand Liard	8.0	8.7	8.5	7.9	6.9	6.3	7.7	8.2	7.0	8.1	8.2	7.9
CRMS 3985	10.9	10.2	10.7	9.1	7.8	6.9	7.1	7.3	7.0	8.0	9.6	9.5
CRMS 0258	10.1	9.8	10.1	10.3	11.2	9.9	8.4	8.2	8.7	9.2	9.2	9.5
CRMS 0224	9.7	9.5	9.9	9.8	9.7	9.3	8.7	7.6	7.5	7.6	9.0	9.1
CRMS 0163	10.6	10.4	9.8	8.8	7.8	7.1	9.4	8.8	9.1	7.8	9.2	9.5
CRMS 0162	9.4	9.5	8.7	8.1	7.5	7.2	6.9	8.0	8.2	8.4	8.3	8.7

V3PR5 HYST - cy 5 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.3	9.2	8.8	7.6	6.9	6.5	6.6	7.0	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.4	8.7	8.4	7.7	7.3	7.6	7.1	8.6	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.8	7.1	8.5	6.8	7.5	7.7	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.6	9.9	9.5	8.6	8.6	9.2	8.5	6.6	7.8	8.8	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.4	10.1	9.5	8.9	8.0	7.9	8.0	7.6	8.8	9.9	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	10.2	10.6	9.4	8.9	7.9	7.5	6.7	7.2	7.9	9.1	9.1
USGS 07380335 - Little Lake Near Cutoff	9.1	9.7	10.3	8.9	7.7	6.9	6.5	7.0	6.4	7.4	8.8	8.5
USGS073802516 Barataria Pass at Grand Isle	9.4	9.7	10.6	9.4	8.9	8.0	7.8	6.6	7.2	7.8	8.7	8.9
HWQ14 - Lake Washington	10.4	10.2	11.0	9.3	8.2	7.3	6.6	6.6	7.3	8.4	9.5	10.0
HWQ16 - Bayou Grand Liard	8.0	8.8	8.6	8.0	7.0	6.4	7.5	8.2	6.8	7.6	8.2	7.9
CRMS 3985	11.0	10.3	9.9	9.1	8.2	7.2	7.3	7.7	7.5	8.5	9.9	9.7
CRMS 0258	10.3	10.2	10.7	10.2	11.0	9.7	8.2	8.0	7.9	8.1	9.5	9.3
CRMS 0224	9.8	10.1	10.8	9.9	9.9	9.2	8.3	7.7	7.6	7.8	9.6	9.0
CRMS 0163	10.4	10.3	9.8	8.8	7.8	7.2	8.6	8.1	8.4	8.1	9.2	9.3
CRMS 0162	9.0	9.2	8.7	8.2	7.7	8.0	9.9	9.1	7.7	8.7	8.3	8.4

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	-0.4	-1.3	-1.3	-1.6	-1.3	-1.3	-1.0	-0.6	-1.1	-0.8	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.0	0.2	0.1	0.3	0.2	0.3	0.3	0.5	1.0	-0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.0	0.0	0.3	-0.7	0.8	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.6	1.0	-0.9	-0.9	-1.4	-0.7	0.9	0.4	-1.5	-1.1	-1.0	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.5	-0.5	0.1	0.4	0.4	0.4	0.4	0.4	0.2	0.4	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	1.0	0.8	0.1	0.2	0.3	0.4	0.4	0.4	0.4	0.4	0.3
USGS 07380335 - Little Lake Near Cutoff	0.1	0.5	1.0	0.3	0.0	0.5	0.3	-0.3	0.0	-0.5	0.2	0.0
USGS073802516 Barataria Pass at Grand Isle	0.1	0.6	0.8	0.0	0.0	0.4	0.7	-0.2	0.6	0.1	0.1	0.3
HWQ14 - Lake Washington	0.2	0.5	0.5	0.1	0.0	0.1	0.3	0.3	0.6	0.2	0.4	0.8
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.1	0.1	0.1	-0.2	-0.1	-0.3	-0.5	0.0	0.0
CRMS 3985	0.0	0.1	-0.7	0.0	0.3	0.2	0.2	0.4	0.5	0.5	0.3	0.2
CRMS 0258	0.2	0.4	0.6	-0.1	-0.1	-0.2	-0.2	-0.2	-0.8	-1.1	0.3	-0.2
CRMS 0224	0.1	0.6	0.9	0.1	0.3	-0.2	-0.3	0.1	0.1	0.1	0.6	0.0
CRMS 0163	-0.1	-0.1	0.0	0.0	0.0	0.1	-0.8	-0.7	-0.7	0.3	0.0	-0.2
CRMS 0162	-0.3	-0.3	0.0	0.1	0.2	0.8	3.1	1.1	-0.5	0.3	0.0	-0.3

Figure WQ DO 218 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.7	9.2	8.8	8.8	8.5	9.4	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.6	8.7	8.3	7.5	7.4	7.1	6.8	7.6	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.6	8.6	7.6	6.6	6.4	6.5	7.0	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	11.0	10.9	10.1	10.1	8.8	8.7	9.2	9.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.6	7.5	7.3	7.4	7.1	8.6	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.5	10.3	9.4	8.6	7.6	7.2	7.3	7.0	8.3	8.7	8.7
USGS 07380335 - Little Lake Near Cutoff	9.2	9.5	10.2	9.0	7.7	6.3	6.1	6.0	6.1	7.1	8.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.4	9.3	10.3	9.6	8.8	7.8	7.6	6.8	7.2	8.3	8.7	8.6
HWQ14 - Lake Washington	10.2	9.7	10.5	9.0	7.9	6.9	6.2	6.1	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.4	9.1	8.7	8.2	7.0	6.3	5.9	6.4	5.9	7.0	7.9	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.8	6.7	6.6	6.9	6.7	7.9	9.6	9.4
CRMS 0258	10.2	10.0	10.7	10.5	11.5	10.6	9.6	10.1	9.4	10.5	9.4	9.3
CRMS 0224	9.8	9.7	10.5	10.2	9.8	9.3	8.5	8.9	8.5	9.6	8.9	8.7
CRMS 0163	10.7	10.0	9.4	8.6	7.7	6.8	6.5	7.0	7.1	8.1	9.3	9.5
CRMS 0162	10.0	9.5	8.9	8.2	7.5	6.5	6.0	6.0	6.4	7.3	8.2	8.7

V3PR5 HYST - cy 5 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.1	8.7	8.5	8.2	7.7	7.0	6.6	6.6	6.8	7.8	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.0	10.0	9.7	9.3	8.7	7.5	7.2	7.2	6.7	8.1	8.9	8.4
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.6	8.6	7.7	6.9	6.6	6.6	6.9	8.0	9.2	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	10.3	9.8	9.0	7.9	6.9	6.7	9.5	7.2	8.5	8.9	9.1
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	10.0	9.7	8.5	9.0	8.3	8.7	7.6	9.0	9.8	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.9	10.7	10.1	9.8	8.6	8.9	7.6	8.2	7.2	8.4	9.1	8.9
USGS 07380335 - Little Lake Near Cutoff	10.1	10.3	10.0	9.4	7.7	6.8	6.0	6.1	6.1	7.2	9.0	8.4
USGS073802516 Barataria Pass at Grand Isle	10.3	10.2	10.4	10.3	8.9	8.1	7.4	7.5	7.1	8.1	9.0	8.7
HWQ14 - Lake Washington	10.8	10.4	10.2	10.1	8.2	7.0	6.3	6.0	6.5	8.1	9.4	9.5
HWQ16 - Bayou Grand Liard	8.7	9.5	9.5	8.6	7.1	6.3	6.0	6.0	6.0	7.3	8.8	8.2
CRMS 3985	11.1	10.4	10.0	9.5	8.6	7.8	7.6	7.6	6.9	8.1	9.6	9.5
CRMS 0258	11.1	10.4	10.2	10.6	12.0	12.6	11.8	11.2	9.4	9.4	9.7	9.1
CRMS 0224	11.0	10.5	10.2	10.7	10.3	11.1	9.3	10.2	8.4	9.1	9.3	8.7
CRMS 0163	10.7	10.2	9.5	8.6	7.7	7.1	6.9	7.4	7.0	7.8	9.3	9.3
CRMS 0162	10.0	9.5	9.0	8.3	7.7	6.6	6.2	6.2	8.2	8.5	8.2	8.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.7	-1.2	-2.3	-2.3	-2.0	-2.2	-2.2	-2.2	-1.7	-1.6	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.3	0.0	0.2	0.6	0.4	0.0	-0.2	0.1	0.0	0.5	0.3	-0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.1	0.3	0.3	0.1	-0.1	-0.2	0.0	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.5	-1.2	-1.9	-2.3	-3.1	-2.1	0.8	-2.0	-1.1	-1.1	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.5	0.6	-0.6	0.4	0.0	1.5	1.0	1.3	0.5	0.4	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.4	1.2	-0.1	0.4	0.0	1.3	0.5	0.9	0.2	0.1	0.4	0.2
USGS 07380335 - Little Lake Near Cutoff	0.8	0.8	-0.1	0.3	0.0	0.5	-0.1	0.1	0.0	0.1	0.6	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.9	0.9	0.2	0.7	0.1	0.3	-0.2	0.7	-0.1	-0.2	0.3	0.1
HWQ14 - Lake Washington	0.6	0.7	-0.3	1.1	0.2	0.1	0.0	-0.2	-0.1	0.0	0.1	0.1
HWQ16 - Bayou Grand Liard	0.3	0.4	0.7	0.4	0.1	0.0	0.1	-0.3	0.0	0.3	0.9	0.2
CRMS 3985	0.2	0.3	-0.2	0.7	0.8	1.1	1.0	0.7	0.3	0.2	0.1	0.1
CRMS 0258	0.9	0.4	-0.5	0.0	0.5	2.0	2.2	1.1	0.0	-1.2	0.2	-0.2
CRMS 0224	1.2	0.7	-0.3	0.5	0.5	1.8	0.8	1.3	-0.1	-0.6	0.4	0.0
CRMS 0163	0.0	0.2	0.1	0.0	0.1	0.3	0.4	0.5	-0.1	-0.2	-0.1	-0.3
CRMS 0162	0.0	0.0	0.1	0.0	0.2	0.2	0.2	0.2	1.8	1.2	0.0	-0.2

Figure WQ DO 219 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.6	10.5	10.3	9.8	9.5	9.1	9.1	8.5	9.4	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.2	8.5	7.5	8.5	8.2	7.5	6.8	7.9	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.3	10.3	9.6	8.6	7.0	6.3	6.5	6.9	7.2	8.5	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.5	10.4	10.5	10.5	10.1	8.9	8.7	9.2	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.5	8.6	7.8	7.5	7.6	7.2	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.1	9.6	9.3	8.5	7.6	7.2	7.4	7.0	8.3	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.0	9.1	9.1	8.6	7.4	6.5	6.3	6.1	6.2	7.4	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	10.0	9.5	8.6	8.0	8.0	7.1	7.3	8.3	8.9	8.5
HWQ14 - Lake Washington	10.2	9.6	10.5	9.2	8.1	6.9	6.3	6.2	6.7	8.1	9.3	9.2
HWQ16 - Bayou Grand Liard	8.1	8.7	9.2	8.1	7.0	6.4	5.9	6.7	5.9	7.2	8.7	8.3
CRMS 3985	10.9	10.2	10.6	9.2	8.0	6.9	6.6	6.9	6.7	8.0	9.5	9.4
CRMS 0258	10.1	9.5	10.0	10.3	10.9	10.9	9.6	9.9	9.5	10.4	9.1	9.3
CRMS 0224	9.7	9.2	9.9	9.9	9.8	9.5	8.6	8.9	8.4	9.5	9.0	8.9
CRMS 0163	10.5	10.3	9.4	8.7	7.3	6.5	6.7	8.6	7.4	8.1	9.4	9.4
CRMS 0162	9.4	8.9	8.8	8.2	7.0	6.3	6.0	6.1	6.3	7.7	8.2	9.0

V3PR5 HYST - cy 5 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.2	8.4	8.2	7.3	7.0	6.6	6.5	6.8	7.8	9.0	8.3
CRMS0276 - Just east of Wilkinson Canal	9.3	9.5	9.3	8.7	7.8	7.9	7.2	7.4	6.8	7.8	9.2	8.9
Barataria Waterway at Lafitte (USACE82875)	10.3	9.9	9.6	8.6	7.1	7.1	7.1	7.0	7.3	7.9	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.2	10.0	9.8	9.0	7.6	6.7	6.9	9.1	6.8	8.2	8.9	9.8
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.9	9.3	7.9	9.7	9.2	8.3	7.6	9.0	9.8	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.8	9.4	9.9	9.1	7.9	9.6	8.4	7.7	7.2	8.2	9.1	9.7
USGS 07380335 - Little Lake Near Cutoff	9.1	9.2	9.5	8.8	7.5	7.8	6.0	6.0	6.1	7.3	8.9	9.2
USGS073802516 Barataria Pass at Grand Isle	9.4	9.2	9.6	9.8	8.4	8.6	7.6	7.6	7.1	8.0	8.9	9.3
HWQ14 - Lake Washington	10.4	9.8	9.8	9.8	8.1	7.5	6.3	6.0	6.6	8.1	9.4	9.5
HWQ16 - Bayou Grand Liard	8.1	8.8	9.3	8.5	7.2	6.3	6.0	6.6	6.0	7.3	8.9	8.5
CRMS 3985	11.0	10.2	9.8	9.4	8.3	8.3	7.7	7.4	7.0	8.1	9.6	9.6
CRMS 0258	10.2	9.8	9.9	10.0	10.3	13.6	12.3	10.5	9.1	9.1	9.4	9.6
CRMS 0224	9.8	9.6	9.9	9.4	8.7	12.4	10.9	9.0	8.1	8.8	9.4	9.6
CRMS 0163	10.4	9.8	9.5	8.7	7.3	6.9	7.8	8.5	7.3	8.4	9.3	9.4
CRMS 0162	9.2	9.0	8.9	8.3	7.0	6.4	6.2	6.5	9.0	8.5	8.4	8.8

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.6	-2.0	-2.1	-2.5	-2.5	-2.5	-2.7	-1.7	-1.6	-0.9	-1.4
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.1	0.2	0.4	-0.6	-1.0	-0.1	0.0	-0.1	0.4	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	-0.5	0.0	0.0	0.1	0.8	0.6	0.0	0.1	-0.5	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.6	0.5	-0.6	-1.6	-3.0	-3.4	-2.0	0.4	-2.3	-1.3	-1.0	0.2
USGS7380251 Barataria Bay North of Grand Isle	0.2	0.2	-0.6	-0.2	-0.7	1.9	1.7	0.8	0.4	0.3	0.2	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.4	0.3	0.2	-0.2	-0.6	2.0	1.2	0.3	0.1	0.0	0.0	1.1
USGS 07380335 - Little Lake Near Cutoff	0.1	0.2	0.4	0.2	0.1	1.3	-0.2	-0.1	0.0	0.0	-0.3	0.7
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.3	0.3	-0.2	0.6	-0.4	0.5	-0.1	-0.3	0.0	0.8
HWQ14 - Lake Washington	0.2	0.2	-0.7	0.6	-0.1	0.7	0.0	-0.3	-0.1	0.0	0.1	0.3
HWQ16 - Bayou Grand Liard	0.0	0.1	0.1	0.4	0.2	-0.1	0.1	0.0	0.1	0.1	0.2	0.1
CRMS 3985	0.1	0.1	-0.8	0.2	0.4	1.4	1.1	0.5	0.3	0.2	0.1	0.3
CRMS 0258	0.1	0.3	-0.1	-0.3	-0.6	2.7	2.7	0.6	-0.4	-1.3	0.2	0.3
CRMS 0224	0.1	0.3	0.0	-0.5	-1.1	2.9	2.3	0.1	-0.3	-0.8	0.4	0.7
CRMS 0163	-0.1	-0.5	0.0	0.0	0.0	0.4	1.0	-0.1	-0.1	0.2	-0.1	0.0
CRMS 0162	-0.2	0.1	0.2	0.0	0.1	0.2	0.2	0.3	2.7	0.8	0.2	-0.1

Figure WQ DO 220 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.8	10.8	10.2	9.7	9.1	8.5	8.2	8.2	9.2	10.0	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.5	9.3	8.3	7.9	7.9	7.1	7.7	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.5	8.3	7.3	6.6	6.2	7.1	6.9	8.2	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.8	11.0	10.7	10.1	9.3	8.3	8.0	8.8	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.5	9.3	8.6	7.8	7.4	7.4	7.4	8.8	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.0	9.4	8.7	7.6	7.4	7.5	7.3	8.5	8.8	8.7
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	9.4	8.7	8.0	6.8	6.6	6.3	6.4	7.3	8.5	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.2	9.6	8.9	8.2	8.3	7.2	7.6	8.5	8.9	8.6
HWQ14 - Lake Washington	10.3	9.7	10.6	9.0	8.2	7.3	6.7	6.8	7.0	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.1	7.7	6.6	6.1	6.7	6.0	6.8	7.9	8.3
CRMS 3985	10.9	10.2	10.0	8.9	8.1	7.1	6.8	6.7	6.8	8.1	9.6	9.5
CRMS 0258	10.2	9.9	10.5	10.3	11.3	11.1	9.4	9.5	9.7	10.2	9.6	9.3
CRMS 0224	9.8	9.6	10.4	10.0	10.1	9.6	8.8	8.9	8.4	9.7	9.0	8.7
CRMS 0163	10.8	10.3	9.3	8.4	7.4	6.7	6.5	8.4	7.0	8.1	9.4	9.6
CRMS 0162	10.0	9.5	8.9	8.2	7.3	6.5	6.0	6.2	6.5	7.2	8.2	9.0

V3PR6 HYST - cy 5 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	9.3	8.2	7.7	7.6	7.0	6.7	6.5	6.7	7.8	9.1	9.3
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.5	8.6	9.5	7.5	6.9	7.5	6.9	7.7	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.5	8.3	7.4	7.2	6.9	7.1	6.9	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.7	8.9	8.2	7.7	6.9	6.5	7.7	6.5	9.1	8.5	8.6
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.8	8.7	7.9	7.3	7.3	9.0	7.7	9.0	9.9	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.2	9.7	8.7	7.7	7.0	6.4	9.1	7.5	8.9	9.1	9.3
USGS 07380335 - Little Lake Near Cutoff	10.1	10.1	9.9	8.8	8.4	7.6	6.4	7.6	6.9	7.8	8.7	8.7
USGS073802516 Barataria Pass at Grand Isle	10.2	9.9	9.9	9.2	10.1	8.9	7.6	8.0	7.1	8.2	8.9	9.0
HWQ14 - Lake Washington	10.8	10.2	9.8	9.2	9.6	7.7	6.7	5.9	6.4	8.0	9.5	9.5
HWQ16 - Bayou Grand Liard	8.5	9.2	9.4	8.7	7.9	6.4	5.9	5.6	5.9	6.7	7.9	8.0
CRMS 3985	11.1	10.4	9.9	9.0	8.8	8.4	8.1	7.9	7.1	8.2	9.6	9.5
CRMS 0258	10.9	10.4	10.0	8.9	9.1	10.3	8.8	12.2	9.6	10.1	9.5	9.7
CRMS 0224	10.9	10.3	10.0	8.9	8.6	8.2	6.7	10.1	8.1	9.4	9.0	9.1
CRMS 0163	10.7	10.4	9.4	8.4	7.5	7.5	7.7	8.9	6.8	8.0	9.3	9.5
CRMS 0162	9.8	9.3	8.9	8.1	7.3	6.4	5.9	6.3	6.4	7.2	8.2	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.1	-0.5	-2.6	-2.6	-2.1	-2.1	-1.8	-1.7	-1.5	-1.4	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.1	0.2	0.2	-0.8	-1.0	-0.3	-0.2	0.0	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.0	0.0	0.1	0.6	0.7	0.0	-0.1	0.0	0.0	0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.0	-2.1	-2.5	-2.5	-2.4	-1.7	-0.3	-2.3	-0.5	-1.4	-1.1
USGS7380251 Barataria Bay North of Grand Isle	0.5	0.5	-0.8	-0.6	-0.7	-0.5	-0.1	1.7	0.3	0.2	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.4	0.8	-0.4	-0.7	-1.0	-0.6	-0.9	1.6	0.2	0.4	0.3	0.6
USGS 07380335 - Little Lake Near Cutoff	1.0	0.8	0.5	0.1	0.4	0.8	-0.1	1.3	0.4	0.6	0.1	0.2
USGS073802516 Barataria Pass at Grand Isle	0.9	0.8	-0.3	-0.4	1.2	0.7	-0.8	0.8	-0.5	-0.3	0.0	0.3
HWQ14 - Lake Washington	0.6	0.5	-0.9	0.2	1.3	0.5	0.0	-0.9	-0.6	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.3	0.4	0.8	0.5	0.2	-0.2	-0.2	-1.0	-0.1	-0.2	0.0	-0.3
CRMS 3985	0.2	0.2	-0.2	0.1	0.8	1.2	1.4	1.1	0.3	0.1	0.0	0.0
CRMS 0258	0.6	0.5	-0.5	-1.4	-2.2	-0.8	-0.6	2.7	-0.1	-0.1	-0.1	0.5
CRMS 0224	1.1	0.7	-0.4	-1.1	-1.5	-1.5	-2.0	1.1	-0.3	-0.3	0.0	0.4
CRMS 0163	-0.1	0.0	0.1	0.0	0.0	0.8	1.2	0.5	-0.2	0.0	-0.1	-0.1
CRMS 0162	-0.2	-0.2	-0.1	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.4

Figure WQ DO 221 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.9	9.3	8.5	8.2	7.9	9.0	9.8	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.4	8.8	8.1	8.2	7.4	6.7	6.8	8.3	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.5	7.3	8.1	7.0	7.3	7.2	8.5	9.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	10.9	10.9	10.4	9.8	8.7	8.4	8.1	9.1	9.7	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.7	7.7	7.2	7.2	7.1	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.2	9.4	8.6	7.6	7.2	6.8	6.9	7.8	8.9	8.6
USGS 07380335 - Little Lake Near Cutoff	9.1	9.4	9.6	9.2	7.5	6.4	6.2	6.1	6.1	7.6	9.1	8.4
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.3	9.7	8.8	7.9	7.7	6.5	6.8	7.9	8.9	8.4
HWQ14 - Lake Washington	10.2	9.7	10.6	9.0	7.8	6.8	6.3	6.2	6.7	8.1	9.2	9.1
HWQ16 - Bayou Grand Liard	8.2	8.9	8.7	8.3	7.3	6.1	6.7	8.6	6.5	7.9	8.6	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.9	6.8	6.6	6.8	6.7	8.0	9.5	9.4
CRMS 0258	10.2	9.9	10.7	10.4	11.6	11.2	9.1	8.7	9.4	9.3	9.7	9.3
CRMS 0224	9.7	9.7	10.6	10.1	9.9	9.5	8.7	8.2	8.3	8.6	9.4	8.8
CRMS 0163	10.7	10.1	9.2	8.6	7.5	8.6	7.7	8.6	7.1	8.4	9.3	9.6
CRMS 0162	9.9	9.5	8.9	8.2	7.3	6.8	6.3	6.6	8.0	9.1	8.2	8.9

V3PR6 HYST - cy 5 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.7	8.5	8.2	8.0	7.6	6.9	6.4	6.5	6.9	7.9	9.1	8.6
CRMS0276 - Just east of Wilkinson Canal	9.6	10.2	9.5	9.4	8.9	8.3	7.5	6.9	6.6	7.8	8.8	8.8
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.6	7.4	8.0	6.9	7.3	7.3	8.2	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.4	8.8	8.5	7.7	8.5	7.5	6.1	4.8	6.7	8.1	8.8
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.6	9.7	8.9	7.9	9.2	7.9	7.6	7.5	9.0	9.8	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	10.5	9.6	8.8	7.7	9.2	8.3	7.7	7.3	8.6	9.3	9.5
USGS 07380335 - Little Lake Near Cutoff	10.1	10.6	9.8	9.0	8.0	9.0	7.8	6.6	7.0	7.6	9.1	9.1
USGS073802516 Barataria Pass at Grand Isle	10.2	10.6	9.9	9.8	9.4	8.8	8.0	6.6	7.0	7.7	8.9	9.1
HWQ14 - Lake Washington	10.8	10.5	9.7	9.8	9.1	7.2	6.3	6.1	6.6	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.5	9.7	9.5	9.0	7.6	6.2	6.7	8.4	6.5	7.8	8.6	8.2
CRMS 3985	11.1	10.5	9.8	9.4	8.5	7.6	7.1	7.1	7.0	8.2	9.7	9.6
CRMS 0258	10.8	10.6	10.0	9.2	8.9	11.0	8.7	8.3	8.3	8.8	9.4	9.6
CRMS 0224	10.7	10.7	9.9	9.1	8.4	10.6	8.4	8.2	7.6	8.1	9.3	9.5
CRMS 0163	10.7	10.3	9.3	8.6	7.5	9.0	7.5	7.8	7.7	8.7	9.2	9.4
CRMS 0162	9.7	9.4	8.8	8.2	7.3	7.1	6.6	7.6	9.3	8.7	8.2	8.7

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.2	-1.3	-2.6	-2.5	-2.3	-2.4	-2.1	-1.8	-1.0	-1.1	-0.7	-1.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.1	0.6	0.8	0.0	0.1	0.2	-0.1	-0.5	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.1	-0.2	0.0	0.0	0.1	-0.3	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	-0.3	-2.1	-2.5	-2.7	-1.3	-1.1	-2.3	-3.3	-2.4	-1.5	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.5	0.6	-0.9	-0.4	-0.8	1.5	0.7	0.3	0.4	0.3	0.2	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.3	1.1	-0.6	-0.6	-0.9	1.7	1.1	0.9	0.5	0.8	0.4	0.9
USGS 07380335 - Little Lake Near Cutoff	1.0	1.3	0.2	-0.2	0.5	2.5	1.6	0.5	0.9	0.0	-0.1	0.8
USGS073802516 Barataria Pass at Grand Isle	0.9	1.4	-0.4	0.1	0.6	0.9	0.3	0.0	0.2	-0.2	0.1	0.7
HWQ14 - Lake Washington	0.5	0.8	-0.8	0.8	1.2	0.4	0.0	-0.1	-0.1	0.0	0.3	0.4
HWQ16 - Bayou Grand Liard	0.3	0.8	0.8	0.6	0.3	0.1	0.1	-0.2	0.0	-0.1	0.0	0.2
CRMS 3985	0.2	0.4	-0.3	0.5	0.6	0.8	0.5	0.3	0.3	0.2	0.2	0.2
CRMS 0258	0.6	0.7	-0.8	-1.2	-2.7	-0.2	-0.4	-0.4	-1.1	-0.5	-0.3	0.4
CRMS 0224	1.0	1.0	-0.7	-1.0	-1.6	1.2	-0.3	-0.1	-0.6	-0.5	-0.1	0.7
CRMS 0163	-0.1	0.1	0.1	0.0	0.0	0.4	-0.2	-0.8	0.6	0.3	0.0	-0.1
CRMS 0162	-0.1	-0.1	0.0	0.0	0.0	0.3	0.3	0.9	1.2	-0.4	0.0	-0.2

Figure WQ DO 222 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.7	10.5	10.1	9.2	8.2	7.8	7.7	7.5	8.9	9.8	10.0
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.2	8.5	8.0	7.4	6.9	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.8	7.1	8.1	7.4	6.7	7.9	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.6	10.7	10.4	9.9	9.3	8.3	8.1	8.0	9.0	9.8	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.4	8.5	7.6	7.6	7.5	7.3	8.6	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.3	9.7	9.3	8.6	7.6	7.1	6.4	6.9	7.5	8.8	8.8
USGS 07380335 - Little Lake Near Cutoff	9.0	9.2	9.3	8.6	7.6	6.4	6.2	7.3	6.4	7.9	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	9.8	9.4	8.9	7.7	7.1	6.8	6.6	7.7	8.6	8.6
HWQ14 - Lake Washington	10.2	9.7	10.4	9.2	8.2	7.2	6.4	6.2	6.8	8.2	9.2	9.2
HWQ16 - Bayou Grand Liard	8.0	8.7	8.5	7.9	6.9	6.3	7.7	8.2	7.0	8.1	8.2	7.9
CRMS 3985	10.9	10.2	10.7	9.1	7.8	6.9	7.1	7.3	7.0	8.0	9.6	9.5
CRMS 0258	10.1	9.8	10.1	10.3	11.2	9.9	8.4	8.2	8.7	9.2	9.2	9.5
CRMS 0224	9.7	9.5	9.9	9.8	9.7	9.3	8.7	7.6	7.5	7.6	9.0	9.1
CRMS 0163	10.6	10.4	9.8	8.8	7.8	7.1	9.4	8.8	9.1	7.8	9.2	9.5
CRMS 0162	9.4	9.5	8.7	8.1	7.5	7.2	6.9	8.0	8.2	8.4	8.3	8.7

V3PR6 HYST - cy 5 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.6	9.1	9.1	8.7	7.5	6.9	6.5	6.6	7.0	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.3	9.8	9.4	8.7	8.4	7.8	7.2	7.3	6.6	7.8	8.7	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.7	7.1	8.2	7.0	8.5	8.1	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	10.2	9.3	9.1	8.0	6.8	6.8	5.9	4.9	6.8	8.6	8.6
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	10.0	9.4	8.9	8.2	7.6	7.6	7.7	9.0	9.9	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.6	10.2	9.7	8.6	8.6	8.1	7.5	7.6	9.0	9.2	9.3
USGS 07380335 - Little Lake Near Cutoff	9.3	10.3	10.4	9.5	8.1	8.3	7.5	6.8	7.1	8.2	8.8	8.8
USGS073802516 Barataria Pass at Grand Isle	9.5	10.1	10.6	9.4	8.7	8.1	7.6	6.6	7.1	8.4	8.9	9.1
HWQ14 - Lake Washington	10.5	10.3	10.9	9.3	8.1	7.1	6.5	6.3	6.8	8.2	9.6	9.7
HWQ16 - Bayou Grand Liard	8.1	9.0	8.7	8.1	7.1	6.3	7.6	8.0	6.7	7.0	8.0	8.0
CRMS 3985	11.0	10.3	10.0	9.0	8.3	7.2	7.0	7.3	7.2	8.2	9.8	9.8
CRMS 0258	10.2	10.4	10.8	10.1	11.2	9.5	7.9	7.5	8.5	10.1	9.8	9.4
CRMS 0224	9.9	10.5	10.5	9.8	10.0	9.1	8.0	7.5	7.8	9.1	9.2	9.1
CRMS 0163	10.5	10.3	9.8	8.8	7.8	7.1	8.6	8.1	8.7	8.1	9.2	9.4
CRMS 0162	9.2	9.2	8.8	8.3	7.5	7.8	8.7	9.9	8.7	7.4	8.3	8.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.2	-0.6	-1.4	-1.4	-1.7	-1.4	-1.3	-1.0	-0.5	-1.0	-0.7	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.2	0.1	0.4	0.4	0.2	0.1	-0.1	0.2	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.0	0.1	0.0	0.0	0.0	0.1	-0.5	1.8	0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.6	-1.4	-1.3	-2.0	-2.6	-1.5	-2.2	-3.2	-2.1	-1.2	-1.1
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.6	-0.5	0.0	0.4	0.5	0.0	0.1	0.4	0.3	0.3	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.3	0.4	0.4	0.0	1.0	1.0	1.2	0.7	1.5	0.5	0.5
USGS 07380335 - Little Lake Near Cutoff	0.3	1.1	1.1	0.9	0.5	1.8	1.3	-0.5	0.7	0.3	0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.2	1.1	0.8	0.0	-0.1	0.5	0.5	-0.1	0.5	0.6	0.3	0.5
HWQ14 - Lake Washington	0.2	0.6	0.5	0.0	-0.1	-0.1	0.2	0.1	0.0	0.1	0.4	0.5
HWQ16 - Bayou Grand Liard	0.0	0.3	0.2	0.2	0.2	0.0	-0.1	-0.2	-0.4	-1.1	-0.3	0.1
CRMS 3985	0.1	0.2	-0.7	-0.1	0.5	0.2	-0.1	-0.1	0.1	0.2	0.2	0.3
CRMS 0258	0.0	0.6	0.7	-0.2	0.0	-0.4	-0.5	-0.6	-0.2	0.9	0.6	-0.1
CRMS 0224	0.2	1.0	0.7	0.0	0.3	-0.3	-0.6	-0.1	0.3	1.5	0.2	0.1
CRMS 0163	-0.1	-0.1	0.0	0.0	0.0	0.1	-0.7	-0.7	-0.4	0.3	0.0	-0.1
CRMS 0162	-0.2	-0.2	0.0	0.2	0.0	0.6	1.8	1.9	0.5	-1.0	-0.1	-0.2

Figure WQ DO 223 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.7	9.2	8.8	8.8	8.5	9.4	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.6	8.7	8.3	7.5	7.4	7.1	6.8	7.6	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.6	8.6	7.6	6.6	6.4	6.5	7.0	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	11.0	10.9	10.1	10.1	8.8	8.7	9.2	9.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.6	7.5	7.3	7.4	7.1	8.6	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.5	10.3	9.4	8.6	7.6	7.2	7.3	7.0	8.3	8.7	8.7
USGS 07380335 - Little Lake Near Cutoff	9.2	9.5	10.2	9.0	7.7	6.3	6.1	6.0	6.1	7.1	8.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.4	9.3	10.3	9.6	8.8	7.8	7.6	6.8	7.2	8.3	8.7	8.6
HWQ14 - Lake Washington	10.2	9.7	10.5	9.0	7.9	6.9	6.2	6.1	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.4	9.1	8.7	8.2	7.0	6.3	5.9	6.4	5.9	7.0	7.9	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.8	6.7	6.6	6.9	6.7	7.9	9.6	9.4
CRMS 0258	10.2	10.0	10.7	10.5	11.5	10.6	9.6	10.1	9.4	10.5	9.4	9.3
CRMS 0224	9.8	9.7	10.5	10.2	9.8	9.3	8.5	8.9	8.5	9.6	8.9	8.7
CRMS 0163	10.7	10.0	9.4	8.6	7.7	6.8	6.5	7.0	7.1	8.1	9.3	9.5
CRMS 0162	10.0	9.5	8.9	8.2	7.5	6.5	6.0	6.0	6.4	7.3	8.2	8.7

V3PR6 HYST - cy 5 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	8.5	8.3	8.0	7.6	6.9	6.6	6.6	6.8	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	10.3	10.2	9.6	9.2	8.4	7.3	6.6	7.3	6.8	7.6	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.8	10.2	9.6	8.6	7.7	7.0	6.6	6.6	6.9	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.2	9.2	9.2	8.6	7.8	6.8	6.4	6.8	6.3	7.3	8.4	8.4
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.3	8.1	7.8	7.6	8.6	7.7	8.9	9.9	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.1	10.4	9.8	9.0	8.0	7.0	6.2	7.3	7.6	9.1	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.9	10.6	9.9	9.2	8.3	7.3	6.2	6.6	6.9	8.0	8.7	8.6
USGS073802516 Barataria Pass at Grand Isle	10.9	10.6	10.0	10.0	8.5	8.2	7.2	7.2	7.1	8.2	9.1	8.9
HWQ14 - Lake Washington	11.0	10.4	9.9	10.0	8.2	7.2	6.5	6.1	6.5	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	9.2	9.9	9.6	8.8	7.2	6.3	6.0	5.9	5.9	7.0	8.2	7.9
CRMS 3985	11.2	10.5	9.9	9.5	8.4	8.0	7.8	8.0	7.1	8.1	9.7	9.5
CRMS 0258	11.4	10.6	10.1	9.6	9.5	10.8	8.7	12.2	9.1	10.1	9.0	9.3
CRMS 0224	11.3	10.7	10.1	9.3	9.0	8.6	6.6	8.6	8.1	9.3	8.8	8.9
CRMS 0163	10.7	10.2	9.5	8.6	7.8	7.3	7.1	7.7	7.0	8.0	9.3	9.3
CRMS 0162	10.0	9.5	8.9	8.2	7.6	6.5	6.1	6.2	6.8	8.1	8.2	8.7

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-1.4	-2.5	-2.4	-2.1	-2.2	-2.2	-2.2	-1.7	-1.6	-0.8	-0.2
CRMS0276 - Just east of Wilkinson Canal	0.6	0.3	0.1	0.5	0.1	-0.2	-0.7	0.2	0.0	0.0	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.1	0.0	0.1	0.4	0.3	0.1	-0.1	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.4	-0.5	-1.8	-2.3	-2.4	-3.2	-2.4	-1.9	-2.9	-2.3	-1.6	-1.1
USGS7380251 Barataria Bay North of Grand Isle	0.5	0.5	-0.6	-0.1	-0.5	0.3	0.3	1.2	0.6	0.3	0.3	0.2
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.6	0.9	-0.4	-0.4	-0.6	-0.5	-0.9	0.0	0.6	0.8	0.4	0.5
USGS 07380335 - Little Lake Near Cutoff	1.7	1.2	-0.2	0.2	0.6	1.0	0.1	0.5	0.7	0.8	0.3	0.2
USGS073802516 Barataria Pass at Grand Isle	1.5	1.3	-0.3	0.4	-0.2	0.3	-0.4	0.4	-0.1	0.0	0.4	0.3
HWQ14 - Lake Washington	0.7	0.7	-0.6	1.0	0.3	0.3	0.2	-0.1	-0.1	0.0	0.2	0.3
HWQ16 - Bayou Grand Liard	0.8	0.8	0.8	0.6	0.2	0.1	0.1	-0.5	0.0	0.1	0.3	-0.1
CRMS 3985	0.3	0.4	-0.2	0.7	0.6	1.2	1.2	1.1	0.4	0.2	0.2	0.1
CRMS 0258	1.2	0.6	-0.6	-1.0	-2.0	0.3	-0.8	2.0	-0.3	-0.5	-0.4	0.0
CRMS 0224	1.6	0.9	-0.4	-0.9	-0.9	-0.7	-1.9	-0.3	-0.4	-0.3	-0.1	0.2
CRMS 0163	0.0	0.2	0.1	0.0	0.1	0.5	0.6	0.8	-0.2	-0.1	0.0	-0.2
CRMS 0162	-0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.4	0.8	0.0	0.0

Figure WQ DO 224 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.6	10.5	10.3	9.8	9.5	9.1	9.1	8.5	9.4	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.2	8.5	7.5	8.5	8.2	7.5	6.8	7.9	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.3	10.3	9.6	8.6	7.0	6.3	6.5	6.9	7.2	8.5	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.5	10.4	10.5	10.5	10.1	8.9	8.7	9.2	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.5	8.6	7.8	7.5	7.6	7.2	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.1	9.6	9.3	8.5	7.6	7.2	7.4	7.0	8.3	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.0	9.1	9.1	8.6	7.4	6.5	6.3	6.1	6.2	7.4	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	10.0	9.5	8.6	8.0	8.0	7.1	7.3	8.3	8.9	8.5
HWQ14 - Lake Washington	10.2	9.6	10.5	9.2	8.1	6.9	6.3	6.2	6.7	8.1	9.3	9.2
HWQ16 - Bayou Grand Liard	8.1	8.7	9.2	8.1	7.0	6.4	5.9	6.7	5.9	7.2	8.7	8.3
CRMS 3985	10.9	10.2	10.6	9.2	8.0	6.9	6.6	6.9	6.7	8.0	9.5	9.4
CRMS 0258	10.1	9.5	10.0	10.3	10.9	10.9	9.6	9.9	9.5	10.4	9.1	9.3
CRMS 0224	9.7	9.2	9.9	9.9	9.8	9.5	8.6	8.9	8.4	9.5	9.0	8.9
CRMS 0163	10.5	10.3	9.4	8.7	7.3	6.5	6.7	8.6	7.4	8.1	9.4	9.4
CRMS 0162	9.4	8.9	8.8	8.2	7.0	6.3	6.0	6.1	6.3	7.7	8.2	9.0

V3PR6 HYST - cy 5 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	10.2	8.2	7.9	7.1	7.0	6.6	6.5	6.8	7.9	9.0	8.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.5	9.3	8.7	7.8	8.0	6.9	7.5	6.8	8.0	8.8	9.2
Barataria Waterway at Lafitte (USACE82875)	10.4	10.2	9.6	8.6	7.1	7.3	7.2	6.9	7.3	8.3	9.2	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	10.8	9.5	9.0	8.5	7.4	6.9	6.5	7.4	5.7	7.2	8.3	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.8	9.0	7.5	7.3	8.2	8.5	7.6	9.0	9.9	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	9.7	8.8	7.4	7.0	6.7	9.1	7.5	9.0	9.3	9.7
USGS 07380335 - Little Lake Near Cutoff	9.3	9.3	9.7	8.9	7.4	8.0	6.8	7.6	7.0	8.0	9.1	9.7
USGS073802516 Barataria Pass at Grand Isle	9.5	9.2	9.7	9.3	7.9	9.3	7.8	7.7	7.1	8.1	9.0	9.6
HWQ14 - Lake Washington	10.5	9.8	9.7	9.3	8.0	8.1	6.6	6.0	6.5	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.2	8.8	9.4	8.7	7.2	6.6	5.9	6.4	5.9	7.3	8.7	8.8
CRMS 3985	11.0	10.2	9.8	9.2	7.8	8.5	8.2	7.6	7.0	8.2	9.7	9.8
CRMS 0258	10.1	9.7	9.9	9.1	7.9	9.7	10.8	10.8	8.9	9.4	9.5	9.9
CRMS 0224	9.8	9.5	9.9	9.0	7.7	8.0	7.5	9.6	8.0	9.1	9.2	9.9
CRMS 0163	10.5	10.1	9.5	8.6	7.3	7.2	8.5	8.5	7.3	8.0	9.3	9.4
CRMS 0162	9.3	8.9	8.7	8.2	7.0	6.4	6.1	6.3	7.9	8.6	8.3	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.6	-2.2	-2.3	-2.7	-2.5	-2.5	-2.7	-1.7	-1.5	-0.9	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.1	0.2	0.3	-0.5	-1.3	0.0	-0.1	0.1	0.0	0.3
Barataria Waterway at Lafitte (USACE82875)	0.1	-0.1	0.1	0.0	0.0	1.0	0.7	0.0	0.2	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.0	-1.4	-2.0	-3.2	-3.2	-2.4	-1.3	-3.4	-2.3	-1.6	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.2	-0.7	-0.5	-1.1	-0.5	0.7	1.0	0.4	0.3	0.2	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.4	0.0	-0.5	-1.1	-0.6	-0.6	1.7	0.4	0.7	0.2	1.1
USGS 07380335 - Little Lake Near Cutoff	0.3	0.3	0.7	0.2	0.0	1.6	0.5	1.5	0.8	0.6	-0.1	1.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.3	-0.2	-0.2	-0.7	1.3	-0.2	0.6	-0.2	-0.1	0.0	1.1
HWQ14 - Lake Washington	0.3	0.2	-0.7	0.1	-0.1	1.2	0.2	-0.3	-0.1	0.0	0.2	0.3
HWQ16 - Bayou Grand Liard	0.1	0.1	0.2	0.6	0.2	0.2	-0.1	-0.2	0.0	0.1	0.0	0.5
CRMS 3985	0.1	0.1	-0.7	0.1	-0.1	1.6	1.6	0.7	0.3	0.2	0.2	0.4
CRMS 0258	0.0	0.2	-0.1	-1.2	-3.0	-1.2	1.2	0.9	-0.6	-1.0	0.4	0.6
CRMS 0224	0.2	0.3	0.0	-0.9	-2.0	-1.5	-1.1	0.7	-0.4	-0.4	0.2	1.0
CRMS 0163	0.0	-0.2	0.1	0.0	0.0	0.7	1.7	-0.2	-0.1	-0.2	0.0	0.0
CRMS 0162	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.2	1.5	0.9	0.2	-0.1

Figure WQ DO 225 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.8	10.8	10.2	9.7	9.1	8.5	8.2	8.2	9.2	10.0	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.5	9.3	8.3	7.9	7.9	7.1	7.7	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.5	8.3	7.3	6.6	6.2	7.1	6.9	8.2	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.8	11.0	10.7	10.1	9.3	8.3	8.0	8.8	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.5	9.3	8.6	7.8	7.4	7.4	7.4	8.8	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.0	9.4	8.7	7.6	7.4	7.5	7.3	8.5	8.8	8.7
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	9.4	8.7	8.0	6.8	6.6	6.3	6.4	7.3	8.5	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.2	9.6	8.9	8.2	8.3	7.2	7.6	8.5	8.9	8.6
HWQ14 - Lake Washington	10.3	9.7	10.6	9.0	8.2	7.3	6.7	6.8	7.0	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.1	7.7	6.6	6.1	6.7	6.0	6.8	7.9	8.3
CRMS 3985	10.9	10.2	10.0	8.9	8.1	7.1	6.8	6.7	6.8	8.1	9.6	9.5
CRMS 0258	10.2	9.9	10.5	10.3	11.3	11.1	9.4	9.5	9.7	10.2	9.6	9.3
CRMS 0224	9.8	9.6	10.4	10.0	10.1	9.6	8.8	8.9	8.4	9.7	9.0	8.7
CRMS 0163	10.8	10.3	9.3	8.4	7.4	6.7	6.5	8.4	7.0	8.1	9.4	9.6
CRMS 0162	10.0	9.5	8.9	8.2	7.3	6.5	6.0	6.2	6.5	7.2	8.2	9.0

V3PR7 HYST - cy 5 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	9.3	8.2	7.7	7.6	7.0	6.7	6.6	6.8	7.9	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.7	9.8	9.5	8.6	9.5	7.5	6.9	7.5	7.0	7.7	8.6	8.7
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.5	8.3	7.4	7.2	6.8	7.1	6.8	8.2	9.3	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.9	9.1	8.3	7.6	6.9	6.5	7.9	6.8	9.0	8.5	8.5
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.8	8.8	8.0	7.4	7.5	9.0	7.7	9.0	9.9	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.2	9.7	8.7	7.7	6.9	6.4	9.1	7.5	8.9	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.2	10.1	9.9	8.8	8.2	7.6	6.4	7.6	6.9	7.8	8.7	8.6
USGS073802516 Barataria Pass at Grand Isle	10.2	9.9	9.9	9.2	10.0	8.9	7.6	8.0	7.1	8.2	8.9	8.9
HWQ14 - Lake Washington	10.8	10.2	9.8	9.3	9.6	7.7	6.7	6.0	6.4	8.0	9.5	9.5
HWQ16 - Bayou Grand Liard	8.5	9.2	9.4	8.6	7.9	6.4	5.9	5.7	5.9	6.7	7.9	8.0
CRMS 3985	11.1	10.4	9.9	9.1	9.1	8.3	8.1	7.8	7.1	8.2	9.7	9.5
CRMS 0258	10.9	10.4	10.0	8.9	8.8	9.6	8.4	12.1	9.6	10.1	9.4	9.2
CRMS 0224	10.9	10.3	9.9	8.9	8.3	7.8	6.6	10.0	8.1	9.3	9.0	8.8
CRMS 0163	10.7	10.3	9.4	8.4	7.5	7.4	7.6	8.9	6.8	8.0	9.3	9.6
CRMS 0162	9.8	9.3	8.9	8.2	7.3	6.5	5.9	6.3	6.5	7.2	8.2	8.7

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.0	-0.5	-2.6	-2.6	-2.1	-2.1	-1.8	-1.6	-1.4	-1.3	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.1	0.2	0.2	-0.8	-1.0	-0.3	-0.2	0.0	0.0	0.3
Barataria Waterway at Lafitte (USACE82875)	0.0	0.1	0.0	0.0	0.1	0.6	0.6	0.0	-0.1	0.0	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.4	0.1	-1.9	-2.4	-2.5	-2.4	-1.7	-0.2	-2.1	-0.6	-1.4	-1.1
USGS7380251 Barataria Bay North of Grand Isle	0.6	0.5	-0.8	-0.5	-0.6	-0.4	0.1	1.6	0.3	0.2	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.5	0.8	-0.3	-0.7	-1.0	-0.7	-0.9	1.7	0.2	0.4	0.3	0.5
USGS 07380335 - Little Lake Near Cutoff	1.0	0.9	0.5	0.1	0.2	0.8	-0.1	1.3	0.5	0.6	0.1	0.1
USGS073802516 Barataria Pass at Grand Isle	0.9	0.8	-0.3	-0.4	1.1	0.6	-0.7	0.8	-0.5	-0.3	0.0	0.3
HWQ14 - Lake Washington	0.6	0.5	-0.9	0.2	1.3	0.4	0.0	-0.8	-0.6	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.3	0.4	0.8	0.5	0.2	-0.2	-0.2	-1.0	-0.1	-0.1	0.0	-0.3
CRMS 3985	0.2	0.2	-0.2	0.2	1.0	1.1	1.3	1.0	0.3	0.1	0.0	0.0
CRMS 0258	0.7	0.5	-0.5	-1.4	-2.6	-1.5	-1.0	2.6	-0.1	-0.1	-0.1	0.0
CRMS 0224	1.1	0.7	-0.5	-1.1	-1.8	-1.8	-2.2	1.1	-0.3	-0.4	0.0	0.2
CRMS 0163	-0.1	0.0	0.1	0.0	0.0	0.7	1.1	0.6	-0.2	0.0	-0.1	0.0
CRMS 0162	-0.2	-0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.0	0.0	0.0	-0.3

Figure WQ DO 226 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.9	9.3	8.5	8.2	7.9	9.0	9.8	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.4	8.8	8.1	8.2	7.4	6.7	6.8	8.3	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.5	7.3	8.1	7.0	7.3	7.2	8.5	9.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	10.9	10.9	10.4	9.8	8.7	8.4	8.1	9.1	9.7	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.7	7.7	7.2	7.2	7.1	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.2	9.4	8.6	7.6	7.2	6.8	6.9	7.8	8.9	8.6
USGS 07380335 - Little Lake Near Cutoff	9.1	9.4	9.6	9.2	7.5	6.4	6.2	6.1	6.1	7.6	9.1	8.4
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.3	9.7	8.8	7.9	7.7	6.5	6.8	7.9	8.9	8.4
HWQ14 - Lake Washington	10.2	9.7	10.6	9.0	7.8	6.8	6.3	6.2	6.7	8.1	9.2	9.1
HWQ16 - Bayou Grand Liard	8.2	8.9	8.7	8.3	7.3	6.1	6.7	8.6	6.5	7.9	8.6	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.9	6.8	6.6	6.8	6.7	8.0	9.5	9.4
CRMS 0258	10.2	9.9	10.7	10.4	11.6	11.2	9.1	8.7	9.4	9.3	9.7	9.3
CRMS 0224	9.7	9.7	10.6	10.1	9.9	9.5	8.7	8.2	8.3	8.6	9.4	8.8
CRMS 0163	10.7	10.1	9.2	8.6	7.5	8.6	7.7	8.6	7.1	8.4	9.3	9.6
CRMS 0162	9.9	9.5	8.9	8.2	7.3	6.8	6.3	6.6	8.0	9.1	8.2	8.9

V3PR7 HYST - cy 5 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.7	8.5	8.2	8.0	7.6	7.0	6.5	6.6	7.0	8.0	9.1	8.6
CRMS0276 - Just east of Wilkinson Canal	9.6	10.2	9.5	9.3	8.8	8.3	7.6	6.9	6.6	7.8	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.6	7.4	8.0	7.0	7.3	7.3	8.1	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.6	8.9	8.5	7.7	8.5	8.0	6.6	5.1	6.8	8.1	8.8
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.6	9.7	9.0	7.9	9.3	8.0	7.6	7.6	9.0	9.8	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	10.5	9.6	8.8	7.7	9.2	8.2	7.7	7.3	8.6	9.3	9.5
USGS 07380335 - Little Lake Near Cutoff	10.1	10.7	9.8	8.9	7.9	9.0	7.8	6.5	7.0	7.6	9.1	9.2
USGS073802516 Barataria Pass at Grand Isle	10.2	10.6	9.9	9.8	9.3	8.7	8.0	6.6	7.0	7.7	9.0	9.1
HWQ14 - Lake Washington	10.8	10.5	9.7	9.8	9.0	7.2	6.3	6.2	6.6	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.5	9.7	9.5	8.9	7.6	6.3	6.7	8.3	6.4	7.8	8.6	8.2
CRMS 3985	11.1	10.5	9.8	9.5	8.8	7.6	7.1	7.1	7.0	8.2	9.7	9.6
CRMS 0258	10.8	10.6	9.9	9.1	8.6	11.2	8.7	8.3	8.3	8.7	9.4	9.7
CRMS 0224	10.7	10.7	9.9	9.0	8.2	10.6	8.4	8.1	7.5	8.0	9.3	9.5
CRMS 0163	10.7	10.2	9.3	8.6	7.5	9.0	7.5	7.8	7.8	8.8	9.2	9.4
CRMS 0162	9.7	9.4	8.9	8.2	7.3	7.0	6.6	7.4	9.1	8.8	8.2	8.7

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.1	-1.3	-2.6	-2.5	-2.3	-2.3	-2.0	-1.6	-0.9	-1.0	-0.7	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.3	0.1	0.6	0.7	0.0	0.1	0.2	-0.2	-0.5	-0.1	0.2
Barataria Waterway at Lafitte (USACE82875)	0.0	0.0	0.1	0.0	0.1	-0.2	0.0	0.0	0.1	-0.4	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	-0.1	-2.0	-2.4	-2.7	-1.3	-0.7	-1.8	-3.1	-2.3	-1.6	-0.6
USGS7380251 Barataria Bay North of Grand Isle	0.6	0.6	-0.9	-0.3	-0.8	1.6	0.7	0.3	0.5	0.3	0.3	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.3	1.1	-0.6	-0.6	-0.9	1.6	1.1	0.9	0.4	0.8	0.4	0.9
USGS 07380335 - Little Lake Near Cutoff	1.1	1.3	0.2	-0.2	0.4	2.6	1.6	0.5	0.9	0.0	-0.1	0.8
USGS073802516 Barataria Pass at Grand Isle	0.9	1.4	-0.4	0.1	0.5	0.9	0.3	0.1	0.2	-0.1	0.1	0.7
HWQ14 - Lake Washington	0.5	0.8	-0.8	0.8	1.2	0.3	0.0	0.0	0.0	0.0	0.3	0.4
HWQ16 - Bayou Grand Liard	0.3	0.8	0.8	0.6	0.3	0.1	0.0	-0.3	-0.1	-0.1	0.0	0.2
CRMS 3985	0.2	0.4	-0.3	0.6	0.9	0.8	0.6	0.3	0.3	0.2	0.2	0.2
CRMS 0258	0.7	0.7	-0.8	-1.3	-3.0	0.0	-0.4	-0.4	-1.1	-0.6	-0.3	0.4
CRMS 0224	1.0	1.0	-0.7	-1.0	-1.7	1.1	-0.3	-0.1	-0.7	-0.6	-0.1	0.7
CRMS 0163	-0.1	0.1	0.1	0.0	0.0	0.4	-0.2	-0.8	0.7	0.4	0.0	-0.1
CRMS 0162	-0.1	-0.1	0.0	0.0	0.0	0.3	0.3	0.8	1.1	-0.4	0.0	-0.2

Figure WQ DO 227 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.7	10.5	10.1	9.2	8.2	7.8	7.7	7.5	8.9	9.8	10.0
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.2	8.5	8.0	7.4	6.9	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.8	7.1	8.1	7.4	6.7	7.9	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.6	10.7	10.4	9.9	9.3	8.3	8.1	8.0	9.0	9.8	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.4	8.5	7.6	7.6	7.5	7.3	8.6	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.3	9.7	9.3	8.6	7.6	7.1	6.4	6.9	7.5	8.8	8.8
USGS 07380335 - Little Lake Near Cutoff	9.0	9.2	9.3	8.6	7.6	6.4	6.2	7.3	6.4	7.9	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	9.8	9.4	8.9	7.7	7.1	6.8	6.6	7.7	8.6	8.6
HWQ14 - Lake Washington	10.2	9.7	10.4	9.2	8.2	7.2	6.4	6.2	6.8	8.2	9.2	9.2
HWQ16 - Bayou Grand Liard	8.0	8.7	8.5	7.9	6.9	6.3	7.7	8.2	7.0	8.1	8.2	7.9
CRMS 3985	10.9	10.2	10.7	9.1	7.8	6.9	7.1	7.3	7.0	8.0	9.6	9.5
CRMS 0258	10.1	9.8	10.1	10.3	11.2	9.9	8.4	8.2	8.7	9.2	9.2	9.5
CRMS 0224	9.7	9.5	9.9	9.8	9.7	9.3	8.7	7.6	7.5	7.6	9.0	9.1
CRMS 0163	10.6	10.4	9.8	8.8	7.8	7.1	9.4	8.8	9.1	7.8	9.2	9.5
CRMS 0162	9.4	9.5	8.7	8.1	7.5	7.2	6.9	8.0	8.2	8.4	8.3	8.7

V3PR7 HYST - cy 5 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.6	9.1	9.2	8.7	7.5	7.0	6.6	6.8	7.2	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.3	9.8	9.4	8.7	8.4	7.8	7.3	7.3	6.7	8.1	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.7	7.1	8.1	6.9	7.4	7.7	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	10.3	9.4	9.2	8.0	7.3	7.4	6.5	5.0	6.5	8.4	8.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.5	10.0	9.4	8.9	8.2	7.7	7.7	7.7	9.0	9.9	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.1	10.6	10.1	9.7	8.7	8.5	8.0	7.5	7.3	8.4	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	9.3	10.3	10.3	9.5	8.1	8.3	7.6	6.7	6.9	7.6	8.7	8.8
USGS073802516 Barataria Pass at Grand Isle	9.5	10.1	10.6	9.3	8.8	8.1	7.6	6.6	7.0	7.7	8.8	8.9
HWQ14 - Lake Washington	10.5	10.3	10.9	9.3	8.1	7.1	6.5	6.4	6.8	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	9.1	8.7	8.1	7.1	6.3	7.5	8.2	6.8	7.7	8.2	8.0
CRMS 3985	11.0	10.4	10.0	9.0	8.3	7.2	7.0	7.3	7.2	8.2	9.7	9.6
CRMS 0258	10.2	10.4	10.8	10.1	11.0	9.4	7.9	7.5	7.8	7.9	9.4	9.4
CRMS 0224	9.9	10.5	10.4	9.8	9.7	9.0	7.9	7.4	7.3	7.7	8.9	9.1
CRMS 0163	10.5	10.3	9.8	8.8	7.8	7.1	8.4	8.3	8.6	7.9	9.2	9.4
CRMS 0162	9.2	9.2	8.8	8.2	7.7	7.8	8.2	9.9	7.8	9.4	8.3	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	-0.6	-1.3	-1.4	-1.7	-1.3	-1.2	-0.9	-0.4	-1.0	-0.7	-0.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.2	0.2	0.1	0.4	0.3	0.3	0.0	0.1	0.6	0.0	0.1
Barataria Waterway at Lafitte (USACE82875)	0.1	0.0	0.0	0.0	0.0	0.0	0.0	-0.6	0.7	-0.2	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.7	-1.3	-1.2	-1.9	-2.1	-0.9	-1.6	-3.1	-2.4	-1.4	-1.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.6	-0.5	0.0	0.4	0.6	0.1	0.2	0.4	0.3	0.3	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.4	0.4	0.3	0.0	0.9	0.9	1.1	0.5	0.9	0.3	0.4
USGS 07380335 - Little Lake Near Cutoff	0.4	1.1	1.1	0.9	0.5	1.8	1.4	-0.6	0.5	-0.3	0.1	0.3
USGS073802516 Barataria Pass at Grand Isle	0.2	1.1	0.8	0.0	-0.1	0.5	0.5	-0.2	0.4	0.0	0.1	0.3
HWQ14 - Lake Washington	0.2	0.6	0.4	0.0	0.0	-0.1	0.2	0.2	0.1	0.1	0.3	0.3
HWQ16 - Bayou Grand Liard	0.0	0.4	0.3	0.2	0.2	0.0	-0.2	0.0	-0.2	-0.5	0.0	0.1
CRMS 3985	0.1	0.2	-0.7	-0.1	0.5	0.3	-0.1	0.0	0.2	0.2	0.1	0.1
CRMS 0258	0.1	0.6	0.7	-0.2	-0.1	-0.5	-0.5	-0.6	-0.9	-1.3	0.2	-0.1
CRMS 0224	0.3	1.0	0.5	0.0	0.1	-0.3	-0.7	-0.2	-0.2	0.0	-0.1	0.0
CRMS 0163	-0.1	-0.1	0.0	0.0	0.0	0.0	-1.0	-0.5	-0.5	0.1	0.0	-0.1
CRMS 0162	-0.2	-0.2	0.1	0.1	0.1	0.6	1.4	1.9	-0.4	1.0	0.0	-0.2

Figure WQ DO 228 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.7	9.2	8.8	8.8	8.5	9.4	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.6	8.7	8.3	7.5	7.4	7.1	6.8	7.6	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.6	8.6	7.6	6.6	6.4	6.5	7.0	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	11.0	10.9	10.1	10.1	8.8	8.7	9.2	9.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.6	7.5	7.3	7.4	7.1	8.6	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.5	10.3	9.4	8.6	7.6	7.2	7.3	7.0	8.3	8.7	8.7
USGS 07380335 - Little Lake Near Cutoff	9.2	9.5	10.2	9.0	7.7	6.3	6.1	6.0	6.1	7.1	8.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.4	9.3	10.3	9.6	8.8	7.8	7.6	6.8	7.2	8.3	8.7	8.6
HWQ14 - Lake Washington	10.2	9.7	10.5	9.0	7.9	6.9	6.2	6.1	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.4	9.1	8.7	8.2	7.0	6.3	5.9	6.4	5.9	7.0	7.9	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.8	6.7	6.6	6.9	6.7	7.9	9.6	9.4
CRMS 0258	10.2	10.0	10.7	10.5	11.5	10.6	9.6	10.1	9.4	10.5	9.4	9.3
CRMS 0224	9.8	9.7	10.5	10.2	9.8	9.3	8.5	8.9	8.5	9.6	8.9	8.7
CRMS 0163	10.7	10.0	9.4	8.6	7.7	6.8	6.5	7.0	7.1	8.1	9.3	9.5
CRMS 0162	10.0	9.5	8.9	8.2	7.5	6.5	6.0	6.0	6.4	7.3	8.2	8.7

V3PR7 HYST - cy 5 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	8.5	8.3	8.0	7.6	6.9	6.6	6.7	6.9	7.9	9.2	9.5
CRMS0276 - Just east of Wilkinson Canal	10.3	10.2	9.6	9.2	8.4	7.3	6.6	7.3	6.7	7.7	8.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.2	9.6	8.6	7.7	6.9	6.6	6.6	6.9	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.4	9.4	9.3	8.6	7.8	6.8	6.4	7.1	6.5	7.3	8.3	8.4
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.5	9.9	9.3	8.1	7.9	7.7	8.8	7.7	8.9	10.0	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.4	9.8	9.0	8.1	7.1	6.3	7.4	7.6	9.1	9.1	9.2
USGS 07380335 - Little Lake Near Cutoff	10.9	10.6	9.9	9.2	8.3	7.3	6.3	6.6	6.9	8.0	8.8	8.6
USGS073802516 Barataria Pass at Grand Isle	10.9	10.6	10.0	10.0	8.5	8.2	7.2	7.3	7.1	8.3	9.1	8.9
HWQ14 - Lake Washington	11.0	10.5	9.9	10.1	8.2	7.2	6.5	6.1	6.5	8.1	9.6	9.6
HWQ16 - Bayou Grand Liard	9.2	9.9	9.6	8.8	7.2	6.4	6.0	5.8	5.9	7.1	8.4	8.0
CRMS 3985	11.2	10.5	9.9	9.5	8.5	7.9	7.8	7.9	7.1	8.1	9.8	9.5
CRMS 0258	11.4	10.6	10.1	9.4	9.4	10.5	8.2	11.9	9.1	10.0	9.0	9.3
CRMS 0224	11.3	10.6	10.0	9.2	8.8	8.2	6.4	8.2	8.1	9.3	8.7	8.9
CRMS 0163	10.7	10.1	9.5	8.6	7.7	7.2	7.1	7.7	7.0	8.0	9.3	9.3
CRMS 0162	10.0	9.5	8.9	8.2	7.4	6.5	6.1	6.2	6.6	8.0	8.2	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-1.4	-2.5	-2.4	-2.1	-2.2	-2.2	-2.1	-1.5	-1.5	-0.8	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.6	0.3	0.1	0.5	0.1	-0.2	-0.7	0.2	0.0	0.1	0.1	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.0	0.1	0.3	0.3	0.1	-0.1	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.2	-0.4	-1.7	-2.2	-2.4	-3.3	-2.4	-1.7	-2.7	-2.3	-1.6	-1.1
USGS7380251 Barataria Bay North of Grand Isle	0.5	0.5	-0.6	0.0	-0.4	0.4	0.4	1.4	0.6	0.4	0.3	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.6	0.9	-0.4	-0.4	-0.6	-0.5	-0.8	0.1	0.6	0.8	0.4	0.5
USGS 07380335 - Little Lake Near Cutoff	1.7	1.2	-0.2	0.2	0.6	1.0	0.1	0.6	0.7	0.9	0.4	0.2
USGS073802516 Barataria Pass at Grand Isle	1.5	1.3	-0.3	0.4	-0.3	0.3	-0.4	0.4	-0.1	0.0	0.4	0.4
HWQ14 - Lake Washington	0.8	0.7	-0.6	1.1	0.3	0.3	0.2	0.0	-0.1	0.0	0.2	0.3
HWQ16 - Bayou Grand Liard	0.8	0.9	0.8	0.6	0.2	0.1	0.1	-0.5	0.0	0.1	0.5	-0.1
CRMS 3985	0.3	0.4	-0.2	0.7	0.7	1.2	1.2	1.1	0.4	0.2	0.2	0.1
CRMS 0258	1.2	0.6	-0.6	-1.1	-2.1	-0.1	-1.4	1.7	-0.3	-0.5	-0.5	0.0
CRMS 0224	1.5	0.9	-0.4	-1.0	-1.1	-1.1	-2.1	-0.6	-0.5	-0.3	-0.1	0.2
CRMS 0163	0.0	0.2	0.1	0.0	0.1	0.4	0.6	0.8	-0.2	-0.1	0.0	-0.2
CRMS 0162	0.0	0.0	0.0	0.0	-0.1	0.1	0.1	0.1	0.3	0.7	0.0	-0.1

Figure WQ DO 229 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.6	10.5	10.3	9.8	9.5	9.1	9.1	8.5	9.4	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.2	8.5	7.5	8.5	8.2	7.5	6.8	7.9	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.3	10.3	9.6	8.6	7.0	6.3	6.5	6.9	7.2	8.5	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.5	10.4	10.5	10.5	10.1	8.9	8.7	9.2	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.5	8.6	7.8	7.5	7.6	7.2	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.1	9.6	9.3	8.5	7.6	7.2	7.4	7.0	8.3	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.0	9.1	9.1	8.6	7.4	6.5	6.3	6.1	6.2	7.4	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	10.0	9.5	8.6	8.0	8.0	7.1	7.3	8.3	8.9	8.5
HWQ14 - Lake Washington	10.2	9.6	10.5	9.2	8.1	6.9	6.3	6.2	6.7	8.1	9.3	9.2
HWQ16 - Bayou Grand Liard	8.1	8.7	9.2	8.1	7.0	6.4	5.9	6.7	5.9	7.2	8.7	8.3
CRMS 3985	10.9	10.2	10.6	9.2	8.0	6.9	6.6	6.9	6.7	8.0	9.5	9.4
CRMS 0258	10.1	9.5	10.0	10.3	10.9	10.9	9.6	9.9	9.5	10.4	9.1	9.3
CRMS 0224	9.7	9.2	9.9	9.9	9.8	9.5	8.6	8.9	8.4	9.5	9.0	8.9
CRMS 0163	10.5	10.3	9.4	8.7	7.3	6.5	6.7	8.6	7.4	8.1	9.4	9.4
CRMS 0162	9.4	8.9	8.8	8.2	7.0	6.3	6.0	6.1	6.3	7.7	8.2	9.0

V3PR7 HYST - cy 5 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.2	8.2	7.9	7.1	7.0	6.6	6.6	7.0	8.0	9.1	8.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.4	9.3	8.7	7.7	8.1	6.8	7.5	6.8	8.0	8.8	9.2
Barataria Waterway at Lafitte (USACE82875)	10.4	10.3	9.6	8.6	7.1	7.3	7.2	6.9	7.2	8.3	9.2	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	10.8	9.4	9.2	8.6	7.4	6.8	6.4	7.9	6.0	7.2	8.3	9.2
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.1	9.8	9.0	7.5	7.5	8.4	8.4	7.6	9.0	9.9	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	9.7	8.8	7.4	6.9	6.8	9.0	7.5	9.0	9.3	9.8
USGS 07380335 - Little Lake Near Cutoff	9.3	9.2	9.7	8.9	7.4	7.8	6.8	7.7	7.0	8.0	9.1	9.7
USGS073802516 Barataria Pass at Grand Isle	9.5	9.2	9.7	9.3	7.9	9.2	7.8	7.7	7.1	8.2	9.0	9.7
HWQ14 - Lake Washington	10.5	9.8	9.7	9.4	8.0	8.0	6.5	6.0	6.6	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	8.7	9.5	8.7	7.2	6.6	5.9	6.4	5.9	7.3	8.7	8.8
CRMS 3985	11.0	10.2	9.8	9.3	8.0	8.5	8.1	7.6	7.0	8.2	9.8	9.7
CRMS 0258	10.1	9.7	9.9	9.1	7.8	9.0	10.3	10.7	8.9	9.5	9.5	9.9
CRMS 0224	9.8	9.4	9.8	9.0	7.6	7.6	7.1	9.6	8.0	9.1	9.2	9.9
CRMS 0163	10.5	10.1	9.5	8.6	7.3	7.1	8.4	8.5	7.2	8.0	9.3	9.4
CRMS 0162	9.2	8.8	8.8	8.2	7.0	6.4	6.1	6.3	7.9	8.8	8.4	8.8

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.6	-2.2	-2.3	-2.7	-2.5	-2.5	-2.5	-1.5	-1.4	-0.9	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.1	0.1	0.1	0.2	0.3	-0.5	-1.4	0.1	0.0	0.1	0.0	0.3
Barataria Waterway at Lafitte (USACE82875)	0.1	-0.1	0.1	0.0	0.0	1.0	0.7	0.0	0.1	-0.1	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.0	-1.2	-1.9	-3.1	-3.3	-2.4	-0.8	-3.1	-2.3	-1.6	-0.4
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.2	-0.7	-0.4	-1.1	-0.3	0.8	0.9	0.4	0.3	0.3	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.4	0.1	-0.5	-1.1	-0.7	-0.5	1.6	0.4	0.7	0.2	1.1
USGS 07380335 - Little Lake Near Cutoff	0.3	0.2	0.7	0.2	0.0	1.4	0.5	1.6	0.8	0.6	-0.1	1.2
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.2	-0.2	-0.7	1.2	-0.1	0.6	-0.2	-0.1	0.1	1.1
HWQ14 - Lake Washington	0.3	0.2	-0.8	0.2	-0.1	1.1	0.2	-0.3	-0.1	0.0	0.2	0.4
HWQ16 - Bayou Grand Liard	0.1	0.1	0.3	0.6	0.2	0.2	0.0	-0.2	0.0	0.1	0.0	0.5
CRMS 3985	0.1	0.1	-0.7	0.2	0.0	1.6	1.5	0.7	0.3	0.2	0.2	0.4
CRMS 0258	0.0	0.2	-0.1	-1.3	-3.1	-1.9	0.7	0.8	-0.6	-0.9	0.4	0.6
CRMS 0224	0.2	0.2	0.0	-0.9	-2.1	-1.9	-1.5	0.8	-0.5	-0.5	0.1	1.0
CRMS 0163	0.0	-0.2	0.0	0.0	0.0	0.6	1.6	-0.2	-0.2	-0.2	-0.1	0.0
CRMS 0162	-0.2	-0.1	0.0	0.0	0.0	0.1	0.1	0.2	1.5	1.1	0.2	-0.1

Figure WQ DO 230 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.8	10.8	10.2	9.7	9.1	8.5	8.2	8.2	9.2	10.0	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.5	9.3	8.3	7.9	7.9	7.1	7.7	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.5	8.3	7.3	6.6	6.2	7.1	6.9	8.2	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.8	11.0	10.7	10.1	9.3	8.3	8.0	8.8	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.5	9.3	8.6	7.8	7.4	7.4	7.4	8.8	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.0	9.4	8.7	7.6	7.4	7.5	7.3	8.5	8.8	8.7
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	9.4	8.7	8.0	6.8	6.6	6.3	6.4	7.3	8.5	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.2	9.6	8.9	8.2	8.3	7.2	7.6	8.5	8.9	8.6
HWQ14 - Lake Washington	10.3	9.7	10.6	9.0	8.2	7.3	6.7	6.8	7.0	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.1	7.7	6.6	6.1	6.7	6.0	6.8	7.9	8.3
CRMS 3985	10.9	10.2	10.0	8.9	8.1	7.1	6.8	6.7	6.8	8.1	9.6	9.5
CRMS 0258	10.2	9.9	10.5	10.3	11.3	11.1	9.4	9.5	9.7	10.2	9.6	9.3
CRMS 0224	9.8	9.6	10.4	10.0	10.1	9.6	8.8	8.9	8.4	9.7	9.0	8.7
CRMS 0163	10.8	10.3	9.3	8.4	7.4	6.7	6.5	8.4	7.0	8.1	9.4	9.6
CRMS 0162	10.0	9.5	8.9	8.2	7.3	6.5	6.0	6.2	6.5	7.2	8.2	9.0

V3PR8 HYST - cy 5 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.8	9.3	8.2	7.7	7.6	7.0	6.7	6.6	6.8	7.8	9.1	9.4
CRMS0276 - Just east of Wilkinson Canal	9.6	9.8	9.5	8.6	9.4	7.4	6.9	7.4	7.0	7.7	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.7	10.5	9.6	8.3	7.4	7.1	6.8	7.2	6.9	8.2	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.3	9.9	9.2	8.3	7.7	6.8	6.5	8.0	6.6	9.0	8.5	8.5
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.7	8.7	7.8	7.1	7.1	9.1	7.7	9.0	9.9	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.0	10.2	9.7	8.7	7.7	7.0	6.5	9.1	7.5	8.9	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.2	10.1	9.9	8.8	8.4	7.7	6.5	7.7	7.0	7.8	8.7	8.6
USGS073802516 Barataria Pass at Grand Isle	10.2	9.9	9.9	9.3	10.2	9.0	7.6	8.0	7.1	8.3	8.9	8.9
HWQ14 - Lake Washington	10.8	10.3	9.8	9.2	9.7	8.0	7.0	6.1	6.5	8.0	9.5	9.5
HWQ16 - Bayou Grand Liard	8.5	9.2	9.4	8.7	8.0	6.4	5.8	5.6	5.9	6.7	7.9	7.9
CRMS 3985	11.1	10.5	9.9	8.9	8.5	8.3	8.2	8.0	7.1	8.2	9.7	9.5
CRMS 0258	10.8	10.3	10.0	9.0	9.7	11.6	9.8	12.0	9.6	10.2	9.5	9.3
CRMS 0224	10.9	10.3	10.0	8.9	8.7	8.2	6.8	10.1	8.2	9.4	9.1	8.8
CRMS 0163	10.7	10.4	9.4	8.4	7.5	7.1	7.2	8.9	7.0	8.1	9.4	9.6
CRMS 0162	9.9	9.4	8.8	8.1	7.3	6.4	5.9	6.2	6.4	7.2	8.2	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.0	-0.5	-2.6	-2.6	-2.1	-2.1	-1.8	-1.6	-1.4	-1.4	-0.9	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.1	0.0	0.1	0.2	0.2	-0.9	-1.0	-0.4	-0.2	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.0	0.1	0.5	0.6	0.1	0.0	0.0	0.0	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.2	-1.8	-2.3	-2.5	-2.5	-1.8	-0.1	-2.2	-0.5	-1.4	-1.1
USGS7380251 Barataria Bay North of Grand Isle	0.6	0.5	-0.8	-0.6	-0.8	-0.7	-0.3	1.7	0.3	0.2	0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.5	0.8	-0.3	-0.7	-1.0	-0.6	-0.9	1.6	0.2	0.4	0.3	0.5
USGS 07380335 - Little Lake Near Cutoff	1.0	0.8	0.5	0.1	0.4	0.9	-0.1	1.4	0.5	0.6	0.1	0.1
USGS073802516 Barataria Pass at Grand Isle	0.9	0.8	-0.3	-0.4	1.3	0.8	-0.7	0.8	-0.5	-0.2	0.0	0.3
HWQ14 - Lake Washington	0.6	0.5	-0.8	0.2	1.5	0.7	0.3	-0.7	-0.5	-0.2	0.0	0.0
HWQ16 - Bayou Grand Liard	0.3	0.4	0.8	0.5	0.3	-0.2	-0.3	-1.1	-0.1	-0.2	0.0	-0.4
CRMS 3985	0.2	0.3	-0.2	0.0	0.5	1.1	1.4	1.2	0.3	0.1	0.0	0.0
CRMS 0258	0.6	0.4	-0.5	-1.3	-1.7	0.5	0.4	2.5	-0.1	0.0	0.0	0.0
CRMS 0224	1.1	0.7	-0.4	-1.0	-1.4	-1.4	-1.9	1.2	-0.2	-0.3	0.0	0.2
CRMS 0163	-0.1	0.1	0.1	0.0	0.0	0.3	0.7	0.5	0.0	0.0	0.0	0.0
CRMS 0162	-0.1	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	0.0	0.0	0.0	0.0	-0.1

Figure WQ DO 231 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.9	9.3	8.5	8.2	7.9	9.0	9.8	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.4	8.8	8.1	8.2	7.4	6.7	6.8	8.3	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.5	7.3	8.1	7.0	7.3	7.2	8.5	9.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	10.9	10.9	10.4	9.8	8.7	8.4	8.1	9.1	9.7	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.7	7.7	7.2	7.2	7.1	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.2	9.4	8.6	7.6	7.2	6.8	6.9	7.8	8.9	8.6
USGS 07380335 - Little Lake Near Cutoff	9.1	9.4	9.6	9.2	7.5	6.4	6.2	6.1	6.1	7.6	9.1	8.4
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.3	9.7	8.8	7.9	7.7	6.5	6.8	7.9	8.9	8.4
HWQ14 - Lake Washington	10.2	9.7	10.6	9.0	7.8	6.8	6.3	6.2	6.7	8.1	9.2	9.1
HWQ16 - Bayou Grand Liard	8.2	8.9	8.7	8.3	7.3	6.1	6.7	8.6	6.5	7.9	8.6	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.9	6.8	6.6	6.8	6.7	8.0	9.5	9.4
CRMS 0258	10.2	9.9	10.7	10.4	11.6	11.2	9.1	8.7	9.4	9.3	9.7	9.3
CRMS 0224	9.7	9.7	10.6	10.1	9.9	9.5	8.7	8.2	8.3	8.6	9.4	8.8
CRMS 0163	10.7	10.1	9.2	8.6	7.5	8.6	7.7	8.6	7.1	8.4	9.3	9.6
CRMS 0162	9.9	9.5	8.9	8.2	7.3	6.8	6.3	6.6	8.0	9.1	8.2	8.9

V3PR8 HYST - cy 5 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.7	8.5	8.2	8.0	7.6	7.0	6.5	6.5	7.0	8.0	9.1	8.6
CRMS0276 - Just east of Wilkinson Canal	9.6	10.1	9.5	9.4	8.8	8.3	7.6	6.9	6.9	8.2	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.7	10.4	9.5	8.5	7.4	8.1	7.0	7.3	7.4	9.0	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	11.1	9.8	9.0	8.6	7.7	8.1	7.6	6.2	5.1	6.8	8.2	9.0
USGS7380251 Barataria Bay North of Grand Isle	11.4	10.5	9.6	8.9	7.8	9.1	8.0	7.6	7.5	9.0	9.8	10.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.8	10.5	9.6	8.8	7.7	9.5	8.4	8.0	7.2	8.9	9.3	9.6
USGS 07380335 - Little Lake Near Cutoff	10.1	10.6	9.8	9.0	8.1	9.1	7.9	6.8	7.0	7.8	9.1	9.2
USGS073802516 Barataria Pass at Grand Isle	10.2	10.5	9.9	9.8	9.5	8.8	8.0	6.6	7.0	8.0	8.9	9.2
HWQ14 - Lake Washington	10.8	10.5	9.8	9.7	9.2	7.4	6.3	6.2	6.7	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.5	9.7	9.5	9.0	7.6	6.3	6.5	8.3	6.1	7.4	8.4	8.2
CRMS 3985	11.2	10.6	9.8	9.2	8.3	7.6	7.1	7.1	7.0	8.2	9.7	9.7
CRMS 0258	10.8	10.6	10.0	9.3	9.3	10.8	8.7	8.4	8.6	9.4	9.3	9.7
CRMS 0224	10.7	10.7	9.9	9.1	8.5	10.6	8.5	8.3	7.9	9.0	9.2	9.6
CRMS 0163	10.7	10.3	9.3	8.6	7.5	8.4	7.4	8.1	7.1	8.5	9.3	9.6
CRMS 0162	9.8	9.5	8.8	8.3	7.3	6.8	6.4	6.7	7.7	8.9	8.2	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.1	-1.3	-2.6	-2.5	-2.3	-2.4	-2.0	-1.7	-0.9	-1.1	-0.7	-1.0
CRMS0276 - Just east of Wilkinson Canal	0.1	0.2	0.1	0.6	0.7	0.1	0.2	0.3	0.1	-0.1	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.0	0.1	-0.1	0.0	0.0	0.2	0.5	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.5	0.0	-1.9	-2.3	-2.7	-1.6	-1.1	-2.2	-3.1	-2.2	-1.4	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.6	0.6	-0.9	-0.4	-0.9	1.5	0.7	0.4	0.5	0.4	0.3	0.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.3	1.1	-0.6	-0.6	-0.8	1.9	1.2	1.2	0.3	1.2	0.4	1.0
USGS 07380335 - Little Lake Near Cutoff	1.0	1.3	0.2	-0.2	0.6	2.7	1.7	0.7	1.0	0.2	-0.1	0.8
USGS073802516 Barataria Pass at Grand Isle	0.9	1.4	-0.4	0.1	0.7	0.9	0.3	0.1	0.2	0.2	0.1	0.8
HWQ14 - Lake Washington	0.5	0.8	-0.8	0.7	1.4	0.6	0.0	0.0	0.0	0.1	0.3	0.4
HWQ16 - Bayou Grand Liard	0.3	0.8	0.8	0.7	0.4	0.2	-0.2	-0.3	-0.4	-0.4	-0.2	0.1
CRMS 3985	0.2	0.4	-0.3	0.4	0.4	0.8	0.6	0.3	0.3	0.2	0.2	0.3
CRMS 0258	0.6	0.7	-0.8	-1.1	-2.3	-0.4	-0.4	-0.4	-0.8	0.1	-0.4	0.4
CRMS 0224	1.0	1.0	-0.7	-1.0	-1.4	1.2	-0.2	0.1	-0.4	0.4	-0.2	0.8
CRMS 0163	0.0	0.1	0.1	0.0	0.0	-0.2	-0.3	-0.5	0.0	0.1	0.0	0.0
CRMS 0162	0.0	0.0	-0.1	0.0	0.0	0.0	0.1	0.0	-0.3	-0.2	0.0	0.0

Figure WQ DO 232 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.7	10.5	10.1	9.2	8.2	7.8	7.7	7.5	8.9	9.8	10.0
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.2	8.5	8.0	7.4	6.9	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.8	7.1	8.1	7.4	6.7	7.9	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.6	10.7	10.4	9.9	9.3	8.3	8.1	8.0	9.0	9.8	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.4	8.5	7.6	7.6	7.5	7.3	8.6	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.3	9.7	9.3	8.6	7.6	7.1	6.4	6.9	7.5	8.8	8.8
USGS 07380335 - Little Lake Near Cutoff	9.0	9.2	9.3	8.6	7.6	6.4	6.2	7.3	6.4	7.9	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	9.8	9.4	8.9	7.7	7.1	6.8	6.6	7.7	8.6	8.6
HWQ14 - Lake Washington	10.2	9.7	10.4	9.2	8.2	7.2	6.4	6.2	6.8	8.2	9.2	9.2
HWQ16 - Bayou Grand Liard	8.0	8.7	8.5	7.9	6.9	6.3	7.7	8.2	7.0	8.1	8.2	7.9
CRMS 3985	10.9	10.2	10.7	9.1	7.8	6.9	7.1	7.3	7.0	8.0	9.6	9.5
CRMS 0258	10.1	9.8	10.1	10.3	11.2	9.9	8.4	8.2	8.7	9.2	9.2	9.5
CRMS 0224	9.7	9.5	9.9	9.8	9.7	9.3	8.7	7.6	7.5	7.6	9.0	9.1
CRMS 0163	10.6	10.4	9.8	8.8	7.8	7.1	9.4	8.8	9.1	7.8	9.2	9.5
CRMS 0162	9.4	9.5	8.7	8.1	7.5	7.2	6.9	8.0	8.2	8.4	8.3	8.7

V3PR8 HYST - cy 5 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.6	9.2	9.2	8.7	7.5	6.9	6.6	6.7	7.1	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	9.3	9.8	9.4	8.6	8.3	7.7	7.3	6.9	6.6	7.7	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.5	9.9	8.9	7.8	7.1	8.1	7.7	6.6	7.9	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.8	10.5	9.5	9.1	8.0	7.0	6.9	6.1	4.8	6.6	8.6	8.5
USGS7380251 Barataria Bay North of Grand Isle	11.1	10.6	10.0	9.4	8.8	8.3	7.6	7.6	7.7	9.0	9.9	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.2	10.6	10.1	9.7	8.7	8.7	8.1	7.7	7.5	8.5	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	9.3	10.2	10.4	9.5	8.2	8.3	7.6	6.7	7.1	7.6	8.9	8.8
USGS073802516 Barataria Pass at Grand Isle	9.5	10.1	10.7	9.4	8.7	8.2	7.7	6.6	7.1	7.8	8.9	9.0
HWQ14 - Lake Washington	10.5	10.3	10.8	9.2	8.2	7.2	6.6	6.4	6.8	8.2	9.5	9.5
HWQ16 - Bayou Grand Liard	8.1	9.1	8.7	8.1	7.2	6.3	7.4	8.1	6.8	7.8	8.3	8.0
CRMS 3985	11.0	10.4	10.0	9.1	8.4	7.2	6.9	7.2	7.2	8.2	9.7	9.6
CRMS 0258	10.1	10.3	10.9	10.1	11.2	9.5	7.8	7.5	7.9	8.8	9.2	9.4
CRMS 0224	9.9	10.5	10.5	9.9	10.0	9.1	8.1	7.6	7.5	8.0	8.9	9.1
CRMS 0163	10.6	10.4	9.8	8.8	7.8	7.1	8.1	8.2	8.6	7.8	9.2	9.5
CRMS 0162	9.3	9.4	8.8	8.2	7.5	7.4	6.9	8.3	8.1	8.5	8.3	8.7

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.1	-0.5	-1.3	-1.4	-1.7	-1.3	-1.3	-1.0	-0.4	-1.0	-0.7	-0.5
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.2	0.1	0.3	0.2	0.4	-0.3	-0.1	0.2	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.2	-0.1	0.0	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.2	0.8	-1.3	-1.3	-1.9	-2.4	-1.4	-2.0	-3.2	-2.3	-1.2	-1.2
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.6	-0.6	0.1	0.3	0.7	0.1	0.0	0.4	0.3	0.3	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.7	1.4	0.4	0.4	0.1	1.1	1.1	1.3	0.6	1.1	0.5	0.4
USGS 07380335 - Little Lake Near Cutoff	0.4	1.1	1.1	0.9	0.6	1.9	1.4	-0.6	0.7	-0.3	0.2	0.3
USGS073802516 Barataria Pass at Grand Isle	0.2	1.1	0.8	0.0	-0.1	0.5	0.6	-0.2	0.5	0.1	0.3	0.4
HWQ14 - Lake Washington	0.3	0.6	0.4	0.0	0.0	0.0	0.2	0.2	0.1	0.1	0.4	0.3
HWQ16 - Bayou Grand Liard	0.1	0.4	0.3	0.2	0.2	0.0	-0.3	-0.1	-0.3	-0.3	0.1	0.1
CRMS 3985	0.1	0.2	-0.7	-0.1	0.5	0.3	-0.1	-0.1	0.1	0.2	0.1	0.1
CRMS 0258	0.0	0.5	0.7	-0.2	0.0	-0.4	-0.5	-0.7	-0.8	-0.4	0.0	-0.1
CRMS 0224	0.3	1.0	0.6	0.1	0.4	-0.2	-0.6	0.0	0.0	0.3	-0.1	0.0
CRMS 0163	0.0	0.0	0.0	0.0	0.0	0.0	-1.3	-0.6	-0.5	0.0	0.0	0.0
CRMS 0162	0.0	-0.1	0.1	0.1	0.0	0.2	0.0	0.4	0.0	0.1	0.0	0.0

Figure WQ DO 233 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.7	9.2	8.8	8.8	8.5	9.4	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.6	8.7	8.3	7.5	7.4	7.1	6.8	7.6	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.6	8.6	7.6	6.6	6.4	6.5	7.0	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	11.0	10.9	10.1	10.1	8.8	8.7	9.2	9.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.6	7.5	7.3	7.4	7.1	8.6	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.5	10.3	9.4	8.6	7.6	7.2	7.3	7.0	8.3	8.7	8.7
USGS 07380335 - Little Lake Near Cutoff	9.2	9.5	10.2	9.0	7.7	6.3	6.1	6.0	6.1	7.1	8.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.4	9.3	10.3	9.6	8.8	7.8	7.6	6.8	7.2	8.3	8.7	8.6
HWQ14 - Lake Washington	10.2	9.7	10.5	9.0	7.9	6.9	6.2	6.1	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.4	9.1	8.7	8.2	7.0	6.3	5.9	6.4	5.9	7.0	7.9	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.8	6.7	6.6	6.9	6.7	7.9	9.6	9.4
CRMS 0258	10.2	10.0	10.7	10.5	11.5	10.6	9.6	10.1	9.4	10.5	9.4	9.3
CRMS 0224	9.8	9.7	10.5	10.2	9.8	9.3	8.5	8.9	8.5	9.6	8.9	8.7
CRMS 0163	10.7	10.0	9.4	8.6	7.7	6.8	6.5	7.0	7.1	8.1	9.3	9.5
CRMS 0162	10.0	9.5	8.9	8.2	7.5	6.5	6.0	6.0	6.4	7.3	8.2	8.7

V3PR8 HYST - cy 5 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.8	8.5	8.3	8.0	7.6	6.9	6.6	6.7	6.9	7.9	9.1	9.5
CRMS0276 - Just east of Wilkinson Canal	10.3	10.2	9.6	9.3	8.4	7.3	6.7	7.2	6.8	7.7	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.8	10.3	9.7	8.6	7.9	6.9	6.7	6.6	7.0	8.3	9.4	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.6	9.5	8.7	7.8	6.7	6.3	6.9	6.3	7.4	8.4	8.4
USGS7380251 Barataria Bay North of Grand Isle	11.3	10.4	9.9	9.1	8.0	7.5	7.1	8.5	7.7	8.9	9.9	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.2	10.4	9.8	9.0	8.1	7.1	6.2	7.3	7.7	9.1	9.2	9.2
USGS 07380335 - Little Lake Near Cutoff	10.9	10.6	9.9	9.3	8.3	7.4	6.3	6.6	7.0	8.1	8.7	8.7
USGS073802516 Barataria Pass at Grand Isle	10.9	10.6	10.0	10.1	8.5	8.2	7.2	7.3	7.1	8.3	8.9	8.9
HWQ14 - Lake Washington	11.0	10.5	9.9	10.0	8.3	7.4	6.7	6.2	6.5	8.1	9.5	9.5
HWQ16 - Bayou Grand Liard	9.2	9.9	9.6	8.9	7.2	6.3	6.0	5.8	5.9	6.8	7.9	8.0
CRMS 3985	11.2	10.5	9.9	9.5	8.2	8.0	7.9	8.1	7.1	8.1	9.7	9.5
CRMS 0258	11.3	10.6	10.1	9.8	9.9	11.5	9.8	12.3	9.3	10.1	9.5	9.4
CRMS 0224	11.3	10.7	10.1	9.4	9.0	8.8	6.6	8.6	8.3	9.5	9.0	8.9
CRMS 0163	10.7	10.1	9.5	8.6	7.7	7.0	6.9	7.6	7.1	8.1	9.4	9.5
CRMS 0162	9.9	9.5	8.9	8.2	7.5	6.5	6.0	6.1	6.4	7.4	8.2	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.0	-1.4	-2.5	-2.4	-2.1	-2.2	-2.2	-2.2	-1.6	-1.5	-0.8	-0.1
CRMS0276 - Just east of Wilkinson Canal	0.6	0.2	0.1	0.6	0.1	-0.3	-0.7	0.1	0.0	0.0	0.0	0.0
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.0	0.2	0.2	0.3	0.1	0.0	0.0	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	-0.2	-1.5	-2.2	-2.3	-3.3	-2.5	-1.9	-2.9	-2.2	-1.5	-1.1
USGS7380251 Barataria Bay North of Grand Isle	0.5	0.5	-0.7	-0.2	-0.5	-0.1	-0.1	1.1	0.5	0.3	0.2	0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.6	0.9	-0.4	-0.4	-0.5	-0.5	-0.9	0.0	0.7	0.8	0.4	0.5
USGS 07380335 - Little Lake Near Cutoff	1.7	1.2	-0.2	0.2	0.6	1.1	0.1	0.6	0.9	1.0	0.2	0.2
USGS073802516 Barataria Pass at Grand Isle	1.5	1.3	-0.3	0.5	-0.2	0.4	-0.4	0.4	-0.1	0.1	0.2	0.4
HWQ14 - Lake Washington	0.8	0.8	-0.6	1.0	0.4	0.5	0.4	0.0	-0.1	0.0	0.1	0.2
HWQ16 - Bayou Grand Liard	0.8	0.9	0.8	0.7	0.2	0.0	0.1	-0.6	0.0	-0.1	0.0	-0.1
CRMS 3985	0.3	0.4	-0.2	0.6	0.4	1.2	1.3	1.2	0.4	0.2	0.1	0.1
CRMS 0258	1.1	0.6	-0.6	-0.7	-1.6	0.9	0.3	2.2	-0.1	-0.4	0.0	0.1
CRMS 0224	1.6	0.9	-0.4	-0.8	-0.8	-0.5	-1.9	-0.2	-0.2	-0.2	0.1	0.2
CRMS 0163	0.0	0.2	0.1	0.0	0.1	0.3	0.4	0.6	-0.1	0.0	0.0	0.0
CRMS 0162	-0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.0	-0.1

Figure WQ DO 234 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.6	10.5	10.3	9.8	9.5	9.1	9.1	8.5	9.4	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.2	8.5	7.5	8.5	8.2	7.5	6.8	7.9	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.3	10.3	9.6	8.6	7.0	6.3	6.5	6.9	7.2	8.5	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.5	10.4	10.5	10.5	10.1	8.9	8.7	9.2	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.5	8.6	7.8	7.5	7.6	7.2	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.1	9.6	9.3	8.5	7.6	7.2	7.4	7.0	8.3	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.0	9.1	9.1	8.6	7.4	6.5	6.3	6.1	6.2	7.4	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	10.0	9.5	8.6	8.0	8.0	7.1	7.3	8.3	8.9	8.5
HWQ14 - Lake Washington	10.2	9.6	10.5	9.2	8.1	6.9	6.3	6.2	6.7	8.1	9.3	9.2
HWQ16 - Bayou Grand Liard	8.1	8.7	9.2	8.1	7.0	6.4	5.9	6.7	5.9	7.2	8.7	8.3
CRMS 3985	10.9	10.2	10.6	9.2	8.0	6.9	6.6	6.9	6.7	8.0	9.5	9.4
CRMS 0258	10.1	9.5	10.0	10.3	10.9	10.9	9.6	9.9	9.5	10.4	9.1	9.3
CRMS 0224	9.7	9.2	9.9	9.9	9.8	9.5	8.6	8.9	8.4	9.5	9.0	8.9
CRMS 0163	10.5	10.3	9.4	8.7	7.3	6.5	6.7	8.6	7.4	8.1	9.4	9.4
CRMS 0162	9.4	8.9	8.8	8.2	7.0	6.3	6.0	6.1	6.3	7.7	8.2	9.0

V3PR8 HYST - cy 5 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	10.2	8.2	7.9	7.1	7.0	6.6	6.5	7.0	7.9	9.0	8.2
CRMS0276 - Just east of Wilkinson Canal	9.3	9.4	9.3	8.7	7.8	7.9	6.9	7.4	6.8	8.3	8.8	9.2
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.7	8.6	7.0	7.1	7.2	6.9	7.1	8.5	9.3	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	10.9	9.5	9.3	8.7	7.4	6.8	6.4	7.4	5.8	7.5	8.4	9.3
USGS7380251 Barataria Bay North of Grand Isle	11.0	10.1	9.7	8.9	7.4	7.2	7.8	8.6	7.6	9.0	9.9	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.0	9.5	9.7	8.9	7.4	7.0	6.7	9.1	7.6	9.1	9.3	9.8
USGS 07380335 - Little Lake Near Cutoff	9.3	9.2	9.7	8.9	7.4	8.1	6.9	7.8	7.1	8.2	9.1	9.7
USGS073802516 Barataria Pass at Grand Isle	9.5	9.2	9.8	9.3	8.0	9.4	7.8	7.7	7.1	8.3	9.1	9.7
HWQ14 - Lake Washington	10.5	9.9	9.8	9.3	8.1	8.3	6.8	6.0	6.6	8.1	9.5	9.6
HWQ16 - Bayou Grand Liard	8.2	8.7	9.4	8.7	7.2	6.6	5.8	6.2	5.9	7.1	8.5	8.8
CRMS 3985	11.0	10.2	9.8	9.1	7.7	8.3	8.4	7.6	7.0	8.2	9.7	9.8
CRMS 0258	10.1	9.6	9.9	9.1	8.1	10.7	11.4	10.6	9.1	10.0	9.1	9.9
CRMS 0224	9.8	9.4	9.9	9.0	7.8	8.1	7.6	9.6	8.2	9.3	9.0	9.9
CRMS 0163	10.5	10.3	9.5	8.7	7.3	6.8	7.9	8.3	7.2	8.1	9.4	9.5
CRMS 0162	9.4	8.9	8.7	8.2	7.0	6.3	6.0	6.2	6.4	7.8	8.2	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.6	-2.2	-2.3	-2.7	-2.5	-2.5	-2.6	-1.5	-1.5	-0.9	-1.6
CRMS0276 - Just east of Wilkinson Canal	0.0	0.1	0.1	0.2	0.3	-0.6	-1.3	0.0	0.0	0.4	0.0	0.2
Barataria Waterway at Lafitte (USACE82875)	0.1	0.1	0.1	0.0	0.0	0.8	0.7	0.0	0.0	0.0	0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.3	0.0	-1.1	-1.9	-3.1	-3.3	-2.5	-1.3	-3.3	-2.1	-1.5	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.3	0.2	-0.7	-0.5	-1.2	-0.6	0.2	1.1	0.4	0.3	0.3	0.3
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.6	0.4	0.1	-0.4	-1.1	-0.6	-0.5	1.8	0.5	0.8	0.2	1.1
USGS 07380335 - Little Lake Near Cutoff	0.4	0.2	0.7	0.2	0.0	1.7	0.6	1.7	0.9	0.8	-0.2	1.3
USGS073802516 Barataria Pass at Grand Isle	0.2	0.2	-0.2	-0.2	-0.7	1.4	-0.1	0.6	-0.1	0.0	0.1	1.2
HWQ14 - Lake Washington	0.3	0.2	-0.7	0.2	0.0	1.5	0.5	-0.2	-0.1	0.0	0.2	0.4
HWQ16 - Bayou Grand Liard	0.1	0.1	0.2	0.6	0.2	0.2	-0.1	-0.4	0.0	-0.1	-0.1	0.5
CRMS 3985	0.1	0.1	-0.7	-0.1	-0.3	1.4	1.8	0.8	0.3	0.2	0.1	0.5
CRMS 0258	0.0	0.1	-0.1	-1.2	-2.8	-0.2	1.8	0.6	-0.4	-0.4	0.0	0.6
CRMS 0224	0.2	0.2	0.0	-0.9	-2.0	-1.3	-1.0	0.8	-0.3	-0.2	0.0	1.0
CRMS 0163	0.0	0.0	0.1	0.0	0.0	0.3	1.1	-0.3	-0.2	-0.1	0.0	0.1
CRMS 0162	0.0	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	-0.1

Figure WQ DO 235 - Monthly Average Dissolved Oxygen (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.8	10.8	10.2	9.7	9.1	8.5	8.2	8.2	9.2	10.0	9.5
CRMS0276 - Just east of Wilkinson Canal	9.5	9.7	9.4	8.5	9.3	8.3	7.9	7.9	7.1	7.7	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.6	10.4	9.5	8.3	7.3	6.6	6.2	7.1	6.9	8.2	9.4	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.8	11.0	10.7	10.1	9.3	8.3	8.0	8.8	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.5	9.3	8.6	7.8	7.4	7.4	7.4	8.8	9.8	9.8
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.0	9.4	8.7	7.6	7.4	7.5	7.3	8.5	8.8	8.7
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	9.4	8.7	8.0	6.8	6.6	6.3	6.4	7.3	8.5	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.2	9.6	8.9	8.2	8.3	7.2	7.6	8.5	8.9	8.6
HWQ14 - Lake Washington	10.3	9.7	10.6	9.0	8.2	7.3	6.7	6.8	7.0	8.2	9.6	9.5
HWQ16 - Bayou Grand Liard	8.2	8.8	8.6	8.1	7.7	6.6	6.1	6.7	6.0	6.8	7.9	8.3
CRMS 3985	10.9	10.2	10.0	8.9	8.1	7.1	6.8	6.7	6.8	8.1	9.6	9.5
CRMS 0258	10.2	9.9	10.5	10.3	11.3	11.1	9.4	9.5	9.7	10.2	9.6	9.3
CRMS 0224	9.8	9.6	10.4	10.0	10.1	9.6	8.8	8.9	8.4	9.7	9.0	8.7
CRMS 0163	10.8	10.3	9.3	8.4	7.4	6.7	6.5	8.4	7.0	8.1	9.4	9.6
CRMS 0162	10.0	9.5	8.9	8.2	7.3	6.5	6.0	6.2	6.5	7.2	8.2	9.0

V3PR9 HYST - cy 5 - 2008 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.9	9.8	10.8	10.1	9.5	8.9	8.5	8.2	8.1	9.0	9.9	9.2
CRMS0276 - Just east of Wilkinson Canal	9.4	9.5	9.3	8.5	10.2	8.2	8.1	7.4	6.8	8.5	9.8	8.5
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.6	8.4	7.6	7.3	6.9	8.0	7.3	8.3	9.3	9.4
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.7	10.9	10.6	9.9	9.1	8.2	8.0	8.6	9.5	9.7	9.1
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.5	9.3	8.6	7.8	7.6	7.7	7.5	8.9	9.7	9.7
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.3	10.1	9.4	8.7	7.5	7.3	7.3	7.3	8.4	9.0	8.5
USGS 07380335 - Little Lake Near Cutoff	9.1	9.2	9.3	8.7	8.0	6.8	6.6	6.2	6.4	7.6	9.0	8.2
USGS073802516 Barataria Pass at Grand Isle	9.3	9.1	10.2	9.6	9.0	8.2	8.1	7.3	7.4	8.4	8.9	8.4
HWQ14 - Lake Washington	10.3	9.7	10.8	9.1	8.3	7.3	6.7	6.7	7.1	8.3	9.4	9.3
HWQ16 - Bayou Grand Liard	8.1	8.7	8.6	8.1	7.5	6.5	6.0	7.6	6.1	7.3	9.0	8.1
CRMS 3985	10.9	10.2	9.9	9.1	8.0	7.1	6.7	7.1	6.9	8.2	9.6	9.5
CRMS 0258	10.2	9.8	10.6	10.3	11.1	11.0	9.2	9.5	9.5	9.9	9.6	9.4
CRMS 0224	9.8	9.5	10.3	10.0	10.1	9.3	8.5	8.7	8.2	9.5	9.4	8.6
CRMS 0163	10.7	10.3	9.4	8.4	7.5	6.9	6.9	8.9	6.9	7.9	9.3	9.4
CRMS 0162	9.8	9.3	9.0	8.2	7.3	6.6	6.0	6.4	6.9	7.8	8.3	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	-0.1	-0.2	-0.3	0.0	0.1	-0.1	-0.1	-0.2	-0.2
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.2	-0.1	0.0	0.9	0.0	0.2	-0.5	-0.3	0.8	1.3	0.0
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.0	0.1	0.1	0.2	0.7	0.7	0.9	0.4	0.1	-0.1	-0.2
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	-0.1	-0.1	-0.1	-0.2	-0.2	-0.1	0.0	-0.2	-0.1	-0.2	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	-0.1	0.0	-0.1	-0.1	0.2	0.4	0.1	0.0	-0.1	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	-0.1	0.1	0.0	0.0	-0.1	-0.1	-0.2	-0.1	-0.1	0.2	-0.2
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	0.0	0.0	0.0	0.0	0.1	-0.1	0.0	0.4	0.5	-0.3
USGS073802516 Barataria Pass at Grand Isle	0.0	-0.1	0.0	0.0	0.1	0.0	-0.2	0.1	-0.1	-0.1	0.0	-0.3
HWQ14 - Lake Washington	0.0	0.0	0.1	0.1	0.0	0.0	0.0	-0.1	0.1	0.0	-0.2	-0.2
HWQ16 - Bayou Grand Liard	-0.1	-0.1	-0.1	0.0	-0.1	-0.1	-0.1	0.9	0.1	0.5	1.0	-0.2
CRMS 3985	0.0	0.0	-0.1	0.1	0.0	0.0	0.0	0.3	0.1	0.1	0.0	0.0
CRMS 0258	0.0	-0.1	0.1	0.0	-0.2	-0.1	-0.1	0.0	-0.2	-0.3	0.0	0.1
CRMS 0224	0.0	-0.1	-0.1	0.0	0.0	-0.3	-0.3	-0.3	-0.2	-0.2	0.4	-0.1
CRMS 0163	-0.1	0.0	0.1	0.1	0.0	0.2	0.4	0.5	-0.1	-0.2	-0.1	-0.2
CRMS 0162	-0.2	-0.2	0.0	0.0	0.0	0.1	0.0	0.2	0.5	0.5	0.1	-0.3

Figure WQ DO 236 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.9	9.3	8.5	8.2	7.9	9.0	9.8	9.6
CRMS0276 - Just east of Wilkinson Canal	9.5	9.9	9.4	8.8	8.1	8.2	7.4	6.7	6.8	8.3	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.4	8.5	7.3	8.1	7.0	7.3	7.2	8.5	9.2	9.7
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	10.9	10.9	10.4	9.8	8.7	8.4	8.1	9.1	9.7	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.7	7.7	7.2	7.2	7.1	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.2	9.4	8.6	7.6	7.2	6.8	6.9	7.8	8.9	8.6
USGS 07380335 - Little Lake Near Cutoff	9.1	9.4	9.6	9.2	7.5	6.4	6.2	6.1	6.1	7.6	9.1	8.4
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.3	9.7	8.8	7.9	7.7	6.5	6.8	7.9	8.9	8.4
HWQ14 - Lake Washington	10.2	9.7	10.6	9.0	7.8	6.8	6.3	6.2	6.7	8.1	9.2	9.1
HWQ16 - Bayou Grand Liard	8.2	8.9	8.7	8.3	7.3	6.1	6.7	8.6	6.5	7.9	8.6	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.9	6.8	6.6	6.8	6.7	8.0	9.5	9.4
CRMS 0258	10.2	9.9	10.7	10.4	11.6	11.2	9.1	8.7	9.4	9.3	9.7	9.3
CRMS 0224	9.7	9.7	10.6	10.1	9.9	9.5	8.7	8.2	8.3	8.6	9.4	8.8
CRMS 0163	10.7	10.1	9.2	8.6	7.5	8.6	7.7	8.6	7.1	8.4	9.3	9.6
CRMS 0162	9.9	9.5	8.9	8.2	7.3	6.8	6.3	6.6	8.0	9.1	8.2	8.9

V3PR9 HYST - cy 5 - 1994 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.7	10.2	9.3	8.7	7.9	7.4	7.4	8.6	9.7	9.3
CRMS0276 - Just east of Wilkinson Canal	9.3	9.7	9.3	9.0	8.6	8.5	7.6	7.1	6.7	8.5	9.7	8.4
Barataria Waterway at Lafitte (USACE82875)	10.5	10.4	9.5	8.6	7.5	8.4	8.2	7.7	7.2	8.0	9.1	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.8	10.9	10.6	9.8	9.0	8.0	7.7	7.8	8.2	9.6	9.1
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.6	9.3	8.4	7.7	7.5	7.6	7.4	8.8	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.3	9.5	8.6	7.5	7.2	6.7	7.1	7.5	9.1	8.5
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	9.8	9.2	7.9	6.8	6.7	6.9	6.5	7.5	9.1	8.3
USGS073802516 Barataria Pass at Grand Isle	9.3	9.1	10.3	9.7	9.2	8.1	7.9	6.6	6.9	7.8	9.1	8.4
HWQ14 - Lake Washington	10.3	9.7	10.5	9.2	8.2	7.3	6.8	6.8	7.0	8.2	9.3	9.1
HWQ16 - Bayou Grand Liard	8.1	8.8	8.6	8.2	7.3	6.4	7.1	8.2	6.9	7.7	8.8	8.1
CRMS 3985	11.0	10.2	10.2	9.0	8.0	7.1	6.7	7.0	6.9	8.2	9.6	9.4
CRMS 0258	10.2	9.9	10.7	10.6	11.2	10.6	8.5	7.8	8.7	8.0	9.4	8.9
CRMS 0224	9.8	9.6	10.5	10.2	9.8	9.1	8.2	7.6	8.0	8.0	9.1	8.7
CRMS 0163	10.7	10.3	9.4	8.6	7.5	8.4	8.5	7.7	8.3	8.5	9.2	9.6
CRMS 0162	9.7	9.5	9.0	8.3	7.4	7.1	6.8	7.8	9.0	8.5	8.3	8.8

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.0	-0.3	-0.7	-0.6	-0.6	-0.8	-0.5	-0.4	-0.1	-0.3
CRMS0276 - Just east of Wilkinson Canal	-0.2	-0.2	0.0	0.2	0.5	0.3	0.2	0.5	-0.1	0.2	0.9	-0.3
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.1	0.2	0.1	0.2	0.2	1.2	0.4	0.0	-0.4	-0.1	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.0	0.0	-0.3	-0.7	-0.8	-0.7	-0.6	-0.4	-0.9	-0.1	-0.3
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	-0.2	0.0	0.3	0.4	0.3	0.1	0.1	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.0	0.1	0.1	0.0	-0.1	0.0	-0.1	0.2	-0.3	0.1	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	0.1	0.0	0.4	0.4	0.5	0.8	0.4	-0.1	-0.1	-0.1
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.1	0.0	0.4	0.2	0.2	0.0	0.1	0.0	0.2	-0.1
HWQ14 - Lake Washington	0.0	0.1	0.0	0.2	0.4	0.5	0.5	0.6	0.4	0.1	0.1	0.0
HWQ16 - Bayou Grand Liard	0.0	-0.1	-0.1	-0.1	0.0	0.2	0.5	-0.4	0.4	-0.2	0.2	0.1
CRMS 3985	0.0	0.1	0.1	0.2	0.1	0.3	0.2	0.1	0.2	0.2	0.0	0.0
CRMS 0258	0.1	-0.1	-0.1	0.1	-0.4	-0.6	-0.5	-0.9	-0.6	-1.3	-0.3	-0.4
CRMS 0224	0.0	-0.1	-0.1	0.1	-0.1	-0.4	-0.5	-0.6	-0.3	-0.6	-0.3	-0.1
CRMS 0163	-0.1	0.2	0.1	0.0	0.0	-0.2	0.8	-0.9	1.2	0.1	0.0	0.0
CRMS 0162	-0.1	0.0	0.1	0.1	0.1	0.3	0.4	1.2	0.9	-0.6	0.1	-0.1

Figure WQ DO 237 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.7	9.7	10.5	10.1	9.2	8.2	7.8	7.7	7.5	8.9	9.8	10.0
CRMS0276 - Just east of Wilkinson Canal	9.2	9.7	9.2	8.5	8.0	7.4	6.9	7.2	6.6	7.5	8.8	8.7
Barataria Waterway at Lafitte (USACE82875)	10.4	10.4	9.9	8.8	7.8	7.1	8.1	7.4	6.7	7.9	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.6	10.7	10.4	9.9	9.3	8.3	8.1	8.0	9.0	9.8	9.7
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.4	8.5	7.6	7.6	7.5	7.3	8.6	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.3	9.7	9.3	8.6	7.6	7.1	6.4	6.9	7.5	8.8	8.8
USGS 07380335 - Little Lake Near Cutoff	9.0	9.2	9.3	8.6	7.6	6.4	6.2	7.3	6.4	7.9	8.6	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	9.8	9.4	8.9	7.7	7.1	6.8	6.6	7.7	8.6	8.6
HWQ14 - Lake Washington	10.2	9.7	10.4	9.2	8.2	7.2	6.4	6.2	6.8	8.2	9.2	9.2
HWQ16 - Bayou Grand Liard	8.0	8.7	8.5	7.9	6.9	6.3	7.7	8.2	7.0	8.1	8.2	7.9
CRMS 3985	10.9	10.2	10.7	9.1	7.8	6.9	7.1	7.3	7.0	8.0	9.6	9.5
CRMS 0258	10.1	9.8	10.1	10.3	11.2	9.9	8.4	8.2	8.7	9.2	9.2	9.5
CRMS 0224	9.7	9.5	9.9	9.8	9.7	9.3	8.7	7.6	7.5	7.6	9.0	9.1
CRMS 0163	10.6	10.4	9.8	8.8	7.8	7.1	9.4	8.8	9.1	7.8	9.2	9.5
CRMS 0162	9.4	9.5	8.7	8.1	7.5	7.2	6.9	8.0	8.2	8.4	8.3	8.7

V3PR9 HYST - cy 5 - 2006 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.7	10.7	9.8	8.9	7.9	7.3	7.0	7.2	8.4	9.6	9.7
CRMS0276 - Just east of Wilkinson Canal	9.1	9.5	9.0	8.6	8.2	7.4	6.8	7.5	7.8	8.5	8.6	8.5
Barataria Waterway at Lafitte (USACE82875)	10.2	10.4	9.9	8.8	7.9	7.2	8.6	6.9	7.4	8.1	9.2	9.5
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.6	10.7	10.2	9.3	8.6	7.7	7.5	7.5	8.0	9.5	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.6	9.3	8.6	7.7	7.6	7.6	7.5	8.9	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.2	9.8	9.3	8.5	7.5	7.1	6.5	6.8	7.5	9.1	8.6
USGS 07380335 - Little Lake Near Cutoff	9.0	9.1	9.0	8.6	7.9	6.8	6.4	7.0	6.6	7.4	9.2	8.4
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	10.0	9.3	9.1	7.5	7.3	6.9	6.6	7.6	9.3	8.4
HWQ14 - Lake Washington	10.3	9.7	10.8	9.2	8.3	7.5	6.9	6.8	7.2	8.2	9.2	9.2
HWQ16 - Bayou Grand Liard	8.0	8.7	8.9	7.9	7.0	6.6	8.1	8.2	6.8	7.6	8.5	8.0
CRMS 3985	11.0	10.2	9.9	9.1	7.9	7.2	7.2	7.4	7.2	8.2	9.6	9.5
CRMS 0258	10.2	9.7	10.1	10.2	10.6	9.5	7.9	7.6	6.7	8.2	9.8	9.2
CRMS 0224	9.7	9.4	10.0	9.8	9.5	9.0	8.1	7.2	6.7	7.8	9.3	8.7
CRMS 0163	10.4	10.3	9.8	8.8	7.8	7.2	8.7	8.0	8.4	8.2	9.3	9.4
CRMS 0162	9.1	9.3	8.8	8.2	7.6	8.1	10.4	8.7	7.8	8.6	8.4	8.5

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.2	-0.3	-0.3	-0.3	-0.5	-0.7	-0.3	-0.4	-0.2	-0.3
CRMS0276 - Just east of Wilkinson Canal	-0.1	-0.2	-0.2	0.0	0.1	-0.1	-0.1	0.2	1.1	1.0	-0.2	-0.2
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.0	0.0	0.0	0.1	0.1	0.4	-0.5	0.7	0.2	0.0	-0.1
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.0	0.0	-0.2	-0.6	-0.8	-0.6	-0.6	-0.5	-0.9	-0.3	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	-0.1	0.1	0.1	0.1	0.1	0.3	0.2	0.0	-0.1
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	-0.1	0.1	0.0	-0.2	-0.1	0.0	0.1	-0.1	0.0	0.3	-0.2
USGS 07380335 - Little Lake Near Cutoff	0.0	-0.1	-0.3	0.1	0.2	0.3	0.3	-0.3	0.2	-0.5	0.6	-0.2
USGS073802516 Barataria Pass at Grand Isle	0.0	0.0	0.2	-0.1	0.2	-0.1	0.2	0.1	0.0	-0.1	0.7	-0.2
HWQ14 - Lake Washington	0.1	0.0	0.4	0.0	0.2	0.3	0.6	0.6	0.5	0.1	0.0	0.0
HWQ16 - Bayou Grand Liard	-0.1	0.0	0.4	0.0	0.0	0.3	0.4	0.0	-0.3	-0.5	0.3	0.1
CRMS 3985	0.0	0.0	-0.7	0.0	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.0
CRMS 0258	0.1	-0.1	0.0	-0.1	-0.5	-0.4	-0.5	-0.6	-2.1	-1.0	0.6	-0.3
CRMS 0224	0.0	-0.1	0.1	0.0	-0.2	-0.3	-0.6	-0.4	-0.8	0.2	0.3	-0.3
CRMS 0163	-0.1	-0.1	0.1	0.0	0.0	0.1	-0.6	-0.8	-0.7	0.4	0.0	0.0
CRMS 0162	-0.3	-0.2	0.1	0.1	0.1	0.9	3.6	0.7	-0.3	0.2	0.0	-0.2

Figure WQ DO 238 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.8	10.5	9.7	9.2	8.8	8.8	8.5	9.4	10.0	9.6
CRMS0276 - Just east of Wilkinson Canal	9.7	10.0	9.6	8.7	8.3	7.5	7.4	7.1	6.8	7.6	8.6	8.6
Barataria Waterway at Lafitte (USACE82875)	10.7	10.2	9.6	8.6	7.6	6.6	6.4	6.5	7.0	8.2	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.8	11.0	10.9	10.1	10.1	8.8	8.7	9.2	9.6	10.0	9.5
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.3	8.6	7.5	7.3	7.4	7.1	8.6	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.5	10.3	9.4	8.6	7.6	7.2	7.3	7.0	8.3	8.7	8.7
USGS 07380335 - Little Lake Near Cutoff	9.2	9.5	10.2	9.0	7.7	6.3	6.1	6.0	6.1	7.1	8.4	8.4
USGS073802516 Barataria Pass at Grand Isle	9.4	9.3	10.3	9.6	8.8	7.8	7.6	6.8	7.2	8.3	8.7	8.6
HWQ14 - Lake Washington	10.2	9.7	10.5	9.0	7.9	6.9	6.2	6.1	6.6	8.1	9.4	9.4
HWQ16 - Bayou Grand Liard	8.4	9.1	8.7	8.2	7.0	6.3	5.9	6.4	5.9	7.0	7.9	8.1
CRMS 3985	10.9	10.1	10.1	8.8	7.8	6.7	6.6	6.9	6.7	7.9	9.6	9.4
CRMS 0258	10.2	10.0	10.7	10.5	11.5	10.6	9.6	10.1	9.4	10.5	9.4	9.3
CRMS 0224	9.8	9.7	10.5	10.2	9.8	9.3	8.5	8.9	8.5	9.6	8.9	8.7
CRMS 0163	10.7	10.0	9.4	8.6	7.7	6.8	6.5	7.0	7.1	8.1	9.3	9.5
CRMS 0162	10.0	9.5	8.9	8.2	7.5	6.5	6.0	6.0	6.4	7.3	8.2	8.7

V3PR9 HYST - cy 5 - 2010 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.8	10.7	10.2	9.1	8.5	8.1	8.0	7.8	8.8	9.7	9.3
CRMS0276 - Just east of Wilkinson Canal	9.4	9.8	9.6	8.9	8.5	7.8	7.7	7.0	6.9	7.9	9.7	8.6
Barataria Waterway at Lafitte (USACE82875)	10.6	10.3	9.7	8.7	7.8	6.9	6.8	7.2	7.0	7.7	9.2	9.3
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.8	10.9	10.7	9.4	9.2	8.1	8.0	8.0	8.7	9.6	9.0
USGS7380251 Barataria Bay North of Grand Isle	10.8	10.0	10.5	9.4	8.4	7.6	7.4	7.5	7.3	8.8	9.7	9.6
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.4	10.2	9.5	8.5	7.6	7.2	7.1	7.1	7.8	9.0	8.5
USGS 07380335 - Little Lake Near Cutoff	9.1	9.3	10.1	9.1	8.0	6.6	6.5	6.2	6.3	7.5	9.1	9.0
USGS073802516 Barataria Pass at Grand Isle	9.3	9.2	10.2	9.7	9.2	7.8	7.8	6.9	7.2	8.0	8.9	8.5
HWQ14 - Lake Washington	10.3	9.7	10.4	9.2	8.2	7.3	6.7	6.6	6.9	8.2	9.3	9.2
HWQ16 - Bayou Grand Liard	8.2	8.9	8.5	8.1	7.0	6.4	6.2	8.0	6.2	7.5	8.9	8.6
CRMS 3985	10.9	10.2	10.3	9.0	8.0	7.0	6.7	7.0	6.8	8.1	9.6	9.4
CRMS 0258	10.2	9.9	10.7	10.7	11.1	10.5	9.1	9.5	9.3	9.2	9.7	8.7
CRMS 0224	9.7	9.7	10.4	10.3	9.8	9.4	8.4	8.5	8.3	8.3	9.3	8.6
CRMS 0163	10.7	10.2	9.5	8.6	7.7	6.9	6.7	7.7	7.0	8.3	9.3	9.3
CRMS 0162	10.1	9.6	9.0	8.3	7.8	6.6	6.2	6.2	7.9	8.6	8.3	8.6

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	-0.1	-0.3	-0.6	-0.7	-0.7	-0.8	-0.7	-0.6	-0.2	-0.3
CRMS0276 - Just east of Wilkinson Canal	-0.3	-0.1	0.0	0.2	0.2	0.2	0.4	-0.1	0.1	0.2	1.1	0.1
Barataria Waterway at Lafitte (USACE82875)	-0.1	0.2	0.1	0.1	0.2	0.3	0.4	0.6	0.0	-0.5	0.0	-0.4
USGS2928590900040000 Barataria Waterway South of Lafitte	0.1	0.0	0.0	-0.2	-0.7	-0.8	-0.8	-0.8	-1.2	-0.9	-0.3	-0.5
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.0	0.0	-0.2	0.1	0.2	0.1	0.2	0.2	0.0	0.0
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	-0.1	0.0	0.1	-0.2	0.0	0.1	-0.2	0.1	-0.5	0.3	-0.1
USGS 07380335 - Little Lake Near Cutoff	-0.1	-0.1	-0.1	0.1	0.3	0.3	0.3	0.2	0.2	0.4	0.7	0.6
USGS073802516 Barataria Pass at Grand Isle	0.0	-0.1	-0.1	0.1	0.4	-0.1	0.2	0.0	0.0	-0.2	0.2	-0.1
HWQ14 - Lake Washington	0.0	0.0	0.0	0.2	0.2	0.4	0.4	0.5	0.3	0.1	-0.1	-0.1
HWQ16 - Bayou Grand Liard	-0.2	-0.1	-0.2	-0.1	0.0	0.1	0.3	1.7	0.3	0.6	1.0	0.5
CRMS 3985	0.0	0.1	0.2	0.2	0.2	0.3	0.1	0.1	0.2	0.2	0.0	0.0
CRMS 0258	0.0	-0.1	0.0	0.1	-0.4	-0.1	-0.5	-0.7	-0.1	-1.4	0.3	-0.6
CRMS 0224	0.0	-0.1	-0.1	0.1	0.0	0.1	-0.1	-0.4	-0.2	-1.3	0.4	-0.1
CRMS 0163	0.0	0.2	0.1	0.0	0.0	0.1	0.3	0.8	-0.2	0.2	0.0	-0.2
CRMS 0162	0.1	0.1	0.1	0.1	0.3	0.2	0.2	0.2	1.5	1.3	0.1	-0.1

Figure WQ DO 239 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.6	10.5	10.3	9.8	9.5	9.1	9.1	8.5	9.4	9.9	9.7
CRMS0276 - Just east of Wilkinson Canal	9.3	9.3	9.2	8.5	7.5	8.5	8.2	7.5	6.8	7.9	8.8	8.9
Barataria Waterway at Lafitte (USACE82875)	10.3	10.3	9.6	8.6	7.0	6.3	6.5	6.9	7.2	8.5	9.3	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.6	9.5	10.4	10.5	10.5	10.1	8.9	8.7	9.2	9.6	9.9	9.6
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.5	8.6	7.8	7.5	7.6	7.2	8.7	9.6	9.5
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.4	9.1	9.6	9.3	8.5	7.6	7.2	7.4	7.0	8.3	9.1	8.7
USGS 07380335 - Little Lake Near Cutoff	9.0	9.1	9.1	8.6	7.4	6.5	6.3	6.1	6.2	7.4	9.2	8.5
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	10.0	9.5	8.6	8.0	8.0	7.1	7.3	8.3	8.9	8.5
HWQ14 - Lake Washington	10.2	9.6	10.5	9.2	8.1	6.9	6.3	6.2	6.7	8.1	9.3	9.2
HWQ16 - Bayou Grand Liard	8.1	8.7	9.2	8.1	7.0	6.4	5.9	6.7	5.9	7.2	8.7	8.3
CRMS 3985	10.9	10.2	10.6	9.2	8.0	6.9	6.6	6.9	6.7	8.0	9.5	9.4
CRMS 0258	10.1	9.5	10.0	10.3	10.9	10.9	9.6	9.9	9.5	10.4	9.1	9.3
CRMS 0224	9.7	9.2	9.9	9.9	9.8	9.5	8.6	8.9	8.4	9.5	9.0	8.9
CRMS 0163	10.5	10.3	9.4	8.7	7.3	6.5	6.7	8.6	7.4	8.1	9.4	9.4
CRMS 0162	9.4	8.9	8.8	8.2	7.0	6.3	6.0	6.1	6.3	7.7	8.2	9.0

V3PR9 HYST - cy 5 - 2011 (FWP)												
	monthly average DO (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.8	9.6	10.7	10.0	9.3	9.0	8.5	8.2	7.7	8.7	9.8	9.6
CRMS0276 - Just east of Wilkinson Canal	9.2	9.4	9.1	8.6	7.7	8.6	8.0	7.3	6.8	7.7	10.0	8.6
Barataria Waterway at Lafitte (USACE82875)	10.3	10.2	9.6	8.6	7.1	7.5	7.5	7.7	7.3	7.6	9.2	9.6
USGS2928590900040000 Barataria Waterway South of Lafitte	10.7	9.6	10.6	10.4	10.0	9.5	8.1	8.0	8.1	8.5	9.7	9.4
USGS7380251 Barataria Bay North of Grand Isle	10.8	9.9	10.5	9.4	8.5	7.7	7.6	7.7	7.5	8.5	9.8	9.9
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.5	9.2	9.9	9.4	8.6	7.7	7.3	7.2	7.2	7.8	9.0	8.5
USGS 07380335 - Little Lake Near Cutoff	9.0	9.1	9.1	8.8	7.6	6.7	6.7	6.3	6.5	7.5	9.0	8.3
USGS073802516 Barataria Pass at Grand Isle	9.3	9.0	10.1	9.4	8.9	8.1	8.2	7.2	7.5	8.2	9.1	8.4
HWQ14 - Lake Washington	10.3	9.7	10.8	9.2	8.3	7.3	6.8	6.8	7.5	8.4	9.4	9.5
HWQ16 - Bayou Grand Liard	8.0	8.8	8.9	8.0	7.0	6.6	6.1	7.9	6.5	7.8	9.0	8.3
CRMS 3985	10.9	10.2	9.9	9.1	8.0	7.1	6.7	7.3	7.4	8.4	9.8	9.7
CRMS 0258	10.1	9.6	10.4	10.3	11.1	10.6	9.1	9.5	9.0	9.1	9.6	9.0
CRMS 0224	9.7	9.4	10.0	9.9	9.9	9.4	8.3	8.5	8.2	8.0	9.1	8.8
CRMS 0163	10.4	10.1	9.5	8.7	7.3	6.8	7.5	8.6	7.4	8.5	9.3	9.5
CRMS 0162	9.3	9.3	8.8	8.3	7.0	6.4	6.2	6.5	8.6	8.3	8.4	8.9

Difference (FWP-FWOP)												
	monthly average DO difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.0	0.0	0.2	-0.3	-0.5	-0.6	-0.6	-0.9	-0.8	-0.7	-0.2	-0.1
CRMS0276 - Just east of Wilkinson Canal	-0.1	0.1	-0.1	0.0	0.3	0.1	-0.2	-0.2	-0.1	-0.1	1.3	-0.3
Barataria Waterway at Lafitte (USACE82875)	0.0	-0.2	0.0	0.1	0.1	1.1	1.0	0.8	0.1	-0.8	-0.1	0.0
USGS2928590900040000 Barataria Waterway South of Lafitte	0.0	0.1	0.2	-0.2	-0.6	-0.6	-0.7	-0.7	-1.1	-1.1	-0.2	-0.2
USGS7380251 Barataria Bay North of Grand Isle	0.0	0.0	0.1	0.0	-0.1	-0.1	0.1	0.1	0.2	-0.2	0.1	0.4
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.0	0.1	0.2	0.1	0.1	0.0	0.1	-0.2	0.1	-0.5	-0.1	-0.1
USGS 07380335 - Little Lake Near Cutoff	0.0	0.0	0.0	0.1	0.2	0.2	0.4	0.2	0.4	0.1	-0.2	-0.2
USGS073802516 Barataria Pass at Grand Isle	0.0	0.1	0.1	0.0	0.3	0.1	0.2	0.1	0.2	0.0	0.1	-0.1
HWQ14 - Lake Washington	0.0	0.0	0.4	0.0	0.2	0.4	0.5	0.6	0.8	0.3	0.1	0.3
HWQ16 - Bayou Grand Liard	0.0	0.1	-0.3	0.0	0.0	0.1	0.1	1.2	0.6	0.6	0.4	0.0
CRMS 3985	0.0	0.0	-0.7	0.0	0.0	0.2	0.1	0.4	0.7	0.4	0.3	0.3
CRMS 0258	0.0	0.1	0.3	0.0	0.2	-0.3	-0.5	-0.4	-0.5	-1.3	0.5	-0.3
CRMS 0224	0.0	0.1	0.1	0.0	0.1	-0.1	-0.2	-0.4	-0.2	-1.5	0.1	-0.2
CRMS 0163	-0.1	-0.2	0.1	0.0	0.0	0.2	0.7	0.0	0.0	0.3	-0.1	0.1
CRMS 0162	-0.1	0.4	0.1	0.1	0.0	0.2	0.2	0.3	2.3	0.6	0.3	-0.1

Figure WQ DO 240 - Monthly Average Dissolved Oxygen (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve

8.0 TOTAL SUSPENDED SOLIDS DATA TABLES

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.59	1.76	4.41	7.24	9.08	8.11	7.56	7.22	6.44	5.42	3.08	3.58
CRMS0276 - Just east of Wilkinson Canal	17.33	12.99	19.37	34.79	57.81	41.17	15.54	9.85	12.22	12.87	15.69	12.41
Barataria Waterway at Lafitte (USACE82875)	46.06	22.79	32.88	56.18	84.23	63.43	37.28	29.06	29.91	38.07	30.22	23.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.57	1.21	3.14	6.15	8.54	7.06	5.28	5.37	5.22	4.68	2.14	2.57
USGS7380251 Barataria Bay North of Grand Isle	7.10	3.67	5.43	9.03	7.89	7.29	10.28	7.94	7.59	7.56	5.26	4.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.05	3.54	6.76	9.96	10.31	7.37	7.28	7.21	6.23	5.45	4.47	2.97
USGS 07380335 - Little Lake Near Cutoff	7.02	4.87	8.90	13.76	16.04	9.33	6.39	5.88	4.79	5.44	5.69	4.05
USGS073802516 Barataria Pass at Grand Isle	5.50	4.07	8.23	12.20	15.88	11.78	8.70	8.90	6.12	6.94	5.43	3.81
HWQ14 - Lake Washington	5.56	3.03	6.15	8.46	6.81	5.59	6.93	5.36	4.86	5.03	4.01	2.83
HWQ16 - Bayou Grand Liard	17.51	9.91	16.63	22.60	37.17	27.28	12.56	11.48	7.54	9.22	12.17	10.10
CRMS 3985	13.20	6.49	7.11	9.20	5.89	6.93	12.56	7.06	6.75	8.01	7.59	6.45
CRMS 0258	7.96	7.19	12.77	20.02	29.32	27.62	12.73	7.56	6.61	7.64	2.91	1.01
CRMS 0224	2.76	2.59	5.89	9.50	13.02	11.16	7.67	7.81	7.39	6.84	3.22	2.07
CRMS 0163	46.22	22.57	27.93	40.32	58.36	50.85	36.86	33.72	34.34	37.50	25.62	18.88
CRMS 0162	82.33	48.84	63.14	83.32	121.85	78.69	49.95	40.70	34.11	49.83	44.59	38.19

V3PR2 HYST - cy 0 - 1970 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	90.78	66.32	94.03	120.32	164.25	99.18	48.41	41.80	36.69	47.15	45.51	38.83
CRMS0276 - Just east of Wilkinson Canal	20.02	11.65	19.20	33.82	52.08	37.88	17.68	11.37	12.09	12.65	15.17	11.18
Barataria Waterway at Lafitte (USACE82875)	44.84	22.10	32.00	55.26	83.60	62.29	37.01	28.85	29.82	37.95	30.18	23.29
USGS2928590900040000 Barataria Waterway South of Lafitte	62.90	44.28	70.87	89.02	128.24	78.09	41.78	33.76	26.75	32.07	17.66	15.62
USGS7380251 Barataria Bay North of Grand Isle	14.75	9.44	21.72	38.33	57.16	30.89	14.01	10.55	7.96	8.37	6.24	4.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.59	16.78	32.71	46.92	72.61	48.87	19.19	10.55	10.12	10.30	6.75	4.68
USGS 07380335 - Little Lake Near Cutoff	19.87	12.59	26.88	39.88	60.27	41.70	17.30	7.87	6.45	7.49	6.63	4.71
USGS073802516 Barataria Pass at Grand Isle	11.39	6.39	16.11	24.35	32.98	22.93	14.86	10.31	7.23	8.34	5.97	4.09
HWQ14 - Lake Washington	7.54	4.05	9.23	16.11	19.55	13.30	7.30	4.85	4.13	4.67	3.67	2.76
HWQ16 - Bayou Grand Liard	17.27	9.86	17.96	25.46	39.79	30.10	14.56	10.38	7.44	8.39	11.49	9.23
CRMS 3985	12.20	6.07	6.59	13.09	19.11	12.07	4.80	3.36	4.13	4.91	4.82	6.04
CRMS 0258	18.85	9.98	17.86	30.17	48.73	35.61	15.97	9.21	6.79	9.22	3.59	3.49
CRMS 0224	19.54	9.13	17.56	30.52	47.70	33.78	19.45	13.92	11.11	10.99	5.42	5.89
CRMS 0163	45.80	22.25	27.56	40.07	58.72	51.17	36.94	33.76	34.65	37.70	25.64	18.75
CRMS 0162	81.70	48.30	62.01	82.11	120.31	78.14	50.17	41.34	34.19	49.92	44.63	38.05

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	87.20	64.56	89.62	113.08	155.17	91.06	40.85	34.58	30.25	41.72	42.43	35.24
CRMS0276 - Just east of Wilkinson Canal	2.69	-1.34	-0.17	-0.97	-5.73	-3.30	2.14	1.52	-0.13	-0.22	-0.51	-1.23
Barataria Waterway at Lafitte (USACE82875)	-1.22	-0.70	-0.88	-0.92	-0.62	-1.14	-0.28	-0.21	-0.10	-0.12	-0.04	-0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	61.32	43.07	67.72	82.87	119.70	71.03	36.50	28.39	21.53	27.39	15.52	13.05
USGS7380251 Barataria Bay North of Grand Isle	7.65	5.77	16.29	29.30	49.27	23.60	3.72	2.61	0.37	0.81	0.97	0.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	19.53	13.24	25.95	36.96	62.30	41.50	11.91	3.34	3.89	4.85	2.28	1.71
USGS 07380335 - Little Lake Near Cutoff	12.85	7.72	17.99	26.13	44.22	32.37	10.91	1.99	1.66	2.06	0.94	0.67
USGS073802516 Barataria Pass at Grand Isle	5.89	2.32	7.88	12.16	17.10	11.14	6.16	1.41	1.11	1.40	0.54	0.29
HWQ14 - Lake Washington	1.99	1.02	3.08	7.65	12.74	7.71	0.38	-0.51	-0.73	-0.36	-0.35	-0.07
HWQ16 - Bayou Grand Liard	-0.24	-0.04	1.33	2.86	2.61	2.82	2.00	-1.10	-0.09	-0.83	-0.68	-0.87
CRMS 3985	-1.00	-0.42	-0.52	3.89	13.22	5.14	-7.76	-3.71	-2.63	-3.10	-2.77	-0.41
CRMS 0258	10.89	2.80	5.09	10.15	19.41	7.99	3.23	1.65	0.18	1.58	0.68	2.48
CRMS 0224	16.77	6.54	11.67	21.02	34.67	22.62	11.78	6.11	3.72	4.16	2.19	3.83
CRMS 0163	-0.43	-0.32	-0.37	-0.25	0.37	0.32	0.08	0.04	0.30	0.20	0.02	-0.13
CRMS 0162	-0.62	-0.54	-1.13	-1.21	-1.54	-0.55	0.22	0.64	0.08	0.09	0.05	-0.14

Figure WQ TSS 1 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.04	3.04	5.83	8.43	10.29	7.90	7.08	6.78	6.02	5.15	2.53	3.87
CRMS0276 - Just east of Wilkinson Canal	30.20	31.25	43.61	58.07	72.77	42.07	15.92	13.24	13.63	10.20	12.73	15.05
Barataria Waterway at Lafitte (USACE82875)	46.20	57.71	75.30	83.61	101.92	57.76	40.40	37.44	31.92	30.29	25.26	34.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.80	4.01	7.92	9.90	6.90	4.68	4.27	4.34	4.10	1.81	2.50
USGS7380251 Barataria Bay North of Grand Isle	8.19	5.40	6.57	8.62	8.21	6.84	5.89	6.75	7.38	6.71	4.60	4.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.56	4.79	10.60	13.54	12.39	8.18	6.87	7.19	6.27	5.53	4.17	3.01
USGS 07380335 - Little Lake Near Cutoff	11.84	7.69	16.82	21.49	20.67	11.06	7.77	6.54	4.97	5.61	5.72	4.14
USGS073802516 Barataria Pass at Grand Isle	8.83	6.14	13.83	18.81	20.88	13.87	9.75	9.33	6.02	6.93	4.88	3.95
HWQ14 - Lake Washington	7.16	3.76	7.11	8.02	7.04	5.60	4.17	3.95	4.37	4.94	3.54	2.87
HWQ16 - Bayou Grand Liard	28.40	23.37	41.45	44.05	53.64	29.02	12.06	12.26	7.53	8.88	10.51	11.76
CRMS 3985	13.81	9.97	6.66	6.39	5.41	4.44	3.47	5.94	7.49	6.35	6.64	7.67
CRMS 0258	9.91	15.17	20.85	26.37	33.88	21.05	11.65	6.72	5.89	5.74	1.15	8.67
CRMS 0224	4.29	3.65	9.09	14.50	16.16	11.10	6.78	6.45	6.41	6.37	2.25	1.48
CRMS 0163	42.19	54.16	64.54	66.08	76.61	46.56	41.60	39.17	37.27	30.06	20.85	29.74
CRMS 0162	71.89	112.93	142.48	133.12	153.24	65.40	57.28	48.19	38.60	32.27	34.90	63.13

V3PR2 HYST - cy 0 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.47	0.08	0.12	0.15	0.21	0.81	1.29	0.97	0.97	0.86	0.56	0.22
CRMS0276 - Just east of Wilkinson Canal	9.28	23.73	34.65	51.97	60.70	37.43	14.95	13.98	14.11	9.97	12.54	12.75
Barataria Waterway at Lafitte (USACE82875)	26.98	56.00	73.79	82.14	100.30	54.91	38.11	35.18	30.36	28.54	24.21	32.70
USGS2928590900040000 Barataria Waterway South of Lafitte	0.16	0.03	0.03	0.11	0.08	0.48	0.62	0.66	0.96	0.87	0.61	0.31
USGS7380251 Barataria Bay North of Grand Isle	3.30	2.33	2.79	4.57	4.35	5.43	5.52	5.34	5.12	5.14	3.44	3.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.39	0.58	0.99	1.42	1.25	2.59	3.49	4.70	4.34	4.18	3.60	1.80
USGS 07380335 - Little Lake Near Cutoff	2.11	1.13	2.30	3.16	2.42	3.93	5.58	8.16	6.15	6.00	5.53	3.11
USGS073802516 Barataria Pass at Grand Isle	1.92	1.82	4.71	4.64	4.15	5.57	5.53	7.08	5.46	5.24	4.42	3.26
HWQ14 - Lake Washington	2.57	2.24	3.87	5.37	4.45	3.99	3.77	3.67	2.98	4.01	2.74	2.34
HWQ16 - Bayou Grand Liard	9.64	14.66	24.51	25.89	26.83	20.68	11.97	12.41	8.15	9.48	11.30	10.24
CRMS 3985	7.33	5.44	4.00	8.38	6.58	5.06	3.58	3.09	4.59	4.27	4.42	6.98
CRMS 0258	5.44	8.85	10.28	14.63	17.23	17.43	16.18	6.97	5.29	6.33	2.95	4.29
CRMS 0224	0.64	0.62	1.38	3.21	3.90	3.42	2.45	2.83	4.57	4.33	2.78	2.63
CRMS 0163	31.24	55.86	66.99	68.95	80.21	46.87	41.28	39.36	38.51	32.66	22.44	30.89
CRMS 0162	61.71	118.74	149.63	140.45	161.52	68.07	59.05	50.07	39.83	32.98	36.51	66.85

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.57	-2.96	-5.71	-8.28	-10.08	-7.09	-5.79	-5.81	-5.04	-4.29	-1.97	-3.66
CRMS0276 - Just east of Wilkinson Canal	-20.92	-7.52	-8.96	-6.09	-12.06	-4.64	-0.97	0.74	0.48	-0.23	-0.19	-2.30
Barataria Waterway at Lafitte (USACE82875)	-19.22	-1.70	-1.51	-1.47	-1.63	-2.85	-2.30	-2.26	-1.56	-1.75	-1.06	-1.55
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.71	-1.78	-3.98	-7.81	-9.81	-6.41	-4.06	-3.62	-3.39	-3.23	-1.21	-2.18
USGS7380251 Barataria Bay North of Grand Isle	-4.90	-3.07	-3.78	-4.05	-3.86	-1.40	-0.37	-1.41	-2.27	-1.58	-1.17	-1.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	-6.17	-4.21	-9.61	-12.12	-11.13	-5.59	-3.38	-2.49	-1.92	-1.35	-0.57	-1.21
USGS 07380335 - Little Lake Near Cutoff	-9.73	-6.56	-14.53	-18.33	-18.25	-7.13	-2.19	1.62	1.19	0.39	-0.19	-1.03
USGS073802516 Barataria Pass at Grand Isle	-6.90	-4.32	-9.11	-14.17	-16.73	-8.29	-4.22	-2.26	-0.55	-1.69	-0.46	-0.70
HWQ14 - Lake Washington	-4.59	-1.53	-3.23	-2.65	-2.59	-1.61	-0.40	-0.28	-1.39	-0.93	-0.80	-0.53
HWQ16 - Bayou Grand Liard	-18.75	-8.71	-16.94	-18.16	-26.81	-8.35	-0.09	0.15	0.63	0.61	0.78	-1.53
CRMS 3985	-6.48	-4.53	-2.65	2.00	1.17	0.62	0.11	-2.86	-2.90	-2.08	-2.23	-0.69
CRMS 0258	-4.47	-6.32	-10.57	-11.74	-16.65	-3.62	4.53	0.25	-0.60	0.59	1.80	-4.38
CRMS 0224	-3.65	-3.03	-7.71	-11.30	-12.26	-7.68	-4.33	-3.62	-1.84	-2.04	0.53	1.14
CRMS 0163	-10.95	1.70	2.45	2.87	3.60	0.30	-0.32	0.20	1.24	2.61	1.59	1.15
CRMS 0162	-10.18	5.81	7.15	7.33	8.28	2.67	1.77	1.89	1.23	0.71	1.60	3.72

Figure WQ TSS 2 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	2.36	3.47	5.94	8.02	6.64	6.66	7.00	6.20	5.32	3.85	3.57
CRMS0276 - Just east of Wilkinson Canal	15.48	18.32	15.19	29.48	33.35	22.90	9.23	7.87	8.47	10.75	16.16	13.93
Barataria Waterway at Lafitte (USACE82875)	37.72	33.52	25.28	45.61	55.61	41.85	27.16	25.87	26.06	34.46	31.64	29.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	1.71	2.92	5.74	7.28	6.57	6.18	7.10	6.13	4.89	2.61	2.96
USGS7380251 Barataria Bay North of Grand Isle	6.24	4.21	5.10	8.73	8.95	7.04	8.41	7.69	7.39	7.87	5.35	4.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.39	3.42	6.32	9.17	8.65	6.87	6.51	6.53	5.67	5.24	4.38	3.16
USGS 07380335 - Little Lake Near Cutoff	7.28	5.14	8.09	12.07	10.70	7.63	5.46	4.97	4.35	4.79	5.70	4.40
USGS073802516 Barataria Pass at Grand Isle	5.90	4.25	7.72	11.02	10.94	9.32	7.64	7.80	5.30	6.42	5.23	4.10
HWQ14 - Lake Washington	5.79	2.96	5.92	8.77	8.13	6.05	6.00	4.85	4.42	5.45	3.98	2.99
HWQ16 - Bayou Grand Liard	14.81	14.08	13.02	18.77	17.35	13.51	7.73	11.29	7.15	8.75	12.70	11.46
CRMS 3985	10.84	7.57	6.74	10.12	10.11	6.62	8.80	6.66	6.46	8.22	7.73	7.36
CRMS 0258	2.48	9.49	6.10	13.84	20.35	7.80	6.36	6.70	6.01	5.01	6.69	6.66
CRMS 0224	3.06	2.81	5.62	8.75	9.47	8.59	7.16	7.71	6.80	6.17	3.12	2.66
CRMS 0163	40.74	31.39	21.79	30.17	40.20	38.44	30.79	30.35	31.82	34.30	27.64	24.55
CRMS 0162	55.45	63.92	48.18	54.39	64.45	46.40	38.25	36.18	29.05	42.65	49.64	50.89

V3PR2 HYST - cy 0 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.40	80.31	67.93	60.38	82.15	47.47	38.26	36.23	32.85	41.21	49.12	47.87
CRMS0276 - Just east of Wilkinson Canal	15.27	17.47	15.59	30.11	31.82	22.88	10.17	8.28	8.41	10.51	15.35	13.25
Barataria Waterway at Lafitte (USACE82875)	37.44	32.68	25.02	45.51	54.88	41.77	27.10	26.07	26.14	34.29	31.71	29.59
USGS2928590900040000 Barataria Waterway South of Lafitte	29.01	55.16	40.09	33.38	57.86	31.05	34.60	31.62	24.89	29.67	18.79	19.68
USGS7380251 Barataria Bay North of Grand Isle	8.51	14.88	11.53	17.84	25.91	10.34	8.67	8.83	7.47	7.95	6.44	5.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.35	24.32	17.37	21.85	34.68	12.75	9.46	9.17	9.11	9.59	6.83	5.42
USGS 07380335 - Little Lake Near Cutoff	8.50	19.31	16.31	22.44	29.39	12.05	7.84	6.24	5.65	6.97	6.63	5.32
USGS073802516 Barataria Pass at Grand Isle	6.67	11.00	12.09	16.83	17.77	11.90	8.71	8.52	6.30	7.70	5.90	4.54
HWQ14 - Lake Washington	6.16	5.45	7.64	12.43	10.68	7.04	4.74	4.15	3.86	4.79	3.76	2.99
HWQ16 - Bayou Grand Liard	14.65	14.56	13.77	20.44	19.58	14.40	7.91	10.63	6.65	8.37	11.81	10.73
CRMS 3985	10.75	6.64	4.86	9.58	9.76	4.93	3.17	3.16	4.57	4.95	5.31	6.96
CRMS 0258	4.50	14.23	8.20	17.02	27.67	9.68	8.81	9.13	6.88	7.01	7.56	7.72
CRMS 0224	6.58	13.74	12.30	17.39	25.71	13.36	11.90	12.17	9.70	9.77	5.34	6.22
CRMS 0163	40.61	30.88	21.99	30.12	40.44	38.76	30.83	30.32	31.83	34.01	27.58	24.49
CRMS 0162	55.08	63.14	47.54	54.12	63.73	46.79	38.35	36.32	29.08	42.40	49.41	50.72

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	55.34	77.95	64.45	54.45	74.13	40.82	31.59	29.23	26.65	35.90	45.27	44.30
CRMS0276 - Just east of Wilkinson Canal	-0.21	-0.85	0.40	0.63	-1.53	-0.03	0.95	0.41	-0.06	-0.24	-0.80	-0.68
Barataria Waterway at Lafitte (USACE82875)	-0.28	-0.84	-0.25	-0.10	-0.73	-0.08	-0.05	0.20	0.08	-0.16	0.06	-0.23
USGS2928590900040000 Barataria Waterway South of Lafitte	27.58	53.45	37.17	27.64	50.58	24.47	28.41	24.53	18.76	24.78	16.18	16.72
USGS7380251 Barataria Bay North of Grand Isle	2.28	10.67	6.43	9.11	16.95	3.30	0.27	1.13	0.08	0.07	1.09	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	2.95	20.90	11.05	12.69	26.03	5.88	2.95	2.64	3.45	4.35	2.45	2.26
USGS 07380335 - Little Lake Near Cutoff	1.22	14.17	8.22	10.37	18.69	4.42	2.38	1.27	1.30	2.19	0.93	0.92
USGS073802516 Barataria Pass at Grand Isle	0.77	6.75	4.37	5.81	6.82	2.59	1.07	0.72	1.00	1.27	0.66	0.43
HWQ14 - Lake Washington	0.37	2.49	1.72	3.66	2.55	0.99	-1.25	-0.70	-0.56	-0.66	-0.22	0.00
HWQ16 - Bayou Grand Liard	-0.16	0.47	0.74	1.66	2.23	0.90	0.17	-0.66	-0.50	-0.38	-0.88	-0.73
CRMS 3985	-0.09	-0.94	-1.87	-0.53	-0.35	-1.69	-5.64	-3.50	-1.88	-3.27	-2.42	-0.40
CRMS 0258	2.02	4.74	2.10	3.18	7.31	1.88	2.46	2.43	0.87	2.00	0.87	1.06
CRMS 0224	3.53	10.93	6.68	8.64	16.23	4.77	4.74	4.46	2.90	3.60	2.22	3.56
CRMS 0163	-0.13	-0.50	0.20	-0.05	0.24	0.33	0.04	-0.03	0.01	-0.30	-0.06	-0.07
CRMS 0162	-0.38	-0.78	-0.64	-0.27	-0.72	0.40	0.10	0.14	0.03	-0.25	-0.23	-0.17

Figure WQ TSS 3 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.93	3.28	5.05	7.91	8.97	8.03	9.17	9.57	6.76	5.53	2.62	3.17
CRMS0276 - Just east of Wilkinson Canal	20.44	40.24	34.14	49.36	49.93	50.14	21.99	22.25	24.57	14.47	12.89	13.33
Barataria Waterway at Lafitte (USACE82875)	52.41	72.26	50.36	73.18	73.17	76.73	58.17	51.04	39.25	37.33	22.88	23.28
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	2.00	3.75	7.00	8.20	6.52	4.84	4.82	5.39	4.73	1.84	2.34
USGS7380251 Barataria Bay North of Grand Isle	7.16	5.87	5.69	8.26	7.49	7.31	11.64	8.54	7.62	6.23	3.97	3.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.23	5.46	9.29	11.59	10.31	7.54	7.81	8.99	7.40	6.27	4.08	2.55
USGS 07380335 - Little Lake Near Cutoff	7.83	9.52	14.51	17.95	15.26	10.01	7.05	10.56	7.60	7.54	5.61	3.91
USGS073802516 Barataria Pass at Grand Isle	5.94	7.43	12.14	15.35	15.12	12.45	9.34	12.88	8.11	8.29	4.98	3.44
HWQ14 - Lake Washington	5.45	3.93	6.59	7.40	6.53	5.39	7.50	5.87	4.52	4.56	3.08	2.34
HWQ16 - Bayou Grand Liard	20.79	32.18	31.68	34.56	30.67	32.51	20.13	19.00	13.22	9.00	10.62	10.77
CRMS 3985	12.90	10.80	5.51	6.35	4.97	6.98	16.46	5.80	7.38	5.57	5.22	6.20
CRMS 0258	10.65	16.93	15.83	23.30	27.39	29.55	26.36	24.44	10.74	7.15	1.50	2.59
CRMS 0224	2.74	4.40	8.18	12.03	11.82	10.23	6.82	7.44	8.54	7.91	2.65	1.13
CRMS 0163	52.94	67.71	41.51	54.41	52.73	60.33	55.83	49.81	43.31	35.83	17.66	19.36
CRMS 0162	97.59	136.98	90.88	109.93	104.98	102.40	90.66	70.20	51.02	44.40	28.08	40.78

V3PR2 HYST - cy 0 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.14	182.56	128.95	150.27	143.93	131.62	111.67	76.98	51.03	43.48	32.34	41.50
CRMS0276 - Just east of Wilkinson Canal	24.16	35.42	30.76	46.72	44.66	44.78	26.53	24.89	24.51	14.16	12.64	12.23
Barataria Waterway at Lafitte (USACE82875)	50.98	70.98	49.07	72.49	72.05	75.75	57.02	49.94	39.29	37.12	22.71	23.08
USGS2928590900040000 Barataria Waterway South of Lafitte	104.03	144.35	99.77	115.41	110.67	104.80	90.31	56.16	32.04	31.31	13.47	17.13
USGS7380251 Barataria Bay North of Grand Isle	27.87	46.80	32.85	48.31	50.67	40.69	33.36	25.79	10.65	8.95	5.23	4.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	44.28	76.37	50.17	64.11	61.03	62.79	52.96	35.86	13.30	11.37	5.91	4.23
USGS 07380335 - Little Lake Near Cutoff	33.12	58.77	42.01	54.61	50.15	52.11	42.81	29.47	10.91	9.21	5.97	4.04
USGS073802516 Barataria Pass at Grand Isle	18.42	29.57	23.21	33.84	28.45	26.87	23.48	22.35	11.13	9.65	5.47	3.51
HWQ14 - Lake Washington	9.92	14.68	11.61	21.48	16.78	15.47	10.22	8.37	5.31	5.20	3.25	2.34
HWQ16 - Bayou Grand Liard	21.54	33.79	31.76	38.24	33.33	36.72	24.18	20.58	14.36	8.73	10.04	9.01
CRMS 3985	10.08	11.07	8.54	16.74	16.62	15.42	9.76	7.15	4.34	3.46	3.66	5.87
CRMS 0258	28.01	36.76	25.45	38.04	42.58	44.54	43.41	32.61	11.70	8.51	2.36	4.66
CRMS 0224	30.07	38.83	26.23	39.45	39.82	42.38	40.50	28.04	12.82	11.80	4.52	5.34
CRMS 0163	52.06	66.27	40.74	53.44	52.24	59.73	55.13	49.65	43.46	35.99	17.69	19.30
CRMS 0162	96.32	135.56	89.21	108.37	103.36	101.33	89.69	69.79	50.86	44.31	28.10	40.55

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	126.21	179.29	123.90	142.36	134.96	123.60	102.50	67.41	44.27	37.95	29.71	38.33
CRMS0276 - Just east of Wilkinson Canal	3.72	-4.82	-3.39	-2.64	-5.27	-5.36	4.54	2.64	-0.06	-0.31	-0.25	-1.10
Barataria Waterway at Lafitte (USACE82875)	-1.42	-1.28	-1.29	-0.69	-1.11	-0.98	-1.14	-1.10	0.05	-0.21	-0.17	-0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	102.60	142.35	96.01	108.41	102.47	98.28	85.47	51.34	26.65	26.58	11.62	14.79
USGS7380251 Barataria Bay North of Grand Isle	20.71	40.94	27.16	40.04	43.18	33.39	21.73	17.25	3.03	2.71	1.27	0.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	39.05	70.91	40.88	52.52	50.72	55.26	45.15	26.87	5.91	5.10	1.83	1.67
USGS 07380335 - Little Lake Near Cutoff	25.28	49.26	27.50	36.66	34.88	42.10	35.76	18.91	3.30	1.68	0.36	0.12
USGS073802516 Barataria Pass at Grand Isle	12.48	22.14	11.07	18.49	13.32	14.42	14.13	9.47	3.02	1.35	0.48	0.07
HWQ14 - Lake Washington	4.47	10.75	5.02	14.08	10.25	10.08	2.72	2.49	0.79	0.65	0.17	0.01
HWQ16 - Bayou Grand Liard	0.75	1.61	0.09	3.68	2.67	4.21	4.05	1.58	1.14	-0.27	-0.58	-1.76
CRMS 3985	-2.83	0.28	3.04	10.39	11.66	8.45	-6.70	1.34	-3.04	-2.11	-1.56	-0.32
CRMS 0258	17.37	19.83	9.62	14.74	15.19	14.99	17.05	8.17	0.96	1.35	0.86	2.07
CRMS 0224	27.34	34.43	18.05	27.42	28.00	32.14	33.68	20.60	4.28	3.90	1.87	4.22
CRMS 0163	-0.88	-1.44	-0.77	-0.96	-0.49	-0.60	-0.70	-0.16	0.14	0.16	0.03	-0.06
CRMS 0162	-1.27	-1.42	-1.67	-1.56	-1.62	-1.08	-0.97	-0.41	-0.16	-0.08	0.01	-0.23

Figure WQ TSS 4 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.89	1.01	4.59	8.01	10.04	8.44	8.91	9.18	6.37	5.52	2.55	4.28
CRMS0276 - Just east of Wilkinson Canal	33.23	9.73	25.68	54.25	76.35	70.18	28.84	20.58	21.48	12.57	11.84	24.40
Barataria Waterway at Lafitte (USACE82875)	47.78	16.09	49.11	76.64	108.68	100.34	61.16	46.02	36.73	34.00	22.72	50.98
USGS2928590900040000 Barataria Waterway South of Lafitte	1.79	0.72	2.96	7.38	9.52	7.42	4.92	4.59	4.78	4.51	1.74	3.03
USGS7380251 Barataria Bay North of Grand Isle	7.79	3.17	6.07	9.11	8.27	7.48	7.25	7.02	7.44	7.13	4.23	5.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.73	3.51	7.40	13.11	12.12	9.09	7.79	8.64	6.67	6.02	4.16	3.26
USGS 07380335 - Little Lake Near Cutoff	14.73	4.69	10.13	20.32	20.24	14.02	10.51	10.30	6.53	6.57	5.68	5.10
USGS073802516 Barataria Pass at Grand Isle	10.26	3.97	9.20	17.40	19.88	17.90	12.96	12.59	6.77	7.65	4.81	4.62
HWQ14 - Lake Washington	7.08	2.85	6.29	8.63	7.04	5.77	4.40	4.26	4.23	5.14	3.42	2.83
HWQ16 - Bayou Grand Liard	34.08	8.13	23.95	40.07	53.33	54.19	28.88	17.84	11.21	8.53	10.00	18.10
CRMS 3985	12.82	5.55	9.51	7.70	5.61	5.20	3.43	3.19	7.80	7.12	5.63	9.34
CRMS 0258	4.45	0.82	15.69	24.40	34.72	36.25	27.13	21.06	7.03	6.78	1.91	13.14
CRMS 0224	5.02	2.05	5.97	13.47	15.47	13.29	7.98	7.50	7.84	7.36	2.29	2.00
CRMS 0163	41.53	16.32	45.17	58.10	87.23	81.82	56.94	45.91	41.84	32.99	17.95	47.73
CRMS 0162	59.00	33.05	104.74	116.06	175.44	155.12	94.72	61.65	47.06	37.40	30.31	104.15

V3PR2 HYST - cy 0 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.34	36.11	150.51	162.79	234.36	196.19	114.60	60.13	47.82	36.89	37.04	143.35
CRMS0276 - Just east of Wilkinson Canal	34.44	9.16	22.11	51.23	69.15	60.29	30.56	22.41	21.85	12.25	11.42	20.43
Barataria Waterway at Lafitte (USACE82875)	47.36	15.96	47.93	75.77	107.87	99.68	59.68	45.48	36.87	33.87	22.78	49.76
USGS2928590900040000 Barataria Waterway South of Lafitte	33.75	13.10	115.57	123.64	181.59	157.36	92.63	42.96	30.66	29.23	16.64	112.63
USGS7380251 Barataria Bay North of Grand Isle	12.55	3.80	36.53	53.14	78.04	61.01	34.96	16.10	9.66	8.43	5.79	33.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.13	4.61	56.19	68.21	100.10	93.88	54.91	19.24	12.20	10.66	5.75	54.82
USGS 07380335 - Little Lake Near Cutoff	29.44	5.08	44.33	57.47	79.76	77.24	44.64	17.84	9.66	8.55	5.73	40.65
USGS073802516 Barataria Pass at Grand Isle	20.29	4.10	21.43	35.16	40.57	36.18	25.47	18.43	10.09	9.06	5.21	19.41
HWQ14 - Lake Washington	9.68	2.78	10.83	22.93	24.02	20.76	11.95	7.13	4.85	4.80	3.23	7.78
HWQ16 - Bayou Grand Liard	37.18	7.86	22.97	42.54	52.78	53.75	29.41	18.51	12.43	8.38	9.80	19.17
CRMS 3985	8.99	5.36	10.71	19.05	25.27	23.29	11.18	4.99	3.88	4.29	3.94	8.73
CRMS 0258	12.33	1.31	28.61	39.78	60.65	62.15	44.84	24.03	7.85	8.12	2.79	27.37
CRMS 0224	20.14	2.99	25.87	41.37	58.97	58.87	41.95	18.03	11.43	11.17	4.11	26.56
CRMS 0163	41.34	16.22	43.63	56.47	86.45	80.93	56.11	45.78	41.75	32.86	17.92	46.72
CRMS 0162	58.17	32.82	103.04	114.45	174.14	153.72	93.44	61.33	46.89	37.16	30.10	102.71

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	51.45	35.10	145.93	154.78	224.31	187.76	105.69	50.95	41.45	31.37	34.49	139.07
CRMS0276 - Just east of Wilkinson Canal	1.21	-0.57	-3.57	-3.02	-7.20	-9.89	1.72	1.83	0.37	-0.32	-0.42	-3.97
Barataria Waterway at Lafitte (USACE82875)	-0.42	-0.13	-1.18	-0.87	-0.81	-0.66	-1.48	-0.55	0.14	-0.13	0.06	-1.22
USGS2928590900040000 Barataria Waterway South of Lafitte	31.96	12.39	112.61	116.26	172.07	149.94	87.71	38.37	25.88	24.72	14.90	109.60
USGS7380251 Barataria Bay North of Grand Isle	4.76	0.63	30.46	44.02	69.77	53.52	27.71	9.08	2.21	1.29	1.56	28.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.39	1.09	48.78	55.10	87.97	84.79	47.12	10.60	5.53	4.65	1.59	51.55
USGS 07380335 - Little Lake Near Cutoff	14.71	0.40	34.20	37.15	59.52	63.22	34.13	7.54	3.12	1.98	0.05	35.55
USGS073802516 Barataria Pass at Grand Isle	10.03	0.13	12.23	17.76	20.69	18.29	12.51	5.84	3.32	1.41	0.41	14.78
HWQ14 - Lake Washington	2.60	-0.07	4.55	14.30	16.98	15.00	7.55	2.87	0.62	-0.34	-0.19	4.94
HWQ16 - Bayou Grand Liard	3.10	-0.27	-0.97	2.48	-0.56	-0.45	0.54	0.67	1.22	-0.16	-0.21	1.07
CRMS 3985	-3.83	-0.19	1.20	11.35	19.66	18.08	7.76	1.81	-3.92	-2.82	-1.69	-0.60
CRMS 0258	7.88	0.49	12.92	15.39	25.93	25.91	17.70	2.97	0.82	1.34	0.88	14.23
CRMS 0224	15.12	0.94	19.90	27.89	43.51	45.58	33.97	10.53	3.59	3.82	1.81	24.57
CRMS 0163	-0.19	-0.10	-1.54	-1.63	-0.79	-0.90	-0.83	-0.13	-0.09	-0.13	-0.03	-1.01
CRMS 0162	-0.82	-0.24	-1.70	-1.61	-1.30	-1.39	-1.28	-0.32	-0.17	-0.24	-0.21	-1.44

Figure WQ TSS 5 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.59	1.76	4.41	7.24	9.08	8.11	7.56	7.22	6.44	5.42	3.08	3.58
CRMS0276 - Just east of Wilkinson Canal	17.33	12.99	19.37	34.79	57.81	41.17	15.54	9.85	12.22	12.87	15.69	12.41
Barataria Waterway at Lafitte (USACE82875)	46.06	22.79	32.88	56.18	84.23	63.43	37.28	29.06	29.91	38.07	30.22	23.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.57	1.21	3.14	6.15	8.54	7.06	5.28	5.37	5.22	4.68	2.14	2.57
USGS7380251 Barataria Bay North of Grand Isle	7.10	3.67	5.43	9.03	7.89	7.29	10.28	7.94	7.59	7.56	5.26	4.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.05	3.54	6.76	9.96	10.31	7.37	7.28	7.21	6.23	5.45	4.47	2.97
USGS 07380335 - Little Lake Near Cutoff	7.02	4.87	8.90	13.76	16.04	9.33	6.39	5.88	4.79	5.44	5.69	4.05
USGS073802516 Barataria Pass at Grand Isle	5.50	4.07	8.23	12.20	15.88	11.78	8.70	8.90	6.12	6.94	5.43	3.81
HWQ14 - Lake Washington	5.56	3.03	6.15	8.46	6.81	5.59	6.93	5.36	4.86	5.03	4.01	2.83
HWQ16 - Bayou Grand Liard	17.51	9.91	16.63	22.60	37.17	27.28	12.56	11.48	7.54	9.22	12.17	10.10
CRMS 3985	13.20	6.49	7.11	9.20	5.89	6.93	12.56	7.06	6.75	8.01	7.59	6.45
CRMS 0258	7.96	7.19	12.77	20.02	29.32	27.62	12.73	7.56	6.61	7.64	2.91	1.01
CRMS 0224	2.76	2.59	5.89	9.50	13.02	11.16	7.67	7.81	7.39	6.84	3.22	2.07
CRMS 0163	46.22	22.57	27.93	40.32	58.36	50.85	36.86	33.72	34.34	37.50	25.62	18.88
CRMS 0162	82.33	48.84	63.14	83.32	121.85	78.69	49.95	40.70	34.11	49.83	44.59	38.19

V3PR3 HYST - cy 0 - 1970 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	90.88	66.34	93.96	120.24	164.19	99.15	48.42	41.66	36.43	47.08	45.51	38.91
CRMS0276 - Just east of Wilkinson Canal	19.82	11.72	19.32	33.78	51.94	37.84	17.67	11.37	12.10	12.60	14.93	11.17
Barataria Waterway at Lafitte (USACE82875)	44.81	22.11	32.00	55.43	83.61	62.30	37.04	28.93	29.74	37.90	30.19	23.25
USGS2928590900040000 Barataria Waterway South of Lafitte	58.70	40.60	65.75	82.52	119.01	73.41	39.63	31.58	24.12	29.77	16.11	13.42
USGS7380251 Barataria Bay North of Grand Isle	14.95	9.61	22.25	38.52	58.40	31.63	14.10	10.56	7.99	8.46	6.26	4.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.91	16.98	33.01	47.34	73.23	49.16	19.31	10.58	10.11	10.40	6.79	4.71
USGS 07380335 - Little Lake Near Cutoff	20.01	12.70	26.95	39.91	60.50	41.79	17.26	7.87	6.40	7.52	6.67	4.70
USGS073802516 Barataria Pass at Grand Isle	11.43	6.40	16.19	24.45	32.97	22.95	14.83	10.24	7.05	8.35	6.00	4.07
HWQ14 - Lake Washington	7.53	4.06	9.26	16.17	19.34	13.55	7.31	4.84	4.12	4.73	3.72	2.75
HWQ16 - Bayou Grand Liard	17.09	9.89	18.05	25.34	39.70	30.07	14.67	10.33	7.32	8.37	11.46	9.29
CRMS 3985	12.07	6.07	6.71	13.18	19.85	12.42	4.88	3.39	4.50	5.04	4.85	6.05
CRMS 0258	18.34	9.81	17.45	29.69	47.84	34.87	15.81	9.16	6.75	9.15	3.55	3.53
CRMS 0224	19.36	9.03	17.38	30.29	46.73	33.32	19.39	13.92	11.15	10.99	5.40	5.92
CRMS 0163	45.78	22.26	27.72	40.31	58.45	50.93	36.88	33.84	34.42	37.76	25.58	18.84
CRMS 0162	81.68	48.26	62.07	82.02	120.30	77.95	50.04	41.14	34.20	49.92	44.53	38.10

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	87.29	64.58	89.55	112.99	155.11	91.03	40.86	34.43	29.99	41.66	42.43	35.32
CRMS0276 - Just east of Wilkinson Canal	2.49	-1.27	-0.05	-1.01	-5.87	-3.33	2.13	1.52	-0.12	-0.27	-0.75	-1.24
Barataria Waterway at Lafitte (USACE82875)	-1.25	-0.68	-0.88	-0.74	-0.61	-1.13	-0.24	-0.14	-0.17	-0.17	-0.03	-0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	57.13	39.39	62.61	76.37	110.47	66.35	34.35	26.21	18.90	25.09	13.97	10.85
USGS7380251 Barataria Bay North of Grand Isle	7.85	5.94	16.81	29.49	50.51	24.34	3.82	2.62	0.39	0.90	0.99	0.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	19.85	13.44	26.25	37.38	62.93	41.79	12.03	3.37	3.88	4.95	2.32	1.74
USGS 07380335 - Little Lake Near Cutoff	12.98	7.83	18.05	26.16	44.45	32.46	10.87	1.99	1.61	2.09	0.98	0.66
USGS073802516 Barataria Pass at Grand Isle	5.93	2.33	7.96	12.25	17.09	11.17	6.13	1.34	0.94	1.41	0.58	0.27
HWQ14 - Lake Washington	1.97	1.03	3.11	7.71	12.53	7.97	0.38	-0.52	-0.74	-0.30	-0.29	-0.08
HWQ16 - Bayou Grand Liard	-0.42	-0.02	1.42	2.74	2.53	2.79	2.11	-1.15	-0.22	-0.85	-0.71	-0.82
CRMS 3985	-1.13	-0.41	-0.40	3.97	13.97	5.48	-7.68	-3.67	-2.25	-2.97	-2.74	-0.40
CRMS 0258	10.39	2.63	4.68	9.67	18.52	7.25	3.08	1.60	0.14	1.51	0.64	2.52
CRMS 0224	16.60	6.44	11.49	20.78	33.70	22.16	11.73	6.11	3.77	4.15	2.18	3.86
CRMS 0163	-0.44	-0.32	-0.21	-0.02	0.09	0.09	0.03	0.12	0.08	0.26	-0.04	-0.04
CRMS 0162	-0.65	-0.58	-1.07	-1.29	-1.55	-0.74	0.09	0.45	0.09	0.09	-0.05	-0.09

Figure WQ TSS 6 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.04	3.04	5.83	8.43	10.29	7.90	7.08	6.78	6.02	5.15	2.53	3.87
CRMS0276 - Just east of Wilkinson Canal	30.20	31.25	43.61	58.07	72.77	42.07	15.92	13.24	13.63	10.20	12.73	15.05
Barataria Waterway at Lafitte (USACE82875)	46.20	57.71	75.30	83.61	101.92	57.76	40.40	37.44	31.92	30.29	25.26	34.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.80	4.01	7.92	9.90	6.90	4.68	4.27	4.34	4.10	1.81	2.50
USGS7380251 Barataria Bay North of Grand Isle	8.19	5.40	6.57	8.62	8.21	6.84	5.89	6.75	7.38	6.71	4.60	4.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.56	4.79	10.60	13.54	12.39	8.18	6.87	7.19	6.27	5.53	4.17	3.01
USGS 07380335 - Little Lake Near Cutoff	11.84	7.69	16.82	21.49	20.67	11.06	7.77	6.54	4.97	5.61	5.72	4.14
USGS073802516 Barataria Pass at Grand Isle	8.83	6.14	13.83	18.81	20.88	13.87	9.75	9.33	6.02	6.93	4.88	3.95
HWQ14 - Lake Washington	7.16	3.76	7.11	8.02	7.04	5.60	4.17	3.95	4.37	4.94	3.54	2.87
HWQ16 - Bayou Grand Liard	28.40	23.37	41.45	44.05	53.64	29.02	12.06	12.26	7.53	8.88	10.51	11.76
CRMS 3985	13.81	9.97	6.66	6.39	5.41	4.44	3.47	5.94	7.49	6.35	6.64	7.67
CRMS 0258	9.91	15.17	20.85	26.37	33.88	21.05	11.65	6.72	5.89	5.74	1.15	8.67
CRMS 0224	4.29	3.65	9.09	14.50	16.16	11.10	6.78	6.45	6.41	6.37	2.25	1.48
CRMS 0163	42.19	54.16	64.54	66.08	76.61	46.56	41.60	39.17	37.27	30.06	20.85	29.74
CRMS 0162	71.89	112.93	142.48	133.12	153.24	65.40	57.28	48.19	38.60	32.27	34.90	63.13

V3PR3 HYST - cy 0 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	82.46	154.60	191.92	184.79	202.53	70.11	55.54	48.60	40.57	34.20	38.45	79.33
CRMS0276 - Just east of Wilkinson Canal	29.06	27.66	37.78	54.59	66.01	40.14	15.68	13.82	13.95	9.93	12.47	13.25
Barataria Waterway at Lafitte (USACE82875)	45.07	56.16	73.45	83.11	101.12	57.34	40.13	37.29	32.03	30.18	25.23	33.64
USGS2928590900040000 Barataria Waterway South of Lafitte	56.61	112.37	142.27	131.33	147.94	46.09	41.25	36.13	26.08	27.07	13.80	47.37
USGS7380251 Barataria Bay North of Grand Isle	17.20	35.98	55.14	60.93	71.20	20.51	10.49	10.42	7.83	7.79	5.60	11.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	30.95	61.10	82.76	78.68	92.46	28.33	11.73	11.14	10.66	9.88	5.94	19.68
USGS 07380335 - Little Lake Near Cutoff	27.94	45.94	68.38	64.80	75.90	27.79	10.35	8.86	7.03	7.28	5.99	14.18
USGS073802516 Barataria Pass at Grand Isle	18.85	22.05	33.57	39.04	40.70	22.64	11.16	10.86	7.66	8.11	5.33	6.96
HWQ14 - Lake Washington	10.39	11.17	16.34	24.91	24.56	13.41	5.62	4.57	4.14	4.56	3.33	3.99
HWQ16 - Bayou Grand Liard	28.95	25.05	42.11	46.58	53.04	31.40	12.33	11.27	7.87	8.11	10.21	11.22
CRMS 3985	12.74	10.32	14.68	21.70	25.32	10.47	3.71	3.36	4.07	4.26	4.36	7.39
CRMS 0258	18.65	28.96	39.31	43.02	56.82	24.03	13.79	9.46	6.90	7.17	2.07	13.29
CRMS 0224	21.84	29.98	40.29	45.60	56.55	22.21	12.46	12.37	10.16	10.30	4.16	12.12
CRMS 0163	41.74	53.40	62.86	65.79	75.31	46.65	41.46	39.14	37.35	29.68	20.82	29.33
CRMS 0162	71.13	111.70	141.06	131.59	151.93	64.84	57.18	48.27	38.83	32.45	34.97	62.59

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	78.42	151.56	186.09	176.35	192.24	62.21	48.46	41.82	34.55	29.05	35.92	75.46
CRMS0276 - Just east of Wilkinson Canal	-1.13	-3.59	-5.83	-3.48	-6.76	-1.93	-0.24	0.58	0.31	-0.27	-0.26	-1.80
Barataria Waterway at Lafitte (USACE82875)	-1.13	-1.55	-1.85	-0.50	-0.80	-0.42	-0.27	-0.15	0.11	-0.11	-0.03	-0.61
USGS2928590900040000 Barataria Waterway South of Lafitte	54.73	110.57	138.25	123.41	138.04	39.19	36.57	31.86	21.73	22.96	11.99	44.87
USGS7380251 Barataria Bay North of Grand Isle	9.01	30.58	48.57	52.31	62.99	13.67	4.61	3.67	0.45	1.08	1.00	7.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	23.39	56.31	72.15	65.14	80.07	20.15	4.86	3.95	4.39	4.35	1.76	16.67
USGS 07380335 - Little Lake Near Cutoff	16.10	38.25	51.56	43.31	55.23	16.73	2.58	2.32	2.06	1.67	0.27	10.04
USGS073802516 Barataria Pass at Grand Isle	10.02	15.91	19.74	20.23	19.82	8.77	1.41	1.52	1.65	1.18	0.45	3.00
HWQ14 - Lake Washington	3.23	7.41	9.23	16.89	17.52	7.81	1.45	0.62	-0.23	-0.38	-0.21	1.12
HWQ16 - Bayou Grand Liard	0.56	1.68	0.66	2.53	-0.60	2.37	0.27	-0.99	0.34	-0.77	-0.30	-0.55
CRMS 3985	-1.07	0.35	8.02	15.31	19.91	6.03	0.24	-2.59	-3.43	-2.09	-2.29	-0.28
CRMS 0258	8.74	13.78	18.46	16.65	22.95	2.98	2.15	2.75	1.01	1.43	0.92	4.62
CRMS 0224	17.55	26.32	31.19	31.09	40.39	11.11	5.68	5.92	3.74	3.93	1.92	10.64
CRMS 0163	-0.45	-0.76	-1.68	-0.29	-1.30	0.09	-0.14	-0.03	0.08	-0.38	-0.03	-0.41
CRMS 0162	-0.76	-1.23	-1.42	-1.53	-1.31	-0.56	-0.09	0.08	0.22	0.18	0.06	-0.55

Figure WQ TSS 7 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	2.36	3.47	5.94	8.02	6.64	6.66	7.00	6.20	5.32	3.85	3.57
CRMS0276 - Just east of Wilkinson Canal	15.48	18.32	15.19	29.48	33.35	22.90	9.23	7.87	8.47	10.75	16.16	13.93
Barataria Waterway at Lafitte (USACE82875)	37.72	33.52	25.28	45.61	55.61	41.85	27.16	25.87	26.06	34.46	31.64	29.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	1.71	2.92	5.74	7.28	6.57	6.18	7.10	6.13	4.89	2.61	2.96
USGS7380251 Barataria Bay North of Grand Isle	6.24	4.21	5.10	8.73	8.95	7.04	8.41	7.69	7.39	7.87	5.35	4.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.39	3.42	6.32	9.17	8.65	6.87	6.51	6.53	5.67	5.24	4.38	3.16
USGS 07380335 - Little Lake Near Cutoff	7.28	5.14	8.09	12.07	10.70	7.63	5.46	4.97	4.35	4.79	5.70	4.40
USGS073802516 Barataria Pass at Grand Isle	5.90	4.25	7.72	11.02	10.94	9.32	7.64	7.80	5.30	6.42	5.23	4.10
HWQ14 - Lake Washington	5.79	2.96	5.92	8.77	8.13	6.05	6.00	4.85	4.42	5.45	3.98	2.99
HWQ16 - Bayou Grand Liard	14.81	14.08	13.02	18.77	17.35	13.51	7.73	11.29	7.15	8.75	12.70	11.46
CRMS 3985	10.84	7.57	6.74	10.12	10.11	6.62	8.80	6.66	6.46	8.22	7.73	7.36
CRMS 0258	2.48	9.49	6.10	13.84	20.35	7.80	6.36	6.70	6.01	5.01	6.69	6.66
CRMS 0224	3.06	2.81	5.62	8.75	9.47	8.59	7.16	7.71	6.80	6.17	3.12	2.66
CRMS 0163	40.74	31.39	21.79	30.17	40.20	38.44	30.79	30.35	31.82	34.30	27.64	24.55
CRMS 0162	55.45	63.92	48.18	54.39	64.45	46.40	38.25	36.18	29.05	42.65	49.64	50.89

V3PR3 HYST - cy 0 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.52	80.30	67.93	60.48	82.08	47.38	38.24	36.18	32.90	41.16	49.31	48.04
CRMS0276 - Just east of Wilkinson Canal	14.91	17.39	15.65	30.14	32.03	22.97	10.20	8.29	8.42	10.67	15.53	13.32
Barataria Waterway at Lafitte (USACE82875)	37.26	32.64	25.02	45.41	54.88	41.52	27.13	25.79	25.89	34.17	31.63	29.70
USGS2928590900040000 Barataria Waterway South of Lafitte	25.92	50.67	36.13	31.27	53.92	28.20	32.35	29.81	22.32	27.82	17.00	16.56
USGS7380251 Barataria Bay North of Grand Isle	8.57	15.08	11.75	17.76	26.18	10.36	8.70	8.90	7.66	7.96	6.53	5.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.38	24.49	17.59	22.13	34.81	12.73	9.51	9.27	9.13	9.65	6.87	5.44
USGS 07380335 - Little Lake Near Cutoff	8.34	19.34	16.26	22.60	29.56	12.01	7.86	6.34	5.79	6.90	6.72	5.34
USGS073802516 Barataria Pass at Grand Isle	6.61	11.04	12.25	17.13	17.71	11.89	8.78	8.56	6.36	7.70	5.95	4.56
HWQ14 - Lake Washington	6.19	5.51	7.70	12.22	10.84	7.04	4.70	4.18	3.99	4.81	3.77	2.99
HWQ16 - Bayou Grand Liard	14.29	14.42	13.84	20.91	19.50	14.52	7.92	10.60	6.90	8.45	12.04	10.80
CRMS 3985	10.78	6.68	4.86	9.32	9.98	4.94	3.18	3.22	4.73	5.00	5.34	7.00
CRMS 0258	4.44	14.01	7.98	17.00	27.22	9.57	8.78	9.07	6.88	6.88	7.48	7.74
CRMS 0224	6.53	13.57	12.09	17.39	25.53	13.25	11.85	12.11	9.67	9.63	5.25	6.29
CRMS 0163	40.53	30.88	21.84	29.59	40.42	38.33	30.89	30.36	31.97	34.31	27.59	24.32
CRMS 0162	55.16	63.10	47.42	54.20	63.69	46.57	38.46	36.31	29.14	42.68	49.33	50.74

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	55.46	77.95	64.46	54.55	74.06	40.73	31.58	29.18	26.70	35.84	45.46	44.47
CRMS0276 - Just east of Wilkinson Canal	-0.57	-0.93	0.46	0.67	-1.32	0.06	0.97	0.42	-0.05	-0.08	-0.63	-0.62
Barataria Waterway at Lafitte (USACE82875)	-0.46	-0.88	-0.26	-0.21	-0.73	-0.33	-0.03	-0.09	-0.17	-0.28	-0.02	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	24.49	48.96	33.21	25.52	46.63	21.63	26.17	22.72	16.19	22.93	14.39	13.60
USGS7380251 Barataria Bay North of Grand Isle	2.33	10.88	6.65	9.03	17.23	3.32	0.29	1.20	0.27	0.08	1.18	0.64
USGS73802515 Hackberry Bay Northwest of Grand Isle	2.98	21.07	11.27	12.97	26.16	5.87	3.00	2.74	3.46	4.41	2.49	2.28
USGS 07380335 - Little Lake Near Cutoff	1.06	14.20	8.17	10.53	18.86	4.38	2.40	1.37	1.44	2.11	1.01	0.94
USGS073802516 Barataria Pass at Grand Isle	0.71	6.79	4.53	6.11	6.77	2.57	1.14	0.76	1.06	1.27	0.71	0.45
HWQ14 - Lake Washington	0.40	2.55	1.78	3.45	2.70	0.99	-1.29	-0.68	-0.43	-0.64	-0.21	0.00
HWQ16 - Bayou Grand Liard	-0.52	0.34	0.82	2.13	2.15	1.02	0.18	-0.68	-0.25	-0.30	-0.66	-0.67
CRMS 3985	-0.06	-0.90	-1.88	-0.80	-0.13	-1.68	-5.62	-3.44	-1.72	-3.22	-2.40	-0.36
CRMS 0258	1.96	4.52	1.88	3.16	6.87	1.77	2.42	2.37	0.87	1.87	0.80	1.08
CRMS 0224	3.48	10.77	6.46	8.64	16.05	4.66	4.68	4.40	2.87	3.47	2.13	3.64
CRMS 0163	-0.21	-0.51	0.05	-0.58	0.21	-0.11	0.11	0.01	0.16	0.00	-0.05	-0.23
CRMS 0162	-0.29	-0.82	-0.76	-0.19	-0.76	0.17	0.21	0.13	0.08	0.03	-0.32	-0.15

Figure WQ TSS 8 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.93	3.28	5.05	7.91	8.97	8.03	9.17	9.57	6.76	5.53	2.62	3.17
CRMS0276 - Just east of Wilkinson Canal	20.44	40.24	34.14	49.36	49.93	50.14	21.99	22.25	24.57	14.47	12.89	13.33
Barataria Waterway at Lafitte (USACE82875)	52.41	72.26	50.36	73.18	73.17	76.73	58.17	51.04	39.25	37.33	22.88	23.28
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	2.00	3.75	7.00	8.20	6.52	4.84	4.82	5.39	4.73	1.84	2.34
USGS7380251 Barataria Bay North of Grand Isle	7.16	5.87	5.69	8.26	7.49	7.31	11.64	8.54	7.62	6.23	3.97	3.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.23	5.46	9.29	11.59	10.31	7.54	7.81	8.99	7.40	6.27	4.08	2.55
USGS 07380335 - Little Lake Near Cutoff	7.83	9.52	14.51	17.95	15.26	10.01	7.05	10.56	7.60	7.54	5.61	3.91
USGS073802516 Barataria Pass at Grand Isle	5.94	7.43	12.14	15.35	15.12	12.45	9.34	12.88	8.11	8.29	4.98	3.44
HWQ14 - Lake Washington	5.45	3.93	6.59	7.40	6.53	5.39	7.50	5.87	4.52	4.56	3.08	2.34
HWQ16 - Bayou Grand Liard	20.79	32.18	31.68	34.56	30.67	32.51	20.13	19.00	13.22	9.00	10.62	10.77
CRMS 3985	12.90	10.80	5.51	6.35	4.97	6.98	16.46	5.80	7.38	5.57	5.22	6.20
CRMS 0258	10.65	16.93	15.83	23.30	27.39	29.55	26.36	24.44	10.74	7.15	1.50	2.59
CRMS 0224	2.74	4.40	8.18	12.03	11.82	10.23	6.82	7.44	8.54	7.91	2.65	1.13
CRMS 0163	52.94	67.71	41.51	54.41	52.73	60.33	55.83	49.81	43.31	35.83	17.66	19.36
CRMS 0162	97.59	136.98	90.88	109.93	104.98	102.40	90.66	70.20	51.02	44.40	28.08	40.78

V3PR3 HYST - cy 0 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.11	182.52	128.88	150.23	143.90	131.59	111.68	76.95	50.89	43.40	32.29	41.51
CRMS0276 - Just east of Wilkinson Canal	24.09	35.36	30.87	47.00	44.57	45.11	26.58	24.85	24.49	14.44	12.73	12.30
Barataria Waterway at Lafitte (USACE82875)	50.93	71.05	49.02	72.65	72.21	75.80	57.03	49.89	39.21	37.10	22.85	23.05
USGS2928590900040000 Barataria Waterway South of Lafitte	96.87	134.73	92.49	107.51	102.29	98.65	85.81	53.37	28.33	29.26	12.50	14.65
USGS7380251 Barataria Bay North of Grand Isle	28.49	47.73	33.62	48.44	51.62	42.07	33.98	26.17	10.59	9.03	5.25	4.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	44.86	76.94	50.36	64.99	61.39	63.41	53.69	36.09	13.36	11.48	5.96	4.24
USGS 07380335 - Little Lake Near Cutoff	33.35	58.77	42.23	54.84	50.07	52.61	43.25	29.59	10.93	9.28	6.02	4.06
USGS073802516 Barataria Pass at Grand Isle	18.56	29.70	23.19	33.88	28.32	26.93	23.57	22.43	11.09	9.70	5.53	3.53
HWQ14 - Lake Washington	10.03	14.90	11.87	21.58	16.98	15.65	10.44	8.44	5.29	5.24	3.28	2.36
HWQ16 - Bayou Grand Liard	21.57	33.67	31.71	38.32	33.12	36.78	24.34	20.36	14.29	8.81	10.08	9.07
CRMS 3985	10.25	11.45	8.98	16.95	17.20	15.94	10.02	7.35	4.30	3.29	3.65	5.85
CRMS 0258	27.17	35.51	24.69	37.31	41.82	43.55	42.33	32.17	11.69	8.43	2.31	4.58
CRMS 0224	29.71	38.39	25.71	39.08	39.35	41.97	40.15	27.90	12.84	11.78	4.50	5.23
CRMS 0163	52.04	67.11	40.72	53.73	52.57	59.94	55.32	49.76	43.26	35.94	17.72	19.46
CRMS 0162	96.30	135.55	89.06	108.44	103.35	101.29	89.76	69.62	50.72	44.23	28.05	40.43

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	126.19	179.24	123.83	142.32	134.92	123.56	102.51	67.38	44.13	37.87	29.67	38.35
CRMS0276 - Just east of Wilkinson Canal	3.65	-4.89	-3.27	-2.37	-5.37	-5.03	4.59	2.60	-0.08	-0.02	-0.16	-1.03
Barataria Waterway at Lafitte (USACE82875)	-1.47	-1.21	-1.33	-0.54	-0.95	-0.93	-1.13	-1.15	-0.03	-0.23	-0.03	-0.23
USGS2928590900040000 Barataria Waterway South of Lafitte	95.44	132.72	88.74	100.51	94.09	92.13	80.97	48.55	22.94	24.53	10.66	12.31
USGS7380251 Barataria Bay North of Grand Isle	21.33	41.87	27.92	40.18	44.13	34.77	22.34	17.63	2.97	2.80	1.28	0.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	39.62	71.48	41.07	53.39	51.07	55.87	45.88	27.10	5.96	5.21	1.88	1.68
USGS 07380335 - Little Lake Near Cutoff	25.52	49.25	27.72	36.89	34.80	42.60	36.20	19.03	3.33	1.74	0.41	0.14
USGS073802516 Barataria Pass at Grand Isle	12.62	22.27	11.05	18.53	13.20	14.48	14.23	9.55	2.98	1.40	0.54	0.09
HWQ14 - Lake Washington	4.59	10.97	5.27	14.18	10.45	10.26	2.94	2.57	0.77	0.68	0.20	0.02
HWQ16 - Bayou Grand Liard	0.78	1.49	0.04	3.77	2.45	4.28	4.21	1.36	1.08	-0.19	-0.54	-1.70
CRMS 3985	-2.66	0.65	3.47	10.60	12.23	8.96	-6.43	1.54	-3.08	-2.27	-1.58	-0.35
CRMS 0258	16.53	18.59	8.86	14.01	14.43	14.00	15.98	7.73	0.96	1.28	0.81	1.98
CRMS 0224	26.97	33.99	17.53	27.05	27.53	31.74	33.33	20.45	4.30	3.88	1.85	4.10
CRMS 0163	-0.91	-0.60	-0.79	-0.68	-0.16	-0.39	-0.51	-0.05	-0.05	0.10	0.06	0.10
CRMS 0162	-1.29	-1.43	-1.82	-1.49	-1.63	-1.12	-0.90	-0.58	-0.30	-0.16	-0.03	-0.35

Figure WQ TSS 9 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.89	1.01	4.59	8.01	10.04	8.44	8.91	9.18	6.37	5.52	2.55	4.28
CRMS0276 - Just east of Wilkinson Canal	33.23	9.73	25.68	54.25	76.35	70.18	28.84	20.58	21.48	12.57	11.84	24.40
Barataria Waterway at Lafitte (USACE82875)	47.78	16.09	49.11	76.64	108.68	100.34	61.16	46.02	36.73	34.00	22.72	50.98
USGS2928590900040000 Barataria Waterway South of Lafitte	1.79	0.72	2.96	7.38	9.52	7.42	4.92	4.59	4.78	4.51	1.74	3.03
USGS7380251 Barataria Bay North of Grand Isle	7.79	3.17	6.07	9.11	8.27	7.48	7.25	7.02	7.44	7.13	4.23	5.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.73	3.51	7.40	13.11	12.12	9.09	7.79	8.64	6.67	6.02	4.16	3.26
USGS 07380335 - Little Lake Near Cutoff	14.73	4.69	10.13	20.32	20.24	14.02	10.51	10.30	6.53	6.57	5.68	5.10
USGS073802516 Barataria Pass at Grand Isle	10.26	3.97	9.20	17.40	19.88	17.90	12.96	12.59	6.77	7.65	4.81	4.62
HWQ14 - Lake Washington	7.08	2.85	6.29	8.63	7.04	5.77	4.40	4.26	4.23	5.14	3.42	2.83
HWQ16 - Bayou Grand Liard	34.08	8.13	23.95	40.07	53.33	54.19	28.88	17.84	11.21	8.53	10.00	18.10
CRMS 3985	12.82	5.55	9.51	7.70	5.61	5.20	3.43	3.19	7.80	7.12	5.63	9.34
CRMS 0258	4.45	0.82	15.69	24.40	34.72	36.25	27.13	21.06	7.03	6.78	1.91	13.14
CRMS 0224	5.02	2.05	5.97	13.47	15.47	13.29	7.98	7.50	7.84	7.36	2.29	2.00
CRMS 0163	41.53	16.32	45.17	58.10	87.23	81.82	56.94	45.91	41.84	32.99	17.95	47.73
CRMS 0162	59.00	33.05	104.74	116.06	175.44	155.12	94.72	61.65	47.06	37.40	30.31	104.15

V3PR3 HYST - cy 0 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.44	36.17	150.38	162.62	234.14	196.04	114.55	60.24	47.75	36.82	37.02	143.24
CRMS0276 - Just east of Wilkinson Canal	34.23	9.11	22.39	51.49	69.33	60.45	30.53	22.44	21.87	12.30	11.39	20.71
Barataria Waterway at Lafitte (USACE82875)	47.39	15.91	47.96	75.86	108.10	100.02	59.99	45.46	36.80	33.83	22.68	49.78
USGS2928590900040000 Barataria Waterway South of Lafitte	31.69	11.15	107.49	114.90	168.52	147.98	88.06	39.95	27.44	27.63	15.25	104.83
USGS7380251 Barataria Bay North of Grand Isle	12.77	3.82	37.25	54.01	78.56	61.60	35.47	16.12	9.67	8.40	5.79	33.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.17	4.64	56.73	68.62	101.04	94.68	55.43	19.33	12.33	10.81	5.81	55.34
USGS 07380335 - Little Lake Near Cutoff	29.33	5.10	44.70	57.51	80.40	77.54	44.92	17.74	9.65	8.54	5.73	40.75
USGS073802516 Barataria Pass at Grand Isle	20.28	4.14	21.05	35.19	40.48	36.58	25.47	18.35	10.13	9.16	5.23	19.62
HWQ14 - Lake Washington	9.92	2.80	10.91	23.47	24.42	21.05	12.09	7.26	4.88	4.83	3.25	7.92
HWQ16 - Bayou Grand Liard	36.32	7.82	23.11	42.28	52.90	54.41	29.49	18.24	12.29	8.33	9.76	19.26
CRMS 3985	9.13	5.37	11.07	19.48	25.63	23.53	11.38	5.04	3.87	4.21	3.96	8.97
CRMS 0258	12.08	1.29	27.53	39.04	59.55	60.89	43.79	23.87	7.80	8.10	2.75	26.37
CRMS 0224	20.01	2.98	25.52	41.06	58.47	58.73	41.70	18.04	11.47	11.20	4.04	26.19
CRMS 0163	41.53	16.21	44.16	57.09	87.03	81.48	56.31	45.96	41.81	32.88	17.96	47.27
CRMS 0162	58.71	32.81	102.92	114.24	174.02	153.92	93.49	61.31	46.81	37.18	30.04	102.89

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	51.54	35.16	145.79	154.61	224.10	187.60	105.64	51.06	41.39	31.30	34.47	138.95
CRMS0276 - Just east of Wilkinson Canal	0.99	-0.62	-3.29	-2.77	-7.02	-9.73	1.69	1.85	0.40	-0.27	-0.45	-3.69
Barataria Waterway at Lafitte (USACE82875)	-0.39	-0.18	-1.15	-0.78	-0.58	-0.32	-1.17	-0.56	0.07	-0.17	-0.04	-1.20
USGS2928590900040000 Barataria Waterway South of Lafitte	29.91	10.44	104.53	107.52	159.00	140.56	83.14	35.36	22.66	23.12	13.51	101.80
USGS7380251 Barataria Bay North of Grand Isle	4.98	0.65	31.17	44.90	70.29	54.12	28.22	9.10	2.23	1.27	1.56	28.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.44	1.13	49.33	55.50	88.92	85.59	47.64	10.69	5.66	4.79	1.65	52.08
USGS 07380335 - Little Lake Near Cutoff	14.59	0.41	34.57	37.19	60.15	63.52	34.41	7.44	3.12	1.97	0.05	35.65
USGS073802516 Barataria Pass at Grand Isle	10.02	0.17	11.85	17.78	20.60	18.68	12.51	5.76	3.36	1.51	0.42	14.99
HWQ14 - Lake Washington	2.84	-0.05	4.62	14.83	17.38	15.29	7.70	3.00	0.65	-0.32	-0.17	5.09
HWQ16 - Bayou Grand Liard	2.24	-0.31	-0.84	2.22	-0.43	0.21	0.61	0.40	1.08	-0.20	-0.24	1.16
CRMS 3985	-3.69	-0.18	1.56	11.78	20.03	18.33	7.96	1.85	-3.93	-2.90	-1.67	-0.36
CRMS 0258	7.63	0.47	11.84	14.64	24.83	24.64	16.66	2.81	0.77	1.32	0.84	13.23
CRMS 0224	14.99	0.93	19.56	27.59	43.00	45.44	33.72	10.54	3.62	3.84	1.75	24.20
CRMS 0163	0.00	-0.11	-1.00	-1.01	-0.21	-0.34	-0.63	0.05	-0.03	-0.11	0.01	-0.46
CRMS 0162	-0.29	-0.24	-1.82	-1.83	-1.41	-1.20	-1.23	-0.34	-0.25	-0.22	-0.27	-1.26

Figure WQ TSS 10 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.59	1.76	4.41	7.24	9.08	8.11	7.56	7.22	6.44	5.42	3.08	3.58
CRMS0276 - Just east of Wilkinson Canal	17.33	12.99	19.37	34.79	57.81	41.17	15.54	9.85	12.22	12.87	15.69	12.41
Barataria Waterway at Lafitte (USACE82875)	46.06	22.79	32.88	56.18	84.23	63.43	37.28	29.06	29.91	38.07	30.22	23.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.57	1.21	3.14	6.15	8.54	7.06	5.28	5.37	5.22	4.68	2.14	2.57
USGS7380251 Barataria Bay North of Grand Isle	7.10	3.67	5.43	9.03	7.89	7.29	10.28	7.94	7.59	7.56	5.26	4.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.05	3.54	6.76	9.96	10.31	7.37	7.28	7.21	6.23	5.45	4.47	2.97
USGS 07380335 - Little Lake Near Cutoff	7.02	4.87	8.90	13.76	16.04	9.33	6.39	5.88	4.79	5.44	5.69	4.05
USGS073802516 Barataria Pass at Grand Isle	5.50	4.07	8.23	12.20	15.88	11.78	8.70	8.90	6.12	6.94	5.43	3.81
HWQ14 - Lake Washington	5.56	3.03	6.15	8.46	6.81	5.59	6.93	5.36	4.86	5.03	4.01	2.83
HWQ16 - Bayou Grand Liard	17.51	9.91	16.63	22.60	37.17	27.28	12.56	11.48	7.54	9.22	12.17	10.10
CRMS 3985	13.20	6.49	7.11	9.20	5.89	6.93	12.56	7.06	6.75	8.01	7.59	6.45
CRMS 0258	7.96	7.19	12.77	20.02	29.32	27.62	12.73	7.56	6.61	7.64	2.91	1.01
CRMS 0224	2.76	2.59	5.89	9.50	13.02	11.16	7.67	7.81	7.39	6.84	3.22	2.07
CRMS 0163	46.22	22.57	27.93	40.32	58.36	50.85	36.86	33.72	34.34	37.50	25.62	18.88
CRMS 0162	82.33	48.84	63.14	83.32	121.85	78.69	49.95	40.70	34.11	49.83	44.59	38.19

V3PR4 HYST - cy 0 - 1970 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	92.74	67.47	96.17	123.83	168.98	100.98	48.53	41.81	36.60	47.20	45.54	38.97
CRMS0276 - Just east of Wilkinson Canal	21.84	11.70	19.45	34.08	52.15	38.68	18.45	11.64	12.34	12.68	15.08	11.00
Barataria Waterway at Lafitte (USACE82875)	44.65	21.96	31.85	54.92	83.32	62.01	37.03	29.08	29.84	37.99	30.19	23.31
USGS2928590900040000 Barataria Waterway South of Lafitte	66.78	47.07	76.51	98.56	141.61	83.14	42.42	33.91	26.82	32.11	17.70	15.65
USGS7380251 Barataria Bay North of Grand Isle	18.02	10.69	26.39	45.61	70.37	36.93	14.64	10.67	7.95	8.40	6.24	4.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	30.79	20.02	38.96	57.44	89.09	53.44	20.13	10.49	10.03	10.28	6.78	4.69
USGS 07380335 - Little Lake Near Cutoff	25.46	15.24	32.41	48.69	74.86	46.39	18.56	8.02	6.40	7.50	6.71	4.70
USGS073802516 Barataria Pass at Grand Isle	13.85	7.22	17.53	28.94	39.31	26.11	15.80	10.29	7.20	8.34	6.03	4.09
HWQ14 - Lake Washington	8.27	4.29	9.53	18.88	23.93	15.82	7.97	4.97	4.08	4.68	3.69	2.74
HWQ16 - Bayou Grand Liard	17.87	10.33	18.83	29.02	45.96	32.52	14.96	10.16	7.49	8.42	11.64	9.35
CRMS 3985	11.39	5.87	7.68	16.74	28.29	15.81	5.33	3.46	4.29	4.99	4.83	6.05
CRMS 0258	21.86	11.09	20.48	34.17	57.70	39.65	16.48	9.23	6.79	9.25	3.59	3.44
CRMS 0224	22.93	10.66	20.10	35.99	58.67	38.81	19.98	13.59	10.91	10.92	5.44	5.83
CRMS 0163	45.74	22.16	27.58	40.11	58.30	51.26	37.05	33.81	34.35	37.70	25.63	18.73
CRMS 0162	81.61	48.13	61.67	81.25	119.91	77.74	50.18	41.16	34.23	49.83	44.60	38.07

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	89.15	65.70	91.76	116.58	159.90	92.86	40.97	34.59	30.16	41.77	42.46	35.39
CRMS0276 - Just east of Wilkinson Canal	4.51	-1.30	0.09	-0.71	-5.66	-2.50	2.91	1.79	0.11	-0.19	-0.61	-1.41
Barataria Waterway at Lafitte (USACE82875)	-1.41	-0.83	-1.03	-1.26	-0.91	-1.42	-0.25	0.02	-0.07	-0.08	-0.03	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	65.20	45.86	73.37	92.40	133.06	76.08	37.14	28.54	21.60	27.43	15.56	13.08
USGS7380251 Barataria Bay North of Grand Isle	10.92	7.02	20.95	36.58	62.48	29.64	4.36	2.73	0.35	0.84	0.98	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.73	16.48	32.20	47.48	78.79	46.08	12.85	3.28	3.80	4.83	2.31	1.72
USGS 07380335 - Little Lake Near Cutoff	18.44	10.37	23.52	34.93	58.81	37.05	12.17	2.14	1.61	2.06	1.02	0.65
USGS073802516 Barataria Pass at Grand Isle	8.34	3.15	9.30	16.74	23.43	14.33	7.10	1.39	1.08	1.40	0.61	0.28
HWQ14 - Lake Washington	2.71	1.26	3.38	10.42	17.11	10.23	1.04	-0.39	-0.78	-0.35	-0.32	-0.09
HWQ16 - Bayou Grand Liard	0.36	0.42	2.20	6.42	8.79	5.25	2.40	-1.31	-0.04	-0.81	-0.53	-0.75
CRMS 3985	-1.81	-0.62	0.57	7.54	22.41	8.88	-7.23	-3.61	-2.47	-3.02	-2.76	-0.40
CRMS 0258	13.91	3.91	7.72	14.15	28.38	12.03	3.75	1.67	0.18	1.60	0.68	2.43
CRMS 0224	20.17	8.07	14.21	26.49	45.64	27.65	12.32	5.78	3.52	4.09	2.21	3.76
CRMS 0163	-0.48	-0.41	-0.35	-0.22	-0.06	0.41	0.20	0.09	0.01	0.21	0.01	-0.16
CRMS 0162	-0.71	-0.71	-1.46	-2.07	-1.94	-0.95	0.23	0.46	0.12	0.00	0.02	-0.12

Figure WQ TSS 11 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.04	3.04	5.83	8.43	10.29	7.90	7.08	6.78	6.02	5.15	2.53	3.87
CRMS0276 - Just east of Wilkinson Canal	30.20	31.25	43.61	58.07	72.77	42.07	15.92	13.24	13.63	10.20	12.73	15.05
Barataria Waterway at Lafitte (USACE82875)	46.20	57.71	75.30	83.61	101.92	57.76	40.40	37.44	31.92	30.29	25.26	34.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.80	4.01	7.92	9.90	6.90	4.68	4.27	4.34	4.10	1.81	2.50
USGS7380251 Barataria Bay North of Grand Isle	8.19	5.40	6.57	8.62	8.21	6.84	5.89	6.75	7.38	6.71	4.60	4.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.56	4.79	10.60	13.54	12.39	8.18	6.87	7.19	6.27	5.53	4.17	3.01
USGS 07380335 - Little Lake Near Cutoff	11.84	7.69	16.82	21.49	20.67	11.06	7.77	6.54	4.97	5.61	5.72	4.14
USGS073802516 Barataria Pass at Grand Isle	8.83	6.14	13.83	18.81	20.88	13.87	9.75	9.33	6.02	6.93	4.88	3.95
HWQ14 - Lake Washington	7.16	3.76	7.11	8.02	7.04	5.60	4.17	3.95	4.37	4.94	3.54	2.87
HWQ16 - Bayou Grand Liard	28.40	23.37	41.45	44.05	53.64	29.02	12.06	12.26	7.53	8.88	10.51	11.76
CRMS 3985	13.81	9.97	6.66	6.39	5.41	4.44	3.47	5.94	7.49	6.35	6.64	7.67
CRMS 0258	9.91	15.17	20.85	26.37	33.88	21.05	11.65	6.72	5.89	5.74	1.15	8.67
CRMS 0224	4.29	3.65	9.09	14.50	16.16	11.10	6.78	6.45	6.41	6.37	2.25	1.48
CRMS 0163	42.19	54.16	64.54	66.08	76.61	46.56	41.60	39.17	37.27	30.06	20.85	29.74
CRMS 0162	71.89	112.93	142.48	133.12	153.24	65.40	57.28	48.19	38.60	32.27	34.90	63.13

V3PR4 HYST - cy 0 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	84.13	159.62	198.01	190.46	208.55	70.79	55.75	48.68	40.76	34.35	38.48	80.99
CRMS0276 - Just east of Wilkinson Canal	29.39	28.43	39.00	54.73	66.63	40.18	15.85	13.92	14.08	9.88	12.53	13.18
Barataria Waterway at Lafitte (USACE82875)	44.72	55.60	73.02	83.01	100.70	57.09	40.15	37.46	32.07	30.04	25.21	33.36
USGS2928590900040000 Barataria Waterway South of Lafitte	64.41	132.73	166.99	157.45	176.08	52.08	45.01	39.02	29.20	28.50	15.02	55.60
USGS7380251 Barataria Bay North of Grand Isle	19.93	50.03	74.13	75.99	88.94	22.81	10.76	10.57	7.95	7.81	5.61	14.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	36.87	78.32	104.72	98.45	113.58	30.82	12.10	11.31	10.69	9.90	5.91	24.38
USGS 07380335 - Little Lake Near Cutoff	33.69	62.37	88.12	81.93	95.87	30.58	10.77	8.96	7.01	7.30	5.99	18.49
USGS073802516 Barataria Pass at Grand Isle	22.17	29.53	42.09	46.80	49.22	25.16	11.46	11.04	7.75	8.14	5.31	8.52
HWQ14 - Lake Washington	11.09	14.70	20.72	30.23	31.39	15.73	5.96	4.65	4.12	4.55	3.31	4.62
HWQ16 - Bayou Grand Liard	30.34	30.05	49.48	52.96	60.88	33.18	12.42	11.30	8.02	8.07	10.24	11.79
CRMS 3985	11.97	14.06	24.48	29.76	37.52	13.06	3.97	3.37	4.16	4.28	4.32	7.50
CRMS 0258	21.82	39.04	54.11	51.72	70.36	25.56	14.14	9.92	7.26	7.50	2.21	15.84
CRMS 0224	25.59	41.91	54.62	57.48	72.72	25.01	12.78	12.73	10.40	10.52	4.26	14.59
CRMS 0163	41.56	53.34	62.93	64.88	75.23	46.74	41.62	39.24	37.28	29.63	20.92	29.29
CRMS 0162	70.88	111.00	139.87	130.98	151.29	64.60	57.19	48.30	38.85	32.36	34.86	62.31

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	80.09	156.58	192.18	182.03	198.25	62.89	48.67	41.90	34.74	29.20	35.95	77.11
CRMS0276 - Just east of Wilkinson Canal	-0.81	-2.81	-4.61	-3.33	-6.14	-1.89	-0.07	0.68	0.45	-0.32	-0.20	-1.88
Barataria Waterway at Lafitte (USACE82875)	-1.48	-2.10	-2.28	-0.60	-1.22	-0.67	-0.25	0.02	0.15	-0.26	-0.05	-0.89
USGS2928590900040000 Barataria Waterway South of Lafitte	62.54	130.93	162.98	149.53	166.18	45.18	40.33	34.75	24.86	24.40	13.20	53.11
USGS7380251 Barataria Bay North of Grand Isle	11.74	44.63	67.56	67.37	80.73	15.97	4.88	3.82	0.56	1.09	1.01	10.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.30	73.53	94.11	84.91	101.19	22.64	5.23	4.12	4.42	4.37	1.73	21.37
USGS 07380335 - Little Lake Near Cutoff	21.85	54.68	71.29	60.44	75.20	19.52	3.00	2.42	2.04	1.69	0.27	14.35
USGS073802516 Barataria Pass at Grand Isle	13.35	23.40	28.26	27.99	28.34	11.29	1.72	1.70	1.73	1.21	0.44	4.57
HWQ14 - Lake Washington	3.94	10.94	13.61	22.21	24.34	10.13	1.80	0.70	-0.25	-0.39	-0.22	1.76
HWQ16 - Bayou Grand Liard	1.94	6.68	8.03	8.91	7.24	4.16	0.36	-0.96	0.49	-0.80	-0.27	0.03
CRMS 3985	-1.84	4.09	17.83	23.38	32.11	8.62	0.50	-2.57	-3.33	-2.07	-2.32	-0.18
CRMS 0258	11.91	23.87	33.26	25.35	36.49	4.51	2.49	3.20	1.37	1.76	1.06	7.17
CRMS 0224	21.30	38.26	45.53	42.98	56.57	13.91	5.99	6.28	3.98	4.15	2.01	13.11
CRMS 0163	-0.63	-0.82	-1.61	-1.20	-1.38	0.18	0.01	0.07	0.01	-0.42	0.07	-0.46
CRMS 0162	-1.01	-1.93	-2.61	-2.13	-1.96	-0.80	-0.08	0.11	0.25	0.09	-0.04	-0.83

Figure WQ TSS 12 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	2.36	3.47	5.94	8.02	6.64	6.66	7.00	6.20	5.32	3.85	3.57
CRMS0276 - Just east of Wilkinson Canal	15.48	18.32	15.19	29.48	33.35	22.90	9.23	7.87	8.47	10.75	16.16	13.93
Barataria Waterway at Lafitte (USACE82875)	37.72	33.52	25.28	45.61	55.61	41.85	27.16	25.87	26.06	34.46	31.64	29.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	1.71	2.92	5.74	7.28	6.57	6.18	7.10	6.13	4.89	2.61	2.96
USGS7380251 Barataria Bay North of Grand Isle	6.24	4.21	5.10	8.73	8.95	7.04	8.41	7.69	7.39	7.87	5.35	4.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.39	3.42	6.32	9.17	8.65	6.87	6.51	6.53	5.67	5.24	4.38	3.16
USGS 07380335 - Little Lake Near Cutoff	7.28	5.14	8.09	12.07	10.70	7.63	5.46	4.97	4.35	4.79	5.70	4.40
USGS073802516 Barataria Pass at Grand Isle	5.90	4.25	7.72	11.02	10.94	9.32	7.64	7.80	5.30	6.42	5.23	4.10
HWQ14 - Lake Washington	5.79	2.96	5.92	8.77	8.13	6.05	6.00	4.85	4.42	5.45	3.98	2.99
HWQ16 - Bayou Grand Liard	14.81	14.08	13.02	18.77	17.35	13.51	7.73	11.29	7.15	8.75	12.70	11.46
CRMS 3985	10.84	7.57	6.74	10.12	10.11	6.62	8.80	6.66	6.46	8.22	7.73	7.36
CRMS 0258	2.48	9.49	6.10	13.84	20.35	7.80	6.36	6.70	6.01	5.01	6.69	6.66
CRMS 0224	3.06	2.81	5.62	8.75	9.47	8.59	7.16	7.71	6.80	6.17	3.12	2.66
CRMS 0163	40.74	31.39	21.79	30.17	40.20	38.44	30.79	30.35	31.82	34.30	27.64	24.55
CRMS 0162	55.45	63.92	48.18	54.39	64.45	46.40	38.25	36.18	29.05	42.65	49.64	50.89

V3PR4 HYST - cy 0 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.68	81.88	69.31	60.90	83.50	47.45	38.21	36.22	32.90	41.21	49.33	48.01
CRMS0276 - Just east of Wilkinson Canal	15.25	17.75	15.55	30.08	31.64	22.86	10.19	8.33	8.61	10.71	15.26	13.34
Barataria Waterway at Lafitte (USACE82875)	37.36	32.34	24.90	45.27	54.65	41.51	27.12	26.19	26.24	34.41	31.80	29.64
USGS2928590900040000 Barataria Waterway South of Lafitte	29.62	59.51	43.99	34.98	61.99	31.10	34.66	31.68	24.92	29.56	18.82	19.58
USGS7380251 Barataria Bay North of Grand Isle	8.80	18.44	14.33	19.59	29.42	10.56	8.75	8.91	7.50	7.93	6.49	5.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.66	30.22	21.26	24.60	38.80	12.89	9.42	9.17	9.05	9.59	6.85	5.38
USGS 07380335 - Little Lake Near Cutoff	8.49	24.47	19.36	25.11	33.75	12.30	7.86	6.23	5.74	6.98	6.70	5.29
USGS073802516 Barataria Pass at Grand Isle	6.67	13.41	13.39	19.25	19.84	12.22	8.66	8.44	6.33	7.70	5.94	4.52
HWQ14 - Lake Washington	6.20	6.43	8.26	13.86	11.58	7.13	4.71	4.07	3.87	4.76	3.72	3.00
HWQ16 - Bayou Grand Liard	14.53	15.51	14.47	22.17	20.56	14.70	7.82	10.45	6.89	8.52	12.03	10.79
CRMS 3985	10.80	6.93	5.40	10.30	10.46	4.95	3.17	3.18	4.50	5.00	5.30	6.99
CRMS 0258	4.52	16.17	9.50	18.32	29.50	9.74	8.84	9.18	6.87	6.97	7.60	7.73
CRMS 0224	6.62	16.71	13.91	19.07	28.66	13.54	11.93	12.14	9.72	9.79	5.40	6.24
CRMS 0163	40.37	30.69	21.62	30.03	39.95	38.34	30.79	30.50	32.08	34.20	27.24	24.43
CRMS 0162	54.88	62.80	46.68	54.17	63.58	46.60	38.38	36.17	28.95	42.52	49.50	50.67

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	55.63	79.52	65.83	54.96	75.48	40.81	31.55	29.22	26.70	35.90	45.48	44.44
CRMS0276 - Just east of Wilkinson Canal	-0.23	-0.57	0.36	0.60	-1.70	-0.05	0.96	0.46	0.14	-0.04	-0.90	-0.59
Barataria Waterway at Lafitte (USACE82875)	-0.35	-1.18	-0.37	-0.35	-0.96	-0.33	-0.04	0.32	0.18	-0.04	0.16	-0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	28.18	57.80	41.06	29.24	54.71	24.53	28.48	24.59	18.79	24.67	16.21	16.62
USGS7380251 Barataria Bay North of Grand Isle	2.56	14.23	9.23	10.86	20.47	3.51	0.35	1.21	0.11	0.05	1.14	0.65
USGS73802515 Hackberry Bay Northwest of Grand Isle	3.26	26.80	14.94	15.43	30.15	6.02	2.91	2.65	3.38	4.35	2.47	2.22
USGS 07380335 - Little Lake Near Cutoff	1.21	19.33	11.27	13.04	23.04	4.67	2.40	1.26	1.38	2.19	0.99	0.89
USGS073802516 Barataria Pass at Grand Isle	0.77	9.16	5.67	8.23	8.90	2.90	1.02	0.65	1.03	1.28	0.71	0.41
HWQ14 - Lake Washington	0.41	3.47	2.34	5.09	3.45	1.08	-1.28	-0.78	-0.55	-0.69	-0.26	0.01
HWQ16 - Bayou Grand Liard	-0.28	1.43	1.45	3.40	3.21	1.19	0.08	-0.83	-0.27	-0.23	-0.66	-0.67
CRMS 3985	-0.04	-0.64	-1.34	0.18	0.35	-1.67	-5.64	-3.48	-1.95	-3.22	-2.44	-0.37
CRMS 0258	2.03	6.68	3.40	4.49	9.15	1.94	2.48	2.48	0.86	1.95	0.92	1.08
CRMS 0224	3.56	13.90	8.29	10.33	19.18	4.95	4.76	4.43	2.92	3.62	2.28	3.58
CRMS 0163	-0.37	-0.70	-0.17	-0.14	-0.25	-0.10	0.00	0.15	0.26	-0.10	-0.40	-0.13
CRMS 0162	-0.57	-1.11	-1.50	-0.22	-0.87	0.20	0.13	-0.01	-0.11	-0.14	-0.14	-0.23

Figure WQ TSS 13 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.93	3.28	5.05	7.91	8.97	8.03	9.17	9.57	6.76	5.53	2.62	3.17
CRMS0276 - Just east of Wilkinson Canal	20.44	40.24	34.14	49.36	49.93	50.14	21.99	22.25	24.57	14.47	12.89	13.33
Barataria Waterway at Lafitte (USACE82875)	52.41	72.26	50.36	73.18	73.17	76.73	58.17	51.04	39.25	37.33	22.88	23.28
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	2.00	3.75	7.00	8.20	6.52	4.84	4.82	5.39	4.73	1.84	2.34
USGS7380251 Barataria Bay North of Grand Isle	7.16	5.87	5.69	8.26	7.49	7.31	11.64	8.54	7.62	6.23	3.97	3.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.23	5.46	9.29	11.59	10.31	7.54	7.81	8.99	7.40	6.27	4.08	2.55
USGS 07380335 - Little Lake Near Cutoff	7.83	9.52	14.51	17.95	15.26	10.01	7.05	10.56	7.60	7.54	5.61	3.91
USGS073802516 Barataria Pass at Grand Isle	5.94	7.43	12.14	15.35	15.12	12.45	9.34	12.88	8.11	8.29	4.98	3.44
HWQ14 - Lake Washington	5.45	3.93	6.59	7.40	6.53	5.39	7.50	5.87	4.52	4.56	3.08	2.34
HWQ16 - Bayou Grand Liard	20.79	32.18	31.68	34.56	30.67	32.51	20.13	19.00	13.22	9.00	10.62	10.77
CRMS 3985	12.90	10.80	5.51	6.35	4.97	6.98	16.46	5.80	7.38	5.57	5.22	6.20
CRMS 0258	10.65	16.93	15.83	23.30	27.39	29.55	26.36	24.44	10.74	7.15	1.50	2.59
CRMS 0224	2.74	4.40	8.18	12.03	11.82	10.23	6.82	7.44	8.54	7.91	2.65	1.13
CRMS 0163	52.94	67.71	41.51	54.41	52.73	60.33	55.83	49.81	43.31	35.83	17.66	19.36
CRMS 0162	97.59	136.98	90.88	109.93	104.98	102.40	90.66	70.20	51.02	44.40	28.08	40.78

V3PR4 HYST - cy 0 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	134.29	188.30	132.86	154.62	147.94	134.81	114.27	77.77	51.13	43.51	32.36	41.48
CRMS0276 - Just east of Wilkinson Canal	26.76	36.18	30.62	47.45	43.98	46.56	31.47	27.32	24.61	14.31	12.57	12.04
Barataria Waterway at Lafitte (USACE82875)	50.26	70.32	48.39	72.08	71.88	75.27	56.56	49.71	39.27	37.22	22.71	23.11
USGS2928590900040000 Barataria Waterway South of Lafitte	113.04	158.44	109.46	127.12	122.07	113.10	96.23	57.89	32.20	31.31	13.50	17.08
USGS7380251 Barataria Bay North of Grand Isle	36.21	65.06	43.15	59.59	62.03	53.79	42.83	29.45	10.91	9.12	5.21	4.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	57.78	98.06	63.09	79.79	74.29	73.17	60.89	37.93	13.33	11.46	5.86	4.20
USGS 07380335 - Little Lake Near Cutoff	45.34	79.40	53.80	67.72	61.84	61.77	50.43	32.59	11.00	9.28	5.90	3.99
USGS073802516 Barataria Pass at Grand Isle	24.23	38.75	27.75	40.76	33.32	31.91	27.46	24.72	11.38	9.75	5.40	3.49
HWQ14 - Lake Washington	11.91	19.60	14.35	25.85	20.43	19.66	12.77	9.81	5.49	5.38	3.21	2.35
HWQ16 - Bayou Grand Liard	24.04	40.55	34.64	44.41	38.08	40.69	26.88	21.69	14.65	8.90	9.95	8.94
CRMS 3985	11.76	18.71	13.11	22.89	23.89	22.71	14.24	9.19	4.50	3.34	3.61	5.85
CRMS 0258	35.08	49.05	32.08	43.10	49.44	52.84	50.64	34.65	11.83	8.61	2.37	4.47
CRMS 0224	38.11	54.11	32.96	48.42	48.69	50.99	46.90	30.47	12.91	11.79	4.52	5.11
CRMS 0163	51.65	66.18	40.21	53.44	51.98	59.80	54.97	49.72	43.28	36.12	17.63	19.43
CRMS 0162	95.70	134.72	87.82	107.72	102.70	100.62	89.26	69.56	50.75	44.39	28.03	40.51

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.36	185.02	127.81	146.71	138.96	126.78	105.11	68.20	44.37	37.98	29.74	38.32
CRMS0276 - Just east of Wilkinson Canal	6.32	-4.07	-3.52	-1.92	-5.95	-3.58	9.48	5.07	0.04	-0.15	-0.32	-1.29
Barataria Waterway at Lafitte (USACE82875)	-2.15	-1.94	-1.97	-1.10	-1.28	-1.45	-1.61	-1.33	0.03	-0.11	-0.17	-0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	111.60	156.44	105.71	120.12	113.87	106.58	91.39	53.08	26.81	26.58	11.66	14.74
USGS7380251 Barataria Bay North of Grand Isle	29.05	59.19	37.45	51.33	54.54	46.49	31.19	20.91	3.30	2.88	1.25	0.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	52.55	92.59	53.80	68.19	63.98	65.63	53.08	28.94	5.94	5.18	1.78	1.65
USGS 07380335 - Little Lake Near Cutoff	37.51	69.89	39.29	49.77	46.58	51.75	43.38	22.03	3.40	1.75	0.29	0.08
USGS073802516 Barataria Pass at Grand Isle	18.29	31.32	15.61	25.40	18.19	19.46	18.12	11.84	3.27	1.46	0.42	0.05
HWQ14 - Lake Washington	6.46	15.67	7.76	18.45	13.90	14.27	5.28	3.94	0.97	0.82	0.13	0.01
HWQ16 - Bayou Grand Liard	3.25	8.38	2.96	9.85	7.41	8.19	6.75	2.69	1.43	-0.10	-0.67	-1.82
CRMS 3985	-1.15	7.92	7.61	16.54	18.92	15.73	-2.22	3.38	-2.88	-2.23	-1.61	-0.35
CRMS 0258	24.43	32.13	16.25	19.80	22.05	23.29	24.28	10.21	1.10	1.46	0.86	1.88
CRMS 0224	35.37	49.70	24.78	36.40	36.86	40.76	40.08	23.03	4.37	3.88	1.87	3.98
CRMS 0163	-1.29	-1.53	-1.29	-0.97	-0.75	-0.53	-0.87	-0.09	-0.03	0.28	-0.03	0.08
CRMS 0162	-1.89	-2.25	-3.06	-2.21	-2.28	-1.79	-1.40	-0.64	-0.27	0.00	-0.06	-0.27

Figure WQ TSS 14 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.89	1.01	4.59	8.01	10.04	8.44	8.91	9.18	6.37	5.52	2.55	4.28
CRMS0276 - Just east of Wilkinson Canal	33.23	9.73	25.68	54.25	76.35	70.18	28.84	20.58	21.48	12.57	11.84	24.40
Barataria Waterway at Lafitte (USACE82875)	47.78	16.09	49.11	76.64	108.68	100.34	61.16	46.02	36.73	34.00	22.72	50.98
USGS2928590900040000 Barataria Waterway South of Lafitte	1.79	0.72	2.96	7.38	9.52	7.42	4.92	4.59	4.78	4.51	1.74	3.03
USGS7380251 Barataria Bay North of Grand Isle	7.79	3.17	6.07	9.11	8.27	7.48	7.25	7.02	7.44	7.13	4.23	5.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.73	3.51	7.40	13.11	12.12	9.09	7.79	8.64	6.67	6.02	4.16	3.26
USGS 07380335 - Little Lake Near Cutoff	14.73	4.69	10.13	20.32	20.24	14.02	10.51	10.30	6.53	6.57	5.68	5.10
USGS073802516 Barataria Pass at Grand Isle	10.26	3.97	9.20	17.40	19.88	17.90	12.96	12.59	6.77	7.65	4.81	4.62
HWQ14 - Lake Washington	7.08	2.85	6.29	8.63	7.04	5.77	4.40	4.26	4.23	5.14	3.42	2.83
HWQ16 - Bayou Grand Liard	34.08	8.13	23.95	40.07	53.33	54.19	28.88	17.84	11.21	8.53	10.00	18.10
CRMS 3985	12.82	5.55	9.51	7.70	5.61	5.20	3.43	3.19	7.80	7.12	5.63	9.34
CRMS 0258	4.45	0.82	15.69	24.40	34.72	36.25	27.13	21.06	7.03	6.78	1.91	13.14
CRMS 0224	5.02	2.05	5.97	13.47	15.47	13.29	7.98	7.50	7.84	7.36	2.29	2.00
CRMS 0163	41.53	16.32	45.17	58.10	87.23	81.82	56.94	45.91	41.84	32.99	17.95	47.73
CRMS 0162	59.00	33.05	104.74	116.06	175.44	155.12	94.72	61.65	47.06	37.40	30.31	104.15

V3PR4 HYST - cy 0 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.86	36.07	155.22	167.54	241.49	201.57	117.18	60.38	47.92	36.94	37.23	147.64
CRMS0276 - Just east of Wilkinson Canal	35.09	9.21	23.36	51.83	68.35	62.93	35.42	23.25	21.82	12.24	11.45	21.06
Barataria Waterway at Lafitte (USACE82875)	47.12	15.92	47.29	75.58	107.67	99.74	59.51	45.49	36.86	33.89	22.80	49.23
USGS2928590900040000 Barataria Waterway South of Lafitte	34.76	13.13	127.16	137.61	202.44	171.04	98.73	43.40	31.05	29.34	17.14	123.28
USGS7380251 Barataria Bay North of Grand Isle	15.46	3.87	50.26	66.17	98.91	81.32	44.81	16.87	9.80	8.52	5.94	46.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	28.57	4.69	72.79	85.03	127.02	113.15	63.50	20.10	12.38	10.73	5.76	70.73
USGS 07380335 - Little Lake Near Cutoff	34.47	5.18	59.28	71.42	104.61	95.91	52.90	19.00	9.74	8.51	5.68	55.33
USGS073802516 Barataria Pass at Grand Isle	24.29	4.21	26.13	42.36	50.20	44.61	30.08	19.68	10.35	9.17	5.18	26.13
HWQ14 - Lake Washington	12.18	2.87	12.93	28.07	30.86	28.04	15.43	8.19	5.05	4.87	3.23	10.42
HWQ16 - Bayou Grand Liard	38.18	7.95	27.44	48.43	61.91	60.58	31.89	18.75	12.36	8.29	9.73	23.12
CRMS 3985	10.75	5.41	16.23	26.34	38.56	37.33	16.41	5.71	4.06	4.26	3.94	12.67
CRMS 0258	14.73	1.36	36.97	45.48	74.43	75.03	52.00	24.32	7.99	8.24	2.83	35.48
CRMS 0224	23.58	3.07	33.99	50.65	76.76	73.78	48.82	18.78	11.59	11.24	4.14	35.38
CRMS 0163	41.48	16.21	43.60	57.21	86.09	81.79	55.98	46.13	41.91	32.82	17.94	46.82
CRMS 0162	58.61	32.78	102.25	113.41	173.77	153.18	93.14	61.28	46.91	37.17	30.00	102.32

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	51.97	35.06	150.64	159.53	231.45	193.14	108.27	51.19	41.55	31.42	34.68	143.36
CRMS0276 - Just east of Wilkinson Canal	1.86	-0.51	-2.33	-2.43	-8.00	-7.25	6.58	2.67	0.35	-0.33	-0.39	-3.34
Barataria Waterway at Lafitte (USACE82875)	-0.66	-0.17	-1.82	-1.06	-1.01	-0.61	-1.65	-0.53	0.13	-0.11	0.08	-1.75
USGS2928590900040000 Barataria Waterway South of Lafitte	32.98	12.42	124.21	130.22	192.92	163.62	93.81	38.81	26.27	24.83	15.40	120.24
USGS7380251 Barataria Bay North of Grand Isle	7.66	0.71	44.18	57.05	90.64	73.83	37.57	9.85	2.36	1.39	1.71	41.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	19.84	1.18	65.38	71.91	114.90	104.06	55.71	11.46	5.72	4.72	1.60	67.47
USGS 07380335 - Little Lake Near Cutoff	19.74	0.50	49.15	51.10	84.36	81.89	42.39	8.70	3.20	1.95	0.00	50.23
USGS073802516 Barataria Pass at Grand Isle	14.03	0.24	16.93	24.96	30.32	26.71	17.12	7.09	3.58	1.52	0.37	21.51
HWQ14 - Lake Washington	5.10	0.02	6.64	19.44	23.82	22.27	11.03	3.93	0.82	-0.27	-0.19	7.58
HWQ16 - Bayou Grand Liard	4.10	-0.19	3.50	8.36	8.58	6.39	3.01	0.91	1.15	-0.25	-0.27	5.02
CRMS 3985	-2.08	-0.14	6.72	18.64	32.95	32.13	12.98	2.53	-3.74	-2.86	-1.70	3.33
CRMS 0258	10.28	0.54	21.28	21.08	39.71	38.78	24.87	3.26	0.96	1.46	0.92	22.34
CRMS 0224	18.56	1.02	28.02	37.18	61.29	60.48	40.84	11.29	3.75	3.88	1.85	33.39
CRMS 0163	-0.06	-0.11	-1.57	-0.89	-1.15	-0.03	-0.96	0.21	0.07	-0.17	0.00	-0.91
CRMS 0162	-0.39	-0.27	-2.49	-2.66	-1.67	-1.94	-1.59	-0.38	-0.14	-0.23	-0.31	-1.83

Figure WQ TSS 15 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.59	1.76	4.41	7.24	9.08	8.11	7.56	7.22	6.44	5.42	3.08	3.58
CRMS0276 - Just east of Wilkinson Canal	17.33	12.99	19.37	34.79	57.81	41.17	15.54	9.85	12.22	12.87	15.69	12.41
Barataria Waterway at Lafitte (USACE82875)	46.06	22.79	32.88	56.18	84.23	63.43	37.28	29.06	29.91	38.07	30.22	23.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.57	1.21	3.14	6.15	8.54	7.06	5.28	5.37	5.22	4.68	2.14	2.57
USGS7380251 Barataria Bay North of Grand Isle	7.10	3.67	5.43	9.03	7.89	7.29	10.28	7.94	7.59	7.56	5.26	4.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.05	3.54	6.76	9.96	10.31	7.37	7.28	7.21	6.23	5.45	4.47	2.97
USGS 07380335 - Little Lake Near Cutoff	7.02	4.87	8.90	13.76	16.04	9.33	6.39	5.88	4.79	5.44	5.69	4.05
USGS073802516 Barataria Pass at Grand Isle	5.50	4.07	8.23	12.20	15.88	11.78	8.70	8.90	6.12	6.94	5.43	3.81
HWQ14 - Lake Washington	5.56	3.03	6.15	8.46	6.81	5.59	6.93	5.36	4.86	5.03	4.01	2.83
HWQ16 - Bayou Grand Liard	17.51	9.91	16.63	22.60	37.17	27.28	12.56	11.48	7.54	9.22	12.17	10.10
CRMS 3985	13.20	6.49	7.11	9.20	5.89	6.93	12.56	7.06	6.75	8.01	7.59	6.45
CRMS 0258	7.96	7.19	12.77	20.02	29.32	27.62	12.73	7.56	6.61	7.64	2.91	1.01
CRMS 0224	2.76	2.59	5.89	9.50	13.02	11.16	7.67	7.81	7.39	6.84	3.22	2.07
CRMS 0163	46.22	22.57	27.93	40.32	58.36	50.85	36.86	33.72	34.34	37.50	25.62	18.88
CRMS 0162	82.33	48.84	63.14	83.32	121.85	78.69	49.95	40.70	34.11	49.83	44.59	38.19

V3PR5 HYST - cy 0 - 1970 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	92.82	67.49	96.14	123.79	168.95	100.95	48.58	41.75	36.48	47.09	45.56	39.01
CRMS0276 - Just east of Wilkinson Canal	21.86	11.68	19.41	33.95	52.31	38.65	18.42	11.49	12.29	12.59	14.66	11.05
Barataria Waterway at Lafitte (USACE82875)	44.60	21.98	31.85	55.02	83.25	61.85	36.83	28.82	29.79	37.83	30.33	23.33
USGS2928590900040000 Barataria Waterway South of Lafitte	62.89	43.55	71.68	92.60	134.05	78.80	39.92	31.71	24.23	29.74	16.29	13.42
USGS7380251 Barataria Bay North of Grand Isle	18.42	10.97	26.72	46.26	71.18	38.27	14.78	10.64	8.05	8.51	6.25	4.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	31.20	20.27	39.39	58.04	89.84	53.61	20.21	10.59	10.13	10.33	6.80	4.71
USGS 07380335 - Little Lake Near Cutoff	25.68	15.31	32.49	48.73	75.21	46.37	18.69	8.05	6.48	7.59	6.62	4.68
USGS073802516 Barataria Pass at Grand Isle	13.98	7.29	17.70	29.19	39.32	26.21	15.85	10.34	7.27	8.37	5.99	4.06
HWQ14 - Lake Washington	8.39	4.36	9.57	18.86	24.27	16.13	8.07	4.97	4.13	4.76	3.71	2.76
HWQ16 - Bayou Grand Liard	18.01	10.35	19.00	28.94	46.04	32.29	15.04	10.37	7.50	8.44	11.36	9.29
CRMS 3985	11.60	5.91	7.74	17.13	29.06	16.34	5.43	3.41	4.23	4.98	4.85	6.07
CRMS 0258	21.26	10.88	20.03	33.60	56.69	39.04	16.36	9.26	6.84	9.25	3.63	3.49
CRMS 0224	22.77	10.59	19.99	35.60	57.96	38.10	20.10	13.81	10.99	10.94	5.46	5.80
CRMS 0163	45.69	22.29	27.71	39.85	58.27	50.76	36.72	33.70	34.41	37.47	25.62	18.83
CRMS 0162	81.56	48.16	61.90	81.35	120.08	77.80	50.47	41.62	34.60	49.94	44.72	38.07

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	89.23	65.73	91.74	116.54	159.86	92.83	41.02	34.52	30.04	41.66	42.48	35.42
CRMS0276 - Just east of Wilkinson Canal	4.53	-1.31	0.04	-0.84	-5.50	-2.52	2.88	1.64	0.07	-0.28	-1.03	-1.36
Barataria Waterway at Lafitte (USACE82875)	-1.46	-0.81	-1.03	-1.16	-0.98	-1.58	-0.45	-0.24	-0.12	-0.24	0.12	-0.10
USGS2928590900040000 Barataria Waterway South of Lafitte	61.32	42.35	68.53	86.45	125.50	71.73	34.65	26.34	19.01	25.06	14.15	10.85
USGS7380251 Barataria Bay North of Grand Isle	11.32	7.29	21.28	37.23	63.29	30.98	4.50	2.71	0.46	0.96	0.99	0.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	26.14	16.73	32.63	48.08	79.53	46.25	12.94	3.38	3.90	4.87	2.33	1.73
USGS 07380335 - Little Lake Near Cutoff	18.66	10.44	23.59	34.98	59.16	37.04	12.30	2.18	1.69	2.15	0.93	0.63
USGS073802516 Barataria Pass at Grand Isle	8.47	3.22	9.47	16.99	23.44	14.42	7.15	1.44	1.16	1.42	0.56	0.26
HWQ14 - Lake Washington	2.84	1.33	3.42	10.40	17.46	10.54	1.14	-0.39	-0.73	-0.27	-0.30	-0.07
HWQ16 - Bayou Grand Liard	0.50	0.44	2.37	6.34	8.87	5.02	2.48	-1.11	-0.04	-0.78	-0.81	-0.81
CRMS 3985	-1.61	-0.58	0.63	7.93	23.17	9.41	-7.14	-3.65	-2.53	-3.03	-2.75	-0.38
CRMS 0258	13.30	3.70	7.26	13.58	27.36	11.42	3.62	1.70	0.22	1.61	0.72	2.48
CRMS 0224	20.01	8.00	14.10	26.10	44.93	26.94	12.43	6.00	3.61	4.11	2.24	3.73
CRMS 0163	-0.53	-0.29	-0.22	-0.48	-0.09	-0.09	-0.14	-0.02	0.06	-0.03	0.00	-0.05
CRMS 0162	-0.76	-0.67	-1.23	-1.96	-1.77	-0.90	0.52	0.92	0.49	0.11	0.13	-0.13

Figure WQ TSS 16 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.04	3.04	5.83	8.43	10.29	7.90	7.08	6.78	6.02	5.15	2.53	3.87
CRMS0276 - Just east of Wilkinson Canal	30.20	31.25	43.61	58.07	72.77	42.07	15.92	13.24	13.63	10.20	12.73	15.05
Barataria Waterway at Lafitte (USACE82875)	46.20	57.71	75.30	83.61	101.92	57.76	40.40	37.44	31.92	30.29	25.26	34.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.80	4.01	7.92	9.90	6.90	4.68	4.27	4.34	4.10	1.81	2.50
USGS7380251 Barataria Bay North of Grand Isle	8.19	5.40	6.57	8.62	8.21	6.84	5.89	6.75	7.38	6.71	4.60	4.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.56	4.79	10.60	13.54	12.39	8.18	6.87	7.19	6.27	5.53	4.17	3.01
USGS 07380335 - Little Lake Near Cutoff	11.84	7.69	16.82	21.49	20.67	11.06	7.77	6.54	4.97	5.61	5.72	4.14
USGS073802516 Barataria Pass at Grand Isle	8.83	6.14	13.83	18.81	20.88	13.87	9.75	9.33	6.02	6.93	4.88	3.95
HWQ14 - Lake Washington	7.16	3.76	7.11	8.02	7.04	5.60	4.17	3.95	4.37	4.94	3.54	2.87
HWQ16 - Bayou Grand Liard	28.40	23.37	41.45	44.05	53.64	29.02	12.06	12.26	7.53	8.88	10.51	11.76
CRMS 3985	13.81	9.97	6.66	6.39	5.41	4.44	3.47	5.94	7.49	6.35	6.64	7.67
CRMS 0258	9.91	15.17	20.85	26.37	33.88	21.05	11.65	6.72	5.89	5.74	1.15	8.67
CRMS 0224	4.29	3.65	9.09	14.50	16.16	11.10	6.78	6.45	6.41	6.37	2.25	1.48
CRMS 0163	42.19	54.16	64.54	66.08	76.61	46.56	41.60	39.17	37.27	30.06	20.85	29.74
CRMS 0162	71.89	112.93	142.48	133.12	153.24	65.40	57.28	48.19	38.60	32.27	34.90	63.13

V3PR5 HYST - cy 0 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	84.19	159.60	198.01	190.43	208.53	70.73	55.75	48.59	40.57	34.29	38.49	80.93
CRMS0276 - Just east of Wilkinson Canal	29.74	28.40	38.81	54.94	66.32	40.30	15.77	13.78	13.98	9.76	12.52	13.23
Barataria Waterway at Lafitte (USACE82875)	44.73	55.56	72.92	82.89	100.64	57.18	40.07	37.26	32.03	30.17	25.28	33.40
USGS2928590900040000 Barataria Waterway South of Lafitte	60.57	125.41	158.51	148.93	167.06	48.73	41.61	36.49	26.13	26.94	13.86	51.47
USGS7380251 Barataria Bay North of Grand Isle	20.46	51.03	75.74	77.00	89.83	22.80	10.74	10.47	7.87	7.79	5.61	15.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	37.27	78.99	105.83	99.07	114.31	30.84	12.11	11.31	10.73	9.96	5.92	24.65
USGS 07380335 - Little Lake Near Cutoff	33.84	62.67	88.61	82.11	96.14	30.61	10.75	8.88	7.04	7.27	5.95	18.69
USGS073802516 Barataria Pass at Grand Isle	22.38	29.61	42.10	47.17	49.31	25.19	11.42	10.94	7.74	8.18	5.28	8.53
HWQ14 - Lake Washington	11.32	14.85	20.85	30.61	31.70	15.75	5.99	4.67	4.15	4.56	3.32	4.61
HWQ16 - Bayou Grand Liard	30.60	30.13	49.34	53.23	60.92	33.50	12.36	11.10	8.04	8.03	10.17	11.88
CRMS 3985	12.41	14.53	25.37	30.46	38.27	13.03	3.94	3.34	4.08	4.28	4.33	7.58
CRMS 0258	21.36	37.79	52.36	50.43	69.26	25.38	14.07	9.86	7.27	7.47	2.21	15.52
CRMS 0224	25.44	41.21	53.61	57.15	71.72	24.80	12.65	12.58	10.24	10.43	4.20	14.42
CRMS 0163	41.61	53.38	62.74	65.29	75.23	46.29	41.34	38.96	37.10	29.94	20.78	29.20
CRMS 0162	70.87	110.96	140.27	130.84	151.24	64.68	57.12	48.17	38.74	32.18	35.04	62.46

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	80.15	156.56	192.18	182.00	198.23	62.83	48.67	41.80	34.55	29.14	35.96	77.05
CRMS0276 - Just east of Wilkinson Canal	-0.45	-2.84	-4.80	-3.13	-6.45	-1.77	-0.15	0.54	0.34	-0.44	-0.21	-1.83
Barataria Waterway at Lafitte (USACE82875)	-1.47	-2.14	-2.38	-0.72	-1.28	-0.58	-0.33	-0.18	0.11	-0.12	0.02	-0.85
USGS2928590900040000 Barataria Waterway South of Lafitte	58.69	123.60	154.50	141.01	157.17	41.84	36.93	32.21	21.78	22.83	12.04	48.97
USGS7380251 Barataria Bay North of Grand Isle	12.26	45.63	69.17	68.38	81.62	15.97	4.86	3.72	0.48	1.08	1.01	10.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.71	74.20	95.22	85.54	101.93	22.66	5.24	4.12	4.46	4.43	1.75	21.64
USGS 07380335 - Little Lake Near Cutoff	22.00	54.99	71.78	60.62	75.47	19.55	2.98	2.34	2.07	1.65	0.23	14.54
USGS073802516 Barataria Pass at Grand Isle	13.55	23.47	28.27	28.36	28.43	11.33	1.67	1.61	1.73	1.25	0.41	4.57
HWQ14 - Lake Washington	4.16	11.09	13.75	22.60	24.65	10.15	1.82	0.72	-0.22	-0.38	-0.22	1.74
HWQ16 - Bayou Grand Liard	2.20	6.76	7.89	9.18	7.28	4.48	0.30	-1.16	0.52	-0.84	-0.35	0.12
CRMS 3985	-1.41	4.56	18.71	24.08	32.87	8.59	0.48	-2.60	-3.41	-2.07	-2.32	-0.09
CRMS 0258	11.45	22.62	31.51	24.06	35.38	4.32	2.43	3.14	1.38	1.73	1.06	6.85
CRMS 0224	21.15	37.56	44.51	42.64	55.57	13.70	5.87	6.13	3.83	4.06	1.95	12.93
CRMS 0163	-0.58	-0.78	-1.79	-0.79	-1.38	-0.27	-0.26	-0.21	-0.17	-0.11	-0.07	-0.54
CRMS 0162	-1.02	-1.97	-2.20	-2.28	-2.00	-0.72	-0.16	-0.01	0.14	-0.09	0.14	-0.67

Figure WQ TSS 17 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	2.36	3.47	5.94	8.02	6.64	6.66	7.00	6.20	5.32	3.85	3.57
CRMS0276 - Just east of Wilkinson Canal	15.48	18.32	15.19	29.48	33.35	22.90	9.23	7.87	8.47	10.75	16.16	13.93
Barataria Waterway at Lafitte (USACE82875)	37.72	33.52	25.28	45.61	55.61	41.85	27.16	25.87	26.06	34.46	31.64	29.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	1.71	2.92	5.74	7.28	6.57	6.18	7.10	6.13	4.89	2.61	2.96
USGS7380251 Barataria Bay North of Grand Isle	6.24	4.21	5.10	8.73	8.95	7.04	8.41	7.69	7.39	7.87	5.35	4.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.39	3.42	6.32	9.17	8.65	6.87	6.51	6.53	5.67	5.24	4.38	3.16
USGS 07380335 - Little Lake Near Cutoff	7.28	5.14	8.09	12.07	10.70	7.63	5.46	4.97	4.35	4.79	5.70	4.40
USGS073802516 Barataria Pass at Grand Isle	5.90	4.25	7.72	11.02	10.94	9.32	7.64	7.80	5.30	6.42	5.23	4.10
HWQ14 - Lake Washington	5.79	2.96	5.92	8.77	8.13	6.05	6.00	4.85	4.42	5.45	3.98	2.99
HWQ16 - Bayou Grand Liard	14.81	14.08	13.02	18.77	17.35	13.51	7.73	11.29	7.15	8.75	12.70	11.46
CRMS 3985	10.84	7.57	6.74	10.12	10.11	6.62	8.80	6.66	6.46	8.22	7.73	7.36
CRMS 0258	2.48	9.49	6.10	13.84	20.35	7.80	6.36	6.70	6.01	5.01	6.69	6.66
CRMS 0224	3.06	2.81	5.62	8.75	9.47	8.59	7.16	7.71	6.80	6.17	3.12	2.66
CRMS 0163	40.74	31.39	21.79	30.17	40.20	38.44	30.79	30.35	31.82	34.30	27.64	24.55
CRMS 0162	55.45	63.92	48.18	54.39	64.45	46.40	38.25	36.18	29.05	42.65	49.64	50.89

V3PR5 HYST - cy 0 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.80	81.86	69.39	60.96	83.41	47.41	38.23	36.24	33.01	41.20	49.33	48.04
CRMS0276 - Just east of Wilkinson Canal	15.09	17.76	15.45	30.18	31.79	22.90	10.27	8.43	8.59	10.68	15.38	13.31
Barataria Waterway at Lafitte (USACE82875)	37.34	32.36	24.78	45.33	54.65	41.53	27.20	26.07	26.06	34.35	31.67	29.57
USGS2928590900040000 Barataria Waterway South of Lafitte	26.55	55.29	40.43	32.55	58.09	28.47	32.37	29.70	22.34	27.70	17.08	16.70
USGS7380251 Barataria Bay North of Grand Isle	8.82	18.80	14.82	19.79	29.47	10.57	8.74	9.18	7.35	7.88	6.51	5.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.71	30.47	21.66	24.69	38.92	12.95	9.49	9.24	9.08	9.57	6.82	5.40
USGS 07380335 - Little Lake Near Cutoff	8.51	24.59	19.56	25.21	33.76	12.32	7.89	6.29	5.74	6.84	6.69	5.28
USGS073802516 Barataria Pass at Grand Isle	6.67	13.48	13.53	19.38	19.69	12.29	8.72	8.55	6.33	7.63	5.96	4.49
HWQ14 - Lake Washington	6.16	6.52	8.33	13.91	11.64	7.20	4.74	4.16	3.75	4.59	3.71	2.96
HWQ16 - Bayou Grand Liard	14.48	15.52	14.36	22.18	20.64	14.78	7.87	10.67	7.01	8.44	12.00	10.74
CRMS 3985	10.76	7.02	5.38	10.20	11.11	5.10	3.20	3.16	4.10	4.91	5.02	6.91
CRMS 0258	4.46	15.81	9.18	17.92	29.05	9.70	8.84	9.16	6.88	6.85	7.50	7.74
CRMS 0224	6.62	16.57	13.81	18.92	28.62	13.63	12.01	12.24	9.68	9.70	5.37	6.15
CRMS 0163	40.60	30.73	21.53	30.02	40.25	38.40	30.83	30.44	31.82	34.33	27.43	24.35
CRMS 0162	55.07	62.82	46.99	54.34	63.48	46.57	38.35	36.30	29.27	42.70	49.47	50.66

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	55.74	79.50	65.91	55.02	75.39	40.77	31.57	29.24	26.81	35.88	45.47	44.47
CRMS0276 - Just east of Wilkinson Canal	-0.40	-0.56	0.26	0.70	-1.56	0.00	1.05	0.55	0.12	-0.07	-0.77	-0.62
Barataria Waterway at Lafitte (USACE82875)	-0.37	-1.16	-0.49	-0.29	-0.97	-0.32	0.04	0.20	0.01	-0.10	0.03	-0.25
USGS2928590900040000 Barataria Waterway South of Lafitte	25.12	53.58	37.51	26.81	50.81	21.89	26.19	22.61	16.22	22.81	14.47	13.73
USGS7380251 Barataria Bay North of Grand Isle	2.58	14.60	9.72	11.06	20.52	3.53	0.33	1.48	-0.04	0.01	1.16	0.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	3.32	27.05	15.34	15.53	30.27	6.08	2.98	2.71	3.41	4.32	2.45	2.25
USGS 07380335 - Little Lake Near Cutoff	1.23	19.45	11.46	13.13	23.06	4.69	2.43	1.32	1.39	2.05	0.99	0.88
USGS073802516 Barataria Pass at Grand Isle	0.77	9.23	5.81	8.36	8.75	2.98	1.08	0.75	1.04	1.21	0.72	0.39
HWQ14 - Lake Washington	0.37	3.56	2.41	5.14	3.51	1.14	-1.25	-0.69	-0.67	-0.86	-0.27	-0.03
HWQ16 - Bayou Grand Liard	-0.33	1.43	1.34	3.41	3.29	1.27	0.13	-0.61	-0.14	-0.31	-0.70	-0.73
CRMS 3985	-0.08	-0.56	-1.36	0.09	1.00	-1.52	-5.60	-3.50	-2.35	-3.31	-2.72	-0.45
CRMS 0258	1.97	6.32	3.07	4.08	8.69	1.89	2.48	2.46	0.87	1.83	0.81	1.08
CRMS 0224	3.56	13.76	8.18	10.17	19.14	5.03	4.84	4.53	2.88	3.54	2.25	3.50
CRMS 0163	-0.14	-0.66	-0.26	-0.15	0.04	-0.04	0.05	0.09	0.01	0.03	-0.20	-0.20
CRMS 0162	-0.39	-1.09	-1.19	-0.05	-0.97	0.18	0.10	0.12	0.22	0.05	-0.17	-0.24

Figure WQ TSS 18 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.93	3.28	5.05	7.91	8.97	8.03	9.17	9.57	6.76	5.53	2.62	3.17
CRMS0276 - Just east of Wilkinson Canal	20.44	40.24	34.14	49.36	49.93	50.14	21.99	22.25	24.57	14.47	12.89	13.33
Barataria Waterway at Lafitte (USACE82875)	52.41	72.26	50.36	73.18	73.17	76.73	58.17	51.04	39.25	37.33	22.88	23.28
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	2.00	3.75	7.00	8.20	6.52	4.84	4.82	5.39	4.73	1.84	2.34
USGS7380251 Barataria Bay North of Grand Isle	7.16	5.87	5.69	8.26	7.49	7.31	11.64	8.54	7.62	6.23	3.97	3.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.23	5.46	9.29	11.59	10.31	7.54	7.81	8.99	7.40	6.27	4.08	2.55
USGS 07380335 - Little Lake Near Cutoff	7.83	9.52	14.51	17.95	15.26	10.01	7.05	10.56	7.60	7.54	5.61	3.91
USGS073802516 Barataria Pass at Grand Isle	5.94	7.43	12.14	15.35	15.12	12.45	9.34	12.88	8.11	8.29	4.98	3.44
HWQ14 - Lake Washington	5.45	3.93	6.59	7.40	6.53	5.39	7.50	5.87	4.52	4.56	3.08	2.34
HWQ16 - Bayou Grand Liard	20.79	32.18	31.68	34.56	30.67	32.51	20.13	19.00	13.22	9.00	10.62	10.77
CRMS 3985	12.90	10.80	5.51	6.35	4.97	6.98	16.46	5.80	7.38	5.57	5.22	6.20
CRMS 0258	10.65	16.93	15.83	23.30	27.39	29.55	26.36	24.44	10.74	7.15	1.50	2.59
CRMS 0224	2.74	4.40	8.18	12.03	11.82	10.23	6.82	7.44	8.54	7.91	2.65	1.13
CRMS 0163	52.94	67.71	41.51	54.41	52.73	60.33	55.83	49.81	43.31	35.83	17.66	19.36
CRMS 0162	97.59	136.98	90.88	109.93	104.98	102.40	90.66	70.20	51.02	44.40	28.08	40.78

V3PR5 HYST - cy 0 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	134.31	188.31	132.85	154.61	147.92	134.80	114.28	77.83	51.04	43.49	32.39	41.56
CRMS0276 - Just east of Wilkinson Canal	26.60	36.14	30.63	47.42	44.01	46.33	31.40	27.31	24.47	14.05	12.59	12.14
Barataria Waterway at Lafitte (USACE82875)	50.24	70.32	48.42	72.18	71.91	75.20	56.41	49.65	39.28	37.16	22.76	23.09
USGS2928590900040000 Barataria Waterway South of Lafitte	106.76	150.17	103.32	120.46	115.08	107.79	92.05	55.31	28.68	29.32	12.58	14.74
USGS7380251 Barataria Bay North of Grand Isle	37.00	66.37	44.19	60.49	62.96	54.49	43.95	29.95	11.11	9.21	5.28	4.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	58.47	98.85	63.82	80.72	75.03	73.96	61.45	38.27	13.50	11.52	5.94	4.24
USGS 07380335 - Little Lake Near Cutoff	45.59	79.72	53.89	68.05	62.00	62.13	50.66	32.74	11.12	9.31	5.93	4.02
USGS073802516 Barataria Pass at Grand Isle	24.39	38.85	27.78	40.82	33.46	32.12	27.56	24.80	11.48	9.82	5.45	3.50
HWQ14 - Lake Washington	12.08	19.80	14.57	26.11	20.68	19.88	12.99	9.94	5.59	5.33	3.27	2.35
HWQ16 - Bayou Grand Liard	23.94	40.58	34.65	44.40	38.15	40.62	26.56	21.46	14.25	8.81	9.99	8.91
CRMS 3985	12.05	19.48	13.57	23.31	24.50	23.40	14.84	9.51	4.62	3.49	3.66	5.87
CRMS 0258	33.99	47.40	31.11	42.22	48.69	51.91	49.74	34.26	11.85	8.58	2.36	4.55
CRMS 0224	37.63	52.97	32.59	47.81	48.18	50.63	46.52	30.28	13.04	11.89	4.53	5.31
CRMS 0163	51.62	66.01	40.44	53.24	52.39	60.33	55.01	50.00	43.69	36.15	17.67	19.50
CRMS 0162	95.70	134.74	88.04	107.81	102.96	101.11	89.43	69.73	50.99	44.51	28.11	40.60

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.38	185.03	127.80	146.70	138.95	126.77	105.11	68.26	44.28	37.96	29.77	38.39
CRMS0276 - Just east of Wilkinson Canal	6.16	-4.10	-3.52	-1.95	-5.92	-3.81	9.41	5.06	-0.11	-0.41	-0.30	-1.19
Barataria Waterway at Lafitte (USACE82875)	-2.17	-1.94	-1.94	-1.00	-1.25	-1.52	-1.76	-1.39	0.04	-0.17	-0.12	-0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	105.33	148.17	99.57	113.46	106.88	101.27	87.21	50.49	23.29	24.59	10.74	12.40
USGS7380251 Barataria Bay North of Grand Isle	29.84	60.51	38.49	52.23	55.47	47.18	32.32	21.41	3.50	2.98	1.32	0.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	53.23	93.39	54.53	69.13	64.71	66.42	53.65	29.28	6.10	5.25	1.85	1.69
USGS 07380335 - Little Lake Near Cutoff	37.76	70.21	39.39	50.10	46.74	52.11	43.61	22.18	3.52	1.77	0.32	0.11
USGS073802516 Barataria Pass at Grand Isle	18.45	31.42	15.64	25.47	18.34	19.67	18.22	11.92	3.37	1.53	0.46	0.06
HWQ14 - Lake Washington	6.63	15.87	7.98	18.71	14.15	14.49	5.50	4.07	1.07	0.77	0.19	0.02
HWQ16 - Bayou Grand Liard	3.15	8.40	2.98	9.84	7.48	8.11	6.43	2.46	1.03	-0.18	-0.63	-1.85
CRMS 3985	-0.85	8.69	8.06	16.96	19.53	16.42	-1.61	3.71	-2.76	-2.08	-1.56	-0.33
CRMS 0258	23.35	30.47	15.28	18.93	21.30	22.36	23.38	9.82	1.11	1.43	0.86	1.96
CRMS 0224	34.89	48.57	24.40	35.79	36.36	40.40	39.70	22.84	4.50	3.99	1.88	4.19
CRMS 0163	-1.32	-1.70	-1.06	-1.17	-0.35	0.00	-0.82	0.19	0.38	0.32	0.01	0.14
CRMS 0162	-1.88	-2.24	-2.84	-2.12	-2.02	-1.29	-1.23	-0.47	-0.03	0.12	0.02	-0.18

Figure WQ TSS 19 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.89	1.01	4.59	8.01	10.04	8.44	8.91	9.18	6.37	5.52	2.55	4.28
CRMS0276 - Just east of Wilkinson Canal	33.23	9.73	25.68	54.25	76.35	70.18	28.84	20.58	21.48	12.57	11.84	24.40
Barataria Waterway at Lafitte (USACE82875)	47.78	16.09	49.11	76.64	108.68	100.34	61.16	46.02	36.73	34.00	22.72	50.98
USGS2928590900040000 Barataria Waterway South of Lafitte	1.79	0.72	2.96	7.38	9.52	7.42	4.92	4.59	4.78	4.51	1.74	3.03
USGS7380251 Barataria Bay North of Grand Isle	7.79	3.17	6.07	9.11	8.27	7.48	7.25	7.02	7.44	7.13	4.23	5.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.73	3.51	7.40	13.11	12.12	9.09	7.79	8.64	6.67	6.02	4.16	3.26
USGS 07380335 - Little Lake Near Cutoff	14.73	4.69	10.13	20.32	20.24	14.02	10.51	10.30	6.53	6.57	5.68	5.10
USGS073802516 Barataria Pass at Grand Isle	10.26	3.97	9.20	17.40	19.88	17.90	12.96	12.59	6.77	7.65	4.81	4.62
HWQ14 - Lake Washington	7.08	2.85	6.29	8.63	7.04	5.77	4.40	4.26	4.23	5.14	3.42	2.83
HWQ16 - Bayou Grand Liard	34.08	8.13	23.95	40.07	53.33	54.19	28.88	17.84	11.21	8.53	10.00	18.10
CRMS 3985	12.82	5.55	9.51	7.70	5.61	5.20	3.43	3.19	7.80	7.12	5.63	9.34
CRMS 0258	4.45	0.82	15.69	24.40	34.72	36.25	27.13	21.06	7.03	6.78	1.91	13.14
CRMS 0224	5.02	2.05	5.97	13.47	15.47	13.29	7.98	7.50	7.84	7.36	2.29	2.00
CRMS 0163	41.53	16.32	45.17	58.10	87.23	81.82	56.94	45.91	41.84	32.99	17.95	47.73
CRMS 0162	59.00	33.05	104.74	116.06	175.44	155.12	94.72	61.65	47.06	37.40	30.31	104.15

V3PR5 HYST - cy 0 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.98	36.19	155.20	167.53	241.47	201.55	117.15	60.53	47.80	36.91	37.24	147.62
CRMS0276 - Just east of Wilkinson Canal	35.13	9.13	23.20	51.68	68.73	62.28	35.30	23.28	21.87	12.39	11.44	21.33
Barataria Waterway at Lafitte (USACE82875)	47.12	15.91	47.39	75.41	107.69	99.61	59.43	45.44	36.86	33.93	22.67	49.24
USGS2928590900040000 Barataria Waterway South of Lafitte	32.78	11.19	119.88	129.84	191.51	163.14	94.43	40.48	27.64	27.64	15.78	116.51
USGS7380251 Barataria Bay North of Grand Isle	15.84	3.90	51.29	66.98	100.26	82.29	45.73	16.98	9.85	8.54	5.90	46.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	28.85	4.74	73.63	85.92	127.55	114.05	63.97	20.25	12.41	10.87	5.78	71.18
USGS 07380335 - Little Lake Near Cutoff	34.71	5.22	59.59	71.71	104.73	96.51	53.16	19.02	9.70	8.58	5.75	55.72
USGS073802516 Barataria Pass at Grand Isle	24.51	4.25	26.21	42.57	50.00	44.77	30.17	19.72	10.37	9.27	5.19	25.93
HWQ14 - Lake Washington	12.52	2.90	13.04	28.32	31.47	28.30	15.68	8.31	5.03	4.89	3.15	10.60
HWQ16 - Bayou Grand Liard	38.30	7.87	27.23	48.30	61.85	60.65	32.01	18.52	12.31	8.34	9.85	23.18
CRMS 3985	11.10	5.44	16.75	26.95	39.73	38.50	16.96	5.81	4.05	3.75	3.82	13.29
CRMS 0258	14.44	1.35	35.64	44.30	73.08	73.77	50.91	24.12	7.97	8.19	2.80	34.41
CRMS 0224	23.49	3.08	33.48	50.21	75.35	72.53	48.41	18.76	11.55	11.23	4.11	34.87
CRMS 0163	41.50	16.21	43.69	57.30	86.83	81.42	55.99	45.99	41.64	32.90	17.93	46.84
CRMS 0162	58.61	32.74	102.14	113.14	173.91	153.29	93.27	61.35	46.94	37.17	30.06	102.28

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	52.09	35.18	150.61	159.52	231.43	193.11	108.24	51.35	41.43	31.39	34.69	143.34
CRMS0276 - Just east of Wilkinson Canal	1.89	-0.59	-2.48	-2.57	-7.63	-7.90	6.46	2.70	0.39	-0.18	-0.40	-3.07
Barataria Waterway at Lafitte (USACE82875)	-0.66	-0.18	-1.72	-1.23	-0.99	-0.73	-1.72	-0.58	0.13	-0.07	-0.05	-1.74
USGS2928590900040000 Barataria Waterway South of Lafitte	31.00	10.47	116.93	122.46	181.99	155.72	89.52	35.88	22.86	23.13	14.04	113.48
USGS7380251 Barataria Bay North of Grand Isle	8.04	0.73	45.21	57.87	91.99	74.81	38.48	9.96	2.41	1.41	1.66	41.64
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.11	1.23	66.22	72.80	115.42	104.96	56.18	11.61	5.74	4.85	1.62	67.91
USGS 07380335 - Little Lake Near Cutoff	19.98	0.53	49.46	51.39	84.49	82.49	42.65	8.72	3.17	2.01	0.07	50.62
USGS073802516 Barataria Pass at Grand Isle	14.25	0.28	17.01	25.17	30.11	26.87	17.21	7.13	3.60	1.62	0.39	21.31
HWQ14 - Lake Washington	5.44	0.05	6.76	19.69	24.43	22.53	11.28	4.05	0.80	-0.26	-0.27	7.76
HWQ16 - Bayou Grand Liard	4.21	-0.26	3.28	8.23	8.51	6.45	3.13	0.68	1.10	-0.19	-0.15	5.08
CRMS 3985	-1.73	-0.11	7.24	19.25	34.12	33.29	13.54	2.62	-3.76	-3.36	-1.82	3.96
CRMS 0258	9.99	0.53	19.95	19.90	38.36	37.53	23.78	3.06	0.93	1.41	0.89	21.27
CRMS 0224	18.47	1.02	27.51	36.74	59.88	59.24	40.43	11.26	3.71	3.87	1.82	32.88
CRMS 0163	-0.03	-0.11	-1.48	-0.80	-0.41	-0.41	-0.95	0.08	-0.20	-0.08	-0.02	-0.89
CRMS 0162	-0.39	-0.31	-2.60	-2.93	-1.53	-1.83	-1.45	-0.31	-0.12	-0.23	-0.25	-1.87

Figure WQ TSS 20 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.59	1.76	4.41	7.24	9.08	8.11	7.56	7.22	6.44	5.42	3.08	3.58
CRMS0276 - Just east of Wilkinson Canal	17.33	12.99	19.37	34.79	57.81	41.17	15.54	9.85	12.22	12.87	15.69	12.41
Barataria Waterway at Lafitte (USACE82875)	46.06	22.79	32.88	56.18	84.23	63.43	37.28	29.06	29.91	38.07	30.22	23.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.57	1.21	3.14	6.15	8.54	7.06	5.28	5.37	5.22	4.68	2.14	2.57
USGS7380251 Barataria Bay North of Grand Isle	7.10	3.67	5.43	9.03	7.89	7.29	10.28	7.94	7.59	7.56	5.26	4.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.05	3.54	6.76	9.96	10.31	7.37	7.28	7.21	6.23	5.45	4.47	2.97
USGS 07380335 - Little Lake Near Cutoff	7.02	4.87	8.90	13.76	16.04	9.33	6.39	5.88	4.79	5.44	5.69	4.05
USGS073802516 Barataria Pass at Grand Isle	5.50	4.07	8.23	12.20	15.88	11.78	8.70	8.90	6.12	6.94	5.43	3.81
HWQ14 - Lake Washington	5.56	3.03	6.15	8.46	6.81	5.59	6.93	5.36	4.86	5.03	4.01	2.83
HWQ16 - Bayou Grand Liard	17.51	9.91	16.63	22.60	37.17	27.28	12.56	11.48	7.54	9.22	12.17	10.10
CRMS 3985	13.20	6.49	7.11	9.20	5.89	6.93	12.56	7.06	6.75	8.01	7.59	6.45
CRMS 0258	7.96	7.19	12.77	20.02	29.32	27.62	12.73	7.56	6.61	7.64	2.91	1.01
CRMS 0224	2.76	2.59	5.89	9.50	13.02	11.16	7.67	7.81	7.39	6.84	3.22	2.07
CRMS 0163	46.22	22.57	27.93	40.32	58.36	50.85	36.86	33.72	34.34	37.50	25.62	18.88
CRMS 0162	82.33	48.84	63.14	83.32	121.85	78.69	49.95	40.70	34.11	49.83	44.59	38.19

V3PR6 HYST - cy 0 - 1970 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	95.92	69.73	99.85	128.49	175.04	103.90	48.85	41.83	36.70	47.37	45.72	39.17
CRMS0276 - Just east of Wilkinson Canal	26.56	11.68	20.60	37.13	60.93	42.59	20.78	11.96	12.45	12.62	15.00	11.13
Barataria Waterway at Lafitte (USACE82875)	43.72	21.62	31.13	53.86	81.68	60.43	36.61	28.92	29.83	38.00	30.11	23.28
USGS2928590900040000 Barataria Waterway South of Lafitte	73.80	52.63	86.34	112.40	156.52	91.31	43.09	34.40	27.06	32.34	17.86	15.88
USGS7380251 Barataria Bay North of Grand Isle	27.85	16.52	39.09	62.67	97.34	54.11	17.47	11.20	8.22	8.52	6.32	4.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.04	29.36	54.61	77.56	115.44	65.32	22.58	10.81	10.12	10.37	6.77	4.65
USGS 07380335 - Little Lake Near Cutoff	38.98	23.41	46.56	66.00	101.17	57.63	21.86	8.38	6.51	7.52	6.62	4.63
USGS073802516 Barataria Pass at Grand Isle	19.72	10.10	22.60	37.74	51.64	34.06	18.64	10.65	7.39	8.42	5.92	4.01
HWQ14 - Lake Washington	10.64	5.65	11.66	25.32	38.15	23.76	10.27	5.36	4.16	4.70	3.67	2.74
HWQ16 - Bayou Grand Liard	20.84	12.22	23.79	40.19	62.62	39.20	16.24	10.03	7.49	8.34	11.45	9.21
CRMS 3985	14.01	6.63	13.00	28.93	56.12	27.80	7.13	3.62	4.28	4.95	4.80	6.06
CRMS 0258	29.29	15.47	28.91	42.70	72.16	51.39	18.37	9.49	7.07	9.44	3.77	3.43
CRMS 0224	31.07	15.84	28.21	47.37	78.67	50.90	21.97	13.21	10.72	10.87	5.52	5.66
CRMS 0163	45.37	22.10	27.18	39.28	58.22	50.91	36.99	33.75	34.41	37.42	25.42	18.78
CRMS 0162	81.02	47.64	60.43	79.53	117.86	77.28	50.95	41.76	34.44	50.04	44.41	38.21

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	92.33	67.97	95.44	121.25	165.96	95.79	41.30	34.61	30.25	41.95	42.64	35.59
CRMS0276 - Just east of Wilkinson Canal	9.22	-1.31	1.23	2.33	3.12	1.42	5.25	2.11	0.22	-0.25	-0.69	-1.28
Barataria Waterway at Lafitte (USACE82875)	-2.34	-1.17	-1.76	-2.31	-2.54	-3.00	-0.67	-0.14	-0.08	-0.07	-0.10	-0.15
USGS2928590900040000 Barataria Waterway South of Lafitte	72.23	51.42	83.20	106.25	147.98	84.24	37.81	29.03	21.84	27.66	15.73	13.30
USGS7380251 Barataria Bay North of Grand Isle	20.75	12.85	33.66	53.65	89.45	46.82	7.19	3.26	0.62	0.96	1.06	0.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	37.98	25.82	47.86	67.60	105.14	57.95	15.30	3.60	3.89	4.91	2.30	1.68
USGS 07380335 - Little Lake Near Cutoff	31.96	18.54	37.66	52.24	85.12	48.30	15.47	2.51	1.72	2.08	0.93	0.59
USGS073802516 Barataria Pass at Grand Isle	14.22	6.03	14.37	25.54	35.76	22.27	9.94	1.74	1.28	1.48	0.50	0.21
HWQ14 - Lake Washington	5.08	2.62	5.51	16.86	31.34	18.17	3.34	0.00	-0.70	-0.34	-0.34	-0.09
HWQ16 - Bayou Grand Liard	3.33	2.31	7.16	17.59	25.45	11.93	3.68	-1.45	-0.05	-0.88	-0.72	-0.90
CRMS 3985	0.81	0.15	5.89	19.72	50.23	20.87	-5.43	-3.44	-2.48	-3.06	-2.79	-0.39
CRMS 0258	21.33	8.28	16.14	22.67	42.84	23.77	5.63	1.93	0.46	1.79	0.86	2.42
CRMS 0224	28.30	13.25	22.32	37.87	65.65	39.74	14.30	5.40	3.34	4.03	2.30	3.60
CRMS 0163	-0.85	-0.48	-0.75	-1.04	-0.14	0.06	0.13	0.03	0.07	-0.08	-0.20	-0.10
CRMS 0162	-1.31	-1.20	-2.70	-3.78	-3.99	-1.41	1.00	1.07	0.34	0.22	-0.17	0.02

Figure WQ TSS 21 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.04	3.04	5.83	8.43	10.29	7.90	7.08	6.78	6.02	5.15	2.53	3.87
CRMS0276 - Just east of Wilkinson Canal	30.20	31.25	43.61	58.07	72.77	42.07	15.92	13.24	13.63	10.20	12.73	15.05
Barataria Waterway at Lafitte (USACE82875)	46.20	57.71	75.30	83.61	101.92	57.76	40.40	37.44	31.92	30.29	25.26	34.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.80	4.01	7.92	9.90	6.90	4.68	4.27	4.34	4.10	1.81	2.50
USGS7380251 Barataria Bay North of Grand Isle	8.19	5.40	6.57	8.62	8.21	6.84	5.89	6.75	7.38	6.71	4.60	4.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.56	4.79	10.60	13.54	12.39	8.18	6.87	7.19	6.27	5.53	4.17	3.01
USGS 07380335 - Little Lake Near Cutoff	11.84	7.69	16.82	21.49	20.67	11.06	7.77	6.54	4.97	5.61	5.72	4.14
USGS073802516 Barataria Pass at Grand Isle	8.83	6.14	13.83	18.81	20.88	13.87	9.75	9.33	6.02	6.93	4.88	3.95
HWQ14 - Lake Washington	7.16	3.76	7.11	8.02	7.04	5.60	4.17	3.95	4.37	4.94	3.54	2.87
HWQ16 - Bayou Grand Liard	28.40	23.37	41.45	44.05	53.64	29.02	12.06	12.26	7.53	8.88	10.51	11.76
CRMS 3985	13.81	9.97	6.66	6.39	5.41	4.44	3.47	5.94	7.49	6.35	6.64	7.67
CRMS 0258	9.91	15.17	20.85	26.37	33.88	21.05	11.65	6.72	5.89	5.74	1.15	8.67
CRMS 0224	4.29	3.65	9.09	14.50	16.16	11.10	6.78	6.45	6.41	6.37	2.25	1.48
CRMS 0163	42.19	54.16	64.54	66.08	76.61	46.56	41.60	39.17	37.27	30.06	20.85	29.74
CRMS 0162	71.89	112.93	142.48	133.12	153.24	65.40	57.28	48.19	38.60	32.27	34.90	63.13

V3PR6 HYST - cy 0 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	87.06	165.80	205.38	197.39	215.79	71.47	56.48	49.06	40.96	34.65	38.59	83.49
CRMS0276 - Just east of Wilkinson Canal	31.74	35.42	50.15	60.36	76.58	40.81	16.12	13.95	13.99	9.71	12.45	14.19
Barataria Waterway at Lafitte (USACE82875)	43.68	53.25	70.32	81.40	99.45	56.61	40.05	37.33	31.99	30.11	25.33	32.75
USGS2928590900040000 Barataria Waterway South of Lafitte	70.68	147.58	184.82	176.89	194.31	54.64	45.55	39.46	29.36	28.61	15.07	61.63
USGS7380251 Barataria Bay North of Grand Isle	30.78	83.14	114.18	110.62	125.04	30.17	12.36	11.58	8.32	7.99	5.66	24.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	50.99	106.13	137.69	129.63	146.28	36.39	13.07	11.71	10.89	10.05	5.86	34.95
USGS 07380335 - Little Lake Near Cutoff	47.94	90.33	120.74	112.83	129.52	36.59	11.83	9.14	7.06	7.13	5.94	28.25
USGS073802516 Barataria Pass at Grand Isle	30.53	42.54	58.47	60.32	66.70	31.33	12.31	11.35	7.86	8.24	5.27	12.22
HWQ14 - Lake Washington	15.10	24.84	39.32	46.44	51.31	22.58	6.88	4.80	4.13	4.41	3.22	6.24
HWQ16 - Bayou Grand Liard	34.89	46.23	71.30	72.18	83.02	37.57	12.79	11.27	7.95	7.99	10.23	14.85
CRMS 3985	15.27	39.68	65.47	61.95	75.27	19.65	4.63	3.47	3.97	4.12	4.27	10.12
CRMS 0258	29.31	60.80	84.21	77.80	92.34	29.95	14.78	11.01	8.14	8.26	2.62	22.23
CRMS 0224	33.77	69.17	89.33	88.75	101.90	31.44	13.31	13.20	10.71	10.57	4.42	20.68
CRMS 0163	41.10	51.44	61.28	64.29	73.93	46.92	41.40	38.91	37.04	29.74	20.92	28.72
CRMS 0162	70.02	108.37	136.73	127.80	148.93	63.97	56.88	48.00	38.56	32.07	34.68	61.69

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	83.02	162.77	199.56	188.96	205.50	63.57	49.40	42.27	34.94	29.50	36.06	79.61
CRMS0276 - Just east of Wilkinson Canal	1.55	4.18	6.54	2.30	3.81	-1.26	0.19	0.71	0.36	-0.49	-0.28	-0.87
Barataria Waterway at Lafitte (USACE82875)	-2.52	-4.46	-4.98	-2.21	-2.47	-1.15	-0.35	-0.11	0.07	-0.19	0.06	-1.51
USGS2928590900040000 Barataria Waterway South of Lafitte	68.80	145.77	180.81	168.97	184.41	47.74	40.87	35.19	25.01	24.50	13.26	59.14
USGS7380251 Barataria Bay North of Grand Isle	22.59	77.74	107.61	102.01	116.83	23.33	6.48	4.83	0.93	1.28	1.06	19.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.43	101.34	127.08	116.10	133.89	28.21	6.20	4.52	4.62	4.52	1.68	31.94
USGS 07380335 - Little Lake Near Cutoff	36.09	82.64	103.91	91.34	108.85	25.53	4.06	2.60	2.09	1.52	0.22	24.11
USGS073802516 Barataria Pass at Grand Isle	21.70	36.41	44.65	41.51	45.82	17.46	2.56	2.01	1.84	1.31	0.40	8.27
HWQ14 - Lake Washington	7.94	21.08	32.21	38.43	44.26	16.98	2.71	0.85	-0.24	-0.53	-0.31	3.38
HWQ16 - Bayou Grand Liard	6.49	22.86	29.85	28.13	29.39	8.55	0.73	-0.99	0.42	-0.89	-0.28	3.09
CRMS 3985	1.46	29.72	58.81	55.57	69.87	15.21	1.16	-2.47	-3.52	-2.22	-2.37	2.44
CRMS 0258	19.40	45.63	63.36	51.43	58.46	8.90	3.14	4.29	2.25	2.52	1.47	13.56
CRMS 0224	29.49	65.52	80.24	74.25	85.75	20.34	6.53	6.75	4.29	4.20	2.17	19.20
CRMS 0163	-1.09	-2.72	-3.26	-1.79	-2.69	0.35	-0.21	-0.26	-0.23	-0.31	0.07	-1.03
CRMS 0162	-1.86	-4.57	-5.75	-5.32	-4.32	-1.43	-0.39	-0.19	-0.04	-0.20	-0.22	-1.44

Figure WQ TSS 22 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	2.36	3.47	5.94	8.02	6.64	6.66	7.00	6.20	5.32	3.85	3.57
CRMS0276 - Just east of Wilkinson Canal	15.48	18.32	15.19	29.48	33.35	22.90	9.23	7.87	8.47	10.75	16.16	13.93
Barataria Waterway at Lafitte (USACE82875)	37.72	33.52	25.28	45.61	55.61	41.85	27.16	25.87	26.06	34.46	31.64	29.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	1.71	2.92	5.74	7.28	6.57	6.18	7.10	6.13	4.89	2.61	2.96
USGS7380251 Barataria Bay North of Grand Isle	6.24	4.21	5.10	8.73	8.95	7.04	8.41	7.69	7.39	7.87	5.35	4.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.39	3.42	6.32	9.17	8.65	6.87	6.51	6.53	5.67	5.24	4.38	3.16
USGS 07380335 - Little Lake Near Cutoff	7.28	5.14	8.09	12.07	10.70	7.63	5.46	4.97	4.35	4.79	5.70	4.40
USGS073802516 Barataria Pass at Grand Isle	5.90	4.25	7.72	11.02	10.94	9.32	7.64	7.80	5.30	6.42	5.23	4.10
HWQ14 - Lake Washington	5.79	2.96	5.92	8.77	8.13	6.05	6.00	4.85	4.42	5.45	3.98	2.99
HWQ16 - Bayou Grand Liard	14.81	14.08	13.02	18.77	17.35	13.51	7.73	11.29	7.15	8.75	12.70	11.46
CRMS 3985	10.84	7.57	6.74	10.12	10.11	6.62	8.80	6.66	6.46	8.22	7.73	7.36
CRMS 0258	2.48	9.49	6.10	13.84	20.35	7.80	6.36	6.70	6.01	5.01	6.69	6.66
CRMS 0224	3.06	2.81	5.62	8.75	9.47	8.59	7.16	7.71	6.80	6.17	3.12	2.66
CRMS 0163	40.74	31.39	21.79	30.17	40.20	38.44	30.79	30.35	31.82	34.30	27.64	24.55
CRMS 0162	55.45	63.92	48.18	54.39	64.45	46.40	38.25	36.18	29.05	42.65	49.64	50.89

V3PR6 HYST - cy 0 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	58.18	84.40	71.26	61.79	85.72	47.60	38.30	36.39	33.02	41.34	49.46	48.02
CRMS0276 - Just east of Wilkinson Canal	14.75	19.10	15.49	30.11	32.45	23.16	10.44	8.22	8.44	10.69	15.17	13.36
Barataria Waterway at Lafitte (USACE82875)	37.24	31.55	24.53	45.05	53.94	41.54	26.90	25.60	26.08	34.28	31.61	29.58
USGS2928590900040000 Barataria Waterway South of Lafitte	30.98	66.51	49.39	38.04	69.27	31.66	34.91	31.86	25.03	29.98	19.00	19.79
USGS7380251 Barataria Bay North of Grand Isle	9.44	29.55	22.31	23.56	38.41	11.34	9.01	9.12	7.49	7.94	6.60	5.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.98	43.58	29.97	29.19	49.12	13.56	9.58	9.20	9.00	9.53	6.85	5.37
USGS 07380335 - Little Lake Near Cutoff	8.59	36.84	26.62	29.94	43.73	13.11	8.12	6.38	5.68	6.99	6.61	5.27
USGS073802516 Barataria Pass at Grand Isle	6.66	19.11	16.83	22.96	25.08	13.16	8.90	8.56	6.33	7.76	5.90	4.49
HWQ14 - Lake Washington	6.19	9.61	9.76	16.68	14.51	7.89	4.91	4.15	3.75	4.71	3.74	3.01
HWQ16 - Bayou Grand Liard	13.94	20.12	17.27	26.06	25.84	15.32	7.91	10.74	6.90	8.67	11.94	10.73
CRMS 3985	10.81	10.15	8.32	13.58	15.73	5.82	3.34	3.18	4.29	4.97	5.14	6.99
CRMS 0258	4.80	22.59	13.80	20.93	34.84	9.98	9.04	9.29	7.02	7.00	7.66	7.78
CRMS 0224	6.83	24.88	18.35	22.42	36.72	14.03	12.10	12.18	9.68	9.74	5.49	6.07
CRMS 0163	40.46	30.46	20.91	29.56	39.63	38.17	30.67	30.17	31.97	34.08	27.34	24.51
CRMS 0162	54.88	61.94	46.44	54.17	62.93	46.51	38.37	36.37	29.05	42.61	49.29	50.64

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.12	82.05	67.79	55.86	77.69	40.95	31.63	29.39	26.82	36.02	45.60	44.45
CRMS0276 - Just east of Wilkinson Canal	-0.73	0.78	0.30	0.64	-0.90	0.25	1.21	0.35	-0.03	-0.06	-0.99	-0.58
Barataria Waterway at Lafitte (USACE82875)	-0.47	-1.97	-0.75	-0.56	-1.67	-0.31	-0.25	-0.28	0.03	-0.18	-0.04	-0.24
USGS2928590900040000 Barataria Waterway South of Lafitte	29.55	64.80	46.47	32.30	61.99	25.09	28.73	24.76	18.91	25.09	16.39	16.83
USGS7380251 Barataria Bay North of Grand Isle	3.20	25.35	17.20	14.83	29.46	4.30	0.60	1.42	0.10	0.07	1.26	0.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.58	40.17	23.64	20.02	40.47	6.69	3.06	2.67	3.33	4.29	2.47	2.22
USGS 07380335 - Little Lake Near Cutoff	1.31	31.70	18.53	17.87	33.03	5.48	2.66	1.41	1.33	2.21	0.91	0.87
USGS073802516 Barataria Pass at Grand Isle	0.76	14.87	9.11	11.94	14.13	3.84	1.26	0.76	1.03	1.33	0.67	0.39
HWQ14 - Lake Washington	0.40	6.66	3.83	7.91	6.37	1.84	-1.09	-0.71	-0.66	-0.74	-0.24	0.02
HWQ16 - Bayou Grand Liard	-0.87	6.04	4.25	7.28	8.49	1.81	0.17	-0.55	-0.26	-0.08	-0.76	-0.74
CRMS 3985	-0.04	2.58	1.59	3.47	5.62	-0.80	-5.47	-3.48	-2.17	-3.25	-2.60	-0.37
CRMS 0258	2.31	13.10	7.70	7.09	14.49	2.18	2.68	2.59	1.01	1.99	0.98	1.13
CRMS 0224	3.77	22.07	12.73	13.68	27.24	5.43	4.94	4.47	2.88	3.58	2.37	3.41
CRMS 0163	-0.28	-0.92	-0.88	-0.61	-0.58	-0.27	-0.12	-0.18	0.15	-0.22	-0.30	-0.04
CRMS 0162	-0.57	-1.98	-1.74	-0.22	-1.52	0.11	0.12	0.19	0.00	-0.04	-0.36	-0.25

Figure WQ TSS 23 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.93	3.28	5.05	7.91	8.97	8.03	9.17	9.57	6.76	5.53	2.62	3.17
CRMS0276 - Just east of Wilkinson Canal	20.44	40.24	34.14	49.36	49.93	50.14	21.99	22.25	24.57	14.47	12.89	13.33
Barataria Waterway at Lafitte (USACE82875)	52.41	72.26	50.36	73.18	73.17	76.73	58.17	51.04	39.25	37.33	22.88	23.28
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	2.00	3.75	7.00	8.20	6.52	4.84	4.82	5.39	4.73	1.84	2.34
USGS7380251 Barataria Bay North of Grand Isle	7.16	5.87	5.69	8.26	7.49	7.31	11.64	8.54	7.62	6.23	3.97	3.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.23	5.46	9.29	11.59	10.31	7.54	7.81	8.99	7.40	6.27	4.08	2.55
USGS 07380335 - Little Lake Near Cutoff	7.83	9.52	14.51	17.95	15.26	10.01	7.05	10.56	7.60	7.54	5.61	3.91
USGS073802516 Barataria Pass at Grand Isle	5.94	7.43	12.14	15.35	15.12	12.45	9.34	12.88	8.11	8.29	4.98	3.44
HWQ14 - Lake Washington	5.45	3.93	6.59	7.40	6.53	5.39	7.50	5.87	4.52	4.56	3.08	2.34
HWQ16 - Bayou Grand Liard	20.79	32.18	31.68	34.56	30.67	32.51	20.13	19.00	13.22	9.00	10.62	10.77
CRMS 3985	12.90	10.80	5.51	6.35	4.97	6.98	16.46	5.80	7.38	5.57	5.22	6.20
CRMS 0258	10.65	16.93	15.83	23.30	27.39	29.55	26.36	24.44	10.74	7.15	1.50	2.59
CRMS 0224	2.74	4.40	8.18	12.03	11.82	10.23	6.82	7.44	8.54	7.91	2.65	1.13
CRMS 0163	52.94	67.71	41.51	54.41	52.73	60.33	55.83	49.81	43.31	35.83	17.66	19.36
CRMS 0162	97.59	136.98	90.88	109.93	104.98	102.40	90.66	70.20	51.02	44.40	28.08	40.78

V3PR6 HYST - cy 0 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	139.87	195.33	137.99	160.32	153.34	139.15	117.84	79.02	51.09	43.68	32.51	41.60
CRMS0276 - Just east of Wilkinson Canal	33.76	45.66	33.57	51.95	50.33	52.82	42.48	34.25	24.60	14.45	12.67	12.13
Barataria Waterway at Lafitte (USACE82875)	48.08	67.75	46.57	70.20	69.92	73.29	54.69	48.71	38.80	36.90	21.94	22.77
USGS2928590900040000 Barataria Waterway South of Lafitte	124.71	175.36	122.26	141.71	135.76	124.09	104.97	61.43	32.55	31.74	13.55	17.17
USGS7380251 Barataria Bay North of Grand Isle	60.36	105.36	67.40	87.25	83.16	75.26	61.25	37.70	11.44	9.28	5.38	4.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	82.56	129.66	86.25	104.14	96.88	91.75	76.71	43.73	13.78	11.60	5.91	4.18
USGS 07380335 - Little Lake Near Cutoff	69.24	112.55	74.90	91.84	83.45	80.84	66.59	39.61	11.64	9.37	5.95	3.96
USGS073802516 Barataria Pass at Grand Isle	35.46	55.41	37.85	50.56	43.84	44.48	36.12	29.48	12.21	9.84	5.43	3.45
HWQ14 - Lake Washington	18.19	34.94	23.42	36.92	31.61	32.75	20.69	14.24	6.20	5.62	3.30	2.35
HWQ16 - Bayou Grand Liard	33.96	61.76	45.09	59.88	51.29	51.57	35.24	25.00	14.79	8.87	10.02	8.93
CRMS 3985	23.97	55.83	31.63	46.38	46.69	42.96	29.27	16.21	5.09	3.62	3.69	5.87
CRMS 0258	51.19	77.50	48.84	61.97	60.85	66.00	61.08	40.65	12.26	8.95	2.50	4.39
CRMS 0224	55.29	90.09	49.49	67.94	67.69	68.72	59.31	36.50	13.31	11.98	4.63	4.89
CRMS 0163	50.41	65.16	39.34	52.86	52.42	59.66	54.09	49.31	43.36	36.01	17.46	19.33
CRMS 0162	93.81	132.26	85.46	105.55	100.46	99.10	88.07	69.14	50.65	44.39	28.00	40.50

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	135.95	192.05	132.94	152.41	144.36	131.12	108.67	69.46	44.33	38.15	29.89	38.43
CRMS0276 - Just east of Wilkinson Canal	13.33	5.42	-0.58	2.59	0.39	2.68	20.48	12.00	0.03	-0.02	-0.22	-1.21
Barataria Waterway at Lafitte (USACE82875)	-4.33	-4.51	-3.79	-2.98	-3.24	-3.43	-3.48	-2.33	-0.45	-0.43	-0.94	-0.51
USGS2928590900040000 Barataria Waterway South of Lafitte	123.28	173.36	118.51	134.72	127.56	117.57	100.14	56.61	27.16	27.01	11.70	14.83
USGS7380251 Barataria Bay North of Grand Isle	53.20	99.50	61.71	78.99	75.68	67.95	49.62	29.16	3.82	3.04	1.41	0.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	77.32	124.20	76.96	92.54	86.57	84.21	68.91	34.74	6.38	5.33	1.83	1.63
USGS 07380335 - Little Lake Near Cutoff	61.41	103.04	60.40	73.89	68.18	70.82	59.54	29.05	4.04	1.83	0.34	0.05
USGS073802516 Barataria Pass at Grand Isle	29.52	47.98	25.71	35.20	28.72	32.03	26.77	16.60	4.10	1.55	0.44	0.01
HWQ14 - Lake Washington	12.75	31.01	16.82	29.52	25.09	27.36	13.19	8.37	1.68	1.06	0.22	0.01
HWQ16 - Bayou Grand Liard	13.18	29.58	13.41	25.32	20.63	19.06	15.11	6.00	1.57	-0.13	-0.60	-1.84
CRMS 3985	11.07	45.04	26.12	40.03	41.73	35.99	12.81	10.41	-2.28	-1.94	-1.53	-0.32
CRMS 0258	40.54	60.57	33.01	38.67	33.46	36.45	34.72	16.21	1.52	1.79	1.00	1.80
CRMS 0224	52.55	85.68	41.31	55.92	55.87	58.49	52.49	29.06	4.77	4.08	1.98	3.77
CRMS 0163	-2.53	-2.55	-2.17	-1.55	-0.32	-0.67	-1.75	-0.50	0.05	0.18	-0.20	-0.03
CRMS 0162	-3.77	-4.72	-5.42	-4.37	-4.52	-3.31	-2.59	-1.06	-0.37	-0.01	-0.08	-0.28

Figure WQ TSS 24 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.89	1.01	4.59	8.01	10.04	8.44	8.91	9.18	6.37	5.52	2.55	4.28
CRMS0276 - Just east of Wilkinson Canal	33.23	9.73	25.68	54.25	76.35	70.18	28.84	20.58	21.48	12.57	11.84	24.40
Barataria Waterway at Lafitte (USACE82875)	47.78	16.09	49.11	76.64	108.68	100.34	61.16	46.02	36.73	34.00	22.72	50.98
USGS2928590900040000 Barataria Waterway South of Lafitte	1.79	0.72	2.96	7.38	9.52	7.42	4.92	4.59	4.78	4.51	1.74	3.03
USGS7380251 Barataria Bay North of Grand Isle	7.79	3.17	6.07	9.11	8.27	7.48	7.25	7.02	7.44	7.13	4.23	5.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.73	3.51	7.40	13.11	12.12	9.09	7.79	8.64	6.67	6.02	4.16	3.26
USGS 07380335 - Little Lake Near Cutoff	14.73	4.69	10.13	20.32	20.24	14.02	10.51	10.30	6.53	6.57	5.68	5.10
USGS073802516 Barataria Pass at Grand Isle	10.26	3.97	9.20	17.40	19.88	17.90	12.96	12.59	6.77	7.65	4.81	4.62
HWQ14 - Lake Washington	7.08	2.85	6.29	8.63	7.04	5.77	4.40	4.26	4.23	5.14	3.42	2.83
HWQ16 - Bayou Grand Liard	34.08	8.13	23.95	40.07	53.33	54.19	28.88	17.84	11.21	8.53	10.00	18.10
CRMS 3985	12.82	5.55	9.51	7.70	5.61	5.20	3.43	3.19	7.80	7.12	5.63	9.34
CRMS 0258	4.45	0.82	15.69	24.40	34.72	36.25	27.13	21.06	7.03	6.78	1.91	13.14
CRMS 0224	5.02	2.05	5.97	13.47	15.47	13.29	7.98	7.50	7.84	7.36	2.29	2.00
CRMS 0163	41.53	16.32	45.17	58.10	87.23	81.82	56.94	45.91	41.84	32.99	17.95	47.73
CRMS 0162	59.00	33.05	104.74	116.06	175.44	155.12	94.72	61.65	47.06	37.40	30.31	104.15

V3PR6 HYST - cy 0 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	55.87	36.16	161.41	173.64	247.07	208.12	120.88	60.64	47.99	37.17	37.71	153.37
CRMS0276 - Just east of Wilkinson Canal	38.01	9.17	31.00	55.58	77.07	74.74	45.44	25.36	21.72	12.42	11.42	30.10
Barataria Waterway at Lafitte (USACE82875)	46.26	15.93	45.30	74.07	105.95	99.13	57.69	45.29	36.80	33.82	22.81	47.39
USGS2928590900040000 Barataria Waterway South of Lafitte	36.18	13.20	142.38	155.01	221.53	187.58	107.45	43.66	31.37	29.50	18.05	136.47
USGS7380251 Barataria Bay North of Grand Isle	25.11	4.19	78.62	95.41	139.66	118.44	62.90	18.92	10.21	8.77	6.45	74.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	37.76	5.01	99.79	112.79	163.50	142.19	79.12	22.30	12.36	10.82	6.13	96.57
USGS 07380335 - Little Lake Near Cutoff	44.89	5.54	84.82	98.25	142.53	126.32	69.14	22.19	9.91	8.61	5.64	80.89
USGS073802516 Barataria Pass at Grand Isle	33.62	4.59	37.03	53.47	69.01	63.75	38.95	22.90	10.68	9.27	5.05	36.68
HWQ14 - Lake Washington	21.02	3.30	21.26	40.70	51.75	48.81	24.74	11.27	5.36	5.08	3.12	17.86
HWQ16 - Bayou Grand Liard	43.74	8.01	42.56	64.62	86.38	78.63	39.97	19.82	12.45	8.49	9.76	36.81
CRMS 3985	19.83	5.71	40.56	52.08	81.92	74.78	33.29	7.87	4.29	3.74	3.85	33.92
CRMS 0258	19.64	1.52	56.84	66.78	99.94	93.73	61.68	24.43	8.32	8.37	2.97	54.66
CRMS 0224	29.82	3.34	55.91	73.95	112.42	102.55	61.11	20.30	11.72	11.35	4.26	57.90
CRMS 0163	41.35	16.18	42.13	55.55	84.88	80.62	55.06	45.92	41.51	32.49	17.92	45.43
CRMS 0162	58.36	32.72	99.08	110.78	169.59	151.41	91.88	60.90	46.60	36.88	29.87	100.19

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	52.98	35.15	156.82	165.63	237.03	199.68	111.97	51.46	41.62	31.65	35.15	149.09
CRMS0276 - Just east of Wilkinson Canal	4.78	-0.55	5.32	1.32	0.71	4.56	16.60	4.77	0.24	-0.15	-0.42	5.70
Barataria Waterway at Lafitte (USACE82875)	-1.52	-0.16	-3.82	-2.56	-2.73	-1.22	-3.46	-0.73	0.07	-0.18	0.09	-3.59
USGS2928590900040000 Barataria Waterway South of Lafitte	34.40	12.49	139.43	147.63	212.01	180.16	102.53	39.07	26.59	24.99	16.31	133.44
USGS7380251 Barataria Bay North of Grand Isle	17.31	1.02	72.55	86.29	131.39	110.96	55.65	11.91	2.77	1.64	2.21	69.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.02	1.50	92.38	99.68	151.38	133.10	71.33	13.66	5.69	4.80	1.97	93.30
USGS 07380335 - Little Lake Near Cutoff	30.15	0.85	74.68	77.93	122.29	112.30	58.63	11.89	3.37	2.04	-0.04	75.79
USGS073802516 Barataria Pass at Grand Isle	23.36	0.62	27.83	36.07	49.13	45.85	25.99	10.31	3.90	1.62	0.25	32.05
HWQ14 - Lake Washington	13.94	0.45	14.97	32.06	44.71	43.04	20.35	7.01	1.13	-0.06	-0.30	15.03
HWQ16 - Bayou Grand Liard	9.66	-0.12	18.62	24.55	33.05	24.44	11.09	1.98	1.24	-0.04	-0.24	18.70
CRMS 3985	7.01	0.16	31.05	44.38	76.31	69.57	29.87	4.68	-3.51	-3.38	-1.78	24.59
CRMS 0258	15.19	0.70	41.15	42.39	65.22	57.49	34.54	3.37	1.29	1.59	1.06	41.52
CRMS 0224	24.80	1.29	49.95	60.48	96.95	89.25	53.13	12.80	3.88	3.99	1.97	55.90
CRMS 0163	-0.18	-0.14	-3.04	-2.55	-2.35	-1.20	-1.88	0.01	-0.33	-0.50	-0.02	-2.30
CRMS 0162	-0.64	-0.33	-5.66	-5.28	-5.85	-3.70	-2.85	-0.76	-0.45	-0.52	-0.44	-3.96

Figure WQ TSS 25 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.59	1.76	4.41	7.24	9.08	8.11	7.56	7.22	6.44	5.42	3.08	3.58
CRMS0276 - Just east of Wilkinson Canal	17.33	12.99	19.37	34.79	57.81	41.17	15.54	9.85	12.22	12.87	15.69	12.41
Barataria Waterway at Lafitte (USACE82875)	46.06	22.79	32.88	56.18	84.23	63.43	37.28	29.06	29.91	38.07	30.22	23.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.57	1.21	3.14	6.15	8.54	7.06	5.28	5.37	5.22	4.68	2.14	2.57
USGS7380251 Barataria Bay North of Grand Isle	7.10	3.67	5.43	9.03	7.89	7.29	10.28	7.94	7.59	7.56	5.26	4.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.05	3.54	6.76	9.96	10.31	7.37	7.28	7.21	6.23	5.45	4.47	2.97
USGS 07380335 - Little Lake Near Cutoff	7.02	4.87	8.90	13.76	16.04	9.33	6.39	5.88	4.79	5.44	5.69	4.05
USGS073802516 Barataria Pass at Grand Isle	5.50	4.07	8.23	12.20	15.88	11.78	8.70	8.90	6.12	6.94	5.43	3.81
HWQ14 - Lake Washington	5.56	3.03	6.15	8.46	6.81	5.59	6.93	5.36	4.86	5.03	4.01	2.83
HWQ16 - Bayou Grand Liard	17.51	9.91	16.63	22.60	37.17	27.28	12.56	11.48	7.54	9.22	12.17	10.10
CRMS 3985	13.20	6.49	7.11	9.20	5.89	6.93	12.56	7.06	6.75	8.01	7.59	6.45
CRMS 0258	7.96	7.19	12.77	20.02	29.32	27.62	12.73	7.56	6.61	7.64	2.91	1.01
CRMS 0224	2.76	2.59	5.89	9.50	13.02	11.16	7.67	7.81	7.39	6.84	3.22	2.07
CRMS 0163	46.22	22.57	27.93	40.32	58.36	50.85	36.86	33.72	34.34	37.50	25.62	18.88
CRMS 0162	82.33	48.84	63.14	83.32	121.85	78.69	49.95	40.70	34.11	49.83	44.59	38.19

V3PR7 HYST - cy 0 - 1970 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	96.01	69.77	99.85	128.50	175.04	103.91	48.99	41.90	36.70	47.39	45.79	39.25
CRMS0276 - Just east of Wilkinson Canal	26.41	11.64	20.60	37.07	60.56	42.64	20.80	11.91	12.33	12.57	15.06	11.05
Barataria Waterway at Lafitte (USACE82875)	43.69	21.62	31.17	53.86	81.71	60.51	36.72	28.95	29.73	38.01	30.13	23.27
USGS2928590900040000 Barataria Waterway South of Lafitte	70.40	49.61	82.41	107.74	151.21	88.03	40.99	32.22	24.42	29.93	16.31	13.55
USGS7380251 Barataria Bay North of Grand Isle	28.50	16.91	39.72	63.33	98.47	54.56	17.83	11.45	8.29	8.60	6.37	4.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.36	29.70	55.08	77.96	116.19	65.56	22.76	10.95	10.23	10.44	6.82	4.71
USGS 07380335 - Little Lake Near Cutoff	39.14	23.57	46.74	66.21	101.55	57.80	21.95	8.42	6.57	7.52	6.66	4.67
USGS073802516 Barataria Pass at Grand Isle	19.79	10.14	22.82	37.58	51.44	34.42	18.89	10.69	7.41	8.46	5.98	4.04
HWQ14 - Lake Washington	10.78	5.71	11.85	25.51	38.90	24.26	10.49	5.43	4.22	4.68	3.69	2.76
HWQ16 - Bayou Grand Liard	20.82	12.25	23.87	40.30	62.84	39.08	16.26	10.10	7.64	8.37	11.42	9.26
CRMS 3985	14.31	6.73	13.35	29.68	57.46	28.33	7.24	3.72	4.32	4.95	4.82	6.07
CRMS 0258	28.44	14.99	28.00	41.44	70.66	50.31	18.13	9.46	7.08	9.39	3.70	3.31
CRMS 0224	30.65	15.63	27.87	46.85	77.93	50.59	21.99	13.33	10.81	10.81	5.49	5.58
CRMS 0163	45.34	22.01	27.34	39.47	58.01	51.53	37.12	33.98	34.76	37.81	25.70	18.80
CRMS 0162	81.07	47.63	60.68	80.11	117.85	77.48	51.10	41.87	34.50	50.13	44.67	38.11

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	92.42	68.01	95.44	121.26	165.95	95.79	41.43	34.68	30.26	41.96	42.70	35.67
CRMS0276 - Just east of Wilkinson Canal	9.08	-1.35	1.24	2.28	2.75	1.46	5.26	2.05	0.11	-0.30	-0.63	-1.36
Barataria Waterway at Lafitte (USACE82875)	-2.37	-1.18	-1.71	-2.31	-2.51	-2.92	-0.57	-0.11	-0.18	-0.06	-0.09	-0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	68.82	48.40	79.26	101.59	142.67	80.97	35.71	26.85	19.20	25.26	14.17	10.98
USGS7380251 Barataria Bay North of Grand Isle	21.40	13.24	34.29	54.30	90.58	47.27	7.54	3.52	0.69	1.05	1.11	0.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	38.31	26.16	48.32	68.00	105.89	58.19	15.48	3.74	4.01	4.99	2.35	1.73
USGS 07380335 - Little Lake Near Cutoff	32.12	18.70	37.84	52.46	85.51	48.47	15.56	2.54	1.78	2.09	0.97	0.63
USGS073802516 Barataria Pass at Grand Isle	14.28	6.07	14.59	25.38	35.56	22.64	10.18	1.79	1.29	1.52	0.55	0.23
HWQ14 - Lake Washington	5.22	2.68	5.70	17.06	32.09	18.67	3.57	0.07	-0.64	-0.35	-0.32	-0.06
HWQ16 - Bayou Grand Liard	3.30	2.34	7.24	17.70	25.67	11.81	3.70	-1.37	0.10	-0.85	-0.74	-0.84
CRMS 3985	1.11	0.24	6.24	20.48	51.57	21.40	-5.33	-3.34	-2.44	-3.06	-2.77	-0.38
CRMS 0258	20.49	7.81	15.24	21.42	41.33	22.69	5.40	1.90	0.46	1.75	0.79	2.30
CRMS 0224	27.89	13.04	21.98	37.34	64.91	39.43	14.32	5.52	3.42	3.97	2.27	3.52
CRMS 0163	-0.88	-0.57	-0.58	-0.86	-0.35	0.68	0.27	0.26	0.42	0.31	0.08	-0.08
CRMS 0162	-1.26	-1.21	-2.46	-3.20	-4.00	-1.21	1.15	1.17	0.39	0.30	0.09	-0.09

Figure WQ TSS 26 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.04	3.04	5.83	8.43	10.29	7.90	7.08	6.78	6.02	5.15	2.53	3.87
CRMS0276 - Just east of Wilkinson Canal	30.20	31.25	43.61	58.07	72.77	42.07	15.92	13.24	13.63	10.20	12.73	15.05
Barataria Waterway at Lafitte (USACE82875)	46.20	57.71	75.30	83.61	101.92	57.76	40.40	37.44	31.92	30.29	25.26	34.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.80	4.01	7.92	9.90	6.90	4.68	4.27	4.34	4.10	1.81	2.50
USGS7380251 Barataria Bay North of Grand Isle	8.19	5.40	6.57	8.62	8.21	6.84	5.89	6.75	7.38	6.71	4.60	4.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.56	4.79	10.60	13.54	12.39	8.18	6.87	7.19	6.27	5.53	4.17	3.01
USGS 07380335 - Little Lake Near Cutoff	11.84	7.69	16.82	21.49	20.67	11.06	7.77	6.54	4.97	5.61	5.72	4.14
USGS073802516 Barataria Pass at Grand Isle	8.83	6.14	13.83	18.81	20.88	13.87	9.75	9.33	6.02	6.93	4.88	3.95
HWQ14 - Lake Washington	7.16	3.76	7.11	8.02	7.04	5.60	4.17	3.95	4.37	4.94	3.54	2.87
HWQ16 - Bayou Grand Liard	28.40	23.37	41.45	44.05	53.64	29.02	12.06	12.26	7.53	8.88	10.51	11.76
CRMS 3985	13.81	9.97	6.66	6.39	5.41	4.44	3.47	5.94	7.49	6.35	6.64	7.67
CRMS 0258	9.91	15.17	20.85	26.37	33.88	21.05	11.65	6.72	5.89	5.74	1.15	8.67
CRMS 0224	4.29	3.65	9.09	14.50	16.16	11.10	6.78	6.45	6.41	6.37	2.25	1.48
CRMS 0163	42.19	54.16	64.54	66.08	76.61	46.56	41.60	39.17	37.27	30.06	20.85	29.74
CRMS 0162	71.89	112.93	142.48	133.12	153.24	65.40	57.28	48.19	38.60	32.27	34.90	63.13

V3PR7 HYST - cy 0 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	87.13	165.80	205.38	197.38	215.78	71.59	56.63	49.10	40.94	34.66	38.68	83.46
CRMS0276 - Just east of Wilkinson Canal	31.77	35.53	49.88	59.80	76.86	40.55	16.11	13.95	13.81	9.84	12.46	14.06
Barataria Waterway at Lafitte (USACE82875)	43.72	53.20	70.47	81.36	99.62	56.64	40.10	37.42	31.97	30.05	25.31	32.76
USGS2928590900040000 Barataria Waterway South of Lafitte	67.47	142.15	178.64	170.88	188.02	52.19	42.36	37.03	26.47	27.17	13.98	58.07
USGS7380251 Barataria Bay North of Grand Isle	31.52	84.16	115.50	111.89	126.20	30.36	12.59	11.84	8.52	8.07	5.71	25.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	51.51	106.61	138.28	130.48	146.84	36.58	13.21	11.86	11.00	10.15	5.89	35.37
USGS 07380335 - Little Lake Near Cutoff	48.10	90.51	121.14	113.23	129.71	36.67	11.87	9.16	7.07	7.19	5.86	28.43
USGS073802516 Barataria Pass at Grand Isle	30.75	42.67	58.65	60.31	66.93	31.34	12.34	11.32	7.83	8.26	5.25	12.36
HWQ14 - Lake Washington	15.37	25.24	39.91	46.62	52.01	22.79	6.93	4.84	4.16	4.46	3.23	6.40
HWQ16 - Bayou Grand Liard	34.95	46.11	71.28	72.25	82.95	37.32	12.72	11.29	7.96	7.85	10.16	14.95
CRMS 3985	15.63	40.92	67.02	63.45	76.53	19.84	4.64	3.53	4.01	4.19	4.52	10.35
CRMS 0258	28.61	58.79	81.62	75.57	90.06	29.72	14.67	10.73	7.83	8.01	2.47	21.62
CRMS 0224	33.52	67.60	88.12	87.32	101.06	31.04	13.35	13.18	10.61	10.49	4.33	20.39
CRMS 0163	41.20	51.50	61.37	63.13	74.06	46.72	41.58	39.11	37.25	29.91	20.83	28.83
CRMS 0162	70.04	108.42	136.89	128.53	148.89	64.16	57.16	48.20	38.77	32.16	34.94	61.76

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	83.09	162.76	199.56	188.95	205.49	63.69	49.55	42.32	34.92	29.51	36.15	79.58
CRMS0276 - Just east of Wilkinson Canal	1.58	4.28	6.27	1.74	4.09	-1.52	0.18	0.71	0.18	-0.36	-0.26	-1.00
Barataria Waterway at Lafitte (USACE82875)	-2.49	-4.50	-4.83	-2.25	-2.30	-1.12	-0.30	-0.02	0.04	-0.25	0.05	-1.49
USGS2928590900040000 Barataria Waterway South of Lafitte	65.60	140.34	174.63	162.96	178.12	45.29	37.69	32.76	22.12	23.07	12.17	55.58
USGS7380251 Barataria Bay North of Grand Isle	23.32	78.76	108.93	103.28	117.99	23.52	6.70	5.09	1.14	1.36	1.11	20.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.95	101.82	127.68	116.95	134.45	28.40	6.34	4.67	4.73	4.62	1.71	32.36
USGS 07380335 - Little Lake Near Cutoff	36.26	82.83	104.32	91.74	109.04	25.62	4.10	2.62	2.10	1.58	0.14	24.29
USGS073802516 Barataria Pass at Grand Isle	21.93	36.54	44.83	41.50	46.05	17.47	2.59	1.98	1.82	1.32	0.37	8.40
HWQ14 - Lake Washington	8.21	21.47	32.81	38.60	44.96	17.19	2.76	0.89	-0.21	-0.49	-0.31	3.53
HWQ16 - Bayou Grand Liard	6.55	22.73	29.83	28.20	29.32	8.30	0.65	-0.97	0.43	-1.02	-0.35	3.19
CRMS 3985	1.82	30.95	60.36	57.07	71.13	15.41	1.17	-2.41	-3.48	-2.16	-2.12	2.68
CRMS 0258	18.70	43.62	60.76	49.19	56.19	8.67	3.02	4.01	1.94	2.26	1.32	12.95
CRMS 0224	29.23	63.94	79.02	72.81	84.90	19.94	6.56	6.73	4.19	4.12	2.08	18.91
CRMS 0163	-0.99	-2.66	-3.17	-2.94	-2.55	0.16	-0.02	-0.06	-0.03	-0.14	-0.02	-0.92
CRMS 0162	-1.85	-4.51	-5.59	-4.59	-4.35	-1.24	-0.12	0.01	0.17	-0.11	0.04	-1.37

Figure WQ TSS 27 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	2.36	3.47	5.94	8.02	6.64	6.66	7.00	6.20	5.32	3.85	3.57
CRMS0276 - Just east of Wilkinson Canal	15.48	18.32	15.19	29.48	33.35	22.90	9.23	7.87	8.47	10.75	16.16	13.93
Barataria Waterway at Lafitte (USACE82875)	37.72	33.52	25.28	45.61	55.61	41.85	27.16	25.87	26.06	34.46	31.64	29.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	1.71	2.92	5.74	7.28	6.57	6.18	7.10	6.13	4.89	2.61	2.96
USGS7380251 Barataria Bay North of Grand Isle	6.24	4.21	5.10	8.73	8.95	7.04	8.41	7.69	7.39	7.87	5.35	4.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.39	3.42	6.32	9.17	8.65	6.87	6.51	6.53	5.67	5.24	4.38	3.16
USGS 07380335 - Little Lake Near Cutoff	7.28	5.14	8.09	12.07	10.70	7.63	5.46	4.97	4.35	4.79	5.70	4.40
USGS073802516 Barataria Pass at Grand Isle	5.90	4.25	7.72	11.02	10.94	9.32	7.64	7.80	5.30	6.42	5.23	4.10
HWQ14 - Lake Washington	5.79	2.96	5.92	8.77	8.13	6.05	6.00	4.85	4.42	5.45	3.98	2.99
HWQ16 - Bayou Grand Liard	14.81	14.08	13.02	18.77	17.35	13.51	7.73	11.29	7.15	8.75	12.70	11.46
CRMS 3985	10.84	7.57	6.74	10.12	10.11	6.62	8.80	6.66	6.46	8.22	7.73	7.36
CRMS 0258	2.48	9.49	6.10	13.84	20.35	7.80	6.36	6.70	6.01	5.01	6.69	6.66
CRMS 0224	3.06	2.81	5.62	8.75	9.47	8.59	7.16	7.71	6.80	6.17	3.12	2.66
CRMS 0163	40.74	31.39	21.79	30.17	40.20	38.44	30.79	30.35	31.82	34.30	27.64	24.55
CRMS 0162	55.45	63.92	48.18	54.39	64.45	46.40	38.25	36.18	29.05	42.65	49.64	50.89

V3PR7 HYST - cy 0 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	58.34	84.45	71.25	61.85	85.77	47.60	38.43	36.39	32.99	41.43	49.50	48.13
CRMS0276 - Just east of Wilkinson Canal	15.18	19.05	15.42	30.38	32.32	23.13	10.33	8.16	8.47	10.65	15.12	13.23
Barataria Waterway at Lafitte (USACE82875)	37.27	31.50	24.49	45.19	53.94	41.70	27.07	26.01	26.19	34.46	31.62	29.59
USGS2928590900040000 Barataria Waterway South of Lafitte	27.99	63.10	46.26	35.88	66.38	28.99	32.75	30.08	22.67	27.83	17.26	16.77
USGS7380251 Barataria Bay North of Grand Isle	9.52	30.13	22.83	23.86	38.89	11.60	9.24	9.37	7.66	8.08	6.59	5.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.16	43.87	30.03	29.15	49.47	13.73	9.76	9.35	9.17	9.75	6.89	5.46
USGS 07380335 - Little Lake Near Cutoff	8.78	36.98	26.56	29.85	43.91	13.22	8.13	6.27	5.85	6.97	6.61	5.29
USGS073802516 Barataria Pass at Grand Isle	6.79	19.16	16.85	23.01	25.34	13.26	8.89	8.53	6.35	7.84	5.93	4.53
HWQ14 - Lake Washington	6.21	9.79	9.87	16.87	14.83	8.05	4.97	4.21	3.87	4.80	3.77	3.07
HWQ16 - Bayou Grand Liard	14.61	19.92	17.11	26.10	25.69	15.01	7.68	10.64	6.78	8.27	11.57	10.61
CRMS 3985	10.80	10.47	8.72	13.88	16.03	5.94	3.36	3.27	4.50	4.96	5.59	7.05
CRMS 0258	4.71	21.90	13.23	20.77	34.31	10.04	9.06	9.32	7.05	6.97	7.67	7.70
CRMS 0224	6.87	24.53	18.04	22.36	36.44	14.21	12.24	12.36	9.89	9.83	5.49	6.14
CRMS 0163	40.56	30.46	21.33	29.95	40.20	38.82	31.27	30.94	32.45	34.44	27.53	24.55
CRMS 0162	54.94	62.01	46.04	54.25	62.68	46.82	38.64	36.60	29.39	42.85	49.38	50.73

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.29	82.10	67.77	55.91	77.74	40.96	31.76	29.39	26.79	36.11	45.64	44.56
CRMS0276 - Just east of Wilkinson Canal	-0.30	0.73	0.23	0.91	-1.03	0.22	1.11	0.29	0.01	-0.11	-1.04	-0.70
Barataria Waterway at Lafitte (USACE82875)	-0.45	-2.02	-0.79	-0.42	-1.67	-0.15	-0.09	0.14	0.13	0.01	-0.03	-0.22
USGS2928590900040000 Barataria Waterway South of Lafitte	26.55	61.39	43.33	30.14	59.09	22.41	26.56	22.98	16.54	22.94	14.65	13.81
USGS7380251 Barataria Bay North of Grand Isle	3.28	25.93	17.73	15.13	29.94	4.56	0.84	1.68	0.27	0.21	1.24	0.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.76	40.45	23.71	19.98	40.83	6.86	3.24	2.83	3.51	4.51	2.51	2.30
USGS 07380335 - Little Lake Near Cutoff	1.50	31.84	18.46	17.78	33.21	5.59	2.67	1.30	1.50	2.18	0.91	0.89
USGS073802516 Barataria Pass at Grand Isle	0.89	14.92	9.13	11.99	14.40	3.94	1.25	0.74	1.06	1.42	0.69	0.43
HWQ14 - Lake Washington	0.42	6.83	3.95	8.10	6.70	2.00	-1.02	-0.65	-0.55	-0.65	-0.21	0.08
HWQ16 - Bayou Grand Liard	-0.20	5.84	4.08	7.33	8.34	1.50	-0.06	-0.64	-0.38	-0.48	-1.12	-0.85
CRMS 3985	-0.04	2.90	1.98	3.77	5.92	-0.68	-5.44	-3.38	-1.95	-3.26	-2.14	-0.31
CRMS 0258	2.23	12.41	7.13	6.94	13.96	2.24	2.71	2.63	1.04	1.96	0.98	1.04
CRMS 0224	3.81	21.72	12.42	13.62	26.97	5.61	5.08	4.65	3.09	3.67	2.37	3.48
CRMS 0163	-0.18	-0.93	-0.46	-0.22	0.00	0.38	0.48	0.59	0.64	0.13	-0.11	0.00
CRMS 0162	-0.52	-1.91	-2.14	-0.14	-1.77	0.42	0.39	0.42	0.33	0.20	-0.27	-0.17

Figure WQ TSS 28 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.93	3.28	5.05	7.91	8.97	8.03	9.17	9.57	6.76	5.53	2.62	3.17
CRMS0276 - Just east of Wilkinson Canal	20.44	40.24	34.14	49.36	49.93	50.14	21.99	22.25	24.57	14.47	12.89	13.33
Barataria Waterway at Lafitte (USACE82875)	52.41	72.26	50.36	73.18	73.17	76.73	58.17	51.04	39.25	37.33	22.88	23.28
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	2.00	3.75	7.00	8.20	6.52	4.84	4.82	5.39	4.73	1.84	2.34
USGS7380251 Barataria Bay North of Grand Isle	7.16	5.87	5.69	8.26	7.49	7.31	11.64	8.54	7.62	6.23	3.97	3.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.23	5.46	9.29	11.59	10.31	7.54	7.81	8.99	7.40	6.27	4.08	2.55
USGS 07380335 - Little Lake Near Cutoff	7.83	9.52	14.51	17.95	15.26	10.01	7.05	10.56	7.60	7.54	5.61	3.91
USGS073802516 Barataria Pass at Grand Isle	5.94	7.43	12.14	15.35	15.12	12.45	9.34	12.88	8.11	8.29	4.98	3.44
HWQ14 - Lake Washington	5.45	3.93	6.59	7.40	6.53	5.39	7.50	5.87	4.52	4.56	3.08	2.34
HWQ16 - Bayou Grand Liard	20.79	32.18	31.68	34.56	30.67	32.51	20.13	19.00	13.22	9.00	10.62	10.77
CRMS 3985	12.90	10.80	5.51	6.35	4.97	6.98	16.46	5.80	7.38	5.57	5.22	6.20
CRMS 0258	10.65	16.93	15.83	23.30	27.39	29.55	26.36	24.44	10.74	7.15	1.50	2.59
CRMS 0224	2.74	4.40	8.18	12.03	11.82	10.23	6.82	7.44	8.54	7.91	2.65	1.13
CRMS 0163	52.94	67.71	41.51	54.41	52.73	60.33	55.83	49.81	43.31	35.83	17.66	19.36
CRMS 0162	97.59	136.98	90.88	109.93	104.98	102.40	90.66	70.20	51.02	44.40	28.08	40.78

V3PR7 HYST - cy 0 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	139.90	195.33	138.00	160.31	153.30	139.14	117.85	79.00	50.96	43.67	32.54	41.66
CRMS0276 - Just east of Wilkinson Canal	33.83	45.37	33.68	51.75	50.09	52.79	42.40	34.31	24.43	14.31	12.60	12.07
Barataria Waterway at Lafitte (USACE82875)	48.05	67.57	46.48	70.68	70.40	73.71	54.71	48.81	39.19	37.19	22.74	23.09
USGS2928590900040000 Barataria Waterway South of Lafitte	119.98	169.41	117.54	136.69	130.76	119.96	101.52	58.92	29.15	29.68	12.65	14.68
USGS7380251 Barataria Bay North of Grand Isle	61.59	106.62	68.48	88.17	83.76	76.04	61.93	38.05	11.39	9.34	5.38	4.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	83.14	130.27	86.75	104.74	97.43	92.35	77.14	44.00	13.85	11.68	5.97	4.20
USGS 07380335 - Little Lake Near Cutoff	69.43	112.79	75.14	92.07	83.69	80.98	66.81	39.81	11.66	9.41	5.96	3.95
USGS073802516 Barataria Pass at Grand Isle	35.54	55.37	37.70	50.58	44.02	44.66	36.11	29.59	12.23	9.86	5.42	3.41
HWQ14 - Lake Washington	18.52	35.80	23.84	37.32	32.16	33.08	21.13	14.51	6.22	5.62	3.30	2.33
HWQ16 - Bayou Grand Liard	34.01	61.63	45.02	60.05	51.27	51.59	35.20	25.09	14.86	8.96	9.98	8.90
CRMS 3985	24.91	57.12	32.76	47.52	47.41	44.09	30.28	16.62	5.10	3.57	3.71	5.88
CRMS 0258	49.57	74.96	47.02	60.18	59.48	65.32	60.45	40.03	12.18	8.84	2.44	4.41
CRMS 0224	54.49	88.66	48.42	66.73	66.95	68.41	58.65	36.23	13.25	12.00	4.60	4.89
CRMS 0163	50.41	65.02	39.22	52.56	52.14	59.84	54.08	49.40	43.25	35.98	17.63	19.52
CRMS 0162	93.78	132.28	85.64	105.46	100.79	99.49	88.18	69.18	50.69	44.31	27.88	40.51

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	135.98	192.05	132.95	152.40	144.33	131.11	108.68	69.43	44.20	38.14	29.92	38.49
CRMS0276 - Just east of Wilkinson Canal	13.39	5.13	-0.47	2.39	0.16	2.64	20.40	12.06	-0.14	-0.15	-0.28	-1.26
Barataria Waterway at Lafitte (USACE82875)	-4.36	-4.69	-3.88	-2.50	-2.77	-3.02	-3.45	-2.23	-0.06	-0.14	-0.14	-0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	118.55	167.40	113.79	129.70	122.56	113.44	96.68	54.11	23.76	24.95	10.81	12.34
USGS7380251 Barataria Bay North of Grand Isle	54.43	100.75	62.79	79.90	76.27	68.74	50.29	29.51	3.77	3.11	1.42	0.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	77.91	124.80	77.46	93.14	87.11	84.82	69.33	35.01	6.45	5.41	1.89	1.65
USGS 07380335 - Little Lake Near Cutoff	61.60	103.28	60.63	74.13	68.42	70.97	59.77	29.25	4.06	1.88	0.35	0.04
USGS073802516 Barataria Pass at Grand Isle	29.60	47.94	25.56	35.23	28.89	32.21	26.76	16.71	4.12	1.57	0.43	-0.02
HWQ14 - Lake Washington	13.08	31.87	17.25	29.92	25.63	27.69	13.64	8.63	1.70	1.06	0.22	-0.01
HWQ16 - Bayou Grand Liard	13.22	29.45	13.34	25.49	20.60	19.08	15.07	6.09	1.64	-0.04	-0.64	-1.86
CRMS 3985	12.00	46.33	27.25	41.17	42.44	37.11	13.83	10.81	-2.28	-2.00	-1.51	-0.32
CRMS 0258	38.93	58.04	31.19	36.88	32.09	35.77	34.09	15.59	1.44	1.69	0.94	1.82
CRMS 0224	51.76	84.26	40.24	54.71	55.13	58.18	51.84	28.79	4.71	4.10	1.95	3.76
CRMS 0163	-2.53	-2.69	-2.28	-1.85	-0.59	-0.49	-1.75	-0.41	-0.06	0.14	-0.03	0.16
CRMS 0162	-3.81	-4.70	-5.24	-4.46	-4.19	-2.91	-2.48	-1.02	-0.33	-0.09	-0.20	-0.27

Figure WQ TSS 29 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.89	1.01	4.59	8.01	10.04	8.44	8.91	9.18	6.37	5.52	2.55	4.28
CRMS0276 - Just east of Wilkinson Canal	33.23	9.73	25.68	54.25	76.35	70.18	28.84	20.58	21.48	12.57	11.84	24.40
Barataria Waterway at Lafitte (USACE82875)	47.78	16.09	49.11	76.64	108.68	100.34	61.16	46.02	36.73	34.00	22.72	50.98
USGS2928590900040000 Barataria Waterway South of Lafitte	1.79	0.72	2.96	7.38	9.52	7.42	4.92	4.59	4.78	4.51	1.74	3.03
USGS7380251 Barataria Bay North of Grand Isle	7.79	3.17	6.07	9.11	8.27	7.48	7.25	7.02	7.44	7.13	4.23	5.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.73	3.51	7.40	13.11	12.12	9.09	7.79	8.64	6.67	6.02	4.16	3.26
USGS 07380335 - Little Lake Near Cutoff	14.73	4.69	10.13	20.32	20.24	14.02	10.51	10.30	6.53	6.57	5.68	5.10
USGS073802516 Barataria Pass at Grand Isle	10.26	3.97	9.20	17.40	19.88	17.90	12.96	12.59	6.77	7.65	4.81	4.62
HWQ14 - Lake Washington	7.08	2.85	6.29	8.63	7.04	5.77	4.40	4.26	4.23	5.14	3.42	2.83
HWQ16 - Bayou Grand Liard	34.08	8.13	23.95	40.07	53.33	54.19	28.88	17.84	11.21	8.53	10.00	18.10
CRMS 3985	12.82	5.55	9.51	7.70	5.61	5.20	3.43	3.19	7.80	7.12	5.63	9.34
CRMS 0258	4.45	0.82	15.69	24.40	34.72	36.25	27.13	21.06	7.03	6.78	1.91	13.14
CRMS 0224	5.02	2.05	5.97	13.47	15.47	13.29	7.98	7.50	7.84	7.36	2.29	2.00
CRMS 0163	41.53	16.32	45.17	58.10	87.23	81.82	56.94	45.91	41.84	32.99	17.95	47.73
CRMS 0162	59.00	33.05	104.74	116.06	175.44	155.12	94.72	61.65	47.06	37.40	30.31	104.15

V3PR7 HYST - cy 0 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	55.98	36.26	161.40	173.64	248.07	208.12	120.90	60.72	47.96	37.17	37.69	153.38
CRMS0276 - Just east of Wilkinson Canal	37.52	9.18	31.07	55.54	77.16	74.99	45.41	25.37	21.85	12.29	11.39	30.00
Barataria Waterway at Lafitte (USACE82875)	46.22	15.91	45.28	74.22	106.16	99.13	57.69	45.25	36.80	33.85	22.68	47.42
USGS2928590900040000 Barataria Waterway South of Lafitte	34.28	11.26	136.85	149.51	214.96	181.71	103.95	40.97	27.98	27.99	16.76	131.46
USGS7380251 Barataria Bay North of Grand Isle	25.50	4.22	79.60	96.41	141.57	119.73	63.74	19.19	10.35	8.81	6.50	76.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	37.93	5.04	100.18	113.15	164.96	142.80	79.58	22.50	12.45	10.91	6.18	97.01
USGS 07380335 - Little Lake Near Cutoff	44.83	5.53	85.02	98.42	143.53	126.64	69.37	22.27	9.94	8.61	5.67	81.00
USGS073802516 Barataria Pass at Grand Isle	33.78	4.57	36.80	53.54	69.38	64.14	38.92	23.02	10.67	9.30	5.08	36.63
HWQ14 - Lake Washington	21.41	3.32	21.90	41.18	52.11	49.66	25.18	11.52	5.46	5.08	3.14	18.33
HWQ16 - Bayou Grand Liard	42.76	8.00	41.86	64.62	86.54	78.88	39.91	19.57	12.31	8.38	9.75	36.74
CRMS 3985	20.22	5.74	41.83	53.21	83.65	76.30	34.50	8.10	4.36	3.82	3.85	35.10
CRMS 0258	19.32	1.49	54.94	64.65	97.73	91.89	61.20	24.45	8.26	8.31	2.91	52.88
CRMS 0224	29.79	3.33	54.24	73.14	111.63	101.75	60.42	20.31	11.84	11.41	4.25	56.91
CRMS 0163	41.35	16.22	41.95	55.91	85.00	80.91	55.17	46.14	41.70	32.86	18.01	45.66
CRMS 0162	58.39	32.71	99.01	111.49	170.66	151.74	91.98	61.18	46.82	37.05	29.94	100.24

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	53.09	35.25	156.81	165.63	238.03	199.68	111.99	51.53	41.59	31.65	35.14	149.10
CRMS0276 - Just east of Wilkinson Canal	4.29	-0.55	5.39	1.29	0.81	4.81	16.57	4.79	0.38	-0.28	-0.45	5.60
Barataria Waterway at Lafitte (USACE82875)	-1.56	-0.18	-3.84	-2.42	-2.52	-1.21	-3.47	-0.78	0.07	-0.15	-0.04	-3.56
USGS2928590900040000 Barataria Waterway South of Lafitte	32.50	10.54	133.89	142.13	205.43	174.29	99.04	36.38	23.19	23.48	15.02	128.43
USGS7380251 Barataria Bay North of Grand Isle	17.71	1.06	73.53	87.29	133.31	112.25	56.49	12.18	2.90	1.68	2.27	71.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.20	1.52	92.77	100.04	152.84	133.71	71.79	13.86	5.78	4.89	2.02	93.75
USGS 07380335 - Little Lake Near Cutoff	30.10	0.84	74.89	78.10	123.28	112.62	58.86	11.97	3.41	2.04	-0.01	75.90
USGS073802516 Barataria Pass at Grand Isle	23.52	0.60	27.61	36.14	49.50	46.24	25.96	10.43	3.90	1.65	0.27	32.01
HWQ14 - Lake Washington	14.33	0.47	15.62	32.55	45.07	43.90	20.78	7.26	1.23	-0.06	-0.27	15.49
HWQ16 - Bayou Grand Liard	8.68	-0.13	17.92	24.56	33.20	24.69	11.03	1.73	1.10	-0.15	-0.25	18.64
CRMS 3985	7.40	0.20	32.32	45.51	78.05	71.10	31.07	4.91	-3.44	-3.29	-1.79	25.76
CRMS 0258	14.87	0.67	39.25	40.25	63.01	55.65	34.06	3.38	1.23	1.53	1.00	39.74
CRMS 0224	24.76	1.28	48.28	59.67	96.16	88.46	52.44	12.81	4.00	4.05	1.96	54.91
CRMS 0163	-0.18	-0.10	-3.21	-2.20	-2.24	-0.91	-1.77	0.23	-0.14	-0.12	0.06	-2.07
CRMS 0162	-0.61	-0.34	-5.73	-4.57	-4.77	-3.38	-2.75	-0.47	-0.24	-0.35	-0.37	-3.91

Figure WQ TSS 30 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.59	1.76	4.41	7.24	9.08	8.11	7.56	7.22	6.44	5.42	3.08	3.58
CRMS0276 - Just east of Wilkinson Canal	17.33	12.99	19.37	34.79	57.81	41.17	15.54	9.85	12.22	12.87	15.69	12.41
Barataria Waterway at Lafitte (USACE82875)	46.06	22.79	32.88	56.18	84.23	63.43	37.28	29.06	29.91	38.07	30.22	23.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.57	1.21	3.14	6.15	8.54	7.06	5.28	5.37	5.22	4.68	2.14	2.57
USGS7380251 Barataria Bay North of Grand Isle	7.10	3.67	5.43	9.03	7.89	7.29	10.28	7.94	7.59	7.56	5.26	4.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.05	3.54	6.76	9.96	10.31	7.37	7.28	7.21	6.23	5.45	4.47	2.97
USGS 07380335 - Little Lake Near Cutoff	7.02	4.87	8.90	13.76	16.04	9.33	6.39	5.88	4.79	5.44	5.69	4.05
USGS073802516 Barataria Pass at Grand Isle	5.50	4.07	8.23	12.20	15.88	11.78	8.70	8.90	6.12	6.94	5.43	3.81
HWQ14 - Lake Washington	5.56	3.03	6.15	8.46	6.81	5.59	6.93	5.36	4.86	5.03	4.01	2.83
HWQ16 - Bayou Grand Liard	17.51	9.91	16.63	22.60	37.17	27.28	12.56	11.48	7.54	9.22	12.17	10.10
CRMS 3985	13.20	6.49	7.11	9.20	5.89	6.93	12.56	7.06	6.75	8.01	7.59	6.45
CRMS 0258	7.96	7.19	12.77	20.02	29.32	27.62	12.73	7.56	6.61	7.64	2.91	1.01
CRMS 0224	2.76	2.59	5.89	9.50	13.02	11.16	7.67	7.81	7.39	6.84	3.22	2.07
CRMS 0163	46.22	22.57	27.93	40.32	58.36	50.85	36.86	33.72	34.34	37.50	25.62	18.88
CRMS 0162	82.33	48.84	63.14	83.32	121.85	78.69	49.95	40.70	34.11	49.83	44.59	38.19

V3PR8 HYST - cy 0 - 1970 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.80	0.21	0.08	0.06	0.04	0.14	1.29	1.14	1.15	0.97	0.62	0.37
CRMS0276 - Just east of Wilkinson Canal	10.95	9.12	11.63	22.92	26.24	18.36	9.37	9.51	10.54	14.55	17.36	14.60
Barataria Waterway at Lafitte (USACE82875)	19.60	8.59	16.23	31.27	48.15	37.23	19.77	15.08	17.35	19.87	13.79	10.47
USGS2928590900040000 Barataria Waterway South of Lafitte	9.62	0.34	0.13	0.09	0.04	0.07	0.73	0.95	1.28	1.16	0.69	0.62
USGS7380251 Barataria Bay North of Grand Isle	5.03	2.24	1.93	2.79	2.69	3.79	5.39	5.24	5.29	5.51	3.83	3.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	3.35	1.61	0.61	0.65	0.40	0.83	2.53	4.01	4.03	4.13	4.11	3.05
USGS 07380335 - Little Lake Near Cutoff	5.01	2.70	1.04	1.13	0.79	1.23	3.64	6.37	6.22	6.32	6.47	4.78
USGS073802516 Barataria Pass at Grand Isle	4.45	2.59	3.31	3.06	2.84	2.70	3.91	5.30	4.94	5.18	5.22	4.17
HWQ14 - Lake Washington	5.34	2.26	3.46	4.45	4.20	4.04	3.80	3.51	3.23	4.15	3.07	2.52
HWQ16 - Bayou Grand Liard	12.50	7.78	8.52	7.85	5.21	8.34	10.52	12.54	8.94	11.88	14.20	11.40
CRMS 3985	9.73	4.93	3.70	6.66	5.86	5.72	4.21	3.50	4.55	5.01	5.27	6.26
CRMS 0258	6.96	4.99	5.09	7.11	8.42	8.82	11.38	5.81	4.26	5.42	3.07	4.27
CRMS 0224	3.44	1.51	0.98	1.40	0.95	1.13	1.60	2.48	3.76	3.94	3.10	3.48
CRMS 0163	45.39	23.14	29.25	45.46	70.07	54.40	35.90	32.68	34.32	38.35	26.07	18.17
CRMS 0162	89.51	54.02	70.68	95.49	142.87	89.74	53.62	43.23	35.02	50.92	46.33	40.27

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.21	-1.55	-4.33	-7.18	-9.05	-7.97	-6.27	-6.08	-5.30	-4.45	-2.46	-3.22
CRMS0276 - Just east of Wilkinson Canal	-6.39	-3.88	-7.73	-11.88	-31.57	-22.82	-6.17	-0.35	-1.68	1.68	1.67	2.19
Barataria Waterway at Lafitte (USACE82875)	-26.46	-14.21	-16.66	-24.90	-36.07	-26.20	-17.52	-13.98	-12.56	-18.21	-16.43	-12.96
USGS2928590900040000 Barataria Waterway South of Lafitte	8.05	-0.87	-3.01	-6.06	-8.50	-6.99	-4.54	-4.42	-3.93	-3.51	-1.45	-1.95
USGS7380251 Barataria Bay North of Grand Isle	-2.07	-1.43	-3.51	-6.23	-5.20	-3.50	-4.89	-2.70	-2.30	-2.05	-1.43	-0.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.71	-1.93	-6.15	-9.31	-9.90	-6.53	-4.75	-3.20	-2.19	-1.32	-0.37	0.08
USGS 07380335 - Little Lake Near Cutoff	-2.01	-2.17	-7.86	-12.62	-15.26	-8.10	-2.75	0.49	1.43	0.89	0.78	0.73
USGS073802516 Barataria Pass at Grand Isle	-1.05	-1.48	-4.92	-9.14	-13.04	-9.09	-4.79	-3.60	-1.17	-1.76	-0.20	0.37
HWQ14 - Lake Washington	-0.22	-0.78	-2.69	-4.00	-2.61	-1.55	-3.13	-1.85	-1.63	-0.88	-0.94	-0.31
HWQ16 - Bayou Grand Liard	-5.01	-2.13	-8.11	-14.75	-31.96	-18.93	-2.04	1.07	1.40	2.66	2.03	1.30
CRMS 3985	-3.47	-1.56	-3.42	-2.55	-0.03	-1.21	-8.35	-3.56	-2.20	-3.01	-2.32	-0.19
CRMS 0258	-0.99	-2.20	-7.68	-12.91	-20.90	-18.80	-1.36	-1.75	-2.35	-2.23	0.16	3.26
CRMS 0224	0.68	-1.08	-4.90	-8.10	-12.07	-10.03	-6.06	-5.34	-3.62	-2.90	-0.12	1.42
CRMS 0163	-0.83	0.56	1.32	5.14	11.71	3.55	-0.95	-1.04	-0.02	0.85	0.44	-0.71
CRMS 0162	7.19	5.18	7.54	12.18	21.02	11.04	3.67	2.54	0.91	1.09	1.74	2.08

Figure WQ TSS 31 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.04	3.04	5.83	8.43	10.29	7.90	7.08	6.78	6.02	5.15	2.53	3.87
CRMS0276 - Just east of Wilkinson Canal	30.20	31.25	43.61	58.07	72.77	42.07	15.92	13.24	13.63	10.20	12.73	15.05
Barataria Waterway at Lafitte (USACE82875)	46.20	57.71	75.30	83.61	101.92	57.76	40.40	37.44	31.92	30.29	25.26	34.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.80	4.01	7.92	9.90	6.90	4.68	4.27	4.34	4.10	1.81	2.50
USGS7380251 Barataria Bay North of Grand Isle	8.19	5.40	6.57	8.62	8.21	6.84	5.89	6.75	7.38	6.71	4.60	4.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.56	4.79	10.60	13.54	12.39	8.18	6.87	7.19	6.27	5.53	4.17	3.01
USGS 07380335 - Little Lake Near Cutoff	11.84	7.69	16.82	21.49	20.67	11.06	7.77	6.54	4.97	5.61	5.72	4.14
USGS073802516 Barataria Pass at Grand Isle	8.83	6.14	13.83	18.81	20.88	13.87	9.75	9.33	6.02	6.93	4.88	3.95
HWQ14 - Lake Washington	7.16	3.76	7.11	8.02	7.04	5.60	4.17	3.95	4.37	4.94	3.54	2.87
HWQ16 - Bayou Grand Liard	28.40	23.37	41.45	44.05	53.64	29.02	12.06	12.26	7.53	8.88	10.51	11.76
CRMS 3985	13.81	9.97	6.66	6.39	5.41	4.44	3.47	5.94	7.49	6.35	6.64	7.67
CRMS 0258	9.91	15.17	20.85	26.37	33.88	21.05	11.65	6.72	5.89	5.74	1.15	8.67
CRMS 0224	4.29	3.65	9.09	14.50	16.16	11.10	6.78	6.45	6.41	6.37	2.25	1.48
CRMS 0163	42.19	54.16	64.54	66.08	76.61	46.56	41.60	39.17	37.27	30.06	20.85	29.74
CRMS 0162	71.89	112.93	142.48	133.12	153.24	65.40	57.28	48.19	38.60	32.27	34.90	63.13

V3PR8 HYST - cy 0 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.24	0.03	0.02	0.02	0.03	0.90	1.68	1.29	1.27	1.04	0.62	0.18
CRMS0276 - Just east of Wilkinson Canal	27.50	11.08	13.99	32.61	31.94	28.31	14.09	13.03	10.01	10.87	13.11	13.84
Barataria Waterway at Lafitte (USACE82875)	23.44	21.77	36.22	50.66	63.96	38.18	19.55	17.87	18.69	15.58	8.37	10.55
USGS2928590900040000 Barataria Waterway South of Lafitte	13.40	0.11	0.07	0.06	0.03	0.83	1.21	1.25	1.60	1.42	0.72	0.37
USGS7380251 Barataria Bay North of Grand Isle	13.09	1.00	1.05	2.10	2.70	5.41	5.75	5.67	5.36	5.32	3.58	2.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.44	0.31	0.24	0.35	0.34	2.15	3.42	4.73	4.45	4.22	3.71	1.41
USGS 07380335 - Little Lake Near Cutoff	26.10	0.42	0.42	0.67	0.66	2.91	5.50	8.20	6.56	5.93	6.04	2.53
USGS073802516 Barataria Pass at Grand Isle	19.73	1.22	1.97	2.54	2.61	4.11	5.07	6.71	5.51	5.01	4.40	2.75
HWQ14 - Lake Washington	12.44	1.93	2.80	4.27	4.20	3.67	3.66	3.57	3.18	4.00	2.73	2.44
HWQ16 - Bayou Grand Liard	30.33	5.51	5.74	5.69	5.31	16.11	12.44	12.90	9.40	10.32	11.67	9.94
CRMS 3985	13.15	3.01	3.65	6.28	6.06	5.25	3.76	3.30	4.39	4.24	4.51	6.00
CRMS 0258	15.24	5.16	5.62	7.48	9.01	14.69	15.75	6.82	4.90	5.80	2.75	2.75
CRMS 0224	18.59	0.58	0.51	0.71	0.70	1.66	2.38	3.03	4.43	4.16	2.67	1.95
CRMS 0163	40.77	61.33	76.14	78.97	90.96	47.80	39.45	37.64	36.98	31.62	21.15	30.04
CRMS 0162	76.15	131.88	167.41	157.52	180.54	70.16	59.42	50.55	39.93	33.19	36.80	70.37

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.20	-3.01	-5.81	-8.41	-10.26	-7.01	-5.40	-5.49	-4.75	-4.11	-1.91	-3.69
CRMS0276 - Just east of Wilkinson Canal	-2.69	-20.17	-29.61	-25.46	-40.82	-13.76	-1.83	-0.20	-3.62	0.67	0.38	-1.21
Barataria Waterway at Lafitte (USACE82875)	-22.76	-35.94	-39.08	-32.95	-37.96	-19.58	-20.85	-19.58	-13.23	-14.71	-16.89	-23.71
USGS2928590900040000 Barataria Waterway South of Lafitte	11.53	-1.69	-3.95	-7.87	-9.86	-6.07	-3.47	-3.03	-2.75	-2.68	-1.09	-2.12
USGS7380251 Barataria Bay North of Grand Isle	4.89	-4.41	-5.52	-6.51	-5.51	-1.43	-0.14	-1.08	-2.02	-1.39	-1.02	-1.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.88	-4.47	-10.36	-13.19	-12.05	-6.03	-3.45	-2.46	-1.82	-1.31	-0.46	-1.60
USGS 07380335 - Little Lake Near Cutoff	14.26	-7.26	-16.40	-20.82	-20.01	-8.14	-2.27	1.65	1.60	0.32	0.32	-1.61
USGS073802516 Barataria Pass at Grand Isle	10.91	-4.92	-11.86	-16.27	-18.27	-9.75	-4.68	-2.62	-0.51	-1.93	-0.47	-1.20
HWQ14 - Lake Washington	5.28	-1.84	-4.30	-3.75	-2.85	-1.93	-0.50	-0.38	-1.19	-0.95	-0.81	-0.43
HWQ16 - Bayou Grand Liard	1.93	-17.87	-35.70	-38.36	-48.32	-12.91	0.38	0.64	1.87	1.44	1.15	-1.82
CRMS 3985	-0.66	-6.96	-3.01	-0.10	0.65	0.81	0.29	-2.64	-3.10	-2.11	-2.14	-1.67
CRMS 0258	5.33	-10.01	-15.23	-18.89	-24.87	-6.36	4.10	0.11	-0.99	0.05	1.60	-5.92
CRMS 0224	14.30	-3.07	-8.58	-13.79	-15.45	-9.44	-4.41	-3.42	-1.98	-2.21	0.42	0.47
CRMS 0163	-1.42	7.17	11.61	12.89	14.34	1.24	-2.15	-1.53	-0.29	1.57	0.30	0.30
CRMS 0162	4.26	18.95	24.93	24.40	27.30	4.76	2.15	2.37	1.33	0.92	1.90	7.24

Figure WQ TSS 32 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	2.36	3.47	5.94	8.02	6.64	6.66	7.00	6.20	5.32	3.85	3.57
CRMS0276 - Just east of Wilkinson Canal	15.48	18.32	15.19	29.48	33.35	22.90	9.23	7.87	8.47	10.75	16.16	13.93
Barataria Waterway at Lafitte (USACE82875)	37.72	33.52	25.28	45.61	55.61	41.85	27.16	25.87	26.06	34.46	31.64	29.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	1.71	2.92	5.74	7.28	6.57	6.18	7.10	6.13	4.89	2.61	2.96
USGS7380251 Barataria Bay North of Grand Isle	6.24	4.21	5.10	8.73	8.95	7.04	8.41	7.69	7.39	7.87	5.35	4.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.39	3.42	6.32	9.17	8.65	6.87	6.51	6.53	5.67	5.24	4.38	3.16
USGS 07380335 - Little Lake Near Cutoff	7.28	5.14	8.09	12.07	10.70	7.63	5.46	4.97	4.35	4.79	5.70	4.40
USGS073802516 Barataria Pass at Grand Isle	5.90	4.25	7.72	11.02	10.94	9.32	7.64	7.80	5.30	6.42	5.23	4.10
HWQ14 - Lake Washington	5.79	2.96	5.92	8.77	8.13	6.05	6.00	4.85	4.42	5.45	3.98	2.99
HWQ16 - Bayou Grand Liard	14.81	14.08	13.02	18.77	17.35	13.51	7.73	11.29	7.15	8.75	12.70	11.46
CRMS 3985	10.84	7.57	6.74	10.12	10.11	6.62	8.80	6.66	6.46	8.22	7.73	7.36
CRMS 0258	2.48	9.49	6.10	13.84	20.35	7.80	6.36	6.70	6.01	5.01	6.69	6.66
CRMS 0224	3.06	2.81	5.62	8.75	9.47	8.59	7.16	7.71	6.80	6.17	3.12	2.66
CRMS 0163	40.74	31.39	21.79	30.17	40.20	38.44	30.79	30.35	31.82	34.30	27.64	24.55
CRMS 0162	55.45	63.92	48.18	54.39	64.45	46.40	38.25	36.18	29.05	42.65	49.64	50.89

V3PR8 HYST - cy 0 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	58.22	84.42	71.27	61.87	85.74	47.57	38.28	36.26	32.87	41.30	49.43	48.15
CRMS0276 - Just east of Wilkinson Canal	14.25	18.01	14.03	26.50	29.30	20.53	10.13	8.77	9.72	12.67	17.35	13.91
Barataria Waterway at Lafitte (USACE82875)	19.47	12.12	13.75	26.11	28.56	24.19	15.53	13.97	13.95	17.31	11.80	13.52
USGS2928590900040000 Barataria Waterway South of Lafitte	28.15	63.04	46.24	36.03	66.32	28.94	32.65	30.04	22.77	28.07	17.33	16.88
USGS7380251 Barataria Bay North of Grand Isle	9.60	30.07	22.74	23.68	37.93	11.34	8.93	9.16	7.62	7.92	6.60	5.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.09	44.82	30.54	29.27	50.11	13.73	9.71	9.26	9.17	9.59	7.01	5.42
USGS 07380335 - Little Lake Near Cutoff	8.64	37.00	26.71	29.70	43.89	13.09	8.04	6.21	5.93	6.82	7.03	5.32
USGS073802516 Barataria Pass at Grand Isle	6.71	19.17	16.72	22.92	24.98	13.29	8.87	8.46	6.18	7.68	6.10	4.60
HWQ14 - Lake Washington	6.46	10.25	10.03	17.11	15.73	8.01	5.05	4.22	3.93	4.79	3.82	3.19
HWQ16 - Bayou Grand Liard	14.18	19.74	16.82	25.45	24.97	15.11	7.79	10.64	7.19	9.69	12.94	11.32
CRMS 3985	10.95	10.25	8.65	13.62	15.96	5.87	3.33	3.20	4.38	5.05	5.82	7.15
CRMS 0258	4.75	22.26	13.50	20.69	34.52	9.95	9.10	9.34	6.88	6.42	7.50	7.74
CRMS 0224	6.88	24.72	18.22	22.46	36.89	14.14	12.19	12.31	9.67	9.40	5.38	5.96
CRMS 0163	37.84	28.91	19.70	28.92	36.53	35.22	28.78	28.82	30.62	32.00	25.76	22.63
CRMS 0162	54.86	61.41	45.58	53.94	62.45	46.66	38.56	36.52	29.42	42.51	49.33	50.71

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.16	82.06	67.79	55.93	77.72	40.92	31.62	29.26	26.68	35.98	45.57	44.58
CRMS0276 - Just east of Wilkinson Canal	-1.23	-0.31	-1.16	-2.98	-4.05	-2.37	0.90	0.89	1.25	1.92	1.19	-0.03
Barataria Waterway at Lafitte (USACE82875)	-18.24	-21.40	-11.53	-19.51	-27.06	-17.65	-11.62	-11.90	-12.11	-17.15	-19.84	-16.29
USGS2928590900040000 Barataria Waterway South of Lafitte	26.72	61.33	43.32	30.29	59.04	22.36	26.47	22.95	16.64	23.18	14.72	13.92
USGS7380251 Barataria Bay North of Grand Isle	3.36	25.86	17.64	14.95	28.98	4.29	0.52	1.46	0.23	0.05	1.25	0.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.70	41.40	24.22	20.10	41.46	6.86	3.20	2.73	3.50	4.35	2.63	2.26
USGS 07380335 - Little Lake Near Cutoff	1.36	31.86	18.62	17.62	33.19	5.46	2.57	1.24	1.58	2.04	1.33	0.92
USGS073802516 Barataria Pass at Grand Isle	0.81	14.92	9.00	11.90	14.03	3.98	1.24	0.66	0.88	1.26	0.87	0.50
HWQ14 - Lake Washington	0.67	7.29	4.11	8.35	7.59	1.96	-0.94	-0.63	-0.49	-0.66	-0.16	0.20
HWQ16 - Bayou Grand Liard	-0.63	5.66	3.80	6.68	7.62	1.61	0.05	-0.64	0.03	0.94	0.25	-0.14
CRMS 3985	0.11	2.68	1.92	3.51	5.85	-0.75	-5.47	-3.46	-2.07	-3.16	-1.91	-0.21
CRMS 0258	2.27	12.77	7.40	6.85	14.17	2.15	2.75	2.64	0.87	1.40	0.81	1.08
CRMS 0224	3.82	21.92	12.60	13.72	27.41	5.55	5.02	4.60	2.88	3.24	2.26	3.30
CRMS 0163	-2.90	-2.48	-2.09	-1.25	-3.67	-3.22	-2.01	-1.53	-1.20	-2.31	-1.87	-1.92
CRMS 0162	-0.59	-2.51	-2.60	-0.45	-2.00	0.26	0.31	0.34	0.37	-0.14	-0.32	-0.19

Figure WQ TSS 33 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.93	3.28	5.05	7.91	8.97	8.03	9.17	9.57	6.76	5.53	2.62	3.17
CRMS0276 - Just east of Wilkinson Canal	20.44	40.24	34.14	49.36	49.93	50.14	21.99	22.25	24.57	14.47	12.89	13.33
Barataria Waterway at Lafitte (USACE82875)	52.41	72.26	50.36	73.18	73.17	76.73	58.17	51.04	39.25	37.33	22.88	23.28
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	2.00	3.75	7.00	8.20	6.52	4.84	4.82	5.39	4.73	1.84	2.34
USGS7380251 Barataria Bay North of Grand Isle	7.16	5.87	5.69	8.26	7.49	7.31	11.64	8.54	7.62	6.23	3.97	3.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.23	5.46	9.29	11.59	10.31	7.54	7.81	8.99	7.40	6.27	4.08	2.55
USGS 07380335 - Little Lake Near Cutoff	7.83	9.52	14.51	17.95	15.26	10.01	7.05	10.56	7.60	7.54	5.61	3.91
USGS073802516 Barataria Pass at Grand Isle	5.94	7.43	12.14	15.35	15.12	12.45	9.34	12.88	8.11	8.29	4.98	3.44
HWQ14 - Lake Washington	5.45	3.93	6.59	7.40	6.53	5.39	7.50	5.87	4.52	4.56	3.08	2.34
HWQ16 - Bayou Grand Liard	20.79	32.18	31.68	34.56	30.67	32.51	20.13	19.00	13.22	9.00	10.62	10.77
CRMS 3985	12.90	10.80	5.51	6.35	4.97	6.98	16.46	5.80	7.38	5.57	5.22	6.20
CRMS 0258	10.65	16.93	15.83	23.30	27.39	29.55	26.36	24.44	10.74	7.15	1.50	2.59
CRMS 0224	2.74	4.40	8.18	12.03	11.82	10.23	6.82	7.44	8.54	7.91	2.65	1.13
CRMS 0163	52.94	67.71	41.51	54.41	52.73	60.33	55.83	49.81	43.31	35.83	17.66	19.36
CRMS 0162	97.59	136.98	90.88	109.93	104.98	102.40	90.66	70.20	51.02	44.40	28.08	40.78

V3PR8 HYST - cy 0 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	139.88	195.32	138.00	160.31	153.31	139.15	117.86	79.07	51.01	43.69	32.51	41.63
CRMS0276 - Just east of Wilkinson Canal	32.57	45.33	33.56	49.93	49.30	51.67	42.12	33.32	19.97	13.45	12.76	13.57
Barataria Waterway at Lafitte (USACE82875)	22.15	25.97	26.30	40.63	39.81	42.39	25.79	23.58	26.69	23.71	11.78	7.87
USGS2928590900040000 Barataria Waterway South of Lafitte	119.97	169.40	117.50	136.70	130.74	119.98	101.52	58.90	29.36	29.86	12.72	14.82
USGS7380251 Barataria Bay North of Grand Isle	61.08	106.73	68.46	87.91	83.49	75.94	61.54	38.51	11.56	9.37	5.33	4.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	84.36	131.26	87.77	105.55	98.23	93.35	78.06	44.17	13.64	11.53	5.98	4.17
USGS 07380335 - Little Lake Near Cutoff	69.44	112.49	75.03	91.84	83.31	80.74	66.28	39.16	10.75	8.97	6.20	4.12
USGS073802516 Barataria Pass at Grand Isle	35.45	55.38	37.66	50.35	44.16	44.93	36.17	29.50	12.17	9.76	5.50	3.52
HWQ14 - Lake Washington	18.96	37.68	24.97	38.60	33.66	34.08	22.07	14.89	6.40	5.54	3.27	2.45
HWQ16 - Bayou Grand Liard	33.63	60.82	44.46	59.12	50.27	50.85	34.48	24.30	14.37	9.91	10.70	9.88
CRMS 3985	24.53	56.83	32.56	46.78	47.18	43.59	29.91	16.69	5.13	3.63	3.96	5.94
CRMS 0258	50.16	75.91	47.59	60.88	59.93	65.42	60.53	40.28	12.05	8.65	2.24	4.29
CRMS 0224	55.34	89.65	49.13	67.78	67.30	68.40	59.28	36.34	13.00	11.64	4.25	4.73
CRMS 0163	47.96	64.58	37.89	52.09	50.91	58.74	51.76	47.60	42.03	34.21	16.71	17.65
CRMS 0162	92.70	130.99	84.27	104.34	99.36	98.33	87.62	69.14	50.88	44.28	28.02	40.57

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	135.95	192.04	132.95	152.40	144.34	131.12	108.69	69.50	44.25	38.16	29.89	38.47
CRMS0276 - Just east of Wilkinson Canal	12.13	5.09	-0.58	0.57	-0.64	1.53	20.12	11.07	-4.60	-1.02	-0.13	0.24
Barataria Waterway at Lafitte (USACE82875)	-30.26	-46.29	-24.06	-32.55	-33.35	-34.33	-32.37	-27.46	-12.56	-13.62	-11.10	-15.41
USGS2928590900040000 Barataria Waterway South of Lafitte	118.54	167.39	113.75	129.70	122.54	113.46	96.68	54.08	23.97	25.13	10.87	12.48
USGS7380251 Barataria Bay North of Grand Isle	53.92	100.86	62.77	79.64	76.00	68.63	49.90	29.97	3.94	3.14	1.36	0.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	79.13	125.80	78.48	93.95	87.92	85.81	70.26	35.18	6.25	5.26	1.90	1.62
USGS 07380335 - Little Lake Near Cutoff	61.61	102.97	60.53	73.89	68.05	70.73	59.23	28.60	3.15	1.44	0.58	0.20
USGS073802516 Barataria Pass at Grand Isle	29.51	47.95	25.52	34.99	29.04	32.48	26.83	16.62	4.06	1.46	0.51	0.08
HWQ14 - Lake Washington	13.52	33.75	18.37	31.20	27.13	28.68	14.57	9.01	1.88	0.98	0.19	0.11
HWQ16 - Bayou Grand Liard	12.85	28.64	12.78	24.56	19.60	18.34	14.35	5.31	1.15	0.92	0.07	-0.89
CRMS 3985	11.63	46.03	27.05	40.43	42.21	36.61	13.46	10.89	-2.24	-1.94	-1.27	-0.26
CRMS 0258	39.52	58.98	31.76	37.58	32.54	35.87	34.17	15.84	1.31	1.49	0.74	1.69
CRMS 0224	52.61	85.24	40.95	55.76	55.48	58.17	52.46	28.90	4.46	3.74	1.60	3.60
CRMS 0163	-4.99	-3.13	-3.62	-2.32	-1.82	-1.59	-4.07	-2.21	-1.28	-1.62	-0.95	-1.71
CRMS 0162	-4.89	-5.99	-6.61	-5.58	-5.62	-4.07	-3.04	-1.05	-0.14	-0.12	-0.06	-0.21

Figure WQ TSS 34 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.89	1.01	4.59	8.01	10.04	8.44	8.91	9.18	6.37	5.52	2.55	4.28
CRMS0276 - Just east of Wilkinson Canal	33.23	9.73	25.68	54.25	76.35	70.18	28.84	20.58	21.48	12.57	11.84	24.40
Barataria Waterway at Lafitte (USACE82875)	47.78	16.09	49.11	76.64	108.68	100.34	61.16	46.02	36.73	34.00	22.72	50.98
USGS2928590900040000 Barataria Waterway South of Lafitte	1.79	0.72	2.96	7.38	9.52	7.42	4.92	4.59	4.78	4.51	1.74	3.03
USGS7380251 Barataria Bay North of Grand Isle	7.79	3.17	6.07	9.11	8.27	7.48	7.25	7.02	7.44	7.13	4.23	5.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.73	3.51	7.40	13.11	12.12	9.09	7.79	8.64	6.67	6.02	4.16	3.26
USGS 07380335 - Little Lake Near Cutoff	14.73	4.69	10.13	20.32	20.24	14.02	10.51	10.30	6.53	6.57	5.68	5.10
USGS073802516 Barataria Pass at Grand Isle	10.26	3.97	9.20	17.40	19.88	17.90	12.96	12.59	6.77	7.65	4.81	4.62
HWQ14 - Lake Washington	7.08	2.85	6.29	8.63	7.04	5.77	4.40	4.26	4.23	5.14	3.42	2.83
HWQ16 - Bayou Grand Liard	34.08	8.13	23.95	40.07	53.33	54.19	28.88	17.84	11.21	8.53	10.00	18.10
CRMS 3985	12.82	5.55	9.51	7.70	5.61	5.20	3.43	3.19	7.80	7.12	5.63	9.34
CRMS 0258	4.45	0.82	15.69	24.40	34.72	36.25	27.13	21.06	7.03	6.78	1.91	13.14
CRMS 0224	5.02	2.05	5.97	13.47	15.47	13.29	7.98	7.50	7.84	7.36	2.29	2.00
CRMS 0163	41.53	16.32	45.17	58.10	87.23	81.82	56.94	45.91	41.84	32.99	17.95	47.73
CRMS 0162	59.00	33.05	104.74	116.06	175.44	155.12	94.72	61.65	47.06	37.40	30.31	104.15

V3PR8 HYST - cy 0 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	55.92	36.23	161.39	173.63	247.93	208.10	120.88	60.65	47.93	37.07	37.68	153.38
CRMS0276 - Just east of Wilkinson Canal	36.28	10.38	33.04	53.72	76.59	73.73	45.20	24.96	16.96	11.97	11.53	30.88
Barataria Waterway at Lafitte (USACE82875)	27.73	6.78	15.04	41.55	60.62	59.50	28.79	23.24	25.13	21.29	8.45	15.58
USGS2928590900040000 Barataria Waterway South of Lafitte	34.34	11.35	136.82	149.47	214.82	181.67	103.90	41.15	28.24	28.26	16.82	131.44
USGS7380251 Barataria Bay North of Grand Isle	25.42	4.25	79.46	95.98	140.75	118.94	63.19	18.96	10.28	8.68	6.59	76.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	37.86	4.92	101.10	114.09	166.04	144.02	80.43	22.35	12.27	10.77	6.17	97.87
USGS 07380335 - Little Lake Near Cutoff	44.89	5.47	84.90	98.05	142.81	126.07	68.89	22.09	8.99	8.22	5.88	80.49
USGS073802516 Barataria Pass at Grand Isle	33.36	4.50	36.56	53.30	69.71	64.44	38.90	23.03	10.53	9.14	5.11	36.50
HWQ14 - Lake Washington	21.22	3.34	23.75	42.81	54.53	51.41	26.19	11.48	5.50	4.98	3.23	19.61
HWQ16 - Bayou Grand Liard	41.81	8.23	41.76	63.72	85.56	77.56	39.11	19.23	11.76	8.90	9.91	35.80
CRMS 3985	20.08	5.78	41.51	52.56	82.95	75.29	34.23	7.94	4.28	4.36	4.00	34.85
CRMS 0258	19.47	1.49	55.55	65.37	98.66	92.45	61.20	24.39	8.02	8.15	2.81	53.55
CRMS 0224	29.87	3.32	55.25	73.88	113.74	102.50	60.34	20.16	11.38	11.19	4.05	58.08
CRMS 0163	38.28	15.13	40.90	55.87	88.53	83.15	52.76	44.24	40.33	30.87	16.60	43.86
CRMS 0162	58.23	32.83	97.35	109.35	169.97	150.69	91.11	60.86	46.65	36.94	29.89	99.20

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	53.03	35.22	156.80	165.62	237.89	199.66	111.97	51.46	41.56	31.55	35.12	149.09
CRMS0276 - Just east of Wilkinson Canal	3.05	0.66	7.35	-0.53	0.23	3.55	16.36	4.38	-4.52	-0.60	-0.31	6.48
Barataria Waterway at Lafitte (USACE82875)	-20.05	-9.30	-34.07	-35.09	-48.06	-40.85	-32.36	-22.78	-11.60	-12.71	-14.27	-35.40
USGS2928590900040000 Barataria Waterway South of Lafitte	32.56	10.64	133.86	142.08	205.30	174.25	98.98	36.56	23.45	23.75	15.08	128.41
USGS7380251 Barataria Bay North of Grand Isle	17.63	1.08	73.39	86.87	132.48	111.45	55.94	11.95	2.84	1.55	2.36	70.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.12	1.41	93.69	100.98	153.91	134.93	72.64	13.71	5.60	4.75	2.01	94.61
USGS 07380335 - Little Lake Near Cutoff	30.15	0.78	74.77	77.73	122.57	112.05	58.38	11.79	2.45	1.66	0.20	75.39
USGS073802516 Barataria Pass at Grand Isle	23.10	0.53	27.36	35.90	49.83	46.54	25.93	10.44	3.75	1.49	0.31	31.88
HWQ14 - Lake Washington	14.13	0.49	17.47	34.17	47.50	45.65	21.79	7.22	1.27	-0.17	-0.19	16.78
HWQ16 - Bayou Grand Liard	7.73	0.10	17.82	23.65	32.23	23.37	10.23	1.39	0.55	0.37	-0.09	17.70
CRMS 3985	7.26	0.23	32.00	44.86	77.35	70.09	30.81	4.75	-3.52	-2.76	-1.64	25.51
CRMS 0258	15.02	0.67	39.87	40.97	63.94	56.20	34.07	3.33	0.98	1.37	0.90	40.41
CRMS 0224	24.84	1.27	49.28	60.41	98.27	89.21	52.37	12.66	3.54	3.83	1.76	56.09
CRMS 0163	-3.25	-1.19	-4.27	-2.23	1.29	1.33	-4.19	-1.68	-1.51	-2.12	-1.35	-3.87
CRMS 0162	-0.77	-0.23	-7.39	-6.72	-5.46	-4.43	-3.61	-0.79	-0.40	-0.46	-0.42	-4.96

Figure WQ TSS 35 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.59	1.76	4.41	7.24	9.08	8.11	7.56	7.22	6.44	5.42	3.08	3.58
CRMS0276 - Just east of Wilkinson Canal	17.33	12.99	19.37	34.79	57.81	41.17	15.54	9.85	12.22	12.87	15.69	12.41
Barataria Waterway at Lafitte (USACE82875)	46.06	22.79	32.88	56.18	84.23	63.43	37.28	29.06	29.91	38.07	30.22	23.43
USGS2928590900040000 Barataria Waterway South of Lafitte	1.57	1.21	3.14	6.15	8.54	7.06	5.28	5.37	5.22	4.68	2.14	2.57
USGS7380251 Barataria Bay North of Grand Isle	7.10	3.67	5.43	9.03	7.89	7.29	10.28	7.94	7.59	7.56	5.26	4.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.05	3.54	6.76	9.96	10.31	7.37	7.28	7.21	6.23	5.45	4.47	2.97
USGS 07380335 - Little Lake Near Cutoff	7.02	4.87	8.90	13.76	16.04	9.33	6.39	5.88	4.79	5.44	5.69	4.05
USGS073802516 Barataria Pass at Grand Isle	5.50	4.07	8.23	12.20	15.88	11.78	8.70	8.90	6.12	6.94	5.43	3.81
HWQ14 - Lake Washington	5.56	3.03	6.15	8.46	6.81	5.59	6.93	5.36	4.86	5.03	4.01	2.83
HWQ16 - Bayou Grand Liard	17.51	9.91	16.63	22.60	37.17	27.28	12.56	11.48	7.54	9.22	12.17	10.10
CRMS 3985	13.20	6.49	7.11	9.20	5.89	6.93	12.56	7.06	6.75	8.01	7.59	6.45
CRMS 0258	7.96	7.19	12.77	20.02	29.32	27.62	12.73	7.56	6.61	7.64	2.91	1.01
CRMS 0224	2.76	2.59	5.89	9.50	13.02	11.16	7.67	7.81	7.39	6.84	3.22	2.07
CRMS 0163	46.22	22.57	27.93	40.32	58.36	50.85	36.86	33.72	34.34	37.50	25.62	18.88
CRMS 0162	82.33	48.84	63.14	83.32	121.85	78.69	49.95	40.70	34.11	49.83	44.59	38.19

V3PR9 HYST - cy 0 - 1970 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.68	1.80	4.42	7.38	9.10	8.20	7.54	7.18	6.43	5.53	3.09	3.65
CRMS0276 - Just east of Wilkinson Canal	16.44	12.56	19.05	31.49	51.60	37.50	15.77	9.30	11.04	14.23	17.68	15.56
Barataria Waterway at Lafitte (USACE82875)	20.45	9.16	16.03	30.93	48.73	39.24	21.81	16.62	18.03	20.50	13.53	10.97
USGS2928590900040000 Barataria Waterway South of Lafitte	1.63	1.30	3.23	6.25	8.33	7.28	5.86	6.52	5.90	4.90	2.24	2.50
USGS7380251 Barataria Bay North of Grand Isle	7.41	3.77	5.89	9.94	9.44	7.39	6.37	6.72	7.56	8.36	5.38	4.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.84	3.42	6.38	9.59	9.98	7.76	6.81	6.71	5.84	5.43	4.60	3.07
USGS 07380335 - Little Lake Near Cutoff	7.00	4.82	8.40	12.71	14.25	9.92	7.76	5.58	4.85	5.35	6.60	4.66
USGS073802516 Barataria Pass at Grand Isle	5.46	4.02	8.00	11.87	15.04	12.58	9.83	8.42	5.34	6.69	5.54	4.12
HWQ14 - Lake Washington	5.93	3.12	5.93	9.44	8.45	6.09	4.58	4.25	4.63	6.28	4.21	3.01
HWQ16 - Bayou Grand Liard	17.54	10.06	17.06	21.07	34.80	26.54	13.39	12.12	8.19	10.21	13.65	12.13
CRMS 3985	13.44	6.58	8.52	11.11	10.08	5.04	3.48	5.13	7.27	9.31	7.80	6.59
CRMS 0258	7.83	7.07	12.63	19.02	28.05	27.21	12.76	7.40	6.37	6.94	2.69	0.90
CRMS 0224	2.68	2.53	5.59	8.65	11.24	10.55	7.83	7.66	6.87	6.19	2.83	1.76
CRMS 0163	43.53	21.50	26.61	40.21	59.85	50.21	35.24	32.50	33.48	35.51	24.18	17.35
CRMS 0162	82.17	48.71	62.69	82.53	121.03	78.46	50.05	41.01	34.20	49.70	44.84	38.47

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.09	0.04	0.01	0.14	0.02	0.08	-0.01	-0.04	-0.01	0.10	0.01	0.07
CRMS0276 - Just east of Wilkinson Canal	-0.89	-0.43	-0.32	-3.31	-6.21	-3.67	0.23	-0.55	-1.18	1.36	1.99	3.15
Barataria Waterway at Lafitte (USACE82875)	-25.62	-13.64	-16.85	-25.25	-35.50	-24.19	-15.47	-12.44	-11.88	-17.57	-16.69	-12.46
USGS2928590900040000 Barataria Waterway South of Lafitte	0.06	0.09	0.09	0.10	-0.22	0.21	0.58	1.15	0.68	0.23	0.10	-0.07
USGS7380251 Barataria Bay North of Grand Isle	0.31	0.10	0.45	0.91	1.55	0.10	-3.91	-1.22	-0.04	0.80	0.12	0.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.21	-0.12	-0.38	-0.37	-0.33	0.39	-0.46	-0.50	-0.39	-0.03	0.12	0.10
USGS 07380335 - Little Lake Near Cutoff	-0.03	-0.05	-0.50	-1.05	-1.79	0.59	1.36	-0.30	0.07	-0.09	0.91	0.61
USGS073802516 Barataria Pass at Grand Isle	-0.04	-0.05	-0.23	-0.33	-0.84	0.80	1.13	-0.48	-0.77	-0.25	0.12	0.32
HWQ14 - Lake Washington	0.37	0.09	-0.22	0.99	1.64	0.50	-2.35	-1.11	-0.23	1.25	0.20	0.19
HWQ16 - Bayou Grand Liard	0.03	0.16	0.43	-1.53	-2.37	-0.73	0.83	0.64	0.65	0.99	1.49	2.03
CRMS 3985	0.24	0.09	1.41	1.91	4.19	-1.89	-9.08	-1.93	0.52	1.30	0.20	0.14
CRMS 0258	-0.13	-0.11	-0.13	-1.00	-1.27	-0.41	0.02	-0.16	-0.25	-0.70	-0.21	-0.12
CRMS 0224	-0.08	-0.07	-0.29	-0.85	-1.78	-0.60	0.16	-0.15	-0.52	-0.65	-0.39	-0.31
CRMS 0163	-2.70	-1.08	-1.32	-0.12	1.49	-0.64	-1.62	-1.22	-0.86	-1.99	-1.44	-1.53
CRMS 0162	-0.16	-0.13	-0.45	-0.79	-0.82	-0.23	0.10	0.32	0.09	-0.13	0.26	0.28

Figure WQ TSS 36 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.04	3.04	5.83	8.43	10.29	7.90	7.08	6.78	6.02	5.15	2.53	3.87
CRMS0276 - Just east of Wilkinson Canal	30.20	31.25	43.61	58.07	72.77	42.07	15.92	13.24	13.63	10.20	12.73	15.05
Barataria Waterway at Lafitte (USACE82875)	46.20	57.71	75.30	83.61	101.92	57.76	40.40	37.44	31.92	30.29	25.26	34.25
USGS2928590900040000 Barataria Waterway South of Lafitte	1.88	1.80	4.01	7.92	9.90	6.90	4.68	4.27	4.34	4.10	1.81	2.50
USGS7380251 Barataria Bay North of Grand Isle	8.19	5.40	6.57	8.62	8.21	6.84	5.89	6.75	7.38	6.71	4.60	4.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.56	4.79	10.60	13.54	12.39	8.18	6.87	7.19	6.27	5.53	4.17	3.01
USGS 07380335 - Little Lake Near Cutoff	11.84	7.69	16.82	21.49	20.67	11.06	7.77	6.54	4.97	5.61	5.72	4.14
USGS073802516 Barataria Pass at Grand Isle	8.83	6.14	13.83	18.81	20.88	13.87	9.75	9.33	6.02	6.93	4.88	3.95
HWQ14 - Lake Washington	7.16	3.76	7.11	8.02	7.04	5.60	4.17	3.95	4.37	4.94	3.54	2.87
HWQ16 - Bayou Grand Liard	28.40	23.37	41.45	44.05	53.64	29.02	12.06	12.26	7.53	8.88	10.51	11.76
CRMS 3985	13.81	9.97	6.66	6.39	5.41	4.44	3.47	5.94	7.49	6.35	6.64	7.67
CRMS 0258	9.91	15.17	20.85	26.37	33.88	21.05	11.65	6.72	5.89	5.74	1.15	8.67
CRMS 0224	4.29	3.65	9.09	14.50	16.16	11.10	6.78	6.45	6.41	6.37	2.25	1.48
CRMS 0163	42.19	54.16	64.54	66.08	76.61	46.56	41.60	39.17	37.27	30.06	20.85	29.74
CRMS 0162	71.89	112.93	142.48	133.12	153.24	65.40	57.28	48.19	38.60	32.27	34.90	63.13

V3PR9 HYST - cy 0 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.10	3.08	5.80	8.20	10.07	7.69	7.01	6.91	5.97	5.14	2.56	3.68
CRMS0276 - Just east of Wilkinson Canal	27.86	28.36	41.53	55.66	68.37	39.01	14.91	12.49	10.34	10.75	12.92	19.50
Barataria Waterway at Lafitte (USACE82875)	26.03	22.90	37.73	50.94	64.01	38.83	21.48	19.39	20.06	16.88	8.52	11.60
USGS2928590900040000 Barataria Waterway South of Lafitte	1.84	1.80	3.87	7.51	9.43	6.52	4.56	4.24	4.30	3.96	1.72	2.14
USGS7380251 Barataria Bay North of Grand Isle	8.47	5.54	6.51	8.43	8.03	6.73	5.83	8.74	7.17	7.09	4.85	4.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.02	4.52	10.09	12.78	11.85	7.87	6.77	6.93	6.13	5.30	4.18	2.98
USGS 07380335 - Little Lake Near Cutoff	11.15	7.41	16.24	20.32	19.58	10.40	7.54	5.92	5.20	5.37	5.94	4.79
USGS073802516 Barataria Pass at Grand Isle	8.35	5.93	13.56	17.96	20.42	13.49	9.63	8.56	6.05	6.68	4.67	4.14
HWQ14 - Lake Washington	7.50	3.89	7.01	7.89	6.94	5.51	4.22	4.68	4.53	5.37	3.73	2.99
HWQ16 - Bayou Grand Liard	27.00	23.65	41.46	43.53	52.77	28.24	11.86	11.55	8.69	9.49	10.55	13.88
CRMS 3985	14.04	10.17	6.71	6.29	5.29	4.40	3.50	10.79	6.68	6.73	6.85	7.79
CRMS 0258	9.75	15.06	20.71	25.49	32.69	20.82	11.53	6.59	5.87	5.03	1.18	8.96
CRMS 0224	3.99	3.47	8.26	13.21	15.03	10.07	6.56	6.20	6.02	5.48	2.11	1.31
CRMS 0163	39.66	54.92	67.75	69.40	80.08	45.77	39.70	37.10	36.01	29.10	19.29	27.83
CRMS 0162	71.49	111.96	141.65	131.96	152.35	64.89	57.14	48.12	38.72	32.31	35.16	62.86

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	0.04	-0.03	-0.23	-0.22	-0.21	-0.07	0.13	-0.05	-0.01	0.03	-0.19
CRMS0276 - Just east of Wilkinson Canal	-2.33	-2.89	-2.08	-2.41	-4.40	-3.06	-1.01	-0.74	-3.29	0.55	0.20	4.44
Barataria Waterway at Lafitte (USACE82875)	-20.17	-34.81	-37.58	-32.67	-37.92	-18.93	-18.93	-18.05	-11.86	-13.42	-16.74	-22.66
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.00	-0.14	-0.41	-0.47	-0.38	-0.12	-0.04	-0.05	-0.15	-0.09	-0.36
USGS7380251 Barataria Bay North of Grand Isle	0.28	0.14	-0.06	-0.18	-0.18	-0.11	-0.06	1.99	-0.21	0.38	0.25	0.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.55	-0.26	-0.52	-0.76	-0.54	-0.31	-0.10	-0.26	-0.14	-0.23	0.01	-0.03
USGS 07380335 - Little Lake Near Cutoff	-0.69	-0.27	-0.58	-1.17	-1.09	-0.66	-0.23	-0.62	0.23	-0.25	0.22	0.64
USGS073802516 Barataria Pass at Grand Isle	-0.47	-0.20	-0.26	-0.85	-0.46	-0.38	-0.12	-0.77	0.03	-0.25	-0.20	0.19
HWQ14 - Lake Washington	0.34	0.13	-0.10	-0.12	-0.11	-0.09	0.05	0.73	0.16	0.42	0.19	0.12
HWQ16 - Bayou Grand Liard	-1.40	0.27	0.01	-0.52	-0.87	-0.78	-0.20	-0.71	1.17	0.62	0.04	2.11
CRMS 3985	0.22	0.20	0.05	-0.09	-0.12	-0.04	0.03	4.85	-0.81	0.38	0.21	0.12
CRMS 0258	-0.16	-0.12	-0.14	-0.88	-1.19	-0.23	-0.12	-0.13	-0.02	-0.71	0.03	0.29
CRMS 0224	-0.30	-0.18	-0.83	-1.29	-1.13	-1.03	-0.23	-0.25	-0.39	-0.89	-0.14	-0.17
CRMS 0163	-2.53	0.76	3.22	3.32	3.47	-0.80	-1.90	-2.07	-1.27	-0.95	-1.56	-1.92
CRMS 0162	-0.40	-0.97	-0.83	-1.16	-0.89	-0.51	-0.14	-0.06	0.12	0.05	0.26	-0.27

Figure WQ TSS 37 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.06	2.36	3.47	5.94	8.02	6.64	6.66	7.00	6.20	5.32	3.85	3.57
CRMS0276 - Just east of Wilkinson Canal	15.48	18.32	15.19	29.48	33.35	22.90	9.23	7.87	8.47	10.75	16.16	13.93
Barataria Waterway at Lafitte (USACE82875)	37.72	33.52	25.28	45.61	55.61	41.85	27.16	25.87	26.06	34.46	31.64	29.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	1.71	2.92	5.74	7.28	6.57	6.18	7.10	6.13	4.89	2.61	2.96
USGS7380251 Barataria Bay North of Grand Isle	6.24	4.21	5.10	8.73	8.95	7.04	8.41	7.69	7.39	7.87	5.35	4.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.39	3.42	6.32	9.17	8.65	6.87	6.51	6.53	5.67	5.24	4.38	3.16
USGS 07380335 - Little Lake Near Cutoff	7.28	5.14	8.09	12.07	10.70	7.63	5.46	4.97	4.35	4.79	5.70	4.40
USGS073802516 Barataria Pass at Grand Isle	5.90	4.25	7.72	11.02	10.94	9.32	7.64	7.80	5.30	6.42	5.23	4.10
HWQ14 - Lake Washington	5.79	2.96	5.92	8.77	8.13	6.05	6.00	4.85	4.42	5.45	3.98	2.99
HWQ16 - Bayou Grand Liard	14.81	14.08	13.02	18.77	17.35	13.51	7.73	11.29	7.15	8.75	12.70	11.46
CRMS 3985	10.84	7.57	6.74	10.12	10.11	6.62	8.80	6.66	6.46	8.22	7.73	7.36
CRMS 0258	2.48	9.49	6.10	13.84	20.35	7.80	6.36	6.70	6.01	5.01	6.69	6.66
CRMS 0224	3.06	2.81	5.62	8.75	9.47	8.59	7.16	7.71	6.80	6.17	3.12	2.66
CRMS 0163	40.74	31.39	21.79	30.17	40.20	38.44	30.79	30.35	31.82	34.30	27.64	24.55
CRMS 0162	55.45	63.92	48.18	54.39	64.45	46.40	38.25	36.18	29.05	42.65	49.64	50.89

V3PR9 HYST - cy 0 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.10	2.37	3.49	6.02	8.06	6.61	6.70	7.06	6.25	5.27	3.82	3.28
CRMS0276 - Just east of Wilkinson Canal	14.78	16.38	16.80	25.60	27.79	19.12	8.41	8.13	10.44	12.86	17.90	16.08
Barataria Waterway at Lafitte (USACE82875)	19.70	13.36	14.87	26.87	30.09	24.50	15.68	14.10	13.83	17.29	11.77	13.81
USGS2928590900040000 Barataria Waterway South of Lafitte	1.38	1.65	2.86	5.57	7.07	6.47	6.14	7.11	6.15	4.80	2.57	2.50
USGS7380251 Barataria Bay North of Grand Isle	6.50	4.35	5.37	9.55	10.07	7.49	8.68	7.84	7.39	7.49	5.36	4.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.14	3.29	6.03	8.63	8.84	6.97	6.47	6.43	5.60	4.98	4.57	2.99
USGS 07380335 - Little Lake Near Cutoff	7.14	4.99	7.71	10.76	10.18	7.56	5.49	4.94	4.71	5.02	6.76	4.56
USGS073802516 Barataria Pass at Grand Isle	5.79	4.18	7.58	10.52	10.91	9.34	7.79	7.64	5.23	6.28	5.39	4.12
HWQ14 - Lake Washington	6.09	3.10	5.74	9.54	9.44	6.53	6.51	5.14	4.57	5.24	3.86	3.10
HWQ16 - Bayou Grand Liard	14.83	13.93	14.34	17.74	16.14	12.92	7.95	11.57	8.14	10.19	13.65	12.36
CRMS 3985	11.02	7.71	7.26	11.92	11.67	7.09	8.59	6.40	6.24	7.16	7.76	7.50
CRMS 0258	2.37	9.55	5.77	12.93	19.42	7.29	6.20	6.58	5.93	4.40	6.29	6.56
CRMS 0224	2.89	2.61	5.19	7.70	8.51	7.95	6.87	7.26	6.57	5.72	2.59	2.11
CRMS 0163	38.03	30.12	20.77	29.26	37.28	35.56	29.18	29.26	30.93	32.33	25.94	22.89
CRMS 0162	55.50	63.57	47.70	54.69	64.45	46.71	38.52	36.44	29.38	42.73	49.35	51.08

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.05	0.02	0.01	0.08	0.04	-0.03	0.04	0.05	0.06	-0.04	-0.03	-0.29
CRMS0276 - Just east of Wilkinson Canal	-0.70	-1.94	1.61	-3.88	-5.56	-3.78	-0.82	0.25	1.97	2.11	1.75	2.15
Barataria Waterway at Lafitte (USACE82875)	-18.01	-20.16	-10.41	-18.75	-25.52	-17.35	-11.47	-11.78	-12.23	-17.17	-19.88	-16.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.06	-0.07	-0.18	-0.21	-0.10	-0.04	0.01	0.02	-0.09	-0.04	-0.46
USGS7380251 Barataria Bay North of Grand Isle	0.26	0.14	0.27	0.82	1.12	0.44	0.27	0.15	0.00	-0.39	0.01	0.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.26	-0.13	-0.29	-0.54	0.19	0.10	-0.04	-0.10	-0.07	-0.27	0.19	-0.17
USGS 07380335 - Little Lake Near Cutoff	-0.14	-0.15	-0.38	-1.32	-0.52	-0.07	0.03	-0.03	0.36	0.23	1.06	0.16
USGS073802516 Barataria Pass at Grand Isle	-0.11	-0.07	-0.14	-0.50	-0.03	0.02	0.15	-0.16	-0.06	-0.15	0.16	0.01
HWQ14 - Lake Washington	0.30	0.14	-0.19	0.77	1.31	0.47	0.52	0.29	0.15	-0.21	-0.12	0.11
HWQ16 - Bayou Grand Liard	0.02	-0.15	1.32	-1.04	-1.20	-0.59	0.21	0.29	0.99	1.44	0.96	0.90
CRMS 3985	0.18	0.14	0.53	1.81	1.56	0.47	-0.22	-0.26	-0.22	-1.06	0.02	0.14
CRMS 0258	-0.12	0.06	-0.33	-0.91	-0.93	-0.51	-0.16	-0.11	-0.08	-0.61	-0.39	-0.10
CRMS 0224	-0.17	-0.20	-0.43	-1.05	-0.97	-0.64	-0.30	-0.45	-0.23	-0.44	-0.53	-0.54
CRMS 0163	-2.71	-1.27	-1.02	-0.91	-2.93	-2.88	-1.60	-1.09	-0.89	-1.97	-1.69	-1.66
CRMS 0162	0.04	-0.35	-0.47	0.29	0.00	0.31	0.27	0.26	0.33	0.07	-0.29	0.18

Figure WQ TSS 38 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.93	3.28	5.05	7.91	8.97	8.03	9.17	9.57	6.76	5.53	2.62	3.17
CRMS0276 - Just east of Wilkinson Canal	20.44	40.24	34.14	49.36	49.93	50.14	21.99	22.25	24.57	14.47	12.89	13.33
Barataria Waterway at Lafitte (USACE82875)	52.41	72.26	50.36	73.18	73.17	76.73	58.17	51.04	39.25	37.33	22.88	23.28
USGS2928590900040000 Barataria Waterway South of Lafitte	1.43	2.00	3.75	7.00	8.20	6.52	4.84	4.82	5.39	4.73	1.84	2.34
USGS7380251 Barataria Bay North of Grand Isle	7.16	5.87	5.69	8.26	7.49	7.31	11.64	8.54	7.62	6.23	3.97	3.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.23	5.46	9.29	11.59	10.31	7.54	7.81	8.99	7.40	6.27	4.08	2.55
USGS 07380335 - Little Lake Near Cutoff	7.83	9.52	14.51	17.95	15.26	10.01	7.05	10.56	7.60	7.54	5.61	3.91
USGS073802516 Barataria Pass at Grand Isle	5.94	7.43	12.14	15.35	15.12	12.45	9.34	12.88	8.11	8.29	4.98	3.44
HWQ14 - Lake Washington	5.45	3.93	6.59	7.40	6.53	5.39	7.50	5.87	4.52	4.56	3.08	2.34
HWQ16 - Bayou Grand Liard	20.79	32.18	31.68	34.56	30.67	32.51	20.13	19.00	13.22	9.00	10.62	10.77
CRMS 3985	12.90	10.80	5.51	6.35	4.97	6.98	16.46	5.80	7.38	5.57	5.22	6.20
CRMS 0258	10.65	16.93	15.83	23.30	27.39	29.55	26.36	24.44	10.74	7.15	1.50	2.59
CRMS 0224	2.74	4.40	8.18	12.03	11.82	10.23	6.82	7.44	8.54	7.91	2.65	1.13
CRMS 0163	52.94	67.71	41.51	54.41	52.73	60.33	55.83	49.81	43.31	35.83	17.66	19.36
CRMS 0162	97.59	136.98	90.88	109.93	104.98	102.40	90.66	70.20	51.02	44.40	28.08	40.78

V3PR9 HYST - cy 0 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.00	3.33	5.04	7.75	8.66	7.80	9.25	9.64	6.77	5.58	2.63	3.23
CRMS0276 - Just east of Wilkinson Canal	19.35	36.05	32.15	46.55	44.19	45.18	20.15	19.99	19.00	13.93	13.14	14.10
Barataria Waterway at Lafitte (USACE82875)	24.00	29.84	28.68	44.09	43.32	46.77	29.33	25.63	26.75	23.45	11.45	7.76
USGS2928590900040000 Barataria Waterway South of Lafitte	1.42	1.92	3.58	6.58	7.64	6.03	4.62	4.64	5.23	4.53	1.68	2.19
USGS7380251 Barataria Bay North of Grand Isle	7.41	6.16	6.13	8.57	7.46	7.63	12.17	8.74	7.94	7.53	4.73	3.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.98	5.18	8.77	11.02	9.76	7.36	7.64	8.78	7.08	5.95	4.40	2.62
USGS 07380335 - Little Lake Near Cutoff	7.70	9.09	13.60	16.83	14.07	9.44	7.04	10.29	6.68	6.82	6.27	4.25
USGS073802516 Barataria Pass at Grand Isle	5.82	7.23	11.65	14.83	14.37	12.33	9.42	12.63	7.80	7.90	5.13	3.61
HWQ14 - Lake Washington	5.82	4.16	6.84	7.72	6.56	5.71	8.49	6.09	4.89	5.28	3.76	2.54
HWQ16 - Bayou Grand Liard	20.59	31.61	30.89	33.55	28.99	32.14	19.90	18.69	12.67	10.20	11.07	11.02
CRMS 3985	13.06	11.46	6.88	7.23	5.34	7.61	16.68	5.94	7.65	7.80	6.07	6.31
CRMS 0258	10.65	17.14	15.64	22.53	26.93	29.38	26.25	24.44	10.54	6.64	1.23	2.76
CRMS 0224	2.60	4.06	7.53	10.66	10.57	8.98	6.39	7.20	8.06	7.42	2.35	1.01
CRMS 0163	51.18	68.76	40.95	55.63	52.71	60.09	53.92	48.34	42.09	34.25	16.57	17.66
CRMS 0162	96.59	135.87	89.55	109.33	103.89	101.69	89.98	69.95	51.05	44.51	28.25	40.83

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.07	0.05	-0.01	-0.16	-0.31	-0.23	0.08	0.07	0.01	0.06	0.00	0.06
CRMS0276 - Just east of Wilkinson Canal	-1.08	-4.20	-2.00	-2.81	-5.74	-4.96	-1.84	-2.26	-5.57	-0.54	0.26	0.76
Barataria Waterway at Lafitte (USACE82875)	-28.41	-42.42	-21.67	-29.09	-29.85	-29.95	-28.83	-25.41	-12.50	-13.88	-11.43	-15.52
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.01	-0.09	-0.17	-0.42	-0.55	-0.48	-0.22	-0.18	-0.16	-0.21	-0.16	-0.15
USGS7380251 Barataria Bay North of Grand Isle	0.25	0.30	0.44	0.31	-0.03	0.32	0.53	0.20	0.32	1.30	0.77	0.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.26	-0.28	-0.52	-0.57	-0.55	-0.18	-0.17	-0.21	-0.31	-0.33	0.32	0.06
USGS 07380335 - Little Lake Near Cutoff	-0.13	-0.43	-0.91	-1.11	-1.20	-0.57	-0.01	-0.27	-0.92	-0.72	0.66	0.33
USGS073802516 Barataria Pass at Grand Isle	-0.12	-0.20	-0.50	-0.53	-0.75	-0.12	0.08	-0.25	-0.31	-0.40	0.15	0.17
HWQ14 - Lake Washington	0.37	0.23	0.25	0.32	0.03	0.32	0.99	0.22	0.37	0.72	0.68	0.20
HWQ16 - Bayou Grand Liard	-0.19	-0.57	-0.79	-1.00	-1.68	-0.37	-0.23	-0.31	-0.55	1.20	0.45	0.26
CRMS 3985	0.15	0.67	1.37	0.88	0.37	0.63	0.23	0.14	0.28	2.23	0.84	0.12
CRMS 0258	0.00	0.22	-0.20	-0.77	-0.46	-0.18	-0.11	0.00	-0.20	-0.51	-0.27	0.17
CRMS 0224	-0.13	-0.35	-0.66	-1.36	-1.25	-1.25	-0.43	-0.24	-0.47	-0.49	-0.30	-0.12
CRMS 0163	-1.77	1.05	-0.56	1.22	-0.02	-0.24	-1.91	-1.47	-1.22	-1.59	-1.08	-1.70
CRMS 0162	-1.00	-1.11	-1.33	-0.60	-1.09	-0.72	-0.68	-0.24	0.03	0.11	0.17	0.06

Figure WQ TSS 39 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.89	1.01	4.59	8.01	10.04	8.44	8.91	9.18	6.37	5.52	2.55	4.28
CRMS0276 - Just east of Wilkinson Canal	33.23	9.73	25.68	54.25	76.35	70.18	28.84	20.58	21.48	12.57	11.84	24.40
Barataria Waterway at Lafitte (USACE82875)	47.78	16.09	49.11	76.64	108.68	100.34	61.16	46.02	36.73	34.00	22.72	50.98
USGS2928590900040000 Barataria Waterway South of Lafitte	1.79	0.72	2.96	7.38	9.52	7.42	4.92	4.59	4.78	4.51	1.74	3.03
USGS7380251 Barataria Bay North of Grand Isle	7.79	3.17	6.07	9.11	8.27	7.48	7.25	7.02	7.44	7.13	4.23	5.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.73	3.51	7.40	13.11	12.12	9.09	7.79	8.64	6.67	6.02	4.16	3.26
USGS 07380335 - Little Lake Near Cutoff	14.73	4.69	10.13	20.32	20.24	14.02	10.51	10.30	6.53	6.57	5.68	5.10
USGS073802516 Barataria Pass at Grand Isle	10.26	3.97	9.20	17.40	19.88	17.90	12.96	12.59	6.77	7.65	4.81	4.62
HWQ14 - Lake Washington	7.08	2.85	6.29	8.63	7.04	5.77	4.40	4.26	4.23	5.14	3.42	2.83
HWQ16 - Bayou Grand Liard	34.08	8.13	23.95	40.07	53.33	54.19	28.88	17.84	11.21	8.53	10.00	18.10
CRMS 3985	12.82	5.55	9.51	7.70	5.61	5.20	3.43	3.19	7.80	7.12	5.63	9.34
CRMS 0258	4.45	0.82	15.69	24.40	34.72	36.25	27.13	21.06	7.03	6.78	1.91	13.14
CRMS 0224	5.02	2.05	5.97	13.47	15.47	13.29	7.98	7.50	7.84	7.36	2.29	2.00
CRMS 0163	41.53	16.32	45.17	58.10	87.23	81.82	56.94	45.91	41.84	32.99	17.95	47.73
CRMS 0162	59.00	33.05	104.74	116.06	175.44	155.12	94.72	61.65	47.06	37.40	30.31	104.15

V3PR9 HYST - cy 0 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.95	1.00	4.57	7.93	9.75	8.09	9.13	9.03	6.27	5.35	2.58	4.35
CRMS0276 - Just east of Wilkinson Canal	31.72	10.82	26.13	50.14	70.72	63.82	24.35	18.65	15.94	12.38	11.74	24.27
Barataria Waterway at Lafitte (USACE82875)	29.80	6.74	17.43	44.88	65.24	65.11	32.31	24.08	24.81	21.06	8.44	18.78
USGS2928590900040000 Barataria Waterway South of Lafitte	1.71	0.67	2.90	6.83	8.97	6.80	4.66	4.33	4.51	4.25	1.68	2.91
USGS7380251 Barataria Bay North of Grand Isle	8.08	3.24	6.31	10.51	8.38	8.06	12.75	8.52	7.68	7.43	4.95	5.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.15	3.40	7.00	11.93	11.75	8.19	8.00	8.79	6.81	5.81	4.16	3.28
USGS 07380335 - Little Lake Near Cutoff	14.12	4.64	9.58	17.71	19.00	11.82	7.90	10.30	6.13	6.36	5.77	5.54
USGS073802516 Barataria Pass at Grand Isle	9.87	3.91	8.93	16.04	19.72	15.87	10.51	12.72	7.45	7.67	4.77	4.80
HWQ14 - Lake Washington	7.43	2.92	6.12	10.12	7.42	5.98	9.01	6.26	4.82	5.35	3.89	3.04
HWQ16 - Bayou Grand Liard	33.47	8.35	24.24	37.29	53.17	53.10	25.95	17.42	11.12	9.84	10.02	19.07
CRMS 3985	13.03	5.60	10.11	11.08	5.96	8.60	17.54	5.98	7.45	7.53	6.57	9.49
CRMS 0258	4.24	0.78	15.56	23.26	33.57	36.16	26.62	20.99	6.88	6.31	1.73	13.25
CRMS 0224	4.65	1.97	5.47	11.26	13.86	11.62	6.80	7.11	7.43	7.02	2.21	1.80
CRMS 0163	38.59	15.21	45.52	59.16	93.08	84.65	55.15	44.30	40.33	30.90	16.65	47.56
CRMS 0162	58.89	33.13	103.55	115.45	174.75	154.06	93.66	61.32	46.90	36.96	30.19	103.40

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.06	-0.01	-0.01	-0.09	-0.30	-0.34	0.22	-0.15	-0.10	-0.16	0.02	0.06
CRMS0276 - Just east of Wilkinson Canal	-1.51	1.10	0.45	-4.12	-5.64	-6.36	-4.49	-1.94	-5.53	-0.19	-0.10	-0.13
Barataria Waterway at Lafitte (USACE82875)	-17.98	-9.35	-31.68	-31.76	-43.44	-35.23	-28.85	-21.95	-11.92	-12.94	-14.28	-32.20
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.08	-0.04	-0.06	-0.55	-0.55	-0.62	-0.26	-0.26	-0.27	-0.25	-0.06	-0.12
USGS7380251 Barataria Bay North of Grand Isle	0.29	0.08	0.24	1.39	0.11	0.58	5.50	1.51	0.23	0.30	0.72	0.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.58	-0.12	-0.41	-1.18	-0.37	-0.90	0.21	0.15	0.14	-0.21	0.00	0.02
USGS 07380335 - Little Lake Near Cutoff	-0.61	-0.05	-0.55	-2.61	-1.24	-2.20	-2.61	0.00	-0.40	-0.20	0.09	0.44
USGS073802516 Barataria Pass at Grand Isle	-0.39	-0.06	-0.26	-1.36	-0.16	-2.03	-2.45	0.13	0.68	0.02	-0.04	0.17
HWQ14 - Lake Washington	0.35	0.07	-0.17	1.49	0.38	0.22	4.62	2.00	0.59	0.21	0.47	0.21
HWQ16 - Bayou Grand Liard	-0.62	0.22	0.29	-2.77	-0.17	-1.09	-2.93	-0.42	-0.09	1.31	0.02	0.97
CRMS 3985	0.21	0.05	0.60	3.38	0.36	3.40	14.12	2.79	-0.36	0.41	0.93	0.16
CRMS 0258	-0.21	-0.04	-0.13	-1.14	-1.14	-0.09	-0.52	-0.07	-0.16	-0.47	-0.18	0.11
CRMS 0224	-0.37	-0.08	-0.49	-2.21	-1.61	-1.68	-1.17	-0.39	-0.41	-0.34	-0.09	-0.20
CRMS 0163	-2.95	-1.11	0.35	1.06	5.85	2.83	-1.79	-1.61	-1.51	-2.09	-1.30	-0.17
CRMS 0162	-0.10	0.07	-1.19	-0.61	-0.69	-1.06	-1.06	-0.33	-0.15	-0.44	-0.12	-0.75

Figure WQ TSS 40 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.49	5.31	7.02	9.15	9.13	7.57	7.21	6.14	6.13	5.92	5.06	6.71
CRMS0276 - Just east of Wilkinson Canal	40.54	72.80	60.28	66.38	54.32	38.21	23.76	17.73	31.15	33.09	42.45	47.11
Barataria Waterway at Lafitte (USACE82875)	119.81	113.51	96.58	86.92	69.95	61.29	59.04	52.65	63.80	77.74	86.95	91.55
USGS2928590900040000 Barataria Waterway South of Lafitte	3.47	4.34	5.60	9.56	9.79	7.31	5.10	4.56	4.74	4.74	3.80	4.38
USGS7380251 Barataria Bay North of Grand Isle	11.40	6.31	8.01	8.47	7.42	6.62	6.70	7.22	10.62	10.28	8.93	10.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.21	11.40	13.64	16.38	11.51	7.56	7.03	7.67	7.35	7.98	9.76	7.69
USGS 07380335 - Little Lake Near Cutoff	13.90	21.34	22.35	26.75	17.77	9.90	8.97	7.96	8.28	10.34	13.99	12.14
USGS073802516 Barataria Pass at Grand Isle	9.20	15.19	17.42	22.16	17.63	12.16	11.04	10.53	7.63	10.21	10.67	9.94
HWQ14 - Lake Washington	6.67	4.57	7.67	7.66	6.58	5.10	4.18	4.29	5.85	6.84	6.47	6.33
HWQ16 - Bayou Grand Liard	36.60	52.96	52.43	53.98	37.41	23.46	18.46	14.07	13.59	16.53	28.44	29.25
CRMS 3985	18.73	9.44	6.99	5.47	4.56	3.91	3.24	7.68	13.58	13.49	16.13	19.67
CRMS 0258	24.11	24.44	23.52	25.39	23.83	24.21	18.94	6.88	7.52	9.67	7.88	13.47
CRMS 0224	5.67	12.12	12.90	20.12	17.19	12.75	9.65	9.59	11.16	10.67	7.78	5.82
CRMS 0163	134.58	120.90	93.42	82.87	57.17	55.76	60.14	57.25	77.42	89.94	101.65	103.05
CRMS 0162	204.54	173.14	155.14	126.32	87.75	78.18	83.68	75.21	96.16	130.94	132.06	156.31

V3PR2 HYST - cy 1 - 1975 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	266.99	238.12	213.53	179.46	139.88	113.90	89.70	81.71	100.08	131.09	142.33	155.05
CRMS0276 - Just east of Wilkinson Canal	45.03	65.83	51.26	62.76	49.20	33.45	22.10	18.75	31.65	32.54	41.41	45.35
Barataria Waterway at Lafitte (USACE82875)	119.13	113.51	96.04	87.05	69.93	60.64	58.96	53.74	64.83	79.21	88.95	93.15
USGS2928590900040000 Barataria Waterway South of Lafitte	209.85	187.60	167.46	134.68	102.26	84.86	63.18	46.02	39.44	53.87	32.00	43.72
USGS7380251 Barataria Bay North of Grand Isle	58.67	68.44	65.78	58.85	48.97	36.51	24.35	14.48	12.39	13.24	16.09	14.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	87.32	95.41	88.62	72.25	53.25	46.95	31.26	13.67	13.61	15.73	16.34	14.94
USGS 07380335 - Little Lake Near Cutoff	59.49	71.85	70.76	61.05	44.78	37.56	25.82	10.92	11.28	13.04	16.23	14.30
USGS073802516 Barataria Pass at Grand Isle	33.83	43.24	39.82	40.69	28.53	21.04	18.96	12.90	9.64	12.27	12.60	11.12
HWQ14 - Lake Washington	14.82	24.69	20.73	26.90	18.99	13.17	9.25	5.47	5.22	6.74	7.40	7.11
HWQ16 - Bayou Grand Liard	36.20	53.80	50.45	51.21	35.75	24.73	19.08	13.28	14.15	16.32	27.75	27.70
CRMS 3985	18.84	20.57	20.19	24.48	20.79	14.23	7.51	3.96	6.08	8.76	12.80	17.65
CRMS 0258	58.29	46.46	40.34	40.43	37.18	34.23	25.60	9.74	8.19	11.49	8.64	15.26
CRMS 0224	57.98	52.39	44.73	46.48	38.56	33.21	25.99	15.33	14.81	15.58	10.55	10.30
CRMS 0163	133.40	119.86	93.53	82.87	56.88	55.66	60.03	58.18	78.62	90.88	102.78	104.11
CRMS 0162	201.77	171.61	152.68	124.48	86.24	76.99	83.12	75.94	97.38	130.59	132.55	156.52

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	258.50	232.81	206.51	170.31	130.75	106.33	82.49	75.57	93.95	125.16	137.27	148.35
CRMS0276 - Just east of Wilkinson Canal	4.49	-6.97	-9.02	-3.62	-5.11	-4.75	-1.66	1.02	0.50	-0.55	-1.04	-1.76
Barataria Waterway at Lafitte (USACE82875)	-0.68	0.00	-0.54	0.13	-0.03	-0.65	-0.08	1.09	1.03	1.47	2.00	1.59
USGS2928590900040000 Barataria Waterway South of Lafitte	206.38	183.26	161.86	125.13	92.47	77.55	58.08	41.47	34.70	49.13	28.20	39.34
USGS7380251 Barataria Bay North of Grand Isle	47.28	62.14	57.78	50.38	41.55	29.89	17.65	7.27	1.77	2.96	7.17	4.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	79.10	84.01	74.97	55.87	41.74	39.39	24.24	6.00	6.26	7.76	6.58	7.24
USGS 07380335 - Little Lake Near Cutoff	45.60	50.50	48.41	34.30	27.01	27.66	16.86	2.97	3.00	2.70	2.24	2.16
USGS073802516 Barataria Pass at Grand Isle	24.64	28.05	22.40	18.53	10.90	8.88	7.92	2.37	2.02	2.06	1.93	1.18
HWQ14 - Lake Washington	8.15	20.11	13.05	19.24	12.42	8.07	5.07	1.18	-0.63	-0.10	0.93	0.78
HWQ16 - Bayou Grand Liard	-0.40	0.83	-1.98	-2.76	-1.66	1.27	0.63	-0.78	0.56	-0.21	-0.69	-1.54
CRMS 3985	0.11	11.13	13.20	19.01	16.23	10.32	4.27	-3.73	-7.50	-4.72	-3.34	-2.02
CRMS 0258	34.18	22.02	16.82	15.03	13.35	10.01	6.66	2.86	0.67	1.82	0.76	1.79
CRMS 0224	52.31	40.27	31.83	26.35	21.37	20.46	16.34	5.75	3.64	4.91	2.78	4.48
CRMS 0163	-1.18	-1.04	0.11	0.01	-0.28	-0.10	-0.11	0.93	1.20	0.94	1.13	1.06
CRMS 0162	-2.76	-1.54	-2.46	-1.84	-1.51	-1.19	-0.56	0.74	1.22	-0.34	0.49	0.21

Figure WQ TSS 41 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.68	4.67	6.59	8.44	9.30	7.19	6.54	6.68	6.06	5.46	2.90	7.29
CRMS0276 - Just east of Wilkinson Canal	41.68	62.68	51.92	51.72	52.89	30.35	19.14	19.44	24.65	17.69	33.15	62.56
Barataria Waterway at Lafitte (USACE82875)	79.82	100.65	81.65	69.08	70.28	50.44	58.61	58.26	56.92	53.07	81.01	121.61
USGS2928590900040000 Barataria Waterway South of Lafitte	2.78	3.64	5.45	8.66	10.03	6.95	4.86	4.83	4.81	4.52	2.36	3.94
USGS7380251 Barataria Bay North of Grand Isle	9.22	6.93	7.93	8.34	7.65	6.66	6.19	11.11	9.61	8.48	5.10	10.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.27	8.91	13.34	13.59	11.62	7.38	6.64	7.57	7.24	6.54	6.22	7.54
USGS 07380335 - Little Lake Near Cutoff	15.78	16.82	21.29	20.92	18.27	9.04	7.67	7.70	7.61	7.13	9.46	13.79
USGS073802516 Barataria Pass at Grand Isle	10.73	12.10	16.87	18.13	18.29	11.23	9.61	10.03	7.64	8.14	7.37	10.58
HWQ14 - Lake Washington	6.85	4.27	8.07	7.70	6.67	5.18	4.01	4.73	5.52	5.85	4.14	5.26
HWQ16 - Bayou Grand Liard	35.19	46.63	49.31	39.27	40.46	17.50	12.85	15.12	12.26	9.94	19.59	39.02
CRMS 3985	14.78	12.08	7.53	6.15	5.06	4.02	3.95	16.08	11.37	9.54	6.07	19.17
CRMS 0258	14.99	20.45	19.12	22.24	24.20	18.74	13.39	7.29	7.44	7.18	2.29	26.05
CRMS 0224	6.55	9.55	12.60	16.54	18.20	12.01	9.09	9.46	10.53	8.86	4.72	6.31
CRMS 0163	82.97	107.11	79.25	68.59	54.43	47.82	63.25	58.83	64.97	58.63	95.72	135.95
CRMS 0162	126.79	156.79	134.61	106.05	88.22	62.23	91.85	79.79	76.18	74.28	120.92	203.00

V3PR2 HYST - cy 1 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	150.76	217.83	185.36	162.20	133.91	72.01	93.41	82.91	82.29	90.40	137.72	246.96
CRMS0276 - Just east of Wilkinson Canal	39.73	55.82	44.16	48.21	49.34	29.39	18.39	20.16	24.65	17.80	32.02	55.70
Barataria Waterway at Lafitte (USACE82875)	79.75	100.77	82.31	69.47	70.53	50.58	59.38	60.14	57.51	54.06	81.59	121.84
USGS2928590900040000 Barataria Waterway South of Lafitte	100.77	170.29	141.98	119.71	95.92	41.81	56.09	48.71	38.52	40.90	28.90	148.33
USGS7380251 Barataria Bay North of Grand Isle	31.46	58.46	55.67	51.36	45.76	18.29	13.27	13.54	11.12	10.68	14.66	43.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	49.43	86.26	75.25	60.82	52.17	20.98	13.25	13.33	12.91	12.50	13.21	61.81
USGS 07380335 - Little Lake Near Cutoff	38.26	65.09	61.43	49.92	45.49	19.10	10.57	10.74	10.01	9.43	11.42	42.28
USGS073802516 Barataria Pass at Grand Isle	26.55	37.39	34.93	32.93	29.98	16.53	11.10	12.52	9.07	9.90	9.54	21.53
HWQ14 - Lake Washington	13.68	19.83	18.55	22.16	20.11	10.42	5.44	4.73	4.91	5.74	6.46	12.80
HWQ16 - Bayou Grand Liard	36.21	45.84	45.83	38.34	38.50	18.85	12.99	15.60	12.12	9.72	18.61	37.23
CRMS 3985	17.10	19.97	18.38	21.04	20.86	8.42	3.77	3.68	6.77	6.18	13.32	24.63
CRMS 0258	28.85	40.97	34.30	34.13	37.57	20.59	15.32	9.67	7.53	8.36	2.99	38.39
CRMS 0224	31.57	46.86	39.11	38.08	40.10	18.59	13.96	14.61	13.51	12.66	7.82	32.98
CRMS 0163	82.29	107.39	79.32	68.27	54.34	47.77	63.75	60.09	65.82	58.10	94.47	135.16
CRMS 0162	124.69	155.62	132.55	104.48	86.64	61.90	92.00	81.32	76.06	73.71	117.56	201.92

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	145.09	213.16	178.77	153.76	124.61	64.81	86.86	76.23	76.23	84.94	134.82	239.67
CRMS0276 - Just east of Wilkinson Canal	-1.95	-6.86	-7.76	-3.50	-3.55	-0.96	-0.76	0.72	0.00	0.11	-1.13	-6.86
Barataria Waterway at Lafitte (USACE82875)	-0.07	0.11	0.66	0.39	0.25	0.13	0.76	1.88	0.59	0.99	0.59	0.23
USGS2928590900040000 Barataria Waterway South of Lafitte	97.99	166.65	136.53	111.04	85.89	34.85	51.23	43.88	33.71	36.38	26.54	144.39
USGS7380251 Barataria Bay North of Grand Isle	22.25	51.54	47.74	43.02	38.11	11.63	7.07	2.42	1.51	2.20	9.56	32.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	40.16	77.36	61.92	47.23	40.55	13.61	6.61	5.76	5.67	5.97	6.99	54.27
USGS 07380335 - Little Lake Near Cutoff	22.48	48.26	40.14	29.00	27.22	10.06	2.90	3.04	2.40	2.30	1.96	28.49
USGS073802516 Barataria Pass at Grand Isle	15.82	25.28	18.06	14.80	11.69	5.30	1.50	2.48	1.43	1.76	2.17	10.95
HWQ14 - Lake Washington	6.84	15.56	10.48	14.46	13.44	5.24	1.43	0.01	-0.61	-0.11	2.32	7.54
HWQ16 - Bayou Grand Liard	1.02	-0.79	-3.47	-0.93	-1.96	1.35	0.14	0.48	-0.14	-0.21	-0.98	-1.80
CRMS 3985	2.33	7.88	10.84	14.90	15.80	4.40	-0.18	-12.40	-4.60	-3.35	7.25	5.46
CRMS 0258	13.86	20.52	15.18	11.88	13.37	1.85	1.93	2.37	0.09	1.19	0.70	12.35
CRMS 0224	25.02	37.31	26.51	21.53	21.90	6.58	4.87	5.15	2.98	3.79	3.10	26.67
CRMS 0163	-0.68	0.27	0.07	-0.32	-0.09	-0.05	0.50	1.26	0.84	-0.53	-1.26	-0.80
CRMS 0162	-2.10	-1.17	-2.06	-1.57	-1.58	-0.33	0.15	1.52	-0.11	-0.57	-3.36	-1.08

Figure WQ TSS 42 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.92	5.96	5.87	8.38	10.55	6.12	6.20	6.20	5.57	5.62	7.05	7.34
CRMS0276 - Just east of Wilkinson Canal	22.85	89.57	54.92	84.95	75.45	44.16	14.00	9.74	12.96	26.23	52.15	56.80
Barataria Waterway at Lafitte (USACE82875)	70.24	141.73	98.19	105.79	111.19	78.01	46.80	43.33	33.84	85.00	113.77	100.16
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	4.66	4.75	9.23	10.27	6.43	5.18	5.61	4.91	4.24	4.22	5.22
USGS7380251 Barataria Bay North of Grand Isle	8.07	10.21	10.33	12.60	8.96	6.95	13.22	10.22	8.98	13.06	8.92	10.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.43	10.19	11.48	16.05	11.55	7.63	7.45	7.34	6.09	6.63	9.96	9.19
USGS 07380335 - Little Lake Near Cutoff	9.49	20.69	16.63	25.54	18.70	10.57	7.06	6.37	4.88	7.21	14.97	16.01
USGS073802516 Barataria Pass at Grand Isle	7.00	14.53	14.04	20.89	17.96	12.63	8.62	8.71	6.30	7.75	11.25	12.45
HWQ14 - Lake Washington	5.93	5.26	9.78	11.54	6.80	5.29	8.10	6.33	5.63	7.86	6.52	6.07
HWQ16 - Bayou Grand Liard	19.04	60.05	35.17	56.40	42.99	27.84	12.21	12.63	6.89	11.20	34.48	39.24
CRMS 3985	14.84	18.57	15.96	14.29	5.78	7.80	19.35	11.48	8.46	19.39	9.76	18.51
CRMS 0258	4.99	26.79	16.61	28.50	34.46	9.36	5.86	5.65	5.76	5.71	20.47	19.79
CRMS 0224	4.08	10.82	9.96	20.23	17.89	12.46	7.81	8.27	7.98	7.75	8.14	8.81
CRMS 0163	91.14	151.57	111.68	91.36	97.15	74.59	50.28	44.85	37.27	105.21	135.15	111.34
CRMS 0162	129.21	197.76	163.05	125.56	141.57	102.91	77.08	57.64	30.10	148.24	180.54	163.92

V3PR2 HYST - cy 1 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.04	246.61	223.16	144.43	190.72	112.38	87.29	56.25	47.49	151.23	182.02	158.16
CRMS0276 - Just east of Wilkinson Canal	22.58	83.17	52.82	85.00	70.33	43.00	15.42	10.62	13.10	26.61	51.68	55.46
Barataria Waterway at Lafitte (USACE82875)	72.18	142.58	101.40	107.42	111.05	79.26	49.12	45.13	34.55	86.01	114.91	102.25
USGS2928590900040000 Barataria Waterway South of Lafitte	64.79	170.20	126.05	60.92	129.96	49.00	51.07	38.37	23.01	58.62	40.73	43.90
USGS7380251 Barataria Bay North of Grand Isle	16.73	61.24	45.27	39.73	58.48	16.52	12.01	11.75	9.19	13.64	19.93	16.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.63	81.95	55.22	46.14	66.41	18.37	12.42	11.14	8.91	14.75	19.54	17.67
USGS 07380335 - Little Lake Near Cutoff	11.61	64.76	41.03	47.33	51.02	16.90	10.34	7.89	5.96	10.42	19.00	18.57
USGS073802516 Barataria Pass at Grand Isle	8.89	41.82	26.60	36.35	30.02	16.35	10.48	9.60	6.63	9.93	14.83	14.30
HWQ14 - Lake Washington	7.03	19.89	16.43	23.89	17.79	9.01	5.17	4.45	4.27	6.57	8.83	8.66
HWQ16 - Bayou Grand Liard	18.69	59.62	36.84	58.79	42.44	28.73	13.20	12.69	7.10	11.24	35.06	38.02
CRMS 3985	14.63	21.98	13.50	20.24	19.25	7.20	3.76	3.45	4.73	10.15	17.32	20.04
CRMS 0258	7.93	40.38	20.84	31.78	44.19	10.75	8.33	8.24	6.22	7.84	21.80	21.20
CRMS 0224	9.08	43.43	25.78	32.06	40.88	17.16	12.83	12.55	10.25	12.86	12.24	12.20
CRMS 0163	91.52	151.21	111.67	92.03	96.28	74.69	51.69	45.74	38.11	105.05	134.19	110.97
CRMS 0162	127.84	196.21	160.49	124.99	138.21	103.44	78.72	57.56	29.76	149.58	177.42	164.09

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	161.12	240.65	217.29	136.05	180.17	106.26	81.09	50.05	41.93	145.61	174.97	150.82
CRMS0276 - Just east of Wilkinson Canal	-0.27	-6.39	-2.10	0.04	-5.12	-1.17	1.42	0.88	0.14	0.39	-0.47	-1.34
Barataria Waterway at Lafitte (USACE82875)	1.94	0.86	3.21	1.63	-0.14	1.25	2.32	1.80	0.70	1.01	1.14	2.09
USGS2928590900040000 Barataria Waterway South of Lafitte	63.05	165.54	121.30	51.69	119.69	42.57	45.89	32.77	18.09	54.38	36.52	38.68
USGS7380251 Barataria Bay North of Grand Isle	8.66	51.03	34.94	27.13	49.52	9.57	-1.21	1.53	0.21	0.59	11.02	6.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.19	71.76	43.74	30.09	54.86	10.74	4.97	3.80	2.83	8.12	9.59	8.48
USGS 07380335 - Little Lake Near Cutoff	2.13	44.07	24.40	21.79	32.32	6.33	3.28	1.52	1.08	3.21	4.03	2.56
USGS073802516 Barataria Pass at Grand Isle	1.89	27.29	12.56	15.46	12.06	3.72	1.86	0.89	0.33	2.19	3.57	1.85
HWQ14 - Lake Washington	1.10	14.63	6.65	12.35	10.98	3.72	-2.93	-1.88	-1.36	-1.29	2.31	2.58
HWQ16 - Bayou Grand Liard	-0.35	-0.43	1.67	2.39	-0.55	0.89	0.99	0.06	0.21	0.03	0.58	-1.22
CRMS 3985	-0.20	3.40	-2.46	5.95	13.47	-0.60	-15.59	-8.03	-3.73	-9.24	7.56	1.53
CRMS 0258	2.94	13.59	4.23	3.28	9.73	1.38	2.47	2.59	0.47	2.13	1.33	1.41
CRMS 0224	5.00	32.61	15.82	11.83	22.99	4.70	5.02	4.28	2.27	5.11	4.10	3.39
CRMS 0163	0.38	-0.36	-0.01	0.67	-0.88	0.11	1.41	0.89	0.84	-0.16	-0.97	-0.36
CRMS 0162	-1.38	-1.55	-2.56	-0.57	-3.36	0.54	1.63	-0.09	-0.34	1.34	-3.12	0.16

Figure WQ TSS 43 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.39	3.97	5.58	8.27	9.70	7.94	8.24	8.93	7.02	6.23	3.29	5.86
CRMS0276 - Just east of Wilkinson Canal	26.93	54.98	32.67	56.92	61.85	49.35	31.87	32.97	42.80	29.72	23.90	31.36
Barataria Waterway at Lafitte (USACE82875)	61.96	82.84	51.96	72.12	87.95	71.61	74.27	75.41	66.59	67.99	53.04	77.69
USGS2928590900040000 Barataria Waterway South of Lafitte	2.01	3.08	4.72	8.29	9.70	7.66	5.13	5.29	6.21	5.33	2.78	3.46
USGS7380251 Barataria Bay North of Grand Isle	7.68	6.58	5.62	8.31	7.95	7.01	7.37	7.65	10.19	9.36	6.39	8.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.28	8.06	9.80	12.90	10.77	8.18	7.48	9.64	8.07	7.87	6.71	5.33
USGS 07380335 - Little Lake Near Cutoff	10.04	15.19	14.88	20.63	16.73	11.55	10.15	12.73	10.62	10.13	9.08	7.77
USGS073802516 Barataria Pass at Grand Isle	7.32	11.14	12.25	17.25	16.32	14.12	12.38	14.89	8.80	10.11	7.55	6.86
HWQ14 - Lake Washington	5.46	4.39	6.24	7.28	6.36	5.22	4.04	4.34	5.14	6.10	4.97	4.86
HWQ16 - Bayou Grand Liard	24.50	43.49	27.72	40.65	36.22	32.87	27.82	27.15	22.94	15.12	15.83	20.18
CRMS 3985	13.11	11.02	4.42	6.29	5.12	4.42	3.48	3.58	13.17	11.52	11.02	18.43
CRMS 0258	10.53	15.03	15.29	21.98	28.07	26.95	27.37	27.64	14.07	9.16	2.62	8.30
CRMS 0224	4.23	8.25	9.84	16.34	16.17	15.40	10.46	11.49	14.11	11.23	5.46	3.54
CRMS 0163	71.03	86.97	54.90	65.85	77.81	64.25	75.56	79.49	74.76	75.69	56.58	87.63
CRMS 0162	105.48	129.05	92.09	96.69	113.62	94.23	114.60	109.23	97.57	107.56	69.67	136.11

V3PR2 HYST - cy 1 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	152.31	178.40	143.86	145.14	172.40	137.40	148.86	124.74	96.18	106.49	86.98	140.63
CRMS0276 - Just east of Wilkinson Canal	29.58	49.41	29.65	54.84	56.29	43.73	29.47	32.03	43.33	29.80	22.54	30.93
Barataria Waterway at Lafitte (USACE82875)	62.60	83.81	52.04	72.54	87.85	71.41	73.73	75.60	68.50	69.47	54.90	80.19
USGS2928590900040000 Barataria Waterway South of Lafitte	114.81	135.95	104.76	106.93	130.48	105.06	117.92	80.00	40.23	47.67	20.37	39.03
USGS7380251 Barataria Bay North of Grand Isle	34.69	52.23	36.76	49.15	61.61	44.43	45.47	36.47	14.69	12.21	10.56	12.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	46.76	70.49	47.94	57.35	65.99	56.88	63.49	46.19	16.71	15.28	11.19	12.11
USGS 07380335 - Little Lake Near Cutoff	32.70	53.79	36.07	49.44	52.09	45.09	48.55	35.20	15.91	13.33	10.53	9.96
USGS073802516 Barataria Pass at Grand Isle	20.38	34.03	21.65	33.73	30.42	25.10	26.99	26.02	14.06	12.72	8.89	8.10
HWQ14 - Lake Washington	11.61	18.49	12.10	23.33	19.39	15.95	12.59	10.63	6.71	6.60	5.56	5.48
HWQ16 - Bayou Grand Liard	24.92	41.57	26.20	41.02	36.50	33.42	28.16	28.21	25.08	15.53	15.04	19.60
CRMS 3985	12.05	15.55	10.50	20.60	22.63	17.69	14.17	11.01	5.69	5.68	7.89	17.94
CRMS 0258	26.00	30.75	20.97	33.60	43.11	39.87	48.07	39.65	15.16	10.71	3.26	10.30
CRMS 0224	30.28	36.88	23.26	37.51	42.36	39.53	47.75	35.31	19.28	16.15	7.47	7.97
CRMS 0163	71.04	87.08	54.76	65.58	77.49	64.26	75.31	79.65	75.97	76.43	57.45	88.45
CRMS 0162	105.58	128.23	90.52	95.39	111.97	93.55	113.88	109.45	99.72	108.51	70.81	136.94

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	147.93	174.43	138.28	136.87	162.71	129.46	140.62	115.82	89.16	100.26	83.69	134.77
CRMS0276 - Just east of Wilkinson Canal	2.66	-5.57	-3.03	-2.08	-5.57	-5.62	-2.40	-0.93	0.53	0.08	-1.36	-0.43
Barataria Waterway at Lafitte (USACE82875)	0.63	0.97	0.08	0.42	-0.10	-0.21	-0.54	0.19	1.91	1.48	1.87	2.50
USGS2928590900040000 Barataria Waterway South of Lafitte	112.80	132.86	100.05	98.64	120.77	97.40	112.79	74.71	34.02	42.34	17.59	35.57
USGS7380251 Barataria Bay North of Grand Isle	27.02	45.65	31.15	40.84	53.66	37.42	38.10	28.82	4.50	2.85	4.17	3.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	40.49	62.43	38.15	44.45	55.23	48.70	56.01	36.56	8.64	7.41	4.48	6.78
USGS 07380335 - Little Lake Near Cutoff	22.65	38.61	21.19	28.81	35.36	33.54	38.40	22.47	5.29	3.20	1.45	2.20
USGS073802516 Barataria Pass at Grand Isle	13.06	22.89	9.40	16.48	14.10	10.97	14.61	11.13	5.26	2.61	1.34	1.23
HWQ14 - Lake Washington	6.15	14.10	5.86	16.05	13.04	10.73	8.56	6.28	1.58	0.50	0.59	0.62
HWQ16 - Bayou Grand Liard	0.42	-1.92	-1.52	0.37	0.28	0.55	0.34	1.06	2.14	0.41	-0.79	-0.58
CRMS 3985	-1.06	4.53	6.07	14.32	17.52	13.27	10.69	7.43	-7.49	-5.83	-3.13	-0.49
CRMS 0258	15.47	15.72	5.68	11.62	15.04	12.92	20.69	12.02	1.09	1.55	0.64	2.00
CRMS 0224	26.05	28.63	13.42	21.17	26.19	24.13	37.29	23.82	5.17	4.92	2.01	4.43
CRMS 0163	0.01	0.11	-0.14	-0.27	-0.32	0.01	-0.25	0.16	1.20	0.74	0.86	0.82
CRMS 0162	0.10	-0.82	-1.57	-1.30	-1.65	-0.68	-0.72	0.22	2.15	0.94	1.14	0.83

Figure WQ TSS 44 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.94	2.14	9.02	10.62	11.93	7.94	7.33	7.69	5.89	5.94	3.16	8.65
CRMS0276 - Just east of Wilkinson Canal	43.21	36.22	77.62	83.00	97.36	36.17	21.09	20.38	29.60	20.28	24.02	87.08
Barataria Waterway at Lafitte (USACE82875)	82.64	69.02	148.64	105.21	128.87	50.90	55.10	59.91	56.44	56.07	54.85	153.97
USGS2928590900040000 Barataria Waterway South of Lafitte	2.57	1.44	5.18	11.30	12.80	7.98	4.83	4.44	4.64	4.64	2.44	5.03
USGS7380251 Barataria Bay North of Grand Isle	11.45	7.49	13.67	12.18	9.62	7.01	6.94	7.09	8.71	10.41	6.34	13.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.22	7.22	14.28	20.36	15.71	9.29	6.83	8.53	7.10	7.03	6.12	9.67
USGS 07380335 - Little Lake Near Cutoff	19.00	11.02	21.42	31.93	26.94	12.66	8.03	9.80	8.26	7.75	8.49	18.60
USGS073802516 Barataria Pass at Grand Isle	12.91	8.45	17.35	27.26	26.12	15.25	10.32	12.41	7.62	8.73	7.19	14.30
HWQ14 - Lake Washington	7.97	5.72	10.87	11.83	8.15	5.99	4.13	4.26	4.74	6.56	5.25	6.63
HWQ16 - Bayou Grand Liard	40.34	22.33	61.62	63.85	73.00	29.25	16.78	17.35	15.99	10.78	15.45	59.54
CRMS 3985	22.33	13.62	25.01	10.79	6.63	4.52	3.15	3.43	10.85	13.67	8.86	25.72
CRMS 0258	5.74	2.26	36.14	30.66	36.78	20.64	21.29	21.23	6.86	6.01	3.61	31.32
CRMS 0224	7.50	5.60	11.99	23.85	25.37	15.69	8.70	9.74	10.50	9.10	4.27	8.10
CRMS 0163	87.69	82.44	150.43	102.68	120.97	36.06	57.27	62.60	63.69	55.58	67.87	169.62
CRMS 0162	130.32	113.35	247.70	145.73	179.80	66.37	80.79	81.99	79.14	73.20	86.69	252.43

V3PR2 HYST - cy 1 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	134.11	124.26	335.87	214.30	242.61	101.92	108.32	83.00	80.76	77.76	121.07	328.53
CRMS0276 - Just east of Wilkinson Canal	44.61	35.20	65.57	79.73	91.72	33.29	22.28	25.15	34.30	21.30	22.83	71.81
Barataria Waterway at Lafitte (USACE82875)	84.43	70.31	148.99	105.31	128.87	50.68	54.34	60.29	57.81	56.77	55.68	154.04
USGS2928590900040000 Barataria Waterway South of Lafitte	50.29	34.44	267.27	165.66	188.76	68.99	82.08	46.63	35.10	39.86	37.45	269.72
USGS7380251 Barataria Bay North of Grand Isle	20.84	12.82	99.40	75.11	86.46	31.63	34.29	18.70	12.61	11.09	14.55	96.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	30.11	12.48	139.38	86.84	103.13	36.74	45.70	19.56	14.02	13.31	10.91	141.61
USGS 07380335 - Little Lake Near Cutoff	33.83	12.81	106.78	71.01	84.23	31.92	34.95	16.62	12.43	11.01	9.35	101.38
USGS073802516 Barataria Pass at Grand Isle	24.63	9.72	53.62	46.54	48.04	21.64	20.87	17.79	11.50	11.10	8.20	55.41
HWQ14 - Lake Washington	13.48	7.12	26.51	32.57	30.89	14.63	10.20	7.11	5.56	6.00	5.42	23.90
HWQ16 - Bayou Grand Liard	42.76	21.59	61.16	60.99	66.22	27.59	18.24	18.59	17.83	11.41	14.43	59.25
CRMS 3985	19.87	16.83	34.10	30.66	35.66	15.14	10.60	5.35	4.38	6.15	9.28	30.05
CRMS 0258	14.91	3.26	64.38	45.37	61.95	31.04	37.58	25.51	9.25	9.91	4.73	62.11
CRMS 0224	24.46	7.69	64.88	50.75	64.02	31.59	37.11	19.51	15.38	14.14	6.40	65.58
CRMS 0163	88.48	82.23	150.21	102.13	120.88	35.75	57.19	63.02	65.26	56.14	67.40	168.37
CRMS 0162	130.35	111.70	246.34	143.28	177.22	65.08	80.05	82.22	81.10	73.36	85.18	250.88

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.17	122.13	326.85	203.67	230.68	93.97	101.00	75.31	74.87	71.81	117.91	319.88
CRMS0276 - Just east of Wilkinson Canal	1.39	-1.02	-12.04	-3.26	-5.64	-2.88	1.19	4.77	4.70	1.01	-1.20	-15.27
Barataria Waterway at Lafitte (USACE82875)	1.78	1.29	0.35	0.09	0.00	-0.22	-0.76	0.38	1.37	0.71	0.82	0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	47.72	33.00	262.08	154.36	175.97	61.01	77.25	42.20	30.45	35.22	35.01	264.69
USGS7380251 Barataria Bay North of Grand Isle	9.38	5.32	85.73	62.93	76.83	24.61	27.35	11.61	3.90	0.68	8.20	83.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.89	5.26	125.10	66.48	87.42	27.45	38.87	11.03	6.92	6.28	4.79	131.94
USGS 07380335 - Little Lake Near Cutoff	14.83	1.79	85.36	39.08	57.29	19.26	26.92	6.82	4.17	3.27	0.86	82.78
USGS073802516 Barataria Pass at Grand Isle	11.72	1.27	36.27	19.28	21.92	6.39	10.55	5.38	3.89	2.37	1.02	41.10
HWQ14 - Lake Washington	5.51	1.40	15.64	20.73	22.75	8.65	6.07	2.85	0.82	-0.56	0.17	17.27
HWQ16 - Bayou Grand Liard	2.43	-0.75	-0.46	-2.87	-6.79	-1.66	1.46	1.24	1.84	0.64	-1.02	-0.29
CRMS 3985	-2.46	3.21	9.09	19.87	29.03	10.63	7.45	1.93	-6.47	-7.51	0.42	4.33
CRMS 0258	9.17	1.00	28.24	14.70	25.18	10.40	16.29	4.28	2.39	3.89	1.12	30.79
CRMS 0224	16.96	2.09	52.89	26.89	38.65	15.90	28.41	9.77	4.88	5.04	2.12	57.48
CRMS 0163	0.78	-0.21	-0.22	-0.56	-0.09	-0.30	-0.08	0.42	1.57	0.56	-0.47	-1.24
CRMS 0162	0.03	-1.65	-1.36	-2.45	-2.59	-1.29	-0.74	0.23	1.96	0.16	-1.52	-1.55

Figure WQ TSS 45 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.49	5.31	7.02	9.15	9.13	7.57	7.21	6.14	6.13	5.92	5.06	6.71
CRMS0276 - Just east of Wilkinson Canal	40.54	72.80	60.28	66.38	54.32	38.21	23.76	17.73	31.15	33.09	42.45	47.11
Barataria Waterway at Lafitte (USACE82875)	119.81	113.51	96.58	86.92	69.95	61.29	59.04	52.65	63.80	77.74	86.95	91.55
USGS2928590900040000 Barataria Waterway South of Lafitte	3.47	4.34	5.60	9.56	9.79	7.31	5.10	4.56	4.74	4.74	3.80	4.38
USGS7380251 Barataria Bay North of Grand Isle	11.40	6.31	8.01	8.47	7.42	6.62	6.70	7.22	10.62	10.28	8.93	10.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.21	11.40	13.64	16.38	11.51	7.56	7.03	7.67	7.35	7.98	9.76	7.69
USGS 07380335 - Little Lake Near Cutoff	13.90	21.34	22.35	26.75	17.77	9.90	8.97	7.96	8.28	10.34	13.99	12.14
USGS073802516 Barataria Pass at Grand Isle	9.20	15.19	17.42	22.16	17.63	12.16	11.04	10.53	7.63	10.21	10.67	9.94
HWQ14 - Lake Washington	6.67	4.57	7.67	7.66	6.58	5.10	4.18	4.29	5.85	6.84	6.47	6.33
HWQ16 - Bayou Grand Liard	36.60	52.96	52.43	53.98	37.41	23.46	18.46	14.07	13.59	16.53	28.44	29.25
CRMS 3985	18.73	9.44	6.99	5.47	4.56	3.91	3.24	7.68	13.58	13.49	16.13	19.67
CRMS 0258	24.11	24.44	23.52	25.39	23.83	24.21	18.94	6.88	7.52	9.67	7.88	13.47
CRMS 0224	5.67	12.12	12.90	20.12	17.19	12.75	9.65	9.59	11.16	10.67	7.78	5.82
CRMS 0163	134.58	120.90	93.42	82.87	57.17	55.76	60.14	57.25	77.42	89.94	101.65	103.05
CRMS 0162	204.54	173.14	155.14	126.32	87.75	78.18	83.68	75.21	96.16	130.94	132.06	156.31

V3PR3 HYST - cy 1 - 1975 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	267.33	238.42	213.80	179.72	140.13	114.10	90.19	82.07	100.88	132.48	143.22	155.58
CRMS0276 - Just east of Wilkinson Canal	45.27	65.97	51.29	62.97	49.07	33.46	22.11	18.64	31.85	32.55	41.84	45.60
Barataria Waterway at Lafitte (USACE82875)	118.71	113.41	96.10	87.14	69.80	60.50	58.75	53.27	64.90	79.21	89.09	93.32
USGS2928590900040000 Barataria Waterway South of Lafitte	188.66	170.90	152.42	121.57	90.96	76.11	55.93	38.39	31.72	45.88	26.50	33.61
USGS7380251 Barataria Bay North of Grand Isle	61.47	69.57	67.44	59.69	49.65	37.12	25.10	14.71	12.34	13.34	16.15	14.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	88.51	95.51	88.95	72.11	53.25	47.14	31.24	13.72	13.65	15.86	16.54	15.06
USGS 07380335 - Little Lake Near Cutoff	60.10	71.81	70.76	60.75	44.73	37.67	25.70	10.87	11.21	13.13	16.35	14.26
USGS073802516 Barataria Pass at Grand Isle	34.75	43.50	39.95	40.75	28.44	21.05	18.99	12.77	9.55	12.36	12.78	11.03
HWQ14 - Lake Washington	16.85	25.32	20.98	27.30	19.06	13.32	9.32	5.53	5.19	6.80	7.44	7.09
HWQ16 - Bayou Grand Liard	36.49	53.88	50.35	51.40	35.59	24.78	19.28	12.84	13.94	16.28	27.83	28.06
CRMS 3985	23.89	21.47	21.05	25.16	21.22	14.46	7.76	3.97	6.50	8.60	11.62	19.05
CRMS 0258	56.18	45.01	39.03	39.41	36.56	33.65	25.14	9.64	8.19	11.48	8.65	15.28
CRMS 0224	56.82	51.23	43.48	45.46	38.10	32.90	25.73	15.25	14.75	15.57	10.45	10.11
CRMS 0163	133.00	120.11	93.09	82.63	56.99	55.71	59.82	57.86	78.59	91.08	102.88	103.56
CRMS 0162	201.26	171.81	152.65	124.18	86.17	77.07	82.97	76.00	97.14	130.19	132.88	155.85

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	258.84	233.10	206.78	170.57	131.00	106.53	82.98	75.93	94.75	126.56	138.16	148.87
CRMS0276 - Just east of Wilkinson Canal	4.73	-6.83	-8.99	-3.41	-5.24	-4.75	-1.65	0.91	0.70	-0.53	-0.61	-1.51
Barataria Waterway at Lafitte (USACE82875)	-1.10	-0.10	-0.47	0.22	-0.16	-0.79	-0.29	0.61	1.10	1.47	2.14	1.76
USGS2928590900040000 Barataria Waterway South of Lafitte	185.19	166.56	146.82	112.02	81.18	68.80	50.83	33.83	26.99	41.14	22.70	29.22
USGS7380251 Barataria Bay North of Grand Isle	50.08	63.26	59.43	51.22	42.24	30.50	18.40	7.50	1.72	3.06	7.22	4.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	80.29	84.11	75.31	55.73	41.74	39.58	24.21	6.05	6.30	7.88	6.77	7.37
USGS 07380335 - Little Lake Near Cutoff	46.21	50.47	48.41	34.00	26.97	27.76	16.73	2.91	2.93	2.79	2.37	2.12
USGS073802516 Barataria Pass at Grand Isle	25.56	28.30	22.53	18.59	10.81	8.89	7.95	2.24	1.92	2.15	2.11	1.09
HWQ14 - Lake Washington	10.18	20.74	13.31	19.64	12.48	8.22	5.14	1.24	-0.66	-0.04	0.97	0.76
HWQ16 - Bayou Grand Liard	-0.11	0.92	-2.08	-2.58	-1.82	1.33	0.83	-1.22	0.35	-0.24	-0.61	-1.18
CRMS 3985	5.16	12.03	14.05	19.69	16.67	10.55	4.52	-3.71	-7.08	-4.89	-4.51	-0.62
CRMS 0258	32.07	20.56	15.51	14.02	12.74	9.44	6.20	2.76	0.67	1.81	0.77	1.81
CRMS 0224	51.15	39.11	30.58	25.33	20.91	20.15	16.08	5.67	3.58	4.90	2.68	4.29
CRMS 0163	-1.58	-0.79	-0.33	-0.23	-0.18	-0.06	-0.32	0.61	1.17	1.14	1.23	0.51
CRMS 0162	-3.28	-1.34	-2.49	-2.14	-1.58	-1.11	-0.71	0.80	0.98	-0.74	0.82	-0.47

Figure WQ TSS 46 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.68	4.67	6.59	8.44	9.30	7.19	6.54	6.68	6.06	5.46	2.90	7.29
CRMS0276 - Just east of Wilkinson Canal	41.68	62.68	51.92	51.72	52.89	30.35	19.14	19.44	24.65	17.69	33.15	62.56
Barataria Waterway at Lafitte (USACE82875)	79.82	100.65	81.65	69.08	70.28	50.44	58.61	58.26	56.92	53.07	81.01	121.61
USGS2928590900040000 Barataria Waterway South of Lafitte	2.78	3.64	5.45	8.66	10.03	6.95	4.86	4.83	4.81	4.52	2.36	3.94
USGS7380251 Barataria Bay North of Grand Isle	9.22	6.93	7.93	8.34	7.65	6.66	6.19	11.11	9.61	8.48	5.10	10.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.27	8.91	13.34	13.59	11.62	7.38	6.64	7.57	7.24	6.54	6.22	7.54
USGS 07380335 - Little Lake Near Cutoff	15.78	16.82	21.29	20.92	18.27	9.04	7.67	7.70	7.61	7.13	9.46	13.79
USGS073802516 Barataria Pass at Grand Isle	10.73	12.10	16.87	18.13	18.29	11.23	9.61	10.03	7.64	8.14	7.37	10.58
HWQ14 - Lake Washington	6.85	4.27	8.07	7.70	6.67	5.18	4.01	4.73	5.52	5.85	4.14	5.26
HWQ16 - Bayou Grand Liard	35.19	46.63	49.31	39.27	40.46	17.50	12.85	15.12	12.26	9.94	19.59	39.02
CRMS 3985	14.78	12.08	7.53	6.15	5.06	4.02	3.95	16.08	11.37	9.54	6.07	19.17
CRMS 0258	14.99	20.45	19.12	22.24	24.20	18.74	13.39	7.29	7.44	7.18	2.29	26.05
CRMS 0224	6.55	9.55	12.60	16.54	18.20	12.01	9.09	9.46	10.53	8.86	4.72	6.31
CRMS 0163	82.97	107.11	79.25	68.59	54.43	47.82	63.25	58.83	64.97	58.63	95.72	135.95
CRMS 0162	126.79	156.79	134.61	106.05	88.22	62.23	91.85	79.79	76.18	74.28	120.92	203.00

V3PR3 HYST - cy 1 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	151.36	218.36	185.62	162.45	134.19	72.36	94.10	83.35	83.52	91.03	138.84	247.52
CRMS0276 - Just east of Wilkinson Canal	39.82	55.83	44.07	48.11	49.19	29.24	18.51	20.10	24.68	17.72	32.03	56.20
Barataria Waterway at Lafitte (USACE82875)	79.70	101.00	82.17	69.36	70.42	50.69	59.34	60.19	57.78	53.95	81.48	121.95
USGS2928590900040000 Barataria Waterway South of Lafitte	90.16	155.49	128.62	107.50	84.96	35.21	46.67	40.69	31.33	35.00	23.52	133.57
USGS7380251 Barataria Bay North of Grand Isle	32.20	60.08	57.06	52.25	46.29	18.65	13.47	13.82	11.20	10.70	14.69	44.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	49.80	86.61	75.46	60.97	51.99	20.97	13.35	13.40	12.97	12.49	13.30	61.86
USGS 07380335 - Little Lake Near Cutoff	38.25	65.03	61.43	49.84	45.42	19.07	10.69	10.83	9.88	9.34	11.45	42.61
USGS073802516 Barataria Pass at Grand Isle	26.72	37.39	34.96	32.73	30.03	16.63	11.22	12.60	9.11	9.90	9.55	21.62
HWQ14 - Lake Washington	13.80	20.03	18.76	22.24	20.22	10.53	5.48	4.83	4.92	5.70	6.42	13.06
HWQ16 - Bayou Grand Liard	36.29	45.94	45.72	38.22	38.18	18.71	13.18	15.67	12.09	9.63	18.62	37.27
CRMS 3985	17.06	19.99	19.12	21.52	21.41	8.62	3.78	3.74	6.43	6.02	12.69	24.74
CRMS 0258	27.94	39.69	33.07	33.08	36.80	20.40	15.14	9.45	7.42	8.26	2.88	37.17
CRMS 0224	31.05	45.81	38.03	37.12	39.38	18.41	13.90	14.57	13.34	12.43	7.58	32.26
CRMS 0163	82.40	108.02	79.13	68.51	54.46	47.84	64.03	60.43	65.75	58.60	94.70	135.56
CRMS 0162	124.79	155.85	132.73	104.75	86.45	61.99	92.07	81.51	76.59	74.49	118.16	201.91

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	145.68	213.69	179.03	154.02	124.90	65.17	87.55	76.67	77.46	85.57	135.94	240.23
CRMS0276 - Just east of Wilkinson Canal	-1.86	-6.86	-7.85	-3.61	-3.70	-1.12	-0.64	0.66	0.03	0.02	-1.12	-6.36
Barataria Waterway at Lafitte (USACE82875)	-0.12	0.35	0.51	0.29	0.15	0.25	0.73	1.93	0.86	0.89	0.47	0.34
USGS2928590900040000 Barataria Waterway South of Lafitte	87.38	151.84	123.17	98.84	74.93	28.26	41.81	35.86	26.52	30.48	21.16	129.63
USGS7380251 Barataria Bay North of Grand Isle	22.98	53.15	49.13	43.91	38.64	11.99	7.28	2.71	1.59	2.22	9.59	34.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	40.53	77.71	62.13	47.38	40.38	13.59	6.72	5.83	5.72	5.95	7.08	54.33
USGS 07380335 - Little Lake Near Cutoff	22.46	48.21	40.14	28.92	27.15	10.03	3.01	3.13	2.28	2.21	2.00	28.81
USGS073802516 Barataria Pass at Grand Isle	15.99	25.29	18.10	14.60	11.74	5.40	1.61	2.56	1.47	1.76	2.18	11.04
HWQ14 - Lake Washington	6.95	15.76	10.69	14.54	13.55	5.35	1.47	0.10	-0.60	-0.16	2.28	7.81
HWQ16 - Bayou Grand Liard	1.10	-0.70	-3.58	-1.06	-2.28	1.22	0.33	0.55	-0.17	-0.31	-0.97	-1.75
CRMS 3985	2.28	7.91	11.58	15.37	16.35	4.60	-0.17	-12.33	-4.94	-3.52	6.61	5.57
CRMS 0258	12.95	19.24	13.95	10.84	12.59	1.66	1.75	2.16	-0.02	1.09	0.59	11.12
CRMS 0224	24.50	36.25	25.43	20.57	21.18	6.40	4.81	5.11	2.80	3.57	2.86	25.94
CRMS 0163	-0.57	0.91	-0.12	-0.09	0.03	0.02	0.78	1.60	0.77	-0.03	-1.02	-0.39
CRMS 0162	-2.00	-0.94	-1.88	-1.30	-1.77	-0.24	0.22	1.71	0.41	0.21	-2.76	-1.10

Figure WQ TSS 47 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.92	5.96	5.87	8.38	10.55	6.12	6.20	6.20	5.57	5.62	7.05	7.34
CRMS0276 - Just east of Wilkinson Canal	22.85	89.57	54.92	84.95	75.45	44.16	14.00	9.74	12.96	26.23	52.15	56.80
Barataria Waterway at Lafitte (USACE82875)	70.24	141.73	98.19	105.79	111.19	78.01	46.80	43.33	33.84	85.00	113.77	100.16
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	4.66	4.75	9.23	10.27	6.43	5.18	5.61	4.91	4.24	4.22	5.22
USGS7380251 Barataria Bay North of Grand Isle	8.07	10.21	10.33	12.60	8.96	6.95	13.22	10.22	8.98	13.06	8.92	10.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.43	10.19	11.48	16.05	11.55	7.63	7.45	7.34	6.09	6.63	9.96	9.19
USGS 07380335 - Little Lake Near Cutoff	9.49	20.69	16.63	25.54	18.70	10.57	7.06	6.37	4.88	7.21	14.97	16.01
USGS073802516 Barataria Pass at Grand Isle	7.00	14.53	14.04	20.89	17.96	12.63	8.62	8.71	6.30	7.75	11.25	12.45
HWQ14 - Lake Washington	5.93	5.26	9.78	11.54	6.80	5.29	8.10	6.33	5.63	7.86	6.52	6.07
HWQ16 - Bayou Grand Liard	19.04	60.05	35.17	56.40	42.99	27.84	12.21	12.63	6.89	11.20	34.48	39.24
CRMS 3985	14.84	18.57	15.96	14.29	5.78	7.80	19.35	11.48	8.46	19.39	9.76	18.51
CRMS 0258	4.99	26.79	16.61	28.50	34.46	9.36	5.86	5.65	5.76	5.71	20.47	19.79
CRMS 0224	4.08	10.82	9.96	20.23	17.89	12.46	7.81	8.27	7.98	7.75	8.14	8.81
CRMS 0163	91.14	151.57	111.68	91.36	97.15	74.59	50.28	44.85	37.27	105.21	135.15	111.34
CRMS 0162	129.21	197.76	163.05	125.56	141.57	102.91	77.08	57.64	30.10	148.24	180.54	163.92

V3PR3 HYST - cy 1 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.40	247.17	223.55	145.19	191.03	112.88	88.02	56.50	47.84	152.41	183.30	160.88
CRMS0276 - Just east of Wilkinson Canal	22.54	83.04	52.99	85.29	70.58	42.54	15.36	10.39	13.32	25.96	51.07	54.99
Barataria Waterway at Lafitte (USACE82875)	72.41	142.21	100.92	106.93	110.67	78.88	48.88	44.23	34.58	86.45	114.46	102.48
USGS2928590900040000 Barataria Waterway South of Lafitte	50.10	153.91	110.50	55.08	118.68	37.84	41.51	32.28	19.28	48.98	32.95	34.75
USGS7380251 Barataria Bay North of Grand Isle	14.51	62.40	46.61	40.44	59.37	16.81	12.23	11.81	9.28	13.97	19.98	16.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	14.96	82.06	55.16	45.71	67.48	18.49	12.54	11.11	8.81	14.82	19.74	17.72
USGS 07380335 - Little Lake Near Cutoff	11.08	64.71	40.93	47.19	51.40	16.99	10.36	7.86	5.95	10.33	18.97	18.58
USGS073802516 Barataria Pass at Grand Isle	7.98	41.80	26.74	36.44	29.89	16.40	10.43	9.49	6.57	9.92	14.83	14.38
HWQ14 - Lake Washington	4.71	19.99	16.45	24.02	18.06	9.06	5.18	4.43	4.30	6.53	8.86	8.58
HWQ16 - Bayou Grand Liard	18.92	59.58	36.57	59.43	42.33	28.71	13.21	12.53	6.96	11.05	34.42	37.97
CRMS 3985	9.80	22.00	13.73	20.62	20.00	7.29	3.79	3.48	4.78	10.21	17.32	16.88
CRMS 0258	7.70	39.83	20.68	31.45	43.46	10.80	8.14	7.97	6.14	7.72	21.72	21.08
CRMS 0224	8.75	42.33	25.18	31.55	40.21	17.33	12.78	12.50	10.23	12.82	12.12	12.00
CRMS 0163	91.90	151.19	111.25	91.38	95.35	74.18	51.53	45.27	38.15	105.89	134.09	111.82
CRMS 0162	128.43	196.55	161.24	124.91	138.75	102.70	78.60	57.53	29.58	148.79	177.18	165.27

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	162.48	241.21	217.67	136.82	180.48	106.76	81.83	50.30	42.28	146.79	176.25	153.54
CRMS0276 - Just east of Wilkinson Canal	-0.31	-6.52	-1.93	0.34	-4.87	-1.63	1.36	0.65	0.35	-0.27	-1.08	-1.80
Barataria Waterway at Lafitte (USACE82875)	2.18	0.48	2.73	1.14	-0.52	0.87	2.08	0.89	0.74	1.45	0.69	2.31
USGS2928590900040000 Barataria Waterway South of Lafitte	48.36	149.25	105.76	45.85	108.41	31.41	36.34	26.68	14.37	44.74	28.73	29.53
USGS7380251 Barataria Bay North of Grand Isle	6.44	52.19	36.28	27.84	50.41	9.87	-0.99	1.58	0.30	0.91	11.06	5.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.53	71.87	43.68	29.67	55.94	10.86	5.08	3.77	2.73	8.19	9.78	8.53
USGS 07380335 - Little Lake Near Cutoff	1.59	44.02	24.31	21.66	32.70	6.42	3.29	1.49	1.07	3.12	4.00	2.57
USGS073802516 Barataria Pass at Grand Isle	0.99	27.27	12.69	15.54	11.93	3.77	1.81	0.77	0.27	2.18	3.58	1.93
HWQ14 - Lake Washington	-1.22	14.73	6.67	12.48	11.26	3.77	-2.92	-1.90	-1.34	-1.33	2.34	2.51
HWQ16 - Bayou Grand Liard	-0.12	-0.47	1.40	3.03	-0.65	0.87	1.00	-0.10	0.07	-0.15	-0.06	-1.27
CRMS 3985	-5.04	3.43	-2.24	6.32	14.22	-0.51	-15.56	-8.00	-3.68	-9.18	7.56	-1.63
CRMS 0258	2.72	13.04	4.07	2.95	8.99	1.43	2.28	2.32	0.38	2.01	1.25	1.29
CRMS 0224	4.66	31.52	15.22	11.32	22.32	4.87	4.98	4.22	2.26	5.08	3.98	3.20
CRMS 0163	0.75	-0.38	-0.43	0.01	-1.80	-0.40	1.25	0.42	0.88	0.68	-1.06	0.48
CRMS 0162	-0.78	-1.21	-1.81	-0.65	-2.82	-0.20	1.51	-0.11	-0.53	0.55	-3.36	1.34

Figure WQ TSS 48 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.39	3.97	5.58	8.27	9.70	7.94	8.24	8.93	7.02	6.23	3.29	5.86
CRMS0276 - Just east of Wilkinson Canal	26.93	54.98	32.67	56.92	61.85	49.35	31.87	32.97	42.80	29.72	23.90	31.36
Barataria Waterway at Lafitte (USACE82875)	61.96	82.84	51.96	72.12	87.95	71.61	74.27	75.41	66.59	67.99	53.04	77.69
USGS2928590900040000 Barataria Waterway South of Lafitte	2.01	3.08	4.72	8.29	9.70	7.66	5.13	5.29	6.21	5.33	2.78	3.46
USGS7380251 Barataria Bay North of Grand Isle	7.68	6.58	5.62	8.31	7.95	7.01	7.37	7.65	10.19	9.36	6.39	8.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.28	8.06	9.80	12.90	10.77	8.18	7.48	9.64	8.07	7.87	6.71	5.33
USGS 07380335 - Little Lake Near Cutoff	10.04	15.19	14.88	20.63	16.73	11.55	10.15	12.73	10.62	10.13	9.08	7.77
USGS073802516 Barataria Pass at Grand Isle	7.32	11.14	12.25	17.25	16.32	14.12	12.38	14.89	8.80	10.11	7.55	6.86
HWQ14 - Lake Washington	5.46	4.39	6.24	7.28	6.36	5.22	4.04	4.34	5.14	6.10	4.97	4.86
HWQ16 - Bayou Grand Liard	24.50	43.49	27.72	40.65	36.22	32.87	27.82	27.15	22.94	15.12	15.83	20.18
CRMS 3985	13.11	11.02	4.42	6.29	5.12	4.42	3.48	3.58	13.17	11.52	11.02	18.43
CRMS 0258	10.53	15.03	15.29	21.98	28.07	26.95	27.37	27.64	14.07	9.16	2.62	8.30
CRMS 0224	4.23	8.25	9.84	16.34	16.17	15.40	10.46	11.49	14.11	11.23	5.46	3.54
CRMS 0163	71.03	86.97	54.90	65.85	77.81	64.25	75.56	79.49	74.76	75.69	56.58	87.63
CRMS 0162	105.48	129.05	92.09	96.69	113.62	94.23	114.60	109.23	97.57	107.56	69.67	136.11

V3PR3 HYST - cy 1 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	152.59	178.65	144.09	145.35	172.65	137.61	149.09	125.14	97.20	107.47	87.42	141.42
CRMS0276 - Just east of Wilkinson Canal	28.93	49.14	29.47	54.49	55.79	43.60	29.12	31.36	43.10	30.31	22.46	30.07
Barataria Waterway at Lafitte (USACE82875)	62.04	83.48	51.76	72.47	87.51	71.23	73.35	74.72	68.11	69.08	54.33	79.05
USGS2928590900040000 Barataria Waterway South of Lafitte	101.40	123.18	93.07	96.47	117.98	94.70	107.76	72.36	32.50	40.72	17.05	30.50
USGS7380251 Barataria Bay North of Grand Isle	35.40	53.23	37.41	49.93	62.24	45.05	46.41	36.90	14.70	12.40	10.71	12.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	46.89	70.46	48.13	57.62	66.46	56.72	63.77	46.12	16.63	15.39	11.32	12.21
USGS 07380335 - Little Lake Near Cutoff	32.70	53.72	35.95	49.27	52.17	44.95	48.58	34.96	15.75	13.50	10.65	9.95
USGS073802516 Barataria Pass at Grand Isle	20.30	33.97	21.73	33.59	30.71	25.20	27.03	25.88	13.87	12.83	8.98	8.05
HWQ14 - Lake Washington	11.70	18.70	12.21	23.39	19.40	16.10	12.87	10.75	6.72	6.65	5.63	5.52
HWQ16 - Bayou Grand Liard	24.13	41.56	26.21	40.62	36.29	33.23	27.78	26.90	24.45	15.98	15.03	18.72
CRMS 3985	12.34	16.04	10.72	20.80	22.96	18.13	14.72	11.29	5.68	5.63	7.93	17.91
CRMS 0258	25.04	29.74	20.46	32.94	42.24	38.98	46.65	39.19	15.11	10.63	3.24	10.06
CRMS 0224	29.61	35.83	22.75	36.86	41.82	38.74	46.91	34.99	18.98	16.05	7.43	7.77
CRMS 0163	70.84	86.86	54.69	65.31	77.73	64.31	75.01	79.05	75.72	75.77	56.95	87.85
CRMS 0162	104.41	127.29	89.67	94.91	112.00	92.68	113.16	108.96	99.43	107.34	69.15	135.64

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	148.21	174.69	138.52	137.08	162.96	129.67	140.85	116.22	90.17	101.24	84.13	135.56
CRMS0276 - Just east of Wilkinson Canal	2.00	-5.84	-3.20	-2.43	-6.07	-5.75	-2.75	-1.61	0.30	0.60	-1.44	-1.29
Barataria Waterway at Lafitte (USACE82875)	0.08	0.64	-0.20	0.34	-0.44	-0.39	-0.92	-0.69	1.53	1.09	1.29	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	99.39	120.10	88.35	88.18	108.28	87.04	102.63	67.07	26.29	35.39	14.27	27.04
USGS7380251 Barataria Bay North of Grand Isle	27.72	46.65	31.79	41.63	54.29	38.04	39.03	29.26	4.51	3.04	4.32	3.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	40.62	62.40	38.33	44.71	55.69	48.54	56.29	36.48	8.56	7.52	4.61	6.88
USGS 07380335 - Little Lake Near Cutoff	22.65	38.54	21.06	28.65	35.44	33.40	38.43	22.23	5.12	3.37	1.57	2.19
USGS073802516 Barataria Pass at Grand Isle	12.98	22.84	9.48	16.34	14.39	11.08	14.65	10.99	5.07	2.72	1.43	1.18
HWQ14 - Lake Washington	6.24	14.30	5.97	16.11	13.05	10.88	8.84	6.41	1.58	0.55	0.66	0.66
HWQ16 - Bayou Grand Liard	-0.37	-1.93	-1.51	-0.03	0.08	0.36	-0.04	-0.25	1.51	0.86	-0.80	-1.46
CRMS 3985	-0.76	5.02	6.30	14.52	17.85	13.71	11.24	7.71	-7.49	-5.89	-3.09	-0.52
CRMS 0258	14.50	14.71	5.17	10.96	14.16	12.03	19.27	11.55	1.04	1.47	0.62	1.76
CRMS 0224	25.38	27.58	12.91	20.52	25.65	23.34	36.45	23.50	4.87	4.82	1.97	4.24
CRMS 0163	-0.19	-0.10	-0.21	-0.54	-0.08	0.06	-0.55	-0.44	0.95	0.07	0.37	0.23
CRMS 0162	-1.07	-1.76	-2.42	-1.78	-1.61	-1.55	-1.45	-0.27	1.86	-0.23	-0.52	-0.48

Figure WQ TSS 49 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.94	2.14	9.02	10.62	11.93	7.94	7.33	7.69	5.89	5.94	3.16	8.65
CRMS0276 - Just east of Wilkinson Canal	43.21	36.22	77.62	83.00	97.36	36.17	21.09	20.38	29.60	20.28	24.02	87.08
Barataria Waterway at Lafitte (USACE82875)	82.64	69.02	148.64	105.21	128.87	50.90	55.10	59.91	56.44	56.07	54.85	153.97
USGS2928590900040000 Barataria Waterway South of Lafitte	2.57	1.44	5.18	11.30	12.80	7.98	4.83	4.44	4.64	4.64	2.44	5.03
USGS7380251 Barataria Bay North of Grand Isle	11.45	7.49	13.67	12.18	9.62	7.01	6.94	7.09	8.71	10.41	6.34	13.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.22	7.22	14.28	20.36	15.71	9.29	6.83	8.53	7.10	7.03	6.12	9.67
USGS 07380335 - Little Lake Near Cutoff	19.00	11.02	21.42	31.93	26.94	12.66	8.03	9.80	8.26	7.75	8.49	18.60
USGS073802516 Barataria Pass at Grand Isle	12.91	8.45	17.35	27.26	26.12	15.25	10.32	12.41	7.62	8.73	7.19	14.30
HWQ14 - Lake Washington	7.97	5.72	10.87	11.83	8.15	5.99	4.13	4.26	4.74	6.56	5.25	6.63
HWQ16 - Bayou Grand Liard	40.34	22.33	61.62	63.85	73.00	29.25	16.78	17.35	15.99	10.78	15.45	59.54
CRMS 3985	22.33	13.62	25.01	10.79	6.63	4.52	3.15	3.43	10.85	13.67	8.86	25.72
CRMS 0258	5.74	2.26	36.14	30.66	36.78	20.64	21.29	21.23	6.86	6.01	3.61	31.32
CRMS 0224	7.50	5.60	11.99	23.85	25.37	15.69	8.70	9.74	10.50	9.10	4.27	8.10
CRMS 0163	87.69	82.44	150.43	102.68	120.97	36.06	57.27	62.60	63.69	55.58	67.87	169.62
CRMS 0162	130.32	113.35	247.70	145.73	179.80	66.37	80.79	81.99	79.14	73.20	86.69	252.43

V3PR3 HYST - cy 1 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	137.29	125.49	336.24	214.55	242.95	101.38	108.53	83.57	81.48	78.36	121.88	328.82
CRMS0276 - Just east of Wilkinson Canal	45.08	35.87	65.69	79.81	91.87	33.26	22.20	25.12	34.21	21.50	22.72	71.67
Barataria Waterway at Lafitte (USACE82875)	84.86	70.96	148.80	105.03	128.82	50.39	54.24	60.15	57.72	56.82	55.26	153.81
USGS2928590900040000 Barataria Waterway South of Lafitte	45.35	26.42	245.10	151.08	172.07	59.03	74.19	39.99	28.56	35.10	30.08	248.95
USGS7380251 Barataria Bay North of Grand Isle	20.15	11.09	102.21	76.24	87.31	31.96	35.01	18.86	12.66	11.06	14.57	99.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	30.38	12.01	140.17	86.67	103.22	36.55	45.80	19.60	13.95	13.38	10.97	141.59
USGS 07380335 - Little Lake Near Cutoff	34.13	12.65	106.97	70.95	84.35	31.82	35.08	16.66	12.34	11.02	9.36	100.95
USGS073802516 Barataria Pass at Grand Isle	24.79	9.35	53.51	46.67	48.08	21.56	20.85	17.73	11.44	11.12	8.15	55.16
HWQ14 - Lake Washington	13.45	5.51	26.63	32.53	31.27	14.72	10.38	7.19	5.52	5.99	5.41	23.70
HWQ16 - Bayou Grand Liard	43.80	22.05	61.58	60.78	66.62	27.57	18.23	18.33	17.47	11.39	14.34	58.36
CRMS 3985	15.72	13.55	35.11	31.52	36.42	15.44	10.99	5.44	4.39	6.01	9.27	31.43
CRMS 0258	14.51	3.22	62.39	44.41	60.27	30.64	36.75	25.45	9.23	9.79	4.69	59.99
CRMS 0224	24.31	7.58	63.25	49.80	62.92	31.21	36.60	19.42	15.20	14.00	6.28	63.65
CRMS 0163	89.25	82.45	150.44	101.68	120.49	35.73	56.66	62.80	65.28	56.43	66.92	168.55
CRMS 0162	131.52	112.42	245.95	143.23	177.38	64.34	79.80	82.18	81.07	73.10	85.49	251.05

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	133.36	123.35	327.22	203.92	231.01	93.43	101.20	75.88	75.59	72.42	118.72	320.17
CRMS0276 - Just east of Wilkinson Canal	1.86	-0.35	-11.93	-3.19	-5.49	-2.91	1.11	4.74	4.61	1.22	-1.30	-15.41
Barataria Waterway at Lafitte (USACE82875)	2.22	1.95	0.16	-0.18	-0.05	-0.50	-0.85	0.25	1.27	0.75	0.41	-0.16
USGS2928590900040000 Barataria Waterway South of Lafitte	42.78	24.98	239.92	139.78	159.27	51.05	69.36	35.55	23.92	30.46	27.63	243.92
USGS7380251 Barataria Bay North of Grand Isle	8.69	3.59	88.55	64.06	77.69	24.95	28.07	11.77	3.95	0.65	8.23	86.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	19.16	4.80	125.89	66.31	87.51	27.26	38.97	11.08	6.85	6.35	4.85	131.92
USGS 07380335 - Little Lake Near Cutoff	15.13	1.63	85.55	39.02	57.41	19.16	27.05	6.86	4.08	3.28	0.87	82.36
USGS073802516 Barataria Pass at Grand Isle	11.88	0.90	36.15	19.41	21.96	6.30	10.53	5.32	3.82	2.39	0.96	40.86
HWQ14 - Lake Washington	5.48	-0.21	15.76	20.70	23.12	8.74	6.25	2.93	0.78	-0.57	0.16	17.07
HWQ16 - Bayou Grand Liard	3.46	-0.29	-0.04	-3.07	-6.39	-1.68	1.46	0.98	1.48	0.62	-1.11	-1.18
CRMS 3985	-6.61	-0.06	10.10	20.74	29.79	10.92	7.84	2.01	-6.46	-7.65	0.41	5.71
CRMS 0258	8.76	0.96	26.25	13.75	23.49	10.00	15.45	4.22	2.37	3.78	1.09	28.67
CRMS 0224	16.81	1.98	51.26	25.94	37.56	15.53	27.91	9.69	4.69	4.90	2.01	55.55
CRMS 0163	1.55	0.01	0.01	-1.00	-0.48	-0.32	-0.61	0.20	1.59	0.85	-0.95	-1.07
CRMS 0162	1.20	-0.93	-1.75	-2.50	-2.42	-2.03	-0.99	0.19	1.93	-0.10	-1.20	-1.38

Figure WQ TSS 50 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.49	5.31	7.02	9.15	9.13	7.57	7.21	6.14	6.13	5.92	5.06	6.71
CRMS0276 - Just east of Wilkinson Canal	40.54	72.80	60.28	66.38	54.32	38.21	23.76	17.73	31.15	33.09	42.45	47.11
Barataria Waterway at Lafitte (USACE82875)	119.81	113.51	96.58	86.92	69.95	61.29	59.04	52.65	63.80	77.74	86.95	91.55
USGS2928590900040000 Barataria Waterway South of Lafitte	3.47	4.34	5.60	9.56	9.79	7.31	5.10	4.56	4.74	4.74	3.80	4.38
USGS7380251 Barataria Bay North of Grand Isle	11.40	6.31	8.01	8.47	7.42	6.62	6.70	7.22	10.62	10.28	8.93	10.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.21	11.40	13.64	16.38	11.51	7.56	7.03	7.67	7.35	7.98	9.76	7.69
USGS 07380335 - Little Lake Near Cutoff	13.90	21.34	22.35	26.75	17.77	9.90	8.97	7.96	8.28	10.34	13.99	12.14
USGS073802516 Barataria Pass at Grand Isle	9.20	15.19	17.42	22.16	17.63	12.16	11.04	10.53	7.63	10.21	10.67	9.94
HWQ14 - Lake Washington	6.67	4.57	7.67	7.66	6.58	5.10	4.18	4.29	5.85	6.84	6.47	6.33
HWQ16 - Bayou Grand Liard	36.60	52.96	52.43	53.98	37.41	23.46	18.46	14.07	13.59	16.53	28.44	29.25
CRMS 3985	18.73	9.44	6.99	5.47	4.56	3.91	3.24	7.68	13.58	13.49	16.13	19.67
CRMS 0258	24.11	24.44	23.52	25.39	23.83	24.21	18.94	6.88	7.52	9.67	7.88	13.47
CRMS 0224	5.67	12.12	12.90	20.12	17.19	12.75	9.65	9.59	11.16	10.67	7.78	5.82
CRMS 0163	134.58	120.90	93.42	82.87	57.17	55.76	60.14	57.25	77.42	89.94	101.65	103.05
CRMS 0162	204.54	173.14	155.14	126.32	87.75	78.18	83.68	75.21	96.16	130.94	132.06	156.31

V3PR4 HYST - cy 1 - 1975 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	274.36	244.40	219.81	186.10	145.22	117.04	90.12	81.73	100.35	131.06	145.26	157.19
CRMS0276 - Just east of Wilkinson Canal	50.36	65.47	50.59	62.57	48.16	34.03	23.24	18.90	31.56	32.50	41.79	46.28
Barataria Waterway at Lafitte (USACE82875)	118.26	112.54	94.92	87.22	69.80	60.29	58.69	53.67	65.04	79.57	90.44	95.39
USGS2928590900040000 Barataria Waterway South of Lafitte	222.75	201.84	181.42	149.60	113.97	91.03	62.56	43.77	37.33	50.23	29.56	39.05
USGS7380251 Barataria Bay North of Grand Isle	80.25	90.57	87.94	75.68	57.96	45.14	28.24	15.23	12.55	13.27	15.40	9.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	113.32	121.36	112.08	90.13	64.78	52.48	33.45	14.17	13.67	15.97	16.91	15.18
USGS 07380335 - Little Lake Near Cutoff	81.25	95.44	92.46	75.90	53.58	42.56	28.77	11.10	11.28	13.10	16.27	14.24
USGS073802516 Barataria Pass at Grand Isle	43.63	55.10	48.63	48.00	32.92	24.28	21.03	13.13	9.67	12.36	12.64	10.57
HWQ14 - Lake Washington	17.01	31.02	25.81	32.84	23.06	16.20	10.83	5.78	5.32	6.75	6.52	4.36
HWQ16 - Bayou Grand Liard	38.98	58.87	55.76	55.67	38.82	26.78	19.85	12.99	14.22	16.20	27.82	28.43
CRMS 3985	23.09	31.54	33.65	34.60	29.44	19.79	9.99	4.25	5.95	8.58	5.24	3.31
CRMS 0258	69.29	58.64	52.74	47.78	42.64	39.21	27.18	9.66	8.35	11.57	8.60	15.03
CRMS 0224	71.77	68.77	58.15	57.10	46.04	39.11	27.83	14.82	14.35	15.26	10.21	9.77
CRMS 0163	132.92	119.89	92.69	83.36	56.73	55.61	59.88	58.16	78.81	91.10	104.68	105.79
CRMS 0162	199.53	169.28	149.67	122.41	84.46	76.19	82.50	75.75	97.06	129.49	133.53	157.59

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	265.87	239.09	212.79	176.95	136.09	109.47	82.91	75.59	94.22	125.13	140.19	150.49
CRMS0276 - Just east of Wilkinson Canal	9.82	-7.33	-9.69	-3.80	-6.16	-4.17	-0.52	1.17	0.41	-0.58	-0.66	-0.82
Barataria Waterway at Lafitte (USACE82875)	-1.54	-0.96	-1.66	0.29	-0.16	-1.00	-0.35	1.02	1.24	1.83	3.50	3.84
USGS2928590900040000 Barataria Waterway South of Lafitte	219.29	197.50	175.83	140.05	104.19	83.72	57.46	39.22	32.59	45.49	25.75	34.66
USGS7380251 Barataria Bay North of Grand Isle	68.85	84.27	79.93	67.22	50.55	38.52	21.54	8.01	1.93	2.99	6.47	-0.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	105.10	109.96	98.43	73.75	53.27	44.92	26.42	6.50	6.32	8.00	7.14	7.49
USGS 07380335 - Little Lake Near Cutoff	67.35	74.10	70.11	49.14	35.81	32.66	19.81	3.14	3.00	2.76	2.28	2.09
USGS073802516 Barataria Pass at Grand Isle	34.43	39.90	31.21	25.84	15.30	12.12	9.99	2.60	2.04	2.15	1.97	0.63
HWQ14 - Lake Washington	10.34	26.45	18.14	25.18	16.48	11.10	6.65	1.49	-0.53	-0.09	0.05	-1.97
HWQ16 - Bayou Grand Liard	2.38	5.91	3.33	1.69	1.41	3.33	1.40	-1.08	0.62	-0.32	-0.61	-0.81
CRMS 3985	4.36	22.10	26.65	29.13	24.89	15.88	6.75	-3.44	-7.63	-4.90	-10.89	-16.36
CRMS 0258	45.18	34.20	29.23	22.38	18.82	15.00	8.24	2.77	0.83	1.90	0.72	1.56
CRMS 0224	66.11	56.65	45.25	36.98	28.85	26.36	18.18	5.23	3.19	4.60	2.43	3.95
CRMS 0163	-1.66	-1.01	-0.73	0.49	-0.44	-0.16	-0.26	0.91	1.39	1.16	3.03	2.74
CRMS 0162	-5.01	-3.86	-5.47	-3.91	-3.30	-1.99	-1.18	0.55	0.90	-1.44	1.47	1.28

Figure WQ TSS 51 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.68	4.67	6.59	8.44	9.30	7.19	6.54	6.68	6.06	5.46	2.90	7.29
CRMS0276 - Just east of Wilkinson Canal	41.68	62.68	51.92	51.72	52.89	30.35	19.14	19.44	24.65	17.69	33.15	62.56
Barataria Waterway at Lafitte (USACE82875)	79.82	100.65	81.65	69.08	70.28	50.44	58.61	58.26	56.92	53.07	81.01	121.61
USGS2928590900040000 Barataria Waterway South of Lafitte	2.78	3.64	5.45	8.66	10.03	6.95	4.86	4.83	4.81	4.52	2.36	3.94
USGS7380251 Barataria Bay North of Grand Isle	9.22	6.93	7.93	8.34	7.65	6.66	6.19	11.11	9.61	8.48	5.10	10.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.27	8.91	13.34	13.59	11.62	7.38	6.64	7.57	7.24	6.54	6.22	7.54
USGS 07380335 - Little Lake Near Cutoff	15.78	16.82	21.29	20.92	18.27	9.04	7.67	7.70	7.61	7.13	9.46	13.79
USGS073802516 Barataria Pass at Grand Isle	10.73	12.10	16.87	18.13	18.29	11.23	9.61	10.03	7.64	8.14	7.37	10.58
HWQ14 - Lake Washington	6.85	4.27	8.07	7.70	6.67	5.18	4.01	4.73	5.52	5.85	4.14	5.26
HWQ16 - Bayou Grand Liard	35.19	46.63	49.31	39.27	40.46	17.50	12.85	15.12	12.26	9.94	19.59	39.02
CRMS 3985	14.78	12.08	7.53	6.15	5.06	4.02	3.95	16.08	11.37	9.54	6.07	19.17
CRMS 0258	14.99	20.45	19.12	22.24	24.20	18.74	13.39	7.29	7.44	7.18	2.29	26.05
CRMS 0224	6.55	9.55	12.60	16.54	18.20	12.01	9.09	9.46	10.53	8.86	4.72	6.31
CRMS 0163	82.97	107.11	79.25	68.59	54.43	47.82	63.25	58.83	64.97	58.63	95.72	135.95
CRMS 0162	126.79	156.79	134.61	106.05	88.22	62.23	91.85	79.79	76.18	74.28	120.92	203.00

V3PR4 HYST - cy 1 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	153.36	224.77	191.68	168.19	139.65	72.33	93.17	82.99	83.04	90.15	137.15	251.38
CRMS0276 - Just east of Wilkinson Canal	39.68	55.61	43.67	47.48	49.20	29.38	18.43	20.15	24.71	17.71	31.77	54.92
Barataria Waterway at Lafitte (USACE82875)	79.37	100.38	81.43	69.30	70.35	50.62	59.35	60.24	57.90	54.07	81.72	121.42
USGS2928590900040000 Barataria Waterway South of Lafitte	104.37	185.27	155.42	133.51	108.04	41.67	54.43	46.57	36.59	38.85	26.02	152.22
USGS7380251 Barataria Bay North of Grand Isle	40.27	82.66	74.75	65.47	54.37	19.93	13.84	14.11	11.16	10.64	15.28	57.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	61.59	110.69	94.89	76.45	62.44	22.43	14.12	13.87	12.98	12.61	13.89	78.70
USGS 07380335 - Little Lake Near Cutoff	47.44	87.18	78.82	62.45	53.79	20.81	11.03	10.85	9.89	9.30	11.52	55.87
USGS073802516 Barataria Pass at Grand Isle	32.37	48.62	42.00	39.04	34.66	18.20	11.47	12.61	8.98	9.90	9.62	26.97
HWQ14 - Lake Washington	15.73	25.87	23.01	26.49	24.46	12.10	5.82	4.87	4.93	5.70	6.54	15.41
HWQ16 - Bayou Grand Liard	37.39	51.24	50.44	42.43	41.07	19.86	13.08	15.49	12.21	9.64	18.39	38.15
CRMS 3985	18.52	29.27	30.56	29.23	29.18	10.16	3.97	3.80	6.46	6.09	13.26	27.22
CRMS 0258	32.62	52.43	45.32	40.46	43.01	21.55	15.38	9.56	7.60	8.41	2.84	44.75
CRMS 0224	37.05	62.24	51.22	46.71	47.44	19.87	13.76	14.12	13.13	12.32	7.48	41.23
CRMS 0163	82.27	107.29	78.90	67.83	54.45	47.99	63.94	60.08	65.58	58.45	94.69	135.21
CRMS 0162	123.37	153.47	130.31	102.50	84.73	61.76	91.44	80.92	75.68	73.23	116.16	200.13

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	147.68	220.10	185.09	159.75	130.35	65.14	86.63	76.31	76.99	84.69	134.25	244.09
CRMS0276 - Just east of Wilkinson Canal	-2.00	-7.08	-8.25	-4.23	-3.69	-0.97	-0.72	0.71	0.06	0.02	-1.37	-7.64
Barataria Waterway at Lafitte (USACE82875)	-0.44	-0.27	-0.22	0.22	0.08	0.18	0.74	1.98	0.98	1.00	0.72	-0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	101.59	181.63	149.97	124.84	98.01	34.72	49.56	41.74	31.77	34.33	23.66	148.28
USGS7380251 Barataria Bay North of Grand Isle	31.05	75.74	66.82	57.13	46.72	13.27	7.64	3.00	1.55	2.17	10.18	47.65
USGS73802515 Hackberry Bay Northwest of Grand Isle	52.32	101.78	81.56	62.86	50.83	15.05	7.48	6.30	5.73	6.07	7.67	71.16
USGS 07380335 - Little Lake Near Cutoff	31.66	70.36	57.52	41.54	35.52	11.78	3.35	3.15	2.29	2.17	2.06	42.08
USGS073802516 Barataria Pass at Grand Isle	21.64	36.52	25.14	20.91	16.37	6.96	1.86	2.57	1.34	1.76	2.25	16.39
HWQ14 - Lake Washington	8.88	21.60	14.94	18.79	17.79	6.93	1.81	0.15	-0.58	-0.15	2.40	10.15
HWQ16 - Bayou Grand Liard	2.20	4.61	1.13	3.16	0.62	2.36	0.23	0.37	-0.05	-0.30	-1.20	-0.87
CRMS 3985	3.74	17.19	23.02	23.08	24.12	6.13	0.02	-12.28	-4.91	-3.45	7.19	8.05
CRMS 0258	17.63	31.98	26.21	18.21	18.81	2.81	1.99	2.27	0.17	1.24	0.55	18.70
CRMS 0224	30.50	52.69	38.62	30.16	29.24	7.86	4.67	4.66	2.60	3.46	2.76	34.92
CRMS 0163	-0.70	0.18	-0.36	-0.76	0.02	0.18	0.69	1.25	0.60	-0.18	-1.03	-0.75
CRMS 0162	-3.43	-3.32	-4.30	-3.55	-3.49	-0.47	-0.41	1.12	-0.50	-1.05	-4.76	-2.88

Figure WQ TSS 52 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.92	5.96	5.87	8.38	10.55	6.12	6.20	6.20	5.57	5.62	7.05	7.34
CRMS0276 - Just east of Wilkinson Canal	22.85	89.57	54.92	84.95	75.45	44.16	14.00	9.74	12.96	26.23	52.15	56.80
Barataria Waterway at Lafitte (USACE82875)	70.24	141.73	98.19	105.79	111.19	78.01	46.80	43.33	33.84	85.00	113.77	100.16
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	4.66	4.75	9.23	10.27	6.43	5.18	5.61	4.91	4.24	4.22	5.22
USGS7380251 Barataria Bay North of Grand Isle	8.07	10.21	10.33	12.60	8.96	6.95	13.22	10.22	8.98	13.06	8.92	10.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.43	10.19	11.48	16.05	11.55	7.63	7.45	7.34	6.09	6.63	9.96	9.19
USGS 07380335 - Little Lake Near Cutoff	9.49	20.69	16.63	25.54	18.70	10.57	7.06	6.37	4.88	7.21	14.97	16.01
USGS073802516 Barataria Pass at Grand Isle	7.00	14.53	14.04	20.89	17.96	12.63	8.62	8.71	6.30	7.75	11.25	12.45
HWQ14 - Lake Washington	5.93	5.26	9.78	11.54	6.80	5.29	8.10	6.33	5.63	7.86	6.52	6.07
HWQ16 - Bayou Grand Liard	19.04	60.05	35.17	56.40	42.99	27.84	12.21	12.63	6.89	11.20	34.48	39.24
CRMS 3985	14.84	18.57	15.96	14.29	5.78	7.80	19.35	11.48	8.46	19.39	9.76	18.51
CRMS 0258	4.99	26.79	16.61	28.50	34.46	9.36	5.86	5.65	5.76	5.71	20.47	19.79
CRMS 0224	4.08	10.82	9.96	20.23	17.89	12.46	7.81	8.27	7.98	7.75	8.14	8.81
CRMS 0163	91.14	151.57	111.68	91.36	97.15	74.59	50.28	44.85	37.27	105.21	135.15	111.34
CRMS 0162	129.21	197.76	163.05	125.56	141.57	102.91	77.08	57.64	30.10	148.24	180.54	163.92

V3PR4 HYST - cy 1 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.35	249.78	225.78	145.11	193.35	111.95	86.75	55.90	47.33	150.63	181.80	157.80
CRMS0276 - Just east of Wilkinson Canal	22.48	83.09	51.91	85.26	69.79	42.99	15.60	10.60	13.34	25.73	50.89	54.87
Barataria Waterway at Lafitte (USACE82875)	72.30	141.91	100.68	107.93	110.68	79.13	49.20	45.17	34.62	86.58	114.75	102.38
USGS2928590900040000 Barataria Waterway South of Lafitte	63.10	176.78	132.99	59.31	135.55	43.26	47.25	36.53	22.56	54.04	37.42	39.27
USGS7380251 Barataria Bay North of Grand Isle	18.92	78.90	59.70	45.35	68.35	17.19	12.49	12.13	9.17	13.95	20.52	16.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.51	100.98	71.76	51.71	79.01	19.50	13.10	11.41	8.79	14.88	20.06	18.35
USGS 07380335 - Little Lake Near Cutoff	11.91	81.32	53.36	53.29	60.52	17.55	10.62	7.79	5.94	10.37	18.81	18.70
USGS073802516 Barataria Pass at Grand Isle	9.23	50.51	32.01	42.08	33.52	16.96	10.66	9.55	6.57	9.94	14.66	14.57
HWQ14 - Lake Washington	7.21	24.48	18.95	28.34	20.47	9.62	5.35	4.47	4.22	6.42	8.86	8.78
HWQ16 - Bayou Grand Liard	18.75	61.94	38.30	61.19	43.55	28.87	13.06	12.48	7.14	11.29	33.89	37.65
CRMS 3985	14.69	26.97	17.10	25.33	24.12	7.82	3.87	3.49	4.73	10.23	17.24	19.90
CRMS 0258	7.46	45.45	24.14	33.90	47.01	10.64	7.94	7.77	6.15	7.65	21.60	21.09
CRMS 0224	8.80	53.97	32.11	35.81	45.65	17.23	12.58	12.21	10.10	12.70	12.01	11.81
CRMS 0163	91.55	151.15	109.78	93.47	95.19	74.15	51.81	45.94	38.30	105.77	134.22	112.14
CRMS 0162	126.25	193.76	159.21	122.95	136.69	101.98	78.24	57.44	30.22	148.17	175.95	162.78

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	161.43	243.82	219.91	136.74	182.80	105.83	80.55	49.70	41.77	145.01	174.74	150.46
CRMS0276 - Just east of Wilkinson Canal	-0.37	-6.48	-3.01	0.30	-5.66	-1.17	1.60	0.86	0.37	-0.50	-1.26	-1.93
Barataria Waterway at Lafitte (USACE82875)	2.06	0.18	2.48	2.14	-0.51	1.12	2.40	1.84	0.78	1.59	0.98	2.22
USGS2928590900040000 Barataria Waterway South of Lafitte	61.35	172.12	128.24	50.08	125.28	36.83	42.07	30.92	17.65	49.80	33.20	34.05
USGS7380251 Barataria Bay North of Grand Isle	10.85	68.69	49.37	32.76	59.39	10.25	-0.73	1.90	0.19	0.89	11.60	6.52
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.08	90.79	60.28	35.66	67.46	11.88	5.64	4.07	2.71	8.25	10.10	9.15
USGS 07380335 - Little Lake Near Cutoff	2.42	60.63	36.73	27.76	41.82	6.98	3.56	1.42	1.06	3.15	3.84	2.69
USGS073802516 Barataria Pass at Grand Isle	2.24	35.98	17.97	21.19	15.56	4.33	2.05	0.84	0.27	2.20	3.41	2.12
HWQ14 - Lake Washington	1.28	19.22	9.17	16.80	13.67	4.33	-2.76	-1.87	-1.41	-1.44	2.33	2.71
HWQ16 - Bayou Grand Liard	-0.28	1.89	3.14	4.78	0.56	1.04	0.85	-0.15	0.25	0.09	-0.59	-1.59
CRMS 3985	-0.15	8.40	1.14	11.04	18.34	0.02	-15.49	-7.99	-3.73	-9.16	7.48	1.39
CRMS 0258	2.47	18.66	7.53	5.40	12.55	1.28	2.08	2.12	0.39	1.94	1.13	1.30
CRMS 0224	4.72	43.15	22.15	15.57	27.76	4.77	4.77	3.93	2.13	4.96	3.87	3.01
CRMS 0163	0.41	-0.43	-1.90	2.11	-1.96	-0.44	1.53	1.09	1.03	0.56	-0.93	0.80
CRMS 0162	-2.96	-4.00	-3.84	-2.61	-4.88	-0.93	1.16	-0.20	0.12	-0.08	-4.59	-1.15

Figure WQ TSS 53 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.39	3.97	5.58	8.27	9.70	7.94	8.24	8.93	7.02	6.23	3.29	5.86
CRMS0276 - Just east of Wilkinson Canal	26.93	54.98	32.67	56.92	61.85	49.35	31.87	32.97	42.80	29.72	23.90	31.36
Barataria Waterway at Lafitte (USACE82875)	61.96	82.84	51.96	72.12	87.95	71.61	74.27	75.41	66.59	67.99	53.04	77.69
USGS2928590900040000 Barataria Waterway South of Lafitte	2.01	3.08	4.72	8.29	9.70	7.66	5.13	5.29	6.21	5.33	2.78	3.46
USGS7380251 Barataria Bay North of Grand Isle	7.68	6.58	5.62	8.31	7.95	7.01	7.37	7.65	10.19	9.36	6.39	8.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.28	8.06	9.80	12.90	10.77	8.18	7.48	9.64	8.07	7.87	6.71	5.33
USGS 07380335 - Little Lake Near Cutoff	10.04	15.19	14.88	20.63	16.73	11.55	10.15	12.73	10.62	10.13	9.08	7.77
USGS073802516 Barataria Pass at Grand Isle	7.32	11.14	12.25	17.25	16.32	14.12	12.38	14.89	8.80	10.11	7.55	6.86
HWQ14 - Lake Washington	5.46	4.39	6.24	7.28	6.36	5.22	4.04	4.34	5.14	6.10	4.97	4.86
HWQ16 - Bayou Grand Liard	24.50	43.49	27.72	40.65	36.22	32.87	27.82	27.15	22.94	15.12	15.83	20.18
CRMS 3985	13.11	11.02	4.42	6.29	5.12	4.42	3.48	3.58	13.17	11.52	11.02	18.43
CRMS 0258	10.53	15.03	15.29	21.98	28.07	26.95	27.37	27.64	14.07	9.16	2.62	8.30
CRMS 0224	4.23	8.25	9.84	16.34	16.17	15.40	10.46	11.49	14.11	11.23	5.46	3.54
CRMS 0163	71.03	86.97	54.90	65.85	77.81	64.25	75.56	79.49	74.76	75.69	56.58	87.63
CRMS 0162	105.48	129.05	92.09	96.69	113.62	94.23	114.60	109.23	97.57	107.56	69.67	136.11

V3PR4 HYST - cy 1 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.66	184.45	148.57	150.20	177.46	141.41	152.31	125.50	96.24	106.49	88.62	143.96
CRMS0276 - Just east of Wilkinson Canal	31.20	48.23	29.07	54.17	54.06	43.45	33.38	33.08	42.96	29.73	22.61	30.99
Barataria Waterway at Lafitte (USACE82875)	62.17	83.16	51.31	72.47	87.40	70.89	72.77	74.36	68.06	69.17	54.92	81.34
USGS2928590900040000 Barataria Waterway South of Lafitte	124.43	149.39	114.94	117.36	142.88	113.10	124.15	80.57	37.78	44.27	19.00	35.39
USGS7380251 Barataria Bay North of Grand Isle	44.42	70.05	48.88	60.37	75.62	55.22	56.07	41.30	14.98	12.53	10.78	8.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	61.42	89.76	61.81	70.63	82.09	66.33	74.24	50.21	16.74	15.42	11.55	12.52
USGS 07380335 - Little Lake Near Cutoff	44.02	71.44	47.44	59.87	65.55	53.32	58.45	39.81	15.92	13.33	10.61	9.83
USGS073802516 Barataria Pass at Grand Isle	25.02	42.22	26.33	39.45	36.07	29.51	31.92	28.66	14.20	12.77	8.94	7.72
HWQ14 - Lake Washington	10.56	23.59	14.91	27.37	23.59	20.06	16.17	12.74	7.04	6.70	5.33	3.55
HWQ16 - Bayou Grand Liard	25.91	45.34	28.11	44.55	40.44	35.59	30.20	27.31	24.58	15.49	14.88	19.21
CRMS 3985	9.69	25.60	16.57	27.67	32.24	25.35	22.16	15.34	6.11	5.81	5.48	3.15
CRMS 0258	32.58	40.40	25.88	39.38	50.89	47.14	56.04	41.97	15.33	10.74	3.21	9.87
CRMS 0224	38.69	50.44	29.51	45.40	51.99	47.21	55.18	38.23	18.64	15.80	7.19	7.29
CRMS 0163	70.91	86.94	54.59	65.42	77.16	64.06	75.29	79.20	75.92	75.94	57.61	90.49
CRMS 0162	103.15	125.43	87.73	93.74	110.50	91.78	112.14	108.11	98.81	107.48	69.52	138.14

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	153.27	180.48	142.99	141.93	167.76	133.46	144.07	116.57	89.22	100.25	85.34	138.10
CRMS0276 - Just east of Wilkinson Canal	4.27	-6.75	-3.61	-2.75	-7.79	-5.89	1.51	0.11	0.16	0.02	-1.29	-0.37
Barataria Waterway at Lafitte (USACE82875)	0.21	0.32	-0.65	0.35	-0.55	-0.72	-1.50	-1.05	1.48	1.18	1.89	3.65
USGS2928590900040000 Barataria Waterway South of Lafitte	122.42	146.30	110.22	109.07	133.18	105.44	119.01	75.28	31.57	38.94	16.22	31.93
USGS7380251 Barataria Bay North of Grand Isle	36.74	63.47	43.27	52.07	67.67	48.21	48.69	33.66	4.79	3.16	4.40	-0.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	55.15	81.71	52.01	57.72	71.32	58.15	66.76	40.57	8.67	7.55	4.84	7.19
USGS 07380335 - Little Lake Near Cutoff	33.98	56.26	32.56	39.24	48.82	41.77	48.29	27.07	5.30	3.21	1.52	2.07
USGS073802516 Barataria Pass at Grand Isle	17.70	31.08	14.08	22.20	19.75	15.39	19.54	13.77	5.40	2.67	1.39	0.86
HWQ14 - Lake Washington	5.10	19.20	8.67	20.09	17.24	14.84	12.13	8.39	1.90	0.60	0.36	-1.31
HWQ16 - Bayou Grand Liard	1.41	1.84	0.39	3.90	4.23	2.72	2.38	0.16	1.64	0.36	-0.95	-0.97
CRMS 3985	-3.42	14.58	12.14	21.39	27.12	20.93	18.68	11.76	-7.06	-5.71	-5.54	-15.28
CRMS 0258	22.04	25.37	10.59	17.40	22.82	20.19	28.66	14.34	1.26	1.58	0.59	1.57
CRMS 0224	34.46	42.19	19.67	29.06	35.82	31.81	44.72	26.74	4.52	4.57	1.74	3.76
CRMS 0163	-0.12	-0.03	-0.31	-0.43	-0.65	-0.20	-0.26	-0.30	1.16	0.25	1.02	2.87
CRMS 0162	-2.33	-3.62	-4.35	-2.95	-3.12	-2.45	-2.46	-1.13	1.24	-0.08	-0.15	2.02

Figure WQ TSS 54 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.94	2.14	9.02	10.62	11.93	7.94	7.33	7.69	5.89	5.94	3.16	8.65
CRMS0276 - Just east of Wilkinson Canal	43.21	36.22	77.62	83.00	97.36	36.17	21.09	20.38	29.60	20.28	24.02	87.08
Barataria Waterway at Lafitte (USACE82875)	82.64	69.02	148.64	105.21	128.87	50.90	55.10	59.91	56.44	56.07	54.85	153.97
USGS2928590900040000 Barataria Waterway South of Lafitte	2.57	1.44	5.18	11.30	12.80	7.98	4.83	4.44	4.64	4.64	2.44	5.03
USGS7380251 Barataria Bay North of Grand Isle	11.45	7.49	13.67	12.18	9.62	7.01	6.94	7.09	8.71	10.41	6.34	13.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.22	7.22	14.28	20.36	15.71	9.29	6.83	8.53	7.10	7.03	6.12	9.67
USGS 07380335 - Little Lake Near Cutoff	19.00	11.02	21.42	31.93	26.94	12.66	8.03	9.80	8.26	7.75	8.49	18.60
USGS073802516 Barataria Pass at Grand Isle	12.91	8.45	17.35	27.26	26.12	15.25	10.32	12.41	7.62	8.73	7.19	14.30
HWQ14 - Lake Washington	7.97	5.72	10.87	11.83	8.15	5.99	4.13	4.26	4.74	6.56	5.25	6.63
HWQ16 - Bayou Grand Liard	40.34	22.33	61.62	63.85	73.00	29.25	16.78	17.35	15.99	10.78	15.45	59.54
CRMS 3985	22.33	13.62	25.01	10.79	6.63	4.52	3.15	3.43	10.85	13.67	8.86	25.72
CRMS 0258	5.74	2.26	36.14	30.66	36.78	20.64	21.29	21.23	6.86	6.01	3.61	31.32
CRMS 0224	7.50	5.60	11.99	23.85	25.37	15.69	8.70	9.74	10.50	9.10	4.27	8.10
CRMS 0163	87.69	82.44	150.43	102.68	120.97	36.06	57.27	62.60	63.69	55.58	67.87	169.62
CRMS 0162	130.32	113.35	247.70	145.73	179.80	66.37	80.79	81.99	79.14	73.20	86.69	252.43

V3PR4 HYST - cy 1 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.29	124.25	343.59	220.56	250.40	106.34	111.19	83.00	80.98	78.04	121.27	336.12
CRMS0276 - Just east of Wilkinson Canal	45.12	36.07	65.52	78.73	91.40	33.40	25.95	25.78	34.21	21.22	22.57	69.39
Barataria Waterway at Lafitte (USACE82875)	84.81	71.34	147.40	104.65	128.46	50.46	53.85	60.29	57.87	56.84	55.61	152.92
USGS2928590900040000 Barataria Waterway South of Lafitte	47.79	29.38	284.75	181.50	207.50	78.31	87.15	44.55	33.64	37.24	36.63	287.13
USGS7380251 Barataria Bay North of Grand Isle	24.11	11.41	133.94	95.00	110.86	37.79	42.71	19.82	12.80	11.29	16.18	133.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	35.77	12.50	175.46	108.74	129.33	42.22	51.77	20.45	13.98	13.38	11.59	176.74
USGS 07380335 - Little Lake Near Cutoff	39.13	12.82	141.21	89.45	108.16	36.01	40.70	17.60	12.34	10.88	9.31	136.12
USGS073802516 Barataria Pass at Grand Isle	29.07	9.53	66.56	55.01	58.17	24.77	24.55	18.88	11.60	11.06	8.18	70.87
HWQ14 - Lake Washington	16.64	5.69	32.64	39.35	39.40	18.22	13.11	8.22	5.71	6.03	5.48	31.14
HWQ16 - Bayou Grand Liard	44.21	22.37	71.22	65.82	73.03	28.64	20.29	18.68	17.91	11.27	14.29	66.39
CRMS 3985	18.30	13.68	53.85	42.48	52.28	21.05	16.49	6.36	4.65	6.15	9.68	46.72
CRMS 0258	16.76	3.13	83.08	54.32	75.81	35.58	43.27	25.81	9.32	9.82	4.61	81.08
CRMS 0224	27.94	7.45	83.52	64.01	81.91	35.90	42.48	19.65	14.95	13.81	6.17	88.00
CRMS 0163	89.28	82.57	149.16	101.57	120.34	35.81	56.90	62.97	65.30	56.21	67.12	168.18
CRMS 0162	130.16	111.38	240.82	140.91	174.94	63.54	79.03	81.79	80.97	73.13	84.49	247.39

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	132.35	122.11	334.56	209.94	238.47	98.39	103.86	75.31	75.09	72.09	118.11	327.47
CRMS0276 - Just east of Wilkinson Canal	1.90	-0.15	-12.10	-4.26	-5.96	-2.77	4.86	5.40	4.61	0.94	-1.45	-17.69
Barataria Waterway at Lafitte (USACE82875)	2.16	2.32	-1.23	-0.56	-0.41	-0.43	-1.24	0.38	1.42	0.77	0.75	-1.05
USGS2928590900040000 Barataria Waterway South of Lafitte	45.21	27.94	279.57	170.21	194.70	70.33	82.32	40.11	28.99	32.60	34.19	282.10
USGS7380251 Barataria Bay North of Grand Isle	12.66	3.92	120.27	82.82	101.23	30.78	35.77	12.73	4.10	0.88	9.84	120.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.55	5.28	161.18	88.38	113.62	32.92	44.94	11.92	6.88	6.35	5.46	167.07
USGS 07380335 - Little Lake Near Cutoff	20.13	1.80	119.79	57.52	81.22	23.34	32.67	7.80	4.08	3.13	0.82	117.52
USGS073802516 Barataria Pass at Grand Isle	16.16	1.07	49.21	27.75	32.05	9.51	14.23	6.47	3.98	2.33	0.99	56.57
HWQ14 - Lake Washington	8.67	-0.03	21.77	27.52	31.25	12.24	8.98	3.96	0.97	-0.53	0.22	24.51
HWQ16 - Bayou Grand Liard	3.87	0.04	9.60	1.97	0.03	-0.61	3.51	1.33	1.92	0.49	-1.16	6.85
CRMS 3985	-4.04	0.07	28.85	31.70	45.65	16.53	13.35	2.93	-6.20	-7.52	0.83	21.00
CRMS 0258	11.02	0.86	46.93	23.66	39.03	14.94	21.97	4.59	2.45	3.81	1.00	49.76
CRMS 0224	20.44	1.85	71.53	40.16	56.54	20.21	33.79	9.92	4.45	4.71	1.90	79.91
CRMS 0163	1.58	0.13	-1.27	-1.12	-0.63	-0.24	-0.36	0.37	1.61	0.63	-0.75	-1.43
CRMS 0162	-0.16	-1.97	-6.88	-4.82	-4.87	-2.83	-1.76	-0.20	1.82	-0.07	-2.20	-5.03

Figure WQ TSS 55 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.49	5.31	7.02	9.15	9.13	7.57	7.21	6.14	6.13	5.92	5.06	6.71
CRMS0276 - Just east of Wilkinson Canal	40.54	72.80	60.28	66.38	54.32	38.21	23.76	17.73	31.15	33.09	42.45	47.11
Barataria Waterway at Lafitte (USACE82875)	119.81	113.51	96.58	86.92	69.95	61.29	59.04	52.65	63.80	77.74	86.95	91.55
USGS2928590900040000 Barataria Waterway South of Lafitte	3.47	4.34	5.60	9.56	9.79	7.31	5.10	4.56	4.74	4.74	3.80	4.38
USGS7380251 Barataria Bay North of Grand Isle	11.40	6.31	8.01	8.47	7.42	6.62	6.70	7.22	10.62	10.28	8.93	10.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.21	11.40	13.64	16.38	11.51	7.56	7.03	7.67	7.35	7.98	9.76	7.69
USGS 07380335 - Little Lake Near Cutoff	13.90	21.34	22.35	26.75	17.77	9.90	8.97	7.96	8.28	10.34	13.99	12.14
USGS073802516 Barataria Pass at Grand Isle	9.20	15.19	17.42	22.16	17.63	12.16	11.04	10.53	7.63	10.21	10.67	9.94
HWQ14 - Lake Washington	6.67	4.57	7.67	7.66	6.58	5.10	4.18	4.29	5.85	6.84	6.47	6.33
HWQ16 - Bayou Grand Liard	36.60	52.96	52.43	53.98	37.41	23.46	18.46	14.07	13.59	16.53	28.44	29.25
CRMS 3985	18.73	9.44	6.99	5.47	4.56	3.91	3.24	7.68	13.58	13.49	16.13	19.67
CRMS 0258	24.11	24.44	23.52	25.39	23.83	24.21	18.94	6.88	7.52	9.67	7.88	13.47
CRMS 0224	5.67	12.12	12.90	20.12	17.19	12.75	9.65	9.59	11.16	10.67	7.78	5.82
CRMS 0163	134.58	120.90	93.42	82.87	57.17	55.76	60.14	57.25	77.42	89.94	101.65	103.05
CRMS 0162	204.54	173.14	155.14	126.32	87.75	78.18	83.68	75.21	96.16	130.94	132.06	156.31

V3PR5 HYST - cy 1 - 1975 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	274.04	244.17	219.61	185.97	145.11	116.88	90.00	81.76	100.47	131.35	142.00	154.11
CRMS0276 - Just east of Wilkinson Canal	50.09	65.28	50.70	62.42	48.11	34.08	23.13	19.14	31.96	33.35	41.75	45.20
Barataria Waterway at Lafitte (USACE82875)	118.06	112.41	95.10	86.81	69.81	60.28	58.70	53.98	65.27	79.38	89.26	93.57
USGS2928590900040000 Barataria Waterway South of Lafitte	209.60	190.95	171.21	139.72	105.49	84.42	57.61	39.30	32.77	45.16	26.11	32.81
USGS7380251 Barataria Bay North of Grand Isle	82.27	91.68	89.15	76.43	58.27	45.37	28.14	15.30	12.44	13.37	16.56	14.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	114.79	122.20	112.59	90.71	65.30	52.71	33.50	14.33	13.76	16.10	17.15	16.03
USGS 07380335 - Little Lake Near Cutoff	82.24	95.77	92.49	76.30	53.84	42.63	28.81	11.26	11.34	13.25	16.64	14.40
USGS073802516 Barataria Pass at Grand Isle	45.02	55.26	48.57	48.09	32.92	24.30	21.06	13.25	9.61	12.36	12.87	11.17
HWQ14 - Lake Washington	19.29	31.25	26.03	33.08	23.28	16.34	10.89	5.81	5.29	6.71	7.46	7.15
HWQ16 - Bayou Grand Liard	38.91	58.85	55.80	55.82	38.98	26.84	19.51	13.61	14.55	16.81	28.03	27.70
CRMS 3985	25.82	32.21	34.50	35.03	29.69	19.98	10.00	4.23	6.12	8.54	12.17	17.63
CRMS 0258	67.72	57.37	51.37	47.13	42.18	38.73	27.00	9.61	8.31	11.32	8.62	15.10
CRMS 0224	71.09	67.83	56.74	56.34	45.72	38.77	27.81	14.91	14.38	15.31	10.39	9.74
CRMS 0163	132.99	119.66	92.56	82.79	56.66	55.87	60.09	58.04	78.70	90.60	102.95	103.98
CRMS 0162	199.83	169.32	149.78	122.68	85.04	76.39	82.62	75.78	97.09	129.69	132.11	155.10

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	265.55	238.85	212.60	176.82	135.97	109.31	82.79	75.62	94.33	125.42	136.94	147.40
CRMS0276 - Just east of Wilkinson Canal	9.55	-7.52	-9.58	-3.96	-6.20	-4.13	-0.63	1.41	0.81	0.26	-0.71	-1.90
Barataria Waterway at Lafitte (USACE82875)	-1.74	-1.10	-1.47	-0.12	-0.14	-1.01	-0.33	1.32	1.47	1.64	2.31	2.02
USGS2928590900040000 Barataria Waterway South of Lafitte	206.13	186.61	165.61	130.16	95.71	77.11	52.51	34.74	28.03	40.42	22.31	28.43
USGS7380251 Barataria Bay North of Grand Isle	70.88	85.37	81.14	67.96	50.85	38.75	21.45	8.08	1.81	3.09	7.63	4.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	106.57	110.80	98.94	74.33	53.79	45.15	26.47	6.65	6.41	8.12	7.39	8.34
USGS 07380335 - Little Lake Near Cutoff	68.34	74.43	70.14	49.55	36.07	32.73	19.85	3.30	3.06	2.91	2.65	2.26
USGS073802516 Barataria Pass at Grand Isle	35.82	40.06	31.15	25.93	15.30	12.14	10.02	2.72	1.98	2.16	2.20	1.23
HWQ14 - Lake Washington	12.62	26.68	18.36	25.42	16.70	11.24	6.71	1.51	-0.57	-0.12	0.99	0.83
HWQ16 - Bayou Grand Liard	2.31	5.89	3.36	1.84	1.57	3.38	1.05	-0.46	0.95	0.29	-0.41	-1.55
CRMS 3985	7.09	22.77	27.51	29.56	25.13	16.07	6.75	-3.45	-7.46	-4.95	-3.96	-2.03
CRMS 0258	43.60	32.92	27.86	21.73	18.35	14.52	8.06	2.73	0.79	1.65	0.74	1.62
CRMS 0224	65.43	55.71	43.84	36.22	28.53	26.02	18.16	5.32	3.22	4.64	2.61	3.92
CRMS 0163	-1.59	-1.24	-0.87	-0.08	-0.51	0.11	-0.05	0.79	1.28	0.66	1.30	0.93
CRMS 0162	-4.71	-3.82	-5.36	-3.64	-2.71	-1.79	-1.06	0.57	0.93	-1.25	0.05	-1.21

Figure WQ TSS 56 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.68	4.67	6.59	8.44	9.30	7.19	6.54	6.68	6.06	5.46	2.90	7.29
CRMS0276 - Just east of Wilkinson Canal	41.68	62.68	51.92	51.72	52.89	30.35	19.14	19.44	24.65	17.69	33.15	62.56
Barataria Waterway at Lafitte (USACE82875)	79.82	100.65	81.65	69.08	70.28	50.44	58.61	58.26	56.92	53.07	81.01	121.61
USGS2928590900040000 Barataria Waterway South of Lafitte	2.78	3.64	5.45	8.66	10.03	6.95	4.86	4.83	4.81	4.52	2.36	3.94
USGS7380251 Barataria Bay North of Grand Isle	9.22	6.93	7.93	8.34	7.65	6.66	6.19	11.11	9.61	8.48	5.10	10.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.27	8.91	13.34	13.59	11.62	7.38	6.64	7.57	7.24	6.54	6.22	7.54
USGS 07380335 - Little Lake Near Cutoff	15.78	16.82	21.29	20.92	18.27	9.04	7.67	7.70	7.61	7.13	9.46	13.79
USGS073802516 Barataria Pass at Grand Isle	10.73	12.10	16.87	18.13	18.29	11.23	9.61	10.03	7.64	8.14	7.37	10.58
HWQ14 - Lake Washington	6.85	4.27	8.07	7.70	6.67	5.18	4.01	4.73	5.52	5.85	4.14	5.26
HWQ16 - Bayou Grand Liard	35.19	46.63	49.31	39.27	40.46	17.50	12.85	15.12	12.26	9.94	19.59	39.02
CRMS 3985	14.78	12.08	7.53	6.15	5.06	4.02	3.95	16.08	11.37	9.54	6.07	19.17
CRMS 0258	14.99	20.45	19.12	22.24	24.20	18.74	13.39	7.29	7.44	7.18	2.29	26.05
CRMS 0224	6.55	9.55	12.60	16.54	18.20	12.01	9.09	9.46	10.53	8.86	4.72	6.31
CRMS 0163	82.97	107.11	79.25	68.59	54.43	47.82	63.25	58.83	64.97	58.63	95.72	135.95
CRMS 0162	126.79	156.79	134.61	106.05	88.22	62.23	91.85	79.79	76.18	74.28	120.92	203.00

V3PR5 HYST - cy 1 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	152.86	224.51	191.53	168.04	139.54	72.25	93.17	82.93	83.02	90.18	140.20	253.86
CRMS0276 - Just east of Wilkinson Canal	39.70	55.69	43.60	47.58	49.27	29.26	18.47	20.15	24.85	17.85	32.34	55.75
Barataria Waterway at Lafitte (USACE82875)	79.56	100.26	81.20	69.41	70.34	50.62	59.46	60.23	57.57	54.24	83.28	123.74
USGS2928590900040000 Barataria Waterway South of Lafitte	98.40	174.76	146.02	124.03	99.47	36.66	47.88	42.07	32.67	35.07	23.41	145.00
USGS7380251 Barataria Bay North of Grand Isle	38.47	83.57	75.66	65.84	54.70	20.02	13.93	14.29	11.12	10.83	13.70	55.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	60.86	111.48	95.75	76.86	62.96	22.58	14.25	14.00	13.12	12.72	13.58	79.37
USGS 07380335 - Little Lake Near Cutoff	46.70	87.42	79.09	62.71	53.99	20.88	11.10	10.91	9.93	9.35	11.49	56.31
USGS073802516 Barataria Pass at Grand Isle	31.04	48.52	42.07	39.29	34.73	18.16	11.51	12.70	9.02	9.92	9.44	26.14
HWQ14 - Lake Washington	13.01	25.72	23.21	26.67	24.66	12.20	5.85	4.92	4.94	5.67	5.30	11.53
HWQ16 - Bayou Grand Liard	37.23	50.88	50.18	42.39	41.13	19.55	13.20	15.80	12.15	9.80	18.72	38.74
CRMS 3985	14.70	29.60	31.06	29.55	29.56	10.22	4.01	3.81	6.46	6.00	4.40	11.77
CRMS 0258	32.20	51.26	44.22	40.10	42.44	21.53	15.38	9.54	7.61	8.31	2.88	44.30
CRMS 0224	36.69	61.14	50.53	46.42	47.14	19.76	13.82	14.21	13.10	12.23	7.50	41.20
CRMS 0163	82.40	107.23	78.67	68.42	54.46	47.81	64.05	60.26	65.64	58.58	96.36	137.58
CRMS 0162	123.69	153.60	131.03	102.39	85.17	61.50	91.59	81.13	75.95	73.77	120.28	203.36

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	147.18	219.84	184.94	159.61	130.24	65.06	86.63	76.25	76.96	84.72	137.30	246.57
CRMS0276 - Just east of Wilkinson Canal	-1.98	-7.00	-8.31	-4.13	-3.62	-1.09	-0.68	0.71	0.20	0.16	-0.81	-6.81
Barataria Waterway at Lafitte (USACE82875)	-0.26	-0.39	-0.45	0.34	0.07	0.18	0.84	1.97	0.65	1.17	2.27	2.13
USGS2928590900040000 Barataria Waterway South of Lafitte	95.62	171.11	140.57	115.37	89.44	29.71	43.01	37.24	27.86	30.55	21.05	141.06
USGS7380251 Barataria Bay North of Grand Isle	29.25	76.64	67.73	57.50	47.05	13.36	7.74	3.17	1.51	2.35	8.61	44.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	51.59	102.57	82.41	63.28	51.34	15.20	7.62	6.44	5.87	6.18	7.36	71.83
USGS 07380335 - Little Lake Near Cutoff	30.92	70.59	57.80	41.80	35.72	11.85	3.43	3.21	2.32	2.22	2.04	42.52
USGS073802516 Barataria Pass at Grand Isle	20.31	36.41	25.21	21.16	16.44	6.93	1.90	2.66	1.38	1.78	2.08	15.57
HWQ14 - Lake Washington	6.17	21.45	15.14	18.98	17.99	7.03	1.84	0.19	-0.58	-0.18	1.16	6.27
HWQ16 - Bayou Grand Liard	2.04	4.24	0.88	3.11	0.68	2.05	0.34	0.68	-0.11	-0.14	-0.87	-0.28
CRMS 3985	-0.07	17.51	23.53	23.40	24.51	6.20	0.06	-12.27	-4.91	-3.54	-1.68	-7.40
CRMS 0258	17.21	30.80	25.10	17.85	18.24	2.79	1.99	2.25	0.18	1.13	0.59	18.25
CRMS 0224	30.13	51.59	37.93	29.88	28.94	7.75	4.73	4.75	2.57	3.37	2.78	34.89
CRMS 0163	-0.57	0.12	-0.59	-0.17	0.03	-0.01	0.80	1.43	0.66	-0.04	0.64	1.62
CRMS 0162	-3.11	-3.19	-3.59	-3.66	-3.05	-0.73	-0.26	1.34	-0.23	-0.51	-0.64	0.36

Figure WQ TSS 57 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.92	5.96	5.87	8.38	10.55	6.12	6.20	6.20	5.57	5.62	7.05	7.34
CRMS0276 - Just east of Wilkinson Canal	22.85	89.57	54.92	84.95	75.45	44.16	14.00	9.74	12.96	26.23	52.15	56.80
Barataria Waterway at Lafitte (USACE82875)	70.24	141.73	98.19	105.79	111.19	78.01	46.80	43.33	33.84	85.00	113.77	100.16
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	4.66	4.75	9.23	10.27	6.43	5.18	5.61	4.91	4.24	4.22	5.22
USGS7380251 Barataria Bay North of Grand Isle	8.07	10.21	10.33	12.60	8.96	6.95	13.22	10.22	8.98	13.06	8.92	10.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.43	10.19	11.48	16.05	11.55	7.63	7.45	7.34	6.09	6.63	9.96	9.19
USGS 07380335 - Little Lake Near Cutoff	9.49	20.69	16.63	25.54	18.70	10.57	7.06	6.37	4.88	7.21	14.97	16.01
USGS073802516 Barataria Pass at Grand Isle	7.00	14.53	14.04	20.89	17.96	12.63	8.62	8.71	6.30	7.75	11.25	12.45
HWQ14 - Lake Washington	5.93	5.26	9.78	11.54	6.80	5.29	8.10	6.33	5.63	7.86	6.52	6.07
HWQ16 - Bayou Grand Liard	19.04	60.05	35.17	56.40	42.99	27.84	12.21	12.63	6.89	11.20	34.48	39.24
CRMS 3985	14.84	18.57	15.96	14.29	5.78	7.80	19.35	11.48	8.46	19.39	9.76	18.51
CRMS 0258	4.99	26.79	16.61	28.50	34.46	9.36	5.86	5.65	5.76	5.71	20.47	19.79
CRMS 0224	4.08	10.82	9.96	20.23	17.89	12.46	7.81	8.27	7.98	7.75	8.14	8.81
CRMS 0163	91.14	151.57	111.68	91.36	97.15	74.59	50.28	44.85	37.27	105.21	135.15	111.34
CRMS 0162	129.21	197.76	163.05	125.56	141.57	102.91	77.08	57.64	30.10	148.24	180.54	163.92

V3PR5 HYST - cy 1 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	163.60	249.53	225.37	145.00	192.80	111.50	86.63	55.94	47.22	151.09	181.20	158.86
CRMS0276 - Just east of Wilkinson Canal	22.85	83.14	51.81	84.89	69.97	42.90	15.63	10.76	13.74	26.60	51.68	55.37
Barataria Waterway at Lafitte (USACE82875)	73.25	141.94	100.88	107.18	110.42	78.87	49.51	45.15	34.80	87.40	115.66	102.98
USGS2928590900040000 Barataria Waterway South of Lafitte	54.12	167.17	124.33	55.77	128.28	36.51	41.52	32.39	20.07	48.13	32.17	33.60
USGS7380251 Barataria Bay North of Grand Isle	16.54	79.46	60.92	45.05	68.73	17.18	12.36	12.22	9.35	13.86	20.74	16.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.66	101.48	71.88	51.64	79.67	19.65	13.23	11.55	8.81	15.00	20.35	18.54
USGS 07380335 - Little Lake Near Cutoff	11.27	81.50	52.65	53.41	60.92	17.60	10.64	7.94	5.95	10.36	19.14	18.74
USGS073802516 Barataria Pass at Grand Isle	8.19	50.40	32.28	42.40	33.97	17.00	10.71	9.63	6.58	9.90	14.90	14.45
HWQ14 - Lake Washington	4.83	24.32	19.43	27.86	20.39	9.59	5.31	4.51	4.33	6.56	8.98	8.69
HWQ16 - Bayou Grand Liard	18.75	62.37	38.23	62.34	43.93	29.03	13.14	12.53	7.24	11.35	35.13	37.79
CRMS 3985	9.91	27.01	17.82	24.93	24.02	7.84	3.88	3.57	4.88	10.17	17.20	16.94
CRMS 0258	7.37	44.87	23.88	33.83	46.67	10.70	7.84	7.65	6.19	7.58	21.64	21.15
CRMS 0224	8.58	53.02	31.33	35.55	45.20	17.11	12.55	12.20	10.16	12.72	12.04	11.85
CRMS 0163	91.86	150.92	110.11	91.24	95.64	73.70	52.31	45.63	38.15	106.62	134.35	112.66
CRMS 0162	126.40	194.35	159.29	123.42	137.23	101.84	78.73	57.12	28.92	149.37	175.53	164.65

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	160.68	243.57	219.50	136.63	182.25	105.38	80.44	49.74	41.65	145.47	174.15	151.52
CRMS0276 - Just east of Wilkinson Canal	0.00	-6.43	-3.11	-0.06	-5.48	-1.26	1.63	1.02	0.78	0.37	-0.47	-1.43
Barataria Waterway at Lafitte (USACE82875)	3.01	0.21	2.69	1.39	-0.77	0.86	2.71	1.81	0.96	2.41	1.89	2.81
USGS2928590900040000 Barataria Waterway South of Lafitte	52.37	162.50	119.58	46.53	118.01	30.08	36.34	26.78	15.15	43.89	27.96	28.38
USGS7380251 Barataria Bay North of Grand Isle	8.47	69.26	50.59	32.46	59.77	10.24	-0.86	2.00	0.37	0.80	11.83	5.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.23	91.30	60.40	35.60	68.13	12.02	5.77	4.20	2.73	8.37	10.39	9.35
USGS 07380335 - Little Lake Near Cutoff	1.78	60.81	36.03	27.88	42.22	7.03	3.57	1.56	1.06	3.15	4.17	2.73
USGS073802516 Barataria Pass at Grand Isle	1.20	35.87	18.24	21.51	16.01	4.37	2.09	0.91	0.27	2.15	3.65	2.00
HWQ14 - Lake Washington	-1.10	19.06	9.64	16.31	13.58	4.31	-2.80	-1.82	-1.30	-1.30	2.46	2.61
HWQ16 - Bayou Grand Liard	-0.29	2.33	3.07	5.94	0.94	1.19	0.93	-0.10	0.35	0.15	0.64	-1.45
CRMS 3985	-4.93	8.44	1.85	10.64	18.24	0.04	-15.48	-7.91	-3.59	-9.21	7.45	-1.56
CRMS 0258	2.39	18.08	7.27	5.33	12.21	1.34	1.97	2.00	0.44	1.87	1.17	1.36
CRMS 0224	4.49	42.20	21.36	15.31	27.31	4.65	4.74	3.92	2.18	4.97	3.89	3.04
CRMS 0163	0.71	-0.65	-1.57	-0.12	-1.51	-0.89	2.04	0.78	0.88	1.40	-0.81	1.32
CRMS 0162	-2.81	-3.40	-3.76	-2.14	-4.35	-1.07	1.64	-0.53	-1.18	1.13	-5.02	0.72

Figure WQ TSS 58 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.39	3.97	5.58	8.27	9.70	7.94	8.24	8.93	7.02	6.23	3.29	5.86
CRMS0276 - Just east of Wilkinson Canal	26.93	54.98	32.67	56.92	61.85	49.35	31.87	32.97	42.80	29.72	23.90	31.36
Barataria Waterway at Lafitte (USACE82875)	61.96	82.84	51.96	72.12	87.95	71.61	74.27	75.41	66.59	67.99	53.04	77.69
USGS2928590900040000 Barataria Waterway South of Lafitte	2.01	3.08	4.72	8.29	9.70	7.66	5.13	5.29	6.21	5.33	2.78	3.46
USGS7380251 Barataria Bay North of Grand Isle	7.68	6.58	5.62	8.31	7.95	7.01	7.37	7.65	10.19	9.36	6.39	8.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.28	8.06	9.80	12.90	10.77	8.18	7.48	9.64	8.07	7.87	6.71	5.33
USGS 07380335 - Little Lake Near Cutoff	10.04	15.19	14.88	20.63	16.73	11.55	10.15	12.73	10.62	10.13	9.08	7.77
USGS073802516 Barataria Pass at Grand Isle	7.32	11.14	12.25	17.25	16.32	14.12	12.38	14.89	8.80	10.11	7.55	6.86
HWQ14 - Lake Washington	5.46	4.39	6.24	7.28	6.36	5.22	4.04	4.34	5.14	6.10	4.97	4.86
HWQ16 - Bayou Grand Liard	24.50	43.49	27.72	40.65	36.22	32.87	27.82	27.15	22.94	15.12	15.83	20.18
CRMS 3985	13.11	11.02	4.42	6.29	5.12	4.42	3.48	3.58	13.17	11.52	11.02	18.43
CRMS 0258	10.53	15.03	15.29	21.98	28.07	26.95	27.37	27.64	14.07	9.16	2.62	8.30
CRMS 0224	4.23	8.25	9.84	16.34	16.17	15.40	10.46	11.49	14.11	11.23	5.46	3.54
CRMS 0163	71.03	86.97	54.90	65.85	77.81	64.25	75.56	79.49	74.76	75.69	56.58	87.63
CRMS 0162	105.48	129.05	92.09	96.69	113.62	94.23	114.60	109.23	97.57	107.56	69.67	136.11

V3PR5 HYST - cy 1 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.28	184.32	148.36	150.01	177.29	141.24	152.13	125.29	96.23	106.78	86.44	139.78
CRMS0276 - Just east of Wilkinson Canal	30.94	48.18	28.77	54.07	54.49	43.46	33.33	33.33	43.04	30.43	21.97	30.22
Barataria Waterway at Lafitte (USACE82875)	61.56	82.93	51.32	72.28	87.21	70.85	72.83	74.45	68.19	69.47	54.61	79.43
USGS2928590900040000 Barataria Waterway South of Lafitte	115.69	140.04	106.91	109.78	133.45	105.51	117.07	75.47	33.61	40.21	16.62	29.57
USGS7380251 Barataria Bay North of Grand Isle	46.41	70.96	48.91	60.96	75.95	55.66	56.52	41.68	14.92	12.54	10.96	12.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	62.50	90.47	62.18	71.28	82.16	66.71	74.85	50.35	16.82	15.58	11.55	13.03
USGS 07380335 - Little Lake Near Cutoff	44.93	71.72	47.86	60.13	65.43	53.58	58.71	39.96	15.88	13.46	10.54	10.00
USGS073802516 Barataria Pass at Grand Isle	26.87	42.41	26.20	39.63	35.90	29.52	32.00	28.71	14.17	12.82	8.87	8.07
HWQ14 - Lake Washington	14.16	24.03	14.82	27.51	23.75	20.27	16.32	12.84	7.06	6.68	5.60	5.58
HWQ16 - Bayou Grand Liard	26.06	45.30	27.88	44.78	40.45	35.50	30.21	27.82	24.36	15.80	14.63	18.79
CRMS 3985	15.64	26.45	16.61	27.90	32.67	25.62	22.60	15.60	6.12	5.31	7.92	18.01
CRMS 0258	31.77	39.39	25.12	39.01	49.91	46.49	55.17	41.75	15.30	10.53	3.21	9.82
CRMS 0224	38.26	49.51	28.92	44.93	50.91	46.71	54.81	38.11	18.62	15.72	7.23	7.32
CRMS 0163	70.47	86.62	54.51	64.86	77.70	64.14	75.36	79.32	75.87	76.09	57.01	88.23
CRMS 0162	103.15	125.97	88.33	93.85	109.75	91.72	112.24	108.18	99.28	107.79	69.00	134.71

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	152.90	180.36	142.79	141.74	167.59	133.30	143.90	116.36	89.21	100.54	83.15	133.92
CRMS0276 - Just east of Wilkinson Canal	4.01	-6.80	-3.90	-2.85	-7.36	-5.89	1.46	0.36	0.24	0.71	-1.94	-1.14
Barataria Waterway at Lafitte (USACE82875)	-0.40	0.09	-0.64	0.16	-0.74	-0.77	-1.45	-0.96	1.61	1.47	1.58	1.74
USGS2928590900040000 Barataria Waterway South of Lafitte	113.68	136.96	102.20	101.49	123.75	97.85	111.94	70.18	27.39	34.88	13.85	26.10
USGS7380251 Barataria Bay North of Grand Isle	38.73	64.38	43.30	52.65	68.00	48.65	49.15	34.04	4.73	3.18	4.58	3.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	56.22	82.42	52.39	58.38	71.40	58.53	67.37	40.72	8.75	7.71	4.84	7.70
USGS 07380335 - Little Lake Near Cutoff	34.89	56.54	32.97	39.50	48.70	42.03	48.56	27.23	5.26	3.34	1.45	2.23
USGS073802516 Barataria Pass at Grand Isle	19.55	31.28	13.96	22.37	19.58	15.40	19.62	13.82	5.37	2.71	1.32	1.20
HWQ14 - Lake Washington	8.70	19.64	8.58	20.23	17.39	15.05	12.28	8.50	1.92	0.58	0.64	0.72
HWQ16 - Bayou Grand Liard	1.56	1.81	0.16	4.13	4.24	2.63	2.39	0.67	1.42	0.68	-1.19	-1.39
CRMS 3985	2.53	15.43	12.19	21.61	27.55	21.21	19.12	12.02	-7.05	-6.21	-3.10	-0.42
CRMS 0258	21.24	24.36	9.83	17.04	21.84	19.55	27.79	14.11	1.23	1.37	0.59	1.52
CRMS 0224	34.03	41.26	19.09	28.59	34.75	31.31	44.35	26.62	4.51	4.49	1.77	3.79
CRMS 0163	-0.57	-0.35	-0.39	-0.99	-0.11	-0.11	-0.20	-0.17	1.10	0.40	0.43	0.61
CRMS 0162	-2.33	-3.08	-3.76	-2.84	-3.87	-2.51	-2.37	-1.05	1.71	0.23	-0.67	-1.40

Figure WQ TSS 59 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.94	2.14	9.02	10.62	11.93	7.94	7.33	7.69	5.89	5.94	3.16	8.65
CRMS0276 - Just east of Wilkinson Canal	43.21	36.22	77.62	83.00	97.36	36.17	21.09	20.38	29.60	20.28	24.02	87.08
Barataria Waterway at Lafitte (USACE82875)	82.64	69.02	148.64	105.21	128.87	50.90	55.10	59.91	56.44	56.07	54.85	153.97
USGS2928590900040000 Barataria Waterway South of Lafitte	2.57	1.44	5.18	11.30	12.80	7.98	4.83	4.44	4.64	4.64	2.44	5.03
USGS7380251 Barataria Bay North of Grand Isle	11.45	7.49	13.67	12.18	9.62	7.01	6.94	7.09	8.71	10.41	6.34	13.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.22	7.22	14.28	20.36	15.71	9.29	6.83	8.53	7.10	7.03	6.12	9.67
USGS 07380335 - Little Lake Near Cutoff	19.00	11.02	21.42	31.93	26.94	12.66	8.03	9.80	8.26	7.75	8.49	18.60
USGS073802516 Barataria Pass at Grand Isle	12.91	8.45	17.35	27.26	26.12	15.25	10.32	12.41	7.62	8.73	7.19	14.30
HWQ14 - Lake Washington	7.97	5.72	10.87	11.83	8.15	5.99	4.13	4.26	4.74	6.56	5.25	6.63
HWQ16 - Bayou Grand Liard	40.34	22.33	61.62	63.85	73.00	29.25	16.78	17.35	15.99	10.78	15.45	59.54
CRMS 3985	22.33	13.62	25.01	10.79	6.63	4.52	3.15	3.43	10.85	13.67	8.86	25.72
CRMS 0258	5.74	2.26	36.14	30.66	36.78	20.64	21.29	21.23	6.86	6.01	3.61	31.32
CRMS 0224	7.50	5.60	11.99	23.85	25.37	15.69	8.70	9.74	10.50	9.10	4.27	8.10
CRMS 0163	87.69	82.44	150.43	102.68	120.97	36.06	57.27	62.60	63.69	55.58	67.87	169.62
CRMS 0162	130.32	113.35	247.70	145.73	179.80	66.37	80.79	81.99	79.14	73.20	86.69	252.43

V3PR5 HYST - cy 1 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	135.60	124.02	343.28	220.38	250.24	106.24	111.06	82.99	81.11	77.88	120.66	335.95
CRMS0276 - Just east of Wilkinson Canal	45.48	35.97	65.36	78.56	90.98	33.42	25.88	25.89	34.56	21.82	22.89	69.39
Barataria Waterway at Lafitte (USACE82875)	84.93	71.33	147.63	104.80	128.38	50.45	53.86	60.27	57.91	56.81	55.78	152.91
USGS2928590900040000 Barataria Waterway South of Lafitte	45.30	25.32	270.92	170.98	195.25	70.62	81.41	40.99	29.35	34.83	31.82	273.58
USGS7380251 Barataria Bay North of Grand Isle	24.11	11.38	135.52	95.88	112.14	37.99	43.07	19.86	12.89	11.20	16.20	135.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	35.84	12.55	176.90	108.96	130.07	42.56	52.29	20.53	14.02	13.58	11.67	178.12
USGS 07380335 - Little Lake Near Cutoff	39.31	12.88	141.46	89.47	108.67	36.23	40.96	17.59	12.40	11.06	9.45	136.47
USGS073802516 Barataria Pass at Grand Isle	29.13	9.55	66.86	55.13	58.20	24.85	24.63	18.96	11.61	11.27	8.18	71.38
HWQ14 - Lake Washington	16.65	5.68	33.09	39.58	39.66	18.43	13.25	8.28	5.71	6.03	5.44	31.38
HWQ16 - Bayou Grand Liard	44.67	22.04	70.70	65.60	73.14	28.73	20.36	18.46	17.86	11.44	14.58	66.05
CRMS 3985	18.36	13.74	54.23	43.00	53.32	21.26	16.87	6.42	4.66	5.64	9.24	47.46
CRMS 0258	16.58	3.12	80.89	53.41	74.32	35.22	42.64	25.76	9.32	9.86	4.64	78.98
CRMS 0224	27.94	7.50	82.90	63.15	80.22	35.68	42.25	19.71	14.97	13.97	6.24	86.64
CRMS 0163	89.36	82.74	150.07	101.78	120.32	36.05	57.01	63.24	65.51	56.40	67.31	168.57
CRMS 0162	130.37	111.30	241.80	140.75	175.34	63.85	79.28	82.01	80.31	73.18	84.52	248.24

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	131.67	121.88	334.25	209.75	238.31	98.30	103.73	75.30	75.22	71.94	117.51	327.30
CRMS0276 - Just east of Wilkinson Canal	2.27	-0.25	-12.25	-4.43	-6.38	-2.75	4.79	5.51	4.96	1.54	-1.13	-17.69
Barataria Waterway at Lafitte (USACE82875)	2.28	2.32	-1.01	-0.41	-0.49	-0.45	-1.24	0.36	1.47	0.74	0.93	-1.06
USGS2928590900040000 Barataria Waterway South of Lafitte	42.73	23.89	265.73	159.68	182.45	62.64	76.58	36.56	24.71	30.19	29.38	268.55
USGS7380251 Barataria Bay North of Grand Isle	12.65	3.88	121.85	83.70	102.51	30.98	36.13	12.78	4.18	0.79	9.85	121.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.62	5.34	162.62	88.60	114.36	33.26	45.46	12.00	6.92	6.55	5.54	168.45
USGS 07380335 - Little Lake Near Cutoff	20.31	1.85	120.04	57.54	81.72	23.57	32.93	7.79	4.14	3.32	0.96	117.87
USGS073802516 Barataria Pass at Grand Isle	16.22	1.10	49.51	27.87	32.08	9.59	14.31	6.55	4.00	2.54	0.99	57.08
HWQ14 - Lake Washington	8.68	-0.03	22.22	27.75	31.51	12.44	9.12	4.02	0.97	-0.53	0.19	24.75
HWQ16 - Bayou Grand Liard	4.34	-0.29	9.09	1.75	0.14	-0.52	3.58	1.11	1.87	0.67	-0.87	6.51
CRMS 3985	-3.97	0.12	29.22	32.21	46.70	16.74	13.73	2.99	-6.19	-8.03	0.39	21.73
CRMS 0258	10.84	0.86	44.74	22.75	37.54	14.58	21.34	4.54	2.46	3.85	1.03	47.66
CRMS 0224	20.44	1.90	70.91	39.29	54.85	20.00	33.55	9.97	4.47	4.87	1.96	78.54
CRMS 0163	1.67	0.30	-0.36	-0.90	-0.65	0.00	-0.26	0.64	1.82	0.82	-0.56	-1.05
CRMS 0162	0.05	-2.05	-5.90	-4.97	-4.47	-2.51	-1.51	0.02	1.17	-0.02	-2.17	-4.19

Figure WQ TSS 60 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.49	5.31	7.02	9.15	9.13	7.57	7.21	6.14	6.13	5.92	5.06	6.71
CRMS0276 - Just east of Wilkinson Canal	40.54	72.80	60.28	66.38	54.32	38.21	23.76	17.73	31.15	33.09	42.45	47.11
Barataria Waterway at Lafitte (USACE82875)	119.81	113.51	96.58	86.92	69.95	61.29	59.04	52.65	63.80	77.74	86.95	91.55
USGS2928590900040000 Barataria Waterway South of Lafitte	3.47	4.34	5.60	9.56	9.79	7.31	5.10	4.56	4.74	4.74	3.80	4.38
USGS7380251 Barataria Bay North of Grand Isle	11.40	6.31	8.01	8.47	7.42	6.62	6.70	7.22	10.62	10.28	8.93	10.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.21	11.40	13.64	16.38	11.51	7.56	7.03	7.67	7.35	7.98	9.76	7.69
USGS 07380335 - Little Lake Near Cutoff	13.90	21.34	22.35	26.75	17.77	9.90	8.97	7.96	8.28	10.34	13.99	12.14
USGS073802516 Barataria Pass at Grand Isle	9.20	15.19	17.42	22.16	17.63	12.16	11.04	10.53	7.63	10.21	10.67	9.94
HWQ14 - Lake Washington	6.67	4.57	7.67	7.66	6.58	5.10	4.18	4.29	5.85	6.84	6.47	6.33
HWQ16 - Bayou Grand Liard	36.60	52.96	52.43	53.98	37.41	23.46	18.46	14.07	13.59	16.53	28.44	29.25
CRMS 3985	18.73	9.44	6.99	5.47	4.56	3.91	3.24	7.68	13.58	13.49	16.13	19.67
CRMS 0258	24.11	24.44	23.52	25.39	23.83	24.21	18.94	6.88	7.52	9.67	7.88	13.47
CRMS 0224	5.67	12.12	12.90	20.12	17.19	12.75	9.65	9.59	11.16	10.67	7.78	5.82
CRMS 0163	134.58	120.90	93.42	82.87	57.17	55.76	60.14	57.25	77.42	89.94	101.65	103.05
CRMS 0162	204.54	173.14	155.14	126.32	87.75	78.18	83.68	75.21	96.16	130.94	132.06	156.31

V3PR6 HYST - cy 1 - 1975 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	283.34	252.13	227.49	193.70	151.67	121.61	90.49	81.90	101.99	129.98	140.35	150.73
CRMS0276 - Just east of Wilkinson Canal	68.55	72.10	59.39	65.59	51.06	38.24	27.98	18.81	31.24	32.05	41.08	44.21
Barataria Waterway at Lafitte (USACE82875)	114.84	109.64	92.64	85.89	69.40	59.58	58.56	54.50	65.55	80.12	90.63	94.34
USGS2928590900040000 Barataria Waterway South of Lafitte	246.06	224.26	202.67	171.06	131.41	101.93	60.79	39.14	36.05	45.76	28.70	34.89
USGS7380251 Barataria Bay North of Grand Isle	124.58	132.06	125.00	105.83	77.63	57.04	33.22	15.15	12.24	12.66	15.26	13.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	162.76	164.04	149.12	120.67	88.70	67.86	38.41	15.02	14.17	16.15	16.20	15.27
USGS 07380335 - Little Lake Near Cutoff	130.38	139.64	128.81	105.28	74.96	56.05	34.51	11.68	11.24	12.97	16.06	13.94
USGS073802516 Barataria Pass at Grand Isle	67.41	76.94	66.67	60.73	43.83	32.03	25.23	13.53	9.54	12.14	12.30	10.63
HWQ14 - Lake Washington	31.37	46.21	42.18	47.02	34.60	23.23	14.38	6.37	5.41	6.51	7.21	6.95
HWQ16 - Bayou Grand Liard	53.55	78.71	75.55	70.72	49.08	32.59	22.05	12.85	13.67	15.98	26.96	26.82
CRMS 3985	53.71	64.25	68.44	59.68	46.15	30.90	15.20	4.55	5.85	8.46	11.95	18.37
CRMS 0258	98.98	91.84	85.67	72.02	51.37	51.37	33.01	10.02	8.56	11.54	8.78	14.85
CRMS 0224	106.38	108.97	95.08	85.22	59.95	52.20	33.87	14.71	13.71	15.01	10.48	9.17
CRMS 0163	129.97	118.09	91.40	81.84	56.21	55.33	59.87	57.98	78.52	90.53	103.30	103.68
CRMS 0162	192.27	162.32	142.96	117.16	79.45	73.73	81.21	74.92	96.16	127.49	126.22	150.27

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	274.85	246.81	220.47	184.55	142.53	114.04	83.27	75.76	95.86	124.06	135.28	144.03
CRMS0276 - Just east of Wilkinson Canal	28.01	-0.70	-0.89	-0.79	-3.26	0.04	4.22	1.08	0.09	-1.04	-1.37	-2.90
Barataria Waterway at Lafitte (USACE82875)	-4.97	-3.87	-3.93	-1.04	-0.56	-1.71	-0.48	1.84	1.75	2.38	3.68	2.79
USGS2928590900040000 Barataria Waterway South of Lafitte	242.59	219.92	197.07	161.51	121.63	94.62	55.70	34.58	31.32	41.02	24.90	30.50
USGS7380251 Barataria Bay North of Grand Isle	113.19	125.75	116.99	97.36	70.22	50.42	26.53	7.94	1.62	2.38	6.33	3.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	154.55	152.65	135.48	104.29	77.19	60.30	31.38	7.35	6.82	8.18	6.44	7.58
USGS 07380335 - Little Lake Near Cutoff	116.48	118.30	106.47	78.52	57.19	46.15	25.55	3.72	2.96	2.63	2.08	1.80
USGS073802516 Barataria Pass at Grand Isle	58.22	61.74	49.25	38.57	26.21	19.87	14.19	3.00	1.91	1.93	1.63	0.70
HWQ14 - Lake Washington	24.70	41.64	34.51	39.36	28.02	18.14	10.21	2.08	-0.45	-0.32	0.74	0.62
HWQ16 - Bayou Grand Liard	16.95	25.74	23.12	16.75	11.67	9.14	3.59	-1.22	0.08	-0.54	-1.48	-2.42
CRMS 3985	34.98	54.81	61.44	54.21	41.60	26.99	11.96	-3.14	-7.73	-5.03	-4.18	-1.30
CRMS 0258	74.87	67.40	62.15	46.62	27.54	27.16	14.07	3.14	1.03	1.87	0.90	1.38
CRMS 0224	100.71	96.84	82.18	65.09	42.76	39.45	24.23	5.12	2.55	4.34	2.70	3.34
CRMS 0163	-4.61	-2.81	-2.02	-1.03	-0.96	-0.43	-0.27	0.73	1.10	0.59	1.65	0.63
CRMS 0162	-12.27	-10.82	-12.18	-9.16	-8.30	-4.45	-2.47	-0.29	0.00	-3.44	-5.83	-6.04

Figure WQ TSS 61 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.68	4.67	6.59	8.44	9.30	7.19	6.54	6.68	6.06	5.46	2.90	7.29
CRMS0276 - Just east of Wilkinson Canal	41.68	62.68	51.92	51.72	52.89	30.35	19.14	19.44	24.65	17.69	33.15	62.56
Barataria Waterway at Lafitte (USACE82875)	79.82	100.65	81.65	69.08	70.28	50.44	58.61	58.26	56.92	53.07	81.01	121.61
USGS2928590900040000 Barataria Waterway South of Lafitte	2.78	3.64	5.45	8.66	10.03	6.95	4.86	4.83	4.81	4.52	2.36	3.94
USGS7380251 Barataria Bay North of Grand Isle	9.22	6.93	7.93	8.34	7.65	6.66	6.19	11.11	9.61	8.48	5.10	10.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.27	8.91	13.34	13.59	11.62	7.38	6.64	7.57	7.24	6.54	6.22	7.54
USGS 07380335 - Little Lake Near Cutoff	15.78	16.82	21.29	20.92	18.27	9.04	7.67	7.70	7.61	7.13	9.46	13.79
USGS073802516 Barataria Pass at Grand Isle	10.73	12.10	16.87	18.13	18.29	11.23	9.61	10.03	7.64	8.14	7.37	10.58
HWQ14 - Lake Washington	6.85	4.27	8.07	7.70	6.67	5.18	4.01	4.73	5.52	5.85	4.14	5.26
HWQ16 - Bayou Grand Liard	35.19	46.63	49.31	39.27	40.46	17.50	12.85	15.12	12.26	9.94	19.59	39.02
CRMS 3985	14.78	12.08	7.53	6.15	5.06	4.02	3.95	16.08	11.37	9.54	6.07	19.17
CRMS 0258	14.99	20.45	19.12	22.24	24.20	18.74	13.39	7.29	7.44	7.18	2.29	26.05
CRMS 0224	6.55	9.55	12.60	16.54	18.20	12.01	9.09	9.46	10.53	8.86	4.72	6.31
CRMS 0163	82.97	107.11	79.25	68.59	54.43	47.82	63.25	58.83	64.97	58.63	95.72	135.95
CRMS 0162	126.79	156.79	134.61	106.05	88.22	62.23	91.85	79.79	76.18	74.28	120.92	203.00

V3PR6 HYST - cy 1 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	156.51	232.73	199.32	175.34	146.31	73.04	91.83	83.14	83.81	89.06	135.55	253.30
CRMS0276 - Just east of Wilkinson Canal	41.62	61.97	51.99	50.88	52.69	29.28	18.41	19.94	24.62	17.45	31.78	55.36
Barataria Waterway at Lafitte (USACE82875)	78.71	98.26	79.82	69.11	70.10	51.08	60.20	61.14	58.19	54.47	83.43	121.08
USGS2928590900040000 Barataria Waterway South of Lafitte	113.72	207.37	176.58	153.44	126.06	40.89	46.85	41.51	35.64	36.56	26.20	167.08
USGS7380251 Barataria Bay North of Grand Isle	59.45	124.38	108.24	91.73	73.70	22.80	14.14	14.21	11.16	10.45	13.78	85.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	84.87	150.89	127.47	104.84	84.51	25.25	15.28	14.84	13.52	12.86	13.15	109.55
USGS 07380335 - Little Lake Near Cutoff	70.80	127.74	110.21	88.90	72.86	23.45	11.89	11.15	9.98	9.22	11.50	86.89
USGS073802516 Barataria Pass at Grand Isle	45.79	68.47	58.07	50.18	44.95	21.06	12.03	12.85	8.78	9.79	9.31	39.11
HWQ14 - Lake Washington	21.43	41.50	39.54	38.71	35.99	15.34	6.35	4.95	4.93	5.54	6.20	20.28
HWQ16 - Bayou Grand Liard	42.61	70.73	66.87	56.03	50.17	21.27	12.97	15.74	12.00	9.49	18.33	45.42
CRMS 3985	27.69	61.93	61.29	50.39	44.74	12.72	4.25	3.83	6.45	5.92	12.37	39.56
CRMS 0258	45.80	84.20	74.47	59.15	51.06	23.78	15.98	10.05	7.98	8.67	3.08	65.12
CRMS 0224	52.24	102.19	85.05	70.64	58.48	23.53	14.45	14.57	13.08	12.29	7.81	64.52
CRMS 0163	81.68	106.04	77.92	67.25	53.87	47.88	63.87	60.11	65.74	58.50	94.72	133.84
CRMS 0162	119.46	147.06	125.13	96.71	80.53	60.49	89.95	80.12	74.78	72.89	112.57	194.13

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	150.83	228.06	192.73	166.91	137.01	65.85	85.28	76.46	77.75	83.59	132.66	246.01
CRMS0276 - Just east of Wilkinson Canal	-0.06	-0.72	0.07	-0.84	-0.20	-1.08	-0.74	0.50	-0.03	-0.24	-1.37	-7.20
Barataria Waterway at Lafitte (USACE82875)	-1.11	-2.39	-1.84	0.03	-0.18	0.63	1.58	2.88	1.27	1.40	2.43	-0.53
USGS2928590900040000 Barataria Waterway South of Lafitte	110.95	203.73	171.13	144.78	116.03	33.94	41.99	36.69	30.83	32.04	23.84	163.14
USGS7380251 Barataria Bay North of Grand Isle	50.23	117.45	100.31	83.39	66.05	16.14	7.94	3.10	1.55	1.98	8.68	75.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	75.61	141.99	114.14	91.25	72.90	17.88	8.65	7.27	6.27	6.32	6.93	102.01
USGS 07380335 - Little Lake Near Cutoff	55.02	110.92	88.91	67.99	54.59	14.41	4.22	3.45	2.38	2.09	2.05	73.10
USGS073802516 Barataria Pass at Grand Isle	35.05	56.37	41.21	32.06	26.66	9.82	2.42	2.82	1.14	1.65	1.94	28.54
HWQ14 - Lake Washington	14.58	37.24	31.47	31.01	29.33	10.16	2.34	0.22	-0.59	-0.31	2.06	15.02
HWQ16 - Bayou Grand Liard	7.41	24.10	17.56	16.76	9.71	3.78	0.12	0.62	-0.26	-0.45	-1.26	6.40
CRMS 3985	12.92	49.85	53.76	44.24	39.69	8.69	0.30	-12.25	-4.92	-3.62	6.30	20.39
CRMS 0258	30.81	63.75	55.35	36.91	26.85	5.03	2.58	2.76	0.54	1.49	0.79	39.08
CRMS 0224	45.69	92.63	72.45	54.10	40.28	11.52	5.36	5.11	2.55	3.42	3.09	58.21
CRMS 0163	-1.29	-1.08	-1.34	-1.34	-0.56	0.06	0.62	1.28	0.77	-0.13	-1.01	-2.11
CRMS 0162	-7.33	-9.73	-9.48	-9.34	-7.70	-1.74	-1.90	0.33	-1.40	-1.39	-8.36	-8.88

Figure WQ TSS 62 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.92	5.96	5.87	8.38	10.55	6.12	6.20	6.20	5.57	5.62	7.05	7.34
CRMS0276 - Just east of Wilkinson Canal	22.85	89.57	54.92	84.95	75.45	44.16	14.00	9.74	12.96	26.23	52.15	56.80
Barataria Waterway at Lafitte (USACE82875)	70.24	141.73	98.19	105.79	111.19	78.01	46.80	43.33	33.84	85.00	113.77	100.16
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	4.66	4.75	9.23	10.27	6.43	5.18	5.61	4.91	4.24	4.22	5.22
USGS7380251 Barataria Bay North of Grand Isle	8.07	10.21	10.33	12.60	8.96	6.95	13.22	10.22	8.98	13.06	8.92	10.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.43	10.19	11.48	16.05	11.55	7.63	7.45	7.34	6.09	6.63	9.96	9.19
USGS 07380335 - Little Lake Near Cutoff	9.49	20.69	16.63	25.54	18.70	10.57	7.06	6.37	4.88	7.21	14.97	16.01
USGS073802516 Barataria Pass at Grand Isle	7.00	14.53	14.04	20.89	17.96	12.63	8.62	8.71	6.30	7.75	11.25	12.45
HWQ14 - Lake Washington	5.93	5.26	9.78	11.54	6.80	5.29	8.10	6.33	5.63	7.86	6.52	6.07
HWQ16 - Bayou Grand Liard	19.04	60.05	35.17	56.40	42.99	27.84	12.21	12.63	6.89	11.20	34.48	39.24
CRMS 3985	14.84	18.57	15.96	14.29	5.78	7.80	19.35	11.48	8.46	19.39	9.76	18.51
CRMS 0258	4.99	26.79	16.61	28.50	34.46	9.36	5.86	5.65	5.76	5.71	20.47	19.79
CRMS 0224	4.08	10.82	9.96	20.23	17.89	12.46	7.81	8.27	7.98	7.75	8.14	8.81
CRMS 0163	91.14	151.57	111.68	91.36	97.15	74.59	50.28	44.85	37.27	105.21	135.15	111.34
CRMS 0162	129.21	197.76	163.05	125.56	141.57	102.91	77.08	57.64	30.10	148.24	180.54	163.92

V3PR6 HYST - cy 1 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.88	255.74	228.22	145.47	199.66	113.32	84.61	55.95	47.20	149.48	180.90	157.72
CRMS0276 - Just east of Wilkinson Canal	21.76	82.33	50.04	83.26	69.03	42.83	15.28	10.16	13.61	25.35	51.05	55.69
Barataria Waterway at Lafitte (USACE82875)	74.37	141.38	101.21	108.53	110.38	79.81	49.96	45.34	34.95	87.71	118.16	105.90
USGS2928590900040000 Barataria Waterway South of Lafitte	61.36	192.50	144.73	61.84	150.81	33.57	38.72	31.56	21.98	47.72	35.95	36.31
USGS7380251 Barataria Bay North of Grand Isle	17.30	111.28	85.62	50.92	86.80	17.15	11.78	11.54	8.69	12.95	16.96	10.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.77	142.33	101.47	58.87	107.83	20.96	13.59	11.79	9.02	15.14	18.91	16.70
USGS 07380335 - Little Lake Near Cutoff	11.58	119.78	80.41	62.06	88.72	18.95	10.93	7.88	5.94	10.20	18.27	17.45
USGS073802516 Barataria Pass at Grand Isle	7.68	68.97	45.51	50.32	44.67	18.31	10.75	9.41	6.40	9.69	13.99	12.65
HWQ14 - Lake Washington	3.06	36.51	25.63	35.58	26.61	10.80	5.47	4.47	4.13	6.26	7.12	4.78
HWQ16 - Bayou Grand Liard	18.04	74.25	46.32	70.08	50.43	29.76	13.03	12.41	7.09	10.48	33.40	36.58
CRMS 3985	7.71	43.75	32.96	34.74	35.06	8.76	3.96	3.45	4.43	9.97	5.53	3.32
CRMS 0258	8.37	67.51	40.75	42.11	59.89	10.93	8.05	7.80	6.10	7.36	21.88	21.11
CRMS 0224	9.88	85.63	52.74	43.80	63.33	17.86	12.98	12.47	10.07	12.88	12.35	11.51
CRMS 0163	92.50	149.92	110.95	92.21	95.59	74.20	51.87	45.69	38.16	105.56	137.10	113.75
CRMS 0162	123.65	186.42	149.17	118.11	130.99	99.29	77.84	57.84	29.99	145.88	172.42	161.30

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	156.95	249.78	222.34	137.09	189.11	107.20	78.41	49.75	41.64	143.86	173.84	150.39
CRMS0276 - Just east of Wilkinson Canal	-1.09	-7.23	-4.88	-1.70	-6.42	-1.33	1.28	0.42	0.65	-0.87	-1.10	-1.11
Barataria Waterway at Lafitte (USACE82875)	4.14	-0.35	3.02	2.74	-0.82	1.80	3.15	2.00	1.11	2.72	4.39	5.74
USGS2928590900040000 Barataria Waterway South of Lafitte	59.62	187.84	139.98	52.61	140.54	27.14	33.54	25.95	17.07	43.49	31.74	31.09
USGS7380251 Barataria Bay North of Grand Isle	9.23	101.07	75.29	38.32	77.84	10.21	-1.44	1.31	-0.29	-0.11	8.04	-0.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.33	132.14	89.99	42.82	96.29	13.34	6.14	4.45	2.93	8.51	8.95	7.50
USGS 07380335 - Little Lake Near Cutoff	2.09	99.09	63.79	36.53	70.02	8.38	3.86	1.51	1.06	2.98	3.31	1.44
USGS073802516 Barataria Pass at Grand Isle	0.69	54.44	31.47	29.43	26.71	5.68	2.13	0.70	0.10	1.95	2.74	0.20
HWQ14 - Lake Washington	-2.88	31.25	15.85	24.03	19.81	5.52	-2.63	-1.86	-1.50	-1.61	0.60	-1.29
HWQ16 - Bayou Grand Liard	-1.00	14.21	11.16	13.67	7.45	1.92	0.82	-0.22	0.20	-0.72	-1.08	-2.66
CRMS 3985	-7.13	25.18	17.00	20.45	29.28	0.96	-15.40	-8.03	-4.04	-9.41	-4.23	-15.19
CRMS 0258	3.38	40.72	24.14	13.61	25.43	1.57	2.19	2.15	0.34	1.65	1.41	1.32
CRMS 0224	5.80	74.81	42.78	23.56	45.44	5.40	5.17	4.20	2.10	5.13	4.20	2.70
CRMS 0163	1.36	-1.65	-0.73	0.85	-1.56	-0.39	1.59	0.84	0.89	0.35	1.95	2.41
CRMS 0162	-5.56	-11.34	-13.87	-7.45	-10.58	-3.62	0.76	0.20	-0.11	-2.37	-8.12	-2.63

Figure WQ TSS 63 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.39	3.97	5.58	8.27	9.70	7.94	8.24	8.93	7.02	6.23	3.29	5.86
CRMS0276 - Just east of Wilkinson Canal	26.93	54.98	32.67	56.92	61.85	49.35	31.87	32.97	42.80	29.72	23.90	31.36
Barataria Waterway at Lafitte (USACE82875)	61.96	82.84	51.96	72.12	87.95	71.61	74.27	75.41	66.59	67.99	53.04	77.69
USGS2928590900040000 Barataria Waterway South of Lafitte	2.01	3.08	4.72	8.29	9.70	7.66	5.13	5.29	6.21	5.33	2.78	3.46
USGS7380251 Barataria Bay North of Grand Isle	7.68	6.58	5.62	8.31	7.95	7.01	7.37	7.65	10.19	9.36	6.39	8.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.28	8.06	9.80	12.90	10.77	8.18	7.48	9.64	8.07	7.87	6.71	5.33
USGS 07380335 - Little Lake Near Cutoff	10.04	15.19	14.88	20.63	16.73	11.55	10.15	12.73	10.62	10.13	9.08	7.77
USGS073802516 Barataria Pass at Grand Isle	7.32	11.14	12.25	17.25	16.32	14.12	12.38	14.89	8.80	10.11	7.55	6.86
HWQ14 - Lake Washington	5.46	4.39	6.24	7.28	6.36	5.22	4.04	4.34	5.14	6.10	4.97	4.86
HWQ16 - Bayou Grand Liard	24.50	43.49	27.72	40.65	36.22	32.87	27.82	27.15	22.94	15.12	15.83	20.18
CRMS 3985	13.11	11.02	4.42	6.29	5.12	4.42	3.48	3.58	13.17	11.52	11.02	18.43
CRMS 0258	10.53	15.03	15.29	21.98	28.07	26.95	27.37	27.64	14.07	9.16	2.62	8.30
CRMS 0224	4.23	8.25	9.84	16.34	16.17	15.40	10.46	11.49	14.11	11.23	5.46	3.54
CRMS 0163	71.03	86.97	54.90	65.85	77.81	64.25	75.56	79.49	74.76	75.69	56.58	87.63
CRMS 0162	105.48	129.05	92.09	96.69	113.62	94.23	114.60	109.23	97.57	107.56	69.67	136.11

V3PR6 HYST - cy 1 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.00	191.75	154.70	156.44	183.58	146.71	157.56	128.26	98.10	106.96	85.96	137.31
CRMS0276 - Just east of Wilkinson Canal	36.39	49.88	30.44	55.55	57.91	46.82	47.52	40.45	42.53	29.80	22.44	29.43
Barataria Waterway at Lafitte (USACE82875)	60.21	81.37	50.05	72.45	86.29	70.22	71.90	73.80	68.63	70.01	55.31	80.69
USGS2928590900040000 Barataria Waterway South of Lafitte	140.34	169.45	131.44	134.17	160.40	126.50	136.39	83.69	36.97	40.77	19.12	31.50
USGS7380251 Barataria Bay North of Grand Isle	70.29	103.95	71.50	82.14	99.49	72.89	75.73	49.52	14.63	12.07	10.08	11.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	91.08	122.62	87.73	94.12	111.49	87.12	96.95	61.32	17.45	15.78	11.08	12.49
USGS 07380335 - Little Lake Near Cutoff	72.01	104.99	71.70	81.98	92.97	73.15	80.81	52.63	16.25	13.58	10.48	9.75
USGS073802516 Barataria Pass at Grand Isle	40.51	59.30	35.97	48.81	48.19	40.40	41.90	35.05	14.74	12.87	8.66	7.77
HWQ14 - Lake Washington	20.45	39.29	21.71	37.58	35.61	30.29	24.64	17.89	7.72	6.73	5.39	5.43
HWQ16 - Bayou Grand Liard	34.63	61.94	36.36	56.78	54.22	43.43	39.13	31.10	23.91	15.32	14.75	18.37
CRMS 3985	28.88	55.44	32.81	45.12	53.73	41.03	40.47	24.24	6.67	4.71	7.99	17.95
CRMS 0258	50.98	68.33	42.78	54.25	65.50	60.62	70.30	50.23	15.65	10.78	3.33	9.84
CRMS 0224	59.48	85.48	47.87	63.82	75.08	61.99	69.38	47.38	18.00	15.62	7.36	7.03
CRMS 0163	69.20	85.89	53.59	64.76	76.56	64.10	74.80	78.98	75.42	75.50	57.22	88.22
CRMS 0162	98.51	120.60	82.25	88.61	103.15	88.01	109.33	105.98	97.79	105.63	65.76	131.32

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.61	187.78	149.13	148.17	173.89	138.76	149.32	119.33	91.08	100.73	82.67	131.45
CRMS0276 - Just east of Wilkinson Canal	9.46	-5.10	-2.23	-1.37	-3.94	-2.53	15.66	7.48	-0.26	0.09	-1.47	-1.93
Barataria Waterway at Lafitte (USACE82875)	-1.75	-1.47	-1.91	0.33	-1.66	-1.40	-2.38	-1.62	2.04	2.02	2.27	3.00
USGS2928590900040000 Barataria Waterway South of Lafitte	138.33	166.37	126.73	125.88	150.70	118.84	131.26	78.39	30.76	35.44	16.35	28.04
USGS7380251 Barataria Bay North of Grand Isle	62.61	97.37	65.89	73.84	91.55	65.88	68.35	41.87	4.44	2.70	3.69	2.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	84.81	114.56	77.93	81.22	100.72	78.94	89.47	51.69	9.38	7.91	4.37	7.17
USGS 07380335 - Little Lake Near Cutoff	61.97	89.80	56.81	61.35	76.24	61.60	70.65	39.89	5.63	3.46	1.39	1.98
USGS073802516 Barataria Pass at Grand Isle	33.19	48.17	23.72	31.55	31.87	26.28	29.53	20.16	5.95	2.76	1.11	0.91
HWQ14 - Lake Washington	14.99	34.90	15.46	30.30	29.25	25.07	20.61	13.54	2.59	0.63	0.42	0.56
HWQ16 - Bayou Grand Liard	10.13	18.45	8.64	16.13	18.00	10.56	11.31	3.95	0.97	0.19	-1.08	-1.81
CRMS 3985	15.77	44.42	28.39	38.84	48.62	36.61	36.99	20.66	-6.50	-6.81	-3.03	-0.48
CRMS 0258	40.45	53.30	27.49	32.27	37.42	33.67	42.93	22.59	1.58	1.63	0.71	1.54
CRMS 0224	55.25	77.23	38.03	47.48	58.92	46.60	58.92	35.88	3.89	4.38	1.91	3.49
CRMS 0163	-1.83	-1.07	-1.31	-1.09	-1.26	-0.16	-0.76	-0.51	0.66	-0.19	0.64	0.59
CRMS 0162	-6.97	-8.45	-9.84	-8.07	-10.46	-6.22	-5.28	-3.26	0.22	-1.93	-3.91	-4.79

Figure WQ TSS 64 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.94	2.14	9.02	10.62	11.93	7.94	7.33	7.69	5.89	5.94	3.16	8.65
CRMS0276 - Just east of Wilkinson Canal	43.21	36.22	77.62	83.00	97.36	36.17	21.09	20.38	29.60	20.28	24.02	87.08
Barataria Waterway at Lafitte (USACE82875)	82.64	69.02	148.64	105.21	128.87	50.90	55.10	59.91	56.44	56.07	54.85	153.97
USGS2928590900040000 Barataria Waterway South of Lafitte	2.57	1.44	5.18	11.30	12.80	7.98	4.83	4.44	4.64	4.64	2.44	5.03
USGS7380251 Barataria Bay North of Grand Isle	11.45	7.49	13.67	12.18	9.62	7.01	6.94	7.09	8.71	10.41	6.34	13.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.22	7.22	14.28	20.36	15.71	9.29	6.83	8.53	7.10	7.03	6.12	9.67
USGS 07380335 - Little Lake Near Cutoff	19.00	11.02	21.42	31.93	26.94	12.66	8.03	9.80	8.26	7.75	8.49	18.60
USGS073802516 Barataria Pass at Grand Isle	12.91	8.45	17.35	27.26	26.12	15.25	10.32	12.41	7.62	8.73	7.19	14.30
HWQ14 - Lake Washington	7.97	5.72	10.87	11.83	8.15	5.99	4.13	4.26	4.74	6.56	5.25	6.63
HWQ16 - Bayou Grand Liard	40.34	22.33	61.62	63.85	73.00	29.25	16.78	17.35	15.99	10.78	15.45	59.54
CRMS 3985	22.33	13.62	25.01	10.79	6.63	4.52	3.15	3.43	10.85	13.67	8.86	25.72
CRMS 0258	5.74	2.26	36.14	30.66	36.78	20.64	21.29	21.23	6.86	6.01	3.61	31.32
CRMS 0224	7.50	5.60	11.99	23.85	25.37	15.69	8.70	9.74	10.50	9.10	4.27	8.10
CRMS 0163	87.69	82.44	150.43	102.68	120.97	36.06	57.27	62.60	63.69	55.58	67.87	169.62
CRMS 0162	130.32	113.35	247.70	145.73	179.80	66.37	80.79	81.99	79.14	73.20	86.69	252.43

V3PR6 HYST - cy 1 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	128.36	123.21	353.41	228.02	257.82	112.13	115.68	82.70	82.05	77.50	119.96	346.42
CRMS0276 - Just east of Wilkinson Canal	46.02	34.77	84.79	78.46	98.61	36.15	35.24	27.18	33.61	21.45	22.72	85.13
Barataria Waterway at Lafitte (USACE82875)	84.58	71.60	144.85	103.36	126.74	50.39	52.89	60.56	58.28	57.47	56.81	149.74
USGS2928590900040000 Barataria Waterway South of Lafitte	43.13	24.94	314.88	203.72	231.48	93.36	97.14	41.22	33.15	36.28	38.67	314.48
USGS7380251 Barataria Bay North of Grand Isle	31.65	12.73	191.34	130.09	150.87	47.46	54.71	20.80	12.86	10.99	17.28	196.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.36	12.96	231.27	146.87	170.20	56.90	67.13	23.18	14.60	13.80	13.57	237.14
USGS 07380335 - Little Lake Near Cutoff	48.51	13.04	198.50	126.82	149.53	47.44	55.47	20.62	12.52	11.02	9.38	199.77
USGS073802516 Barataria Pass at Grand Isle	37.91	9.98	94.11	70.90	79.97	32.74	32.28	21.70	11.72	11.11	7.94	101.37
HWQ14 - Lake Washington	24.66	7.67	55.11	55.95	61.76	26.56	20.08	10.88	6.20	6.11	5.30	51.93
HWQ16 - Bayou Grand Liard	46.97	21.72	102.16	83.79	96.40	32.81	26.93	18.68	17.20	11.16	14.25	94.06
CRMS 3985	30.38	17.24	103.74	72.07	90.11	30.16	29.70	8.27	5.07	6.28	9.20	94.47
CRMS 0258	22.50	3.35	132.20	85.65	104.43	37.08	52.56	26.34	9.62	10.00	5.00	130.26
CRMS 0224	34.87	7.88	139.71	100.64	122.23	39.61	52.07	21.19	15.07	13.96	6.87	148.83
CRMS 0163	88.37	81.88	147.41	100.13	119.50	36.43	56.57	63.31	65.12	56.09	67.37	166.32
CRMS 0162	125.98	106.92	231.15	132.99	167.63	61.03	77.20	80.91	79.65	72.40	80.99	239.83

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	124.42	121.07	344.38	217.40	245.89	104.19	108.35	75.01	76.16	71.55	116.80	337.77
CRMS0276 - Just east of Wilkinson Canal	2.80	-1.45	7.17	-4.54	1.25	-0.02	14.15	6.80	4.00	1.17	-1.31	-1.95
Barataria Waterway at Lafitte (USACE82875)	1.93	2.58	-3.79	-1.85	-2.13	-0.50	-2.21	0.66	1.83	1.40	1.96	-4.23
USGS2928590900040000 Barataria Waterway South of Lafitte	40.56	23.50	309.70	192.42	218.69	85.37	92.31	36.78	28.51	31.64	36.23	309.45
USGS7380251 Barataria Bay North of Grand Isle	20.19	5.24	177.67	117.91	141.25	40.45	47.77	13.71	4.15	0.58	10.93	182.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	32.14	5.75	216.99	126.51	154.49	47.60	60.30	14.65	7.50	6.77	7.44	227.47
USGS 07380335 - Little Lake Near Cutoff	29.51	2.01	177.08	94.89	122.59	34.77	47.43	10.82	4.26	3.27	0.89	181.17
USGS073802516 Barataria Pass at Grand Isle	25.00	1.53	76.76	43.64	53.85	17.49	21.96	9.29	4.10	2.38	0.75	87.07
HWQ14 - Lake Washington	16.69	1.95	44.24	44.12	53.61	20.57	15.95	6.62	1.47	-0.45	0.05	45.30
HWQ16 - Bayou Grand Liard	6.64	-0.62	40.54	19.94	23.40	3.56	10.15	1.34	1.21	0.38	-1.20	34.52
CRMS 3985	8.05	3.63	78.74	61.29	83.48	25.65	26.55	4.84	-5.77	-7.38	0.34	68.75
CRMS 0258	16.76	1.08	96.06	54.98	67.65	16.44	31.26	5.11	2.76	3.99	1.39	98.94
CRMS 0224	27.37	2.28	127.72	76.79	96.86	23.92	43.38	11.46	4.57	4.86	2.60	140.73
CRMS 0163	0.67	-0.56	-3.02	-2.55	-1.46	0.38	-0.70	0.71	1.43	0.51	-0.50	-3.30
CRMS 0162	-4.34	-6.43	-16.55	-12.74	-12.17	-5.33	-3.59	-1.08	0.51	-0.81	-5.71	-12.60

Figure WQ TSS 65 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.49	5.31	7.02	9.15	9.13	7.57	7.21	6.14	6.13	5.92	5.06	6.71
CRMS0276 - Just east of Wilkinson Canal	40.54	72.80	60.28	66.38	54.32	38.21	23.76	17.73	31.15	33.09	42.45	47.11
Barataria Waterway at Lafitte (USACE82875)	119.81	113.51	96.58	86.92	69.95	61.29	59.04	52.65	63.80	77.74	86.95	91.55
USGS2928590900040000 Barataria Waterway South of Lafitte	3.47	4.34	5.60	9.56	9.79	7.31	5.10	4.56	4.74	4.74	3.80	4.38
USGS7380251 Barataria Bay North of Grand Isle	11.40	6.31	8.01	8.47	7.42	6.62	6.70	7.22	10.62	10.28	8.93	10.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.21	11.40	13.64	16.38	11.51	7.56	7.03	7.67	7.35	7.98	9.76	7.69
USGS 07380335 - Little Lake Near Cutoff	13.90	21.34	22.35	26.75	17.77	9.90	8.97	7.96	8.28	10.34	13.99	12.14
USGS073802516 Barataria Pass at Grand Isle	9.20	15.19	17.42	22.16	17.63	12.16	11.04	10.53	7.63	10.21	10.67	9.94
HWQ14 - Lake Washington	6.67	4.57	7.67	7.66	6.58	5.10	4.18	4.29	5.85	6.84	6.47	6.33
HWQ16 - Bayou Grand Liard	36.60	52.96	52.43	53.98	37.41	23.46	18.46	14.07	13.59	16.53	28.44	29.25
CRMS 3985	18.73	9.44	6.99	5.47	4.56	3.91	3.24	7.68	13.58	13.49	16.13	19.67
CRMS 0258	24.11	24.44	23.52	25.39	23.83	24.21	18.94	6.88	7.52	9.67	7.88	13.47
CRMS 0224	5.67	12.12	12.90	20.12	17.19	12.75	9.65	9.59	11.16	10.67	7.78	5.82
CRMS 0163	134.58	120.90	93.42	82.87	57.17	55.76	60.14	57.25	77.42	89.94	101.65	103.05
CRMS 0162	204.54	173.14	155.14	126.32	87.75	78.18	83.68	75.21	96.16	130.94	132.06	156.31

V3PR7 HYST - cy 1 - 1975 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	283.76	252.19	227.48	193.69	151.66	121.66	90.53	81.99	102.26	130.75	143.00	154.27
CRMS0276 - Just east of Wilkinson Canal	68.57	72.29	59.61	65.36	51.18	38.17	27.94	18.65	31.42	32.09	41.21	45.59
Barataria Waterway at Lafitte (USACE82875)	115.47	109.82	92.94	85.96	69.34	59.59	58.65	54.44	65.61	80.15	91.11	96.76
USGS2928590900040000 Barataria Waterway South of Lafitte	236.79	215.71	194.80	163.39	124.85	96.96	59.79	38.23	33.55	42.75	27.50	32.51
USGS7380251 Barataria Bay North of Grand Isle	124.29	133.30	125.68	106.59	77.95	57.58	33.43	15.15	12.19	12.70	14.91	8.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	163.04	164.79	149.59	121.37	89.03	68.27	38.62	15.17	14.36	16.34	16.21	14.72
USGS 07380335 - Little Lake Near Cutoff	130.14	139.73	129.02	105.59	75.12	56.36	34.65	11.65	11.40	13.16	15.87	13.81
USGS073802516 Barataria Pass at Grand Isle	65.66	76.56	67.23	60.72	44.01	32.05	25.33	13.52	9.58	12.32	12.21	10.12
HWQ14 - Lake Washington	28.17	46.10	42.93	47.37	35.18	23.51	14.62	6.39	5.41	6.62	6.78	4.22
HWQ16 - Bayou Grand Liard	53.20	78.46	75.36	70.77	48.96	32.64	22.18	12.56	13.61	15.91	26.70	27.55
CRMS 3985	49.11	65.79	69.12	60.58	46.52	31.36	15.49	4.56	6.06	8.42	7.71	3.45
CRMS 0258	96.98	89.88	83.83	70.39	50.57	50.71	32.68	9.92	8.58	11.58	8.74	14.90
CRMS 0224	105.08	107.11	94.11	84.08	59.21	51.67	33.71	14.56	13.75	15.19	10.19	9.07
CRMS 0163	130.50	117.42	91.91	81.87	56.36	55.48	59.85	57.96	78.58	90.67	104.41	106.43
CRMS 0162	192.63	162.30	143.27	116.47	79.59	73.64	81.12	74.95	95.09	127.18	127.93	153.70

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	275.27	246.88	220.47	184.55	142.52	114.09	83.32	75.85	96.13	124.83	137.94	147.57
CRMS0276 - Just east of Wilkinson Canal	28.03	-0.51	-0.67	-1.02	-3.14	-0.04	4.18	0.92	0.27	-0.99	-1.24	-1.52
Barataria Waterway at Lafitte (USACE82875)	-4.34	-3.69	-3.63	-0.97	-0.61	-1.70	-0.38	1.79	1.81	2.41	4.16	5.21
USGS2928590900040000 Barataria Waterway South of Lafitte	233.32	211.37	189.20	153.83	115.06	89.65	54.69	33.67	28.81	38.02	23.70	28.12
USGS7380251 Barataria Bay North of Grand Isle	112.89	126.99	117.68	98.13	70.54	50.96	26.73	7.93	1.57	2.42	5.98	-1.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	154.83	153.39	135.94	104.99	77.52	60.71	31.59	7.49	7.01	8.37	6.45	7.03
USGS 07380335 - Little Lake Near Cutoff	116.24	118.39	106.67	78.83	57.36	46.46	25.68	3.69	3.12	2.82	1.89	1.67
USGS073802516 Barataria Pass at Grand Isle	56.46	61.37	49.80	38.56	26.39	19.89	14.29	2.98	1.95	2.12	1.55	0.18
HWQ14 - Lake Washington	21.50	41.53	35.26	39.72	28.60	18.41	10.44	2.09	-0.44	-0.22	0.31	-2.11
HWQ16 - Bayou Grand Liard	16.60	25.50	22.93	16.80	11.55	9.18	3.72	-1.50	0.02	-0.62	-1.74	-1.70
CRMS 3985	30.38	56.34	62.13	55.11	41.97	27.45	12.25	-3.12	-7.52	-5.07	-8.42	-16.21
CRMS 0258	72.87	65.44	60.31	45.00	26.75	26.49	13.74	3.04	1.05	1.91	0.86	1.43
CRMS 0224	99.41	94.99	81.20	63.96	42.02	38.91	24.07	4.98	2.59	4.52	2.42	3.25
CRMS 0163	-4.07	-3.48	-1.51	-1.00	-0.80	-0.28	-0.29	0.71	1.17	0.73	2.75	3.38
CRMS 0162	-11.90	-10.84	-11.87	-9.85	-8.16	-4.54	-2.56	-0.26	-1.07	-3.75	-4.13	-2.62

Figure WQ TSS 66 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.68	4.67	6.59	8.44	9.30	7.19	6.54	6.68	6.06	5.46	2.90	7.29
CRMS0276 - Just east of Wilkinson Canal	41.68	62.68	51.92	51.72	52.89	30.35	19.14	19.44	24.65	17.69	33.15	62.56
Barataria Waterway at Lafitte (USACE82875)	79.82	100.65	81.65	69.08	70.28	50.44	58.61	58.26	56.92	53.07	81.01	121.61
USGS2928590900040000 Barataria Waterway South of Lafitte	2.78	3.64	5.45	8.66	10.03	6.95	4.86	4.83	4.81	4.52	2.36	3.94
USGS7380251 Barataria Bay North of Grand Isle	9.22	6.93	7.93	8.34	7.65	6.66	6.19	11.11	9.61	8.48	5.10	10.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.27	8.91	13.34	13.59	11.62	7.38	6.64	7.57	7.24	6.54	6.22	7.54
USGS 07380335 - Little Lake Near Cutoff	15.78	16.82	21.29	20.92	18.27	9.04	7.67	7.70	7.61	7.13	9.46	13.79
USGS073802516 Barataria Pass at Grand Isle	10.73	12.10	16.87	18.13	18.29	11.23	9.61	10.03	7.64	8.14	7.37	10.58
HWQ14 - Lake Washington	6.85	4.27	8.07	7.70	6.67	5.18	4.01	4.73	5.52	5.85	4.14	5.26
HWQ16 - Bayou Grand Liard	35.19	46.63	49.31	39.27	40.46	17.50	12.85	15.12	12.26	9.94	19.59	39.02
CRMS 3985	14.78	12.08	7.53	6.15	5.06	4.02	3.95	16.08	11.37	9.54	6.07	19.17
CRMS 0258	14.99	20.45	19.12	22.24	24.20	18.74	13.39	7.29	7.44	7.18	2.29	26.05
CRMS 0224	6.55	9.55	12.60	16.54	18.20	12.01	9.09	9.46	10.53	8.86	4.72	6.31
CRMS 0163	82.97	107.11	79.25	68.59	54.43	47.82	63.25	58.83	64.97	58.63	95.72	135.95
CRMS 0162	126.79	156.79	134.61	106.05	88.22	62.23	91.85	79.79	76.18	74.28	120.92	203.00

V3PR7 HYST - cy 1 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.00	232.73	199.32	175.33	146.31	73.11	91.87	83.23	84.08	89.55	135.94	253.14
CRMS0276 - Just east of Wilkinson Canal	41.34	62.02	52.10	50.84	52.94	29.39	18.47	19.81	24.35	17.64	31.75	55.80
Barataria Waterway at Lafitte (USACE82875)	78.62	98.19	79.92	69.15	70.06	51.12	60.23	60.89	58.25	54.52	83.29	120.96
USGS2928590900040000 Barataria Waterway South of Lafitte	110.01	199.25	168.92	146.28	119.34	39.34	46.63	40.70	33.43	34.05	25.10	159.81
USGS7380251 Barataria Bay North of Grand Isle	60.32	125.33	108.92	92.27	74.21	22.87	14.24	14.40	11.10	10.43	13.99	86.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.48	151.53	128.15	105.31	84.98	25.46	15.54	14.84	13.68	12.96	13.29	110.29
USGS 07380335 - Little Lake Near Cutoff	70.98	127.96	110.52	89.20	73.15	23.60	11.98	10.98	10.09	9.32	11.50	87.13
USGS073802516 Barataria Pass at Grand Isle	45.92	68.54	58.30	50.18	45.11	21.14	12.08	12.72	8.87	9.86	9.33	39.24
HWQ14 - Lake Washington	21.71	42.05	39.93	38.99	36.37	15.44	6.37	4.95	5.02	5.46	6.19	20.56
HWQ16 - Bayou Grand Liard	42.48	70.53	67.16	56.01	50.17	21.42	13.08	14.95	11.91	9.63	18.56	45.92
CRMS 3985	28.16	62.96	62.07	51.00	45.25	12.78	4.27	3.85	5.88	5.81	12.33	39.91
CRMS 0258	45.15	82.26	72.72	57.63	50.30	23.57	15.82	9.83	7.84	8.48	2.99	64.13
CRMS 0224	51.70	100.71	84.00	69.75	57.61	23.49	14.25	14.24	12.99	12.24	7.62	63.49
CRMS 0163	81.68	106.04	78.06	67.12	53.95	48.26	64.07	60.07	65.65	58.41	94.97	133.82
CRMS 0162	119.35	147.19	125.53	97.13	80.30	60.73	89.92	80.15	75.09	73.11	113.04	193.61

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	151.32	228.05	192.73	166.90	137.01	65.91	85.33	76.55	78.02	84.09	133.05	245.85
CRMS0276 - Just east of Wilkinson Canal	-0.34	-0.66	0.18	-0.88	0.05	-0.97	-0.68	0.37	-0.30	-0.06	-1.40	-6.77
Barataria Waterway at Lafitte (USACE82875)	-1.19	-2.46	-1.74	0.07	-0.21	0.68	1.61	2.63	1.33	1.45	2.29	-0.65
USGS2928590900040000 Barataria Waterway South of Lafitte	107.23	195.60	163.47	137.62	109.31	32.39	41.77	35.88	28.62	29.53	22.74	155.87
USGS7380251 Barataria Bay North of Grand Isle	51.10	118.40	100.99	83.92	66.56	16.21	8.04	3.29	1.49	1.95	8.89	75.75
USGS73802515 Hackberry Bay Northwest of Grand Isle	76.22	142.63	114.81	91.72	73.36	18.08	8.91	7.27	6.43	6.42	7.07	102.76
USGS 07380335 - Little Lake Near Cutoff	55.20	111.14	89.23	68.28	54.88	14.57	4.31	3.28	2.48	2.19	2.05	73.34
USGS073802516 Barataria Pass at Grand Isle	35.19	56.44	41.44	32.05	26.82	9.90	2.47	2.69	1.23	1.72	1.96	28.67
HWQ14 - Lake Washington	14.86	37.78	31.86	31.29	29.70	10.26	2.35	0.22	-0.50	-0.39	2.05	15.30
HWQ16 - Bayou Grand Liard	7.29	23.89	17.85	16.74	9.72	3.92	0.23	-0.17	-0.35	-0.31	-1.03	6.89
CRMS 3985	13.38	50.88	54.54	44.85	40.19	8.75	0.32	-12.23	-5.49	-3.73	6.26	20.73
CRMS 0258	30.16	61.81	53.60	35.39	26.10	4.83	2.42	2.54	0.40	1.31	0.70	38.08
CRMS 0224	45.15	91.16	71.40	53.20	39.41	11.48	5.16	4.78	2.46	3.37	2.90	57.18
CRMS 0163	-1.30	-1.07	-1.20	-1.47	-0.48	0.44	0.82	1.24	0.67	-0.21	-0.76	-2.14
CRMS 0162	-7.44	-9.60	-9.08	-8.92	-7.93	-1.50	-1.93	0.35	-1.09	-1.17	-7.88	-9.39

Figure WQ TSS 67 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.92	5.96	5.87	8.38	10.55	6.12	6.20	6.20	5.57	5.62	7.05	7.34
CRMS0276 - Just east of Wilkinson Canal	22.85	89.57	54.92	84.95	75.45	44.16	14.00	9.74	12.96	26.23	52.15	56.80
Barataria Waterway at Lafitte (USACE82875)	70.24	141.73	98.19	105.79	111.19	78.01	46.80	43.33	33.84	85.00	113.77	100.16
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	4.66	4.75	9.23	10.27	6.43	5.18	5.61	4.91	4.24	4.22	5.22
USGS7380251 Barataria Bay North of Grand Isle	8.07	10.21	10.33	12.60	8.96	6.95	13.22	10.22	8.98	13.06	8.92	10.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.43	10.19	11.48	16.05	11.55	7.63	7.45	7.34	6.09	6.63	9.96	9.19
USGS 07380335 - Little Lake Near Cutoff	9.49	20.69	16.63	25.54	18.70	10.57	7.06	6.37	4.88	7.21	14.97	16.01
USGS073802516 Barataria Pass at Grand Isle	7.00	14.53	14.04	20.89	17.96	12.63	8.62	8.71	6.30	7.75	11.25	12.45
HWQ14 - Lake Washington	5.93	5.26	9.78	11.54	6.80	5.29	8.10	6.33	5.63	7.86	6.52	6.07
HWQ16 - Bayou Grand Liard	19.04	60.05	35.17	56.40	42.99	27.84	12.21	12.63	6.89	11.20	34.48	39.24
CRMS 3985	14.84	18.57	15.96	14.29	5.78	7.80	19.35	11.48	8.46	19.39	9.76	18.51
CRMS 0258	4.99	26.79	16.61	28.50	34.46	9.36	5.86	5.65	5.76	5.71	20.47	19.79
CRMS 0224	4.08	10.82	9.96	20.23	17.89	12.46	7.81	8.27	7.98	7.75	8.14	8.81
CRMS 0163	91.14	151.57	111.68	91.36	97.15	74.59	50.28	44.85	37.27	105.21	135.15	111.34
CRMS 0162	129.21	197.76	163.05	125.56	141.57	102.91	77.08	57.64	30.10	148.24	180.54	163.92

V3PR7 HYST - cy 1 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	160.56	255.94	228.42	145.66	199.54	113.17	84.48	56.00	47.44	150.61	178.11	154.71
CRMS0276 - Just east of Wilkinson Canal	21.54	82.42	49.70	83.65	68.71	42.51	15.27	10.25	13.16	25.77	51.13	54.60
Barataria Waterway at Lafitte (USACE82875)	73.44	141.67	101.27	108.45	110.72	79.81	49.96	45.41	34.99	88.01	117.24	103.79
USGS2928590900040000 Barataria Waterway South of Lafitte	60.05	185.38	139.01	59.28	144.38	33.59	38.69	30.99	20.62	43.87	33.42	32.75
USGS7380251 Barataria Bay North of Grand Isle	21.60	112.32	86.21	51.48	87.71	17.16	11.87	11.71	8.66	12.99	19.23	15.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.16	143.24	101.76	59.41	108.81	21.18	13.84	11.99	9.06	15.41	19.69	18.21
USGS 07380335 - Little Lake Near Cutoff	12.85	119.87	80.81	62.36	88.75	19.04	11.06	8.12	5.91	10.60	18.83	18.41
USGS073802516 Barataria Pass at Grand Isle	9.79	69.52	44.44	50.08	45.29	18.29	10.78	9.55	6.42	9.87	14.51	14.05
HWQ14 - Lake Washington	7.25	37.33	25.46	35.96	26.76	10.80	5.51	4.54	4.15	6.31	8.63	8.61
HWQ16 - Bayou Grand Liard	18.04	74.63	46.84	71.46	50.83	29.29	12.64	12.40	6.76	11.14	34.08	36.77
CRMS 3985	14.88	44.71	33.56	35.05	35.19	8.70	3.92	3.43	4.38	9.95	16.40	20.82
CRMS 0258	8.29	66.26	39.60	41.98	59.20	10.92	7.93	7.66	6.10	7.27	21.70	21.01
CRMS 0224	10.21	84.26	51.21	43.74	62.88	17.82	12.90	12.36	10.06	12.88	12.32	11.63
CRMS 0163	91.64	150.14	110.74	91.70	96.18	74.09	52.22	45.43	38.32	105.43	134.94	111.94
CRMS 0162	122.45	186.55	148.44	118.81	131.32	99.59	77.79	57.63	30.34	145.31	168.29	158.19

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.64	249.98	222.54	137.28	188.99	107.05	78.28	49.80	41.87	145.00	171.06	147.37
CRMS0276 - Just east of Wilkinson Canal	-1.31	-7.15	-5.22	-1.30	-6.74	-1.65	1.27	0.51	0.19	-0.45	-1.02	-2.20
Barataria Waterway at Lafitte (USACE82875)	3.21	-0.06	3.07	2.66	-0.47	1.80	3.16	2.08	1.15	3.02	3.47	3.63
USGS2928590900040000 Barataria Waterway South of Lafitte	58.31	180.72	134.27	50.05	134.11	27.16	33.51	25.38	15.71	39.64	29.21	27.53
USGS7380251 Barataria Bay North of Grand Isle	13.53	102.11	75.88	38.88	78.75	10.21	-1.35	1.49	-0.32	-0.07	10.32	5.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.73	133.05	90.28	43.36	97.27	13.56	6.38	4.64	2.97	8.78	9.73	9.02
USGS 07380335 - Little Lake Near Cutoff	3.37	99.18	64.19	36.82	70.06	8.47	3.99	1.74	1.02	3.38	3.86	2.40
USGS073802516 Barataria Pass at Grand Isle	2.79	54.99	30.40	29.19	27.33	5.66	2.16	0.84	0.12	2.13	3.26	1.59
HWQ14 - Lake Washington	1.31	32.07	15.68	24.42	19.96	5.51	-2.59	-1.79	-1.48	-1.55	2.11	2.54
HWQ16 - Bayou Grand Liard	-0.99	14.58	11.67	15.06	7.84	1.45	0.43	-0.23	-0.13	-0.07	-0.40	-2.47
CRMS 3985	0.04	26.14	17.60	20.76	29.41	0.90	-15.43	-8.05	-4.08	-9.43	6.64	2.31
CRMS 0258	3.30	39.47	22.99	13.47	24.74	1.56	2.07	2.01	0.34	1.56	1.22	1.22
CRMS 0224	6.12	73.44	41.24	23.50	44.99	5.36	5.09	4.08	2.08	5.14	4.17	2.82
CRMS 0163	0.50	-1.43	-0.94	0.34	-0.97	-0.50	1.94	0.58	1.04	0.21	-0.21	0.60
CRMS 0162	-6.76	-11.21	-14.60	-6.75	-10.26	-3.32	0.71	-0.01	0.24	-2.94	-12.25	-5.73

Figure WQ TSS 68 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.39	3.97	5.58	8.27	9.70	7.94	8.24	8.93	7.02	6.23	3.29	5.86
CRMS0276 - Just east of Wilkinson Canal	26.93	54.98	32.67	56.92	61.85	49.35	31.87	32.97	42.80	29.72	23.90	31.36
Barataria Waterway at Lafitte (USACE82875)	61.96	82.84	51.96	72.12	87.95	71.61	74.27	75.41	66.59	67.99	53.04	77.69
USGS2928590900040000 Barataria Waterway South of Lafitte	2.01	3.08	4.72	8.29	9.70	7.66	5.13	5.29	6.21	5.33	2.78	3.46
USGS7380251 Barataria Bay North of Grand Isle	7.68	6.58	5.62	8.31	7.95	7.01	7.37	7.65	10.19	9.36	6.39	8.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.28	8.06	9.80	12.90	10.77	8.18	7.48	9.64	8.07	7.87	6.71	5.33
USGS 07380335 - Little Lake Near Cutoff	10.04	15.19	14.88	20.63	16.73	11.55	10.15	12.73	10.62	10.13	9.08	7.77
USGS073802516 Barataria Pass at Grand Isle	7.32	11.14	12.25	17.25	16.32	14.12	12.38	14.89	8.80	10.11	7.55	6.86
HWQ14 - Lake Washington	5.46	4.39	6.24	7.28	6.36	5.22	4.04	4.34	5.14	6.10	4.97	4.86
HWQ16 - Bayou Grand Liard	24.50	43.49	27.72	40.65	36.22	32.87	27.82	27.15	22.94	15.12	15.83	20.18
CRMS 3985	13.11	11.02	4.42	6.29	5.12	4.42	3.48	3.58	13.17	11.52	11.02	18.43
CRMS 0258	10.53	15.03	15.29	21.98	28.07	26.95	27.37	27.64	14.07	9.16	2.62	8.30
CRMS 0224	4.23	8.25	9.84	16.34	16.17	15.40	10.46	11.49	14.11	11.23	5.46	3.54
CRMS 0163	71.03	86.97	54.90	65.85	77.81	64.25	75.56	79.49	74.76	75.69	56.58	87.63
CRMS 0162	105.48	129.05	92.09	96.69	113.62	94.23	114.60	109.23	97.57	107.56	69.67	136.11

V3PR7 HYST - cy 1 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.03	191.74	154.74	156.45	183.62	146.74	157.63	128.39	98.47	107.45	86.25	137.87
CRMS0276 - Just east of Wilkinson Canal	36.33	49.86	30.17	55.59	58.16	46.77	47.48	40.37	42.70	30.17	22.85	29.51
Barataria Waterway at Lafitte (USACE82875)	60.18	81.49	50.23	72.35	86.22	70.32	71.75	73.73	68.70	70.10	55.31	80.46
USGS2928590900040000 Barataria Waterway South of Lafitte	133.85	162.11	124.89	127.68	153.70	120.79	130.86	80.32	34.23	37.74	18.11	28.81
USGS7380251 Barataria Bay North of Grand Isle	71.00	104.56	71.92	82.58	100.07	74.22	77.07	50.44	14.76	12.24	10.17	11.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	91.53	123.19	87.99	94.31	112.10	87.58	97.36	61.44	17.57	15.90	11.28	12.76
USGS 07380335 - Little Lake Near Cutoff	72.15	105.21	71.61	82.09	93.19	73.44	80.96	52.58	16.32	13.77	10.61	9.85
USGS073802516 Barataria Pass at Grand Isle	40.55	59.34	35.86	48.97	47.96	40.50	42.04	35.15	14.76	12.90	8.77	7.77
HWQ14 - Lake Washington	20.71	39.58	22.04	37.83	35.96	30.59	25.14	18.13	7.78	6.84	5.44	5.42
HWQ16 - Bayou Grand Liard	34.53	61.86	36.36	56.62	54.21	43.34	39.00	30.77	24.11	15.41	14.90	18.29
CRMS 3985	29.52	56.37	33.24	45.84	54.39	41.62	41.27	24.45	6.69	4.75	7.62	17.88
CRMS 0258	49.83	66.66	41.68	53.09	64.45	60.32	69.81	49.78	15.64	10.75	3.31	9.76
CRMS 0224	58.69	84.05	47.23	62.53	74.03	62.05	68.94	47.15	17.98	15.62	7.30	6.85
CRMS 0163	69.19	85.67	53.93	64.42	76.83	64.14	74.60	79.00	75.48	75.78	57.30	88.10
CRMS 0162	98.39	120.28	81.94	88.36	103.83	87.76	109.05	105.90	97.31	105.34	66.00	130.89

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.65	187.78	149.16	148.18	173.93	138.80	149.39	119.46	91.45	101.21	82.96	132.01
CRMS0276 - Just east of Wilkinson Canal	9.40	-5.12	-2.50	-1.33	-3.70	-2.58	15.61	7.40	-0.10	0.45	-1.05	-1.85
Barataria Waterway at Lafitte (USACE82875)	-1.78	-1.36	-1.73	0.23	-1.73	-1.29	-2.52	-1.68	2.12	2.11	2.27	2.77
USGS2928590900040000 Barataria Waterway South of Lafitte	131.84	159.03	120.18	119.39	144.00	113.13	125.73	75.03	28.02	32.41	15.33	25.35
USGS7380251 Barataria Bay North of Grand Isle	63.32	97.98	66.31	74.27	92.12	67.22	69.70	42.80	4.57	2.88	3.78	2.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.25	115.13	78.19	81.41	101.33	79.40	89.88	51.80	9.50	8.03	4.57	7.43
USGS 07380335 - Little Lake Near Cutoff	62.10	90.02	56.72	61.46	76.46	61.89	70.80	39.85	5.70	3.65	1.53	2.08
USGS073802516 Barataria Pass at Grand Isle	33.22	48.21	23.61	31.72	31.64	26.38	29.66	20.26	5.96	2.79	1.23	0.91
HWQ14 - Lake Washington	15.25	35.19	15.80	30.56	29.61	25.37	21.10	13.79	2.64	0.74	0.47	0.55
HWQ16 - Bayou Grand Liard	10.03	18.37	8.64	15.98	17.99	10.48	11.18	3.61	1.17	0.29	-0.93	-1.89
CRMS 3985	16.42	45.35	28.82	39.55	49.28	37.20	37.79	20.87	-6.48	-6.77	-3.40	-0.55
CRMS 0258	39.29	51.63	26.39	31.11	36.38	33.37	42.44	22.15	1.56	1.59	0.69	1.46
CRMS 0224	54.46	75.81	37.39	46.19	57.87	46.65	58.48	35.66	3.87	4.38	1.85	3.31
CRMS 0163	-1.84	-1.29	-0.96	-1.42	-0.98	-0.12	-0.96	-0.50	0.72	0.09	0.72	0.47
CRMS 0162	-7.09	-8.77	-10.14	-8.33	-9.79	-6.47	-5.56	-3.34	-0.26	-2.22	-3.67	-5.22

Figure WQ TSS 69 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.94	2.14	9.02	10.62	11.93	7.94	7.33	7.69	5.89	5.94	3.16	8.65
CRMS0276 - Just east of Wilkinson Canal	43.21	36.22	77.62	83.00	97.36	36.17	21.09	20.38	29.60	20.28	24.02	87.08
Barataria Waterway at Lafitte (USACE82875)	82.64	69.02	148.64	105.21	128.87	50.90	55.10	59.91	56.44	56.07	54.85	153.97
USGS2928590900040000 Barataria Waterway South of Lafitte	2.57	1.44	5.18	11.30	12.80	7.98	4.83	4.44	4.64	4.64	2.44	5.03
USGS7380251 Barataria Bay North of Grand Isle	11.45	7.49	13.67	12.18	9.62	7.01	6.94	7.09	8.71	10.41	6.34	13.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.22	7.22	14.28	20.36	15.71	9.29	6.83	8.53	7.10	7.03	6.12	9.67
USGS 07380335 - Little Lake Near Cutoff	19.00	11.02	21.42	31.93	26.94	12.66	8.03	9.80	8.26	7.75	8.49	18.60
USGS073802516 Barataria Pass at Grand Isle	12.91	8.45	17.35	27.26	26.12	15.25	10.32	12.41	7.62	8.73	7.19	14.30
HWQ14 - Lake Washington	7.97	5.72	10.87	11.83	8.15	5.99	4.13	4.26	4.74	6.56	5.25	6.63
HWQ16 - Bayou Grand Liard	40.34	22.33	61.62	63.85	73.00	29.25	16.78	17.35	15.99	10.78	15.45	59.54
CRMS 3985	22.33	13.62	25.01	10.79	6.63	4.52	3.15	3.43	10.85	13.67	8.86	25.72
CRMS 0258	5.74	2.26	36.14	30.66	36.78	20.64	21.29	21.23	6.86	6.01	3.61	31.32
CRMS 0224	7.50	5.60	11.99	23.85	25.37	15.69	8.70	9.74	10.50	9.10	4.27	8.10
CRMS 0163	87.69	82.44	150.43	102.68	120.97	36.06	57.27	62.60	63.69	55.58	67.87	169.62
CRMS 0162	130.32	113.35	247.70	145.73	179.80	66.37	80.79	81.99	79.14	73.20	86.69	252.43

V3PR7 HYST - cy 1 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	129.12	124.01	353.38	228.02	257.79	112.02	115.69	82.72	82.21	78.08	120.33	346.99
CRMS0276 - Just east of Wilkinson Canal	46.44	34.80	85.27	78.46	98.79	36.16	35.21	27.36	33.61	21.43	22.65	86.29
Barataria Waterway at Lafitte (USACE82875)	84.67	71.80	144.86	103.70	126.79	50.31	52.89	60.65	58.15	57.67	56.75	150.14
USGS2928590900040000 Barataria Waterway South of Lafitte	43.50	23.47	303.44	195.78	222.34	87.24	92.59	39.59	30.72	33.01	37.35	304.68
USGS7380251 Barataria Bay North of Grand Isle	31.90	12.81	192.48	130.59	151.45	47.66	55.10	20.89	12.62	11.05	17.62	197.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.63	13.16	231.97	147.04	170.80	57.22	67.42	23.26	14.63	13.87	13.46	237.87
USGS 07380335 - Little Lake Near Cutoff	48.74	13.13	198.98	126.90	149.85	47.58	55.55	20.72	12.51	11.10	9.42	200.06
USGS073802516 Barataria Pass at Grand Isle	38.07	10.03	94.12	71.43	80.04	32.77	32.20	21.79	11.67	11.15	8.00	101.53
HWQ14 - Lake Washington	24.78	7.68	56.09	56.60	62.24	26.62	20.25	11.01	6.17	6.11	5.32	52.57
HWQ16 - Bayou Grand Liard	47.71	21.45	101.26	83.39	96.43	32.80	26.98	19.03	17.24	11.33	14.29	93.79
CRMS 3985	30.34	17.30	105.10	72.81	91.15	30.35	30.15	8.30	5.00	6.12	9.20	95.31
CRMS 0258	22.15	3.29	129.50	83.56	102.36	37.34	52.12	26.22	9.50	9.81	4.99	127.36
CRMS 0224	34.63	7.82	137.40	99.75	120.15	39.31	52.07	21.08	14.98	13.82	6.74	147.15
CRMS 0163	88.38	81.70	147.59	101.09	118.92	36.22	56.56	63.23	64.90	56.08	67.28	167.26
CRMS 0162	125.73	106.77	230.27	133.49	167.63	60.64	76.86	80.60	79.74	71.95	80.95	239.97

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	125.18	121.87	344.36	217.40	245.85	104.08	108.36	75.03	76.32	72.13	117.17	338.33
CRMS0276 - Just east of Wilkinson Canal	3.22	-1.42	7.65	-4.54	1.43	-0.01	14.12	6.98	4.00	1.15	-1.37	-0.79
Barataria Waterway at Lafitte (USACE82875)	2.02	2.78	-3.77	-1.52	-2.08	-0.58	-2.21	0.74	1.70	1.60	1.90	-3.83
USGS2928590900040000 Barataria Waterway South of Lafitte	40.92	22.03	298.25	184.49	209.55	79.26	87.76	35.16	26.08	28.37	34.90	299.65
USGS7380251 Barataria Bay North of Grand Isle	20.45	5.31	178.81	118.41	141.82	40.65	48.16	13.80	3.91	0.65	11.28	184.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	32.41	5.95	217.70	126.67	155.09	47.93	60.59	14.74	7.53	6.84	7.33	228.20
USGS 07380335 - Little Lake Near Cutoff	29.74	2.11	177.56	94.97	122.91	34.92	47.52	10.92	4.25	3.35	0.93	181.47
USGS073802516 Barataria Pass at Grand Isle	25.16	1.57	76.77	44.17	53.92	17.52	21.88	9.38	4.06	2.41	0.81	87.23
HWQ14 - Lake Washington	16.81	1.96	45.22	44.77	54.10	20.63	16.12	6.75	1.43	-0.45	0.07	45.94
HWQ16 - Bayou Grand Liard	7.37	-0.88	39.64	19.53	23.43	3.55	10.20	1.68	1.25	0.55	-1.16	34.25
CRMS 3985	8.01	3.68	80.10	62.03	84.52	25.83	27.01	4.87	-5.84	-7.55	0.34	69.59
CRMS 0258	16.40	1.02	93.36	52.90	65.59	16.69	30.83	4.99	2.63	3.80	1.38	96.03
CRMS 0224	27.13	2.22	125.41	75.89	94.78	23.62	43.38	11.35	4.48	4.72	2.46	139.05
CRMS 0163	0.69	-0.74	-2.84	-1.60	-2.04	0.17	-0.70	0.63	1.21	0.50	-0.59	-2.35
CRMS 0162	-4.59	-6.58	-17.43	-12.24	-12.17	-5.72	-3.93	-1.38	0.60	-1.25	-5.74	-12.46

Figure WQ TSS 70 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.49	5.31	7.02	9.15	9.13	7.57	7.21	6.14	6.13	5.92	5.06	6.71
CRMS0276 - Just east of Wilkinson Canal	40.54	72.80	60.28	66.38	54.32	38.21	23.76	17.73	31.15	33.09	42.45	47.11
Barataria Waterway at Lafitte (USACE82875)	119.81	113.51	96.58	86.92	69.95	61.29	59.04	52.65	63.80	77.74	86.95	91.55
USGS2928590900040000 Barataria Waterway South of Lafitte	3.47	4.34	5.60	9.56	9.79	7.31	5.10	4.56	4.74	4.74	3.80	4.38
USGS7380251 Barataria Bay North of Grand Isle	11.40	6.31	8.01	8.47	7.42	6.62	6.70	7.22	10.62	10.28	8.93	10.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.21	11.40	13.64	16.38	11.51	7.56	7.03	7.67	7.35	7.98	9.76	7.69
USGS 07380335 - Little Lake Near Cutoff	13.90	21.34	22.35	26.75	17.77	9.90	8.97	7.96	8.28	10.34	13.99	12.14
USGS073802516 Barataria Pass at Grand Isle	9.20	15.19	17.42	22.16	17.63	12.16	11.04	10.53	7.63	10.21	10.67	9.94
HWQ14 - Lake Washington	6.67	4.57	7.67	7.66	6.58	5.10	4.18	4.29	5.85	6.84	6.47	6.33
HWQ16 - Bayou Grand Liard	36.60	52.96	52.43	53.98	37.41	23.46	18.46	14.07	13.59	16.53	28.44	29.25
CRMS 3985	18.73	9.44	6.99	5.47	4.56	3.91	3.24	7.68	13.58	13.49	16.13	19.67
CRMS 0258	24.11	24.44	23.52	25.39	23.83	24.21	18.94	6.88	7.52	9.67	7.88	13.47
CRMS 0224	5.67	12.12	12.90	20.12	17.19	12.75	9.65	9.59	11.16	10.67	7.78	5.82
CRMS 0163	134.58	120.90	93.42	82.87	57.17	55.76	60.14	57.25	77.42	89.94	101.65	103.05
CRMS 0162	204.54	173.14	155.14	126.32	87.75	78.18	83.68	75.21	96.16	130.94	132.06	156.31

V3PR8 HYST - cy 1 - 1975 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	283.44	252.20	227.49	193.68	151.65	121.64	90.56	81.95	102.07	130.79	140.40	151.10
CRMS0276 - Just east of Wilkinson Canal	65.55	69.77	59.89	63.61	50.69	37.61	28.42	17.36	23.04	26.21	43.49	40.00
Barataria Waterway at Lafitte (USACE82875)	55.16	55.70	49.73	60.62	50.87	39.13	31.57	28.72	40.14	49.02	52.49	52.21
USGS2928590900040000 Barataria Waterway South of Lafitte	236.50	215.67	194.72	163.34	124.77	96.82	59.76	38.19	34.15	43.05	27.79	31.83
USGS7380251 Barataria Bay North of Grand Isle	125.82	133.91	126.01	106.45	77.67	57.44	33.38	15.26	12.23	12.67	15.45	13.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	166.51	166.40	151.01	122.19	89.62	69.16	39.09	15.23	14.08	16.13	16.40	15.45
USGS 07380335 - Little Lake Near Cutoff	131.06	139.48	128.83	105.43	74.78	56.10	34.48	11.55	10.00	12.08	16.34	13.79
USGS073802516 Barataria Pass at Grand Isle	67.84	76.35	66.55	60.73	44.05	32.03	25.01	13.49	9.11	11.88	12.53	10.68
HWQ14 - Lake Washington	33.17	48.41	45.36	48.69	36.35	24.35	14.87	6.45	5.56	6.65	7.45	7.48
HWQ16 - Bayou Grand Liard	53.12	77.39	73.99	69.96	48.18	31.90	21.49	12.79	13.00	15.46	28.82	27.83
CRMS 3985	54.50	65.43	69.22	60.22	46.41	31.05	15.15	4.50	6.15	8.65	13.04	19.38
CRMS 0258	98.25	91.13	84.69	71.23	50.76	51.23	32.86	9.65	7.80	10.43	8.17	14.01
CRMS 0224	106.09	108.73	94.61	85.12	59.28	51.75	33.62	14.34	12.33	13.43	9.67	8.16
CRMS 0163	123.52	113.86	90.34	82.80	56.74	54.71	56.14	54.82	78.20	88.69	99.35	98.48
CRMS 0162	189.96	159.73	140.64	115.62	77.92	73.07	81.06	74.85	96.11	127.24	125.78	150.41

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	274.95	246.89	220.47	184.53	142.52	114.07	83.35	75.81	95.94	124.87	135.34	144.39
CRMS0276 - Just east of Wilkinson Canal	25.01	-3.03	-0.38	-2.77	-3.63	-0.60	4.66	-0.36	-8.11	-6.88	1.04	-7.11
Barataria Waterway at Lafitte (USACE82875)	-64.64	-57.80	-46.85	-26.30	-19.08	-22.16	-27.47	-23.94	-23.66	-28.72	-34.46	-39.35
USGS2928590900040000 Barataria Waterway South of Lafitte	233.03	211.32	189.12	153.78	114.99	89.51	54.66	33.63	29.42	38.31	23.98	27.45
USGS7380251 Barataria Bay North of Grand Isle	114.42	127.60	118.00	97.99	70.25	50.82	26.69	8.05	1.61	2.39	6.53	3.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	158.30	155.01	137.36	105.81	78.11	61.60	32.06	7.55	6.73	8.15	6.63	7.76
USGS 07380335 - Little Lake Near Cutoff	117.16	118.14	106.48	78.68	57.02	46.20	25.52	3.60	1.72	1.74	2.36	1.65
USGS073802516 Barataria Pass at Grand Isle	58.65	61.15	49.13	38.57	26.43	19.87	13.97	2.96	1.48	1.67	1.86	0.74
HWQ14 - Lake Washington	26.49	43.84	37.69	41.03	29.78	19.25	10.69	2.15	-0.29	-0.19	0.98	1.15
HWQ16 - Bayou Grand Liard	16.52	24.42	21.56	15.98	10.77	8.44	3.03	-1.28	-0.60	-1.07	0.38	-1.41
CRMS 3985	35.76	55.99	62.22	54.75	41.85	27.14	11.91	-3.18	-7.43	-4.84	-3.09	-0.28
CRMS 0258	74.13	66.69	61.18	45.84	26.94	27.02	13.92	2.77	0.28	0.76	0.29	0.54
CRMS 0224	100.43	96.61	81.70	65.00	42.09	39.00	23.97	4.76	1.17	2.76	1.90	2.34
CRMS 0163	-11.06	-7.05	-3.09	-0.07	-0.42	-1.06	-4.00	-2.42	0.78	-1.25	-2.30	-4.57
CRMS 0162	-14.57	-13.41	-14.50	-10.70	-9.83	-5.10	-2.62	-0.35	-0.05	-3.70	-6.28	-5.90

Figure WQ TSS 71 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.68	4.67	6.59	8.44	9.30	7.19	6.54	6.68	6.06	5.46	2.90	7.29
CRMS0276 - Just east of Wilkinson Canal	41.68	62.68	51.92	51.72	52.89	30.35	19.14	19.44	24.65	17.69	33.15	62.56
Barataria Waterway at Lafitte (USACE82875)	79.82	100.65	81.65	69.08	70.28	50.44	58.61	58.26	56.92	53.07	81.01	121.61
USGS2928590900040000 Barataria Waterway South of Lafitte	2.78	3.64	5.45	8.66	10.03	6.95	4.86	4.83	4.81	4.52	2.36	3.94
USGS7380251 Barataria Bay North of Grand Isle	9.22	6.93	7.93	8.34	7.65	6.66	6.19	11.11	9.61	8.48	5.10	10.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.27	8.91	13.34	13.59	11.62	7.38	6.64	7.57	7.24	6.54	6.22	7.54
USGS 07380335 - Little Lake Near Cutoff	15.78	16.82	21.29	20.92	18.27	9.04	7.67	7.70	7.61	7.13	9.46	13.79
USGS073802516 Barataria Pass at Grand Isle	10.73	12.10	16.87	18.13	18.29	11.23	9.61	10.03	7.64	8.14	7.37	10.58
HWQ14 - Lake Washington	6.85	4.27	8.07	7.70	6.67	5.18	4.01	4.73	5.52	5.85	4.14	5.26
HWQ16 - Bayou Grand Liard	35.19	46.63	49.31	39.27	40.46	17.50	12.85	15.12	12.26	9.94	19.59	39.02
CRMS 3985	14.78	12.08	7.53	6.15	5.06	4.02	3.95	16.08	11.37	9.54	6.07	19.17
CRMS 0258	14.99	20.45	19.12	22.24	24.20	18.74	13.39	7.29	7.44	7.18	2.29	26.05
CRMS 0224	6.55	9.55	12.60	16.54	18.20	12.01	9.09	9.46	10.53	8.86	4.72	6.31
CRMS 0163	82.97	107.11	79.25	68.59	54.43	47.82	63.25	58.83	64.97	58.63	95.72	135.95
CRMS 0162	126.79	156.79	134.61	106.05	88.22	62.23	91.85	79.79	76.18	74.28	120.92	203.00

V3PR8 HYST - cy 1 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	156.89	232.74	199.31	175.32	146.30	73.10	91.84	83.20	84.05	89.81	138.91	256.23
CRMS0276 - Just east of Wilkinson Canal	38.97	60.69	52.91	49.72	52.45	27.88	17.51	17.97	17.10	17.45	31.41	52.28
Barataria Waterway at Lafitte (USACE82875)	44.28	48.66	45.21	48.58	52.29	35.24	32.16	31.39	34.49	31.55	42.86	60.58
USGS2928590900040000 Barataria Waterway South of Lafitte	109.98	199.15	168.88	146.25	119.27	39.39	47.20	40.84	33.67	34.11	25.72	161.28
USGS7380251 Barataria Bay North of Grand Isle	58.23	125.73	109.03	92.21	73.74	22.65	13.93	14.47	11.20	10.35	12.30	84.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.93	152.95	128.88	106.16	85.49	25.89	15.82	15.07	13.66	12.96	13.53	112.79
USGS 07380335 - Little Lake Near Cutoff	70.35	127.71	110.09	88.90	72.76	23.52	11.92	10.87	9.21	8.88	12.17	87.61
USGS073802516 Barataria Pass at Grand Isle	44.53	68.38	57.96	49.96	45.16	21.01	12.13	12.64	8.53	9.59	9.42	38.45
HWQ14 - Lake Washington	19.09	43.97	41.87	40.25	37.41	15.54	6.51	5.03	5.16	5.52	5.10	17.54
HWQ16 - Bayou Grand Liard	41.37	68.73	66.18	55.13	49.58	20.91	12.94	15.36	11.54	11.02	19.48	46.41
CRMS 3985	24.60	62.71	61.67	50.54	44.78	12.71	4.22	3.83	6.13	5.85	4.13	26.23
CRMS 0258	45.68	83.24	73.72	58.57	50.47	23.76	15.67	9.73	7.29	7.21	2.61	65.31
CRMS 0224	52.03	101.92	85.01	70.73	57.80	23.22	14.01	14.26	11.92	10.90	7.17	64.19
CRMS 0163	77.93	103.73	78.29	67.94	54.99	47.12	60.05	56.36	64.43	56.49	93.77	128.77
CRMS 0162	118.28	144.95	123.23	95.91	79.78	60.50	90.03	80.16	75.39	74.13	114.60	195.81

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	151.21	228.07	192.72	166.89	137.00	65.91	85.30	76.52	77.99	84.35	136.02	248.94
CRMS0276 - Just east of Wilkinson Canal	-2.71	-1.99	1.00	-2.00	-0.44	-2.47	-1.64	-1.46	-7.55	-0.24	-1.74	-10.28
Barataria Waterway at Lafitte (USACE82875)	-35.54	-51.99	-36.44	-20.49	-17.99	-15.21	-26.45	-26.87	-22.43	-21.52	-38.15	-61.03
USGS2928590900040000 Barataria Waterway South of Lafitte	107.20	195.51	163.43	137.59	109.24	32.44	42.34	36.02	28.86	29.59	23.36	157.34
USGS7380251 Barataria Bay North of Grand Isle	49.01	118.80	101.10	83.87	66.09	15.99	7.74	3.36	1.59	1.87	7.20	73.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	76.66	144.04	115.55	92.58	73.87	18.52	9.18	7.50	6.42	6.42	7.31	105.25
USGS 07380335 - Little Lake Near Cutoff	54.57	110.88	88.80	67.99	54.49	14.48	4.25	3.17	1.61	1.75	2.72	73.82
USGS073802516 Barataria Pass at Grand Isle	33.79	56.27	41.10	31.84	26.87	9.78	2.52	2.60	0.89	1.45	2.06	27.88
HWQ14 - Lake Washington	12.24	39.70	33.80	32.55	30.74	10.36	2.50	0.31	-0.36	-0.33	0.96	12.28
HWQ16 - Bayou Grand Liard	6.18	22.10	16.88	15.85	9.13	3.42	0.09	0.24	-0.72	1.08	-0.11	7.39
CRMS 3985	9.82	50.63	54.13	44.39	39.72	8.69	0.27	-12.25	-5.24	-3.69	-1.95	7.06
CRMS 0258	30.69	62.79	54.60	36.32	26.26	5.02	2.27	2.44	-0.15	0.04	0.32	39.27
CRMS 0224	45.47	92.37	72.41	54.19	39.61	11.21	4.92	4.81	1.38	2.04	2.45	57.87
CRMS 0163	-5.04	-3.38	-0.96	-0.65	0.57	-0.69	-3.20	-2.48	-0.54	-2.14	-1.96	-7.18
CRMS 0162	-8.51	-11.84	-11.38	-10.14	-8.44	-1.73	-1.82	0.37	-0.79	-0.15	-6.33	-7.20

Figure WQ TSS 72 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.92	5.96	5.87	8.38	10.55	6.12	6.20	6.20	5.57	5.62	7.05	7.34
CRMS0276 - Just east of Wilkinson Canal	22.85	89.57	54.92	84.95	75.45	44.16	14.00	9.74	12.96	26.23	52.15	56.80
Barataria Waterway at Lafitte (USACE82875)	70.24	141.73	98.19	105.79	111.19	78.01	46.80	43.33	33.84	85.00	113.77	100.16
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	4.66	4.75	9.23	10.27	6.43	5.18	5.61	4.91	4.24	4.22	5.22
USGS7380251 Barataria Bay North of Grand Isle	8.07	10.21	10.33	12.60	8.96	6.95	13.22	10.22	8.98	13.06	8.92	10.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.43	10.19	11.48	16.05	11.55	7.63	7.45	7.34	6.09	6.63	9.96	9.19
USGS 07380335 - Little Lake Near Cutoff	9.49	20.69	16.63	25.54	18.70	10.57	7.06	6.37	4.88	7.21	14.97	16.01
USGS073802516 Barataria Pass at Grand Isle	7.00	14.53	14.04	20.89	17.96	12.63	8.62	8.71	6.30	7.75	11.25	12.45
HWQ14 - Lake Washington	5.93	5.26	9.78	11.54	6.80	5.29	8.10	6.33	5.63	7.86	6.52	6.07
HWQ16 - Bayou Grand Liard	19.04	60.05	35.17	56.40	42.99	27.84	12.21	12.63	6.89	11.20	34.48	39.24
CRMS 3985	14.84	18.57	15.96	14.29	5.78	7.80	19.35	11.48	8.46	19.39	9.76	18.51
CRMS 0258	4.99	26.79	16.61	28.50	34.46	9.36	5.86	5.65	5.76	5.71	20.47	19.79
CRMS 0224	4.08	10.82	9.96	20.23	17.89	12.46	7.81	8.27	7.98	7.75	8.14	8.81
CRMS 0163	91.14	151.57	111.68	91.36	97.15	74.59	50.28	44.85	37.27	105.21	135.15	111.34
CRMS 0162	129.21	197.76	163.05	125.56	141.57	102.91	77.08	57.64	30.10	148.24	180.54	163.92

V3PR8 HYST - cy 1 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	160.55	256.03	228.44	145.26	199.36	113.77	84.60	55.96	47.92	150.86	180.25	155.70
CRMS0276 - Just east of Wilkinson Canal	18.52	74.33	44.40	74.98	63.00	37.96	12.95	9.92	11.67	23.56	45.43	44.05
Barataria Waterway at Lafitte (USACE82875)	36.61	73.26	52.90	71.14	70.73	51.73	28.65	22.01	21.09	46.05	59.78	57.11
USGS2928590900040000 Barataria Waterway South of Lafitte	60.13	185.19	139.04	59.22	143.47	31.58	36.09	29.89	20.44	43.15	32.04	30.47
USGS7380251 Barataria Bay North of Grand Isle	21.82	113.49	85.46	50.87	86.42	16.82	11.89	12.12	8.62	13.59	20.06	16.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.49	145.48	103.73	59.02	110.53	22.57	15.02	12.40	9.27	15.76	19.58	18.07
USGS 07380335 - Little Lake Near Cutoff	11.90	119.76	81.23	61.89	90.04	19.02	10.86	7.70	6.54	9.89	16.66	15.64
USGS073802516 Barataria Pass at Grand Isle	9.40	69.37	44.58	49.38	44.01	17.55	10.17	8.83	6.30	9.28	13.02	11.91
HWQ14 - Lake Washington	7.96	38.83	26.61	35.91	28.02	10.64	5.63	4.57	4.27	7.14	9.15	9.07
HWQ16 - Bayou Grand Liard	14.97	73.33	46.94	69.06	48.10	25.97	11.37	11.68	8.19	11.54	24.21	27.17
CRMS 3985	15.57	43.95	32.50	34.59	35.78	8.52	3.93	3.40	4.19	13.35	16.77	23.12
CRMS 0258	8.19	67.03	40.69	41.56	59.26	10.34	7.81	7.53	5.76	6.44	21.62	21.27
CRMS 0224	10.03	84.75	51.41	43.35	62.39	17.26	12.81	12.28	9.57	11.92	10.35	9.60
CRMS 0163	87.94	143.87	105.31	90.33	91.69	69.99	49.41	42.74	37.67	102.08	126.56	102.62
CRMS 0162	121.69	184.27	146.14	118.78	131.51	100.87	76.90	56.42	29.51	145.79	175.44	160.50

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.63	250.07	222.57	136.88	188.81	107.65	78.40	49.76	42.35	145.24	173.20	148.36
CRMS0276 - Just east of Wilkinson Canal	-4.33	-15.23	-10.52	-9.98	-12.45	-6.21	-1.05	0.18	-1.30	-2.67	-6.72	-12.74
Barataria Waterway at Lafitte (USACE82875)	-33.63	-68.47	-45.29	-34.65	-40.47	-26.28	-18.16	-21.33	-12.75	-38.95	-53.99	-43.05
USGS2928590900040000 Barataria Waterway South of Lafitte	58.39	180.52	134.29	49.99	133.20	25.15	30.91	24.28	15.53	38.91	27.83	25.25
USGS7380251 Barataria Bay North of Grand Isle	13.75	103.28	75.13	38.27	77.46	9.87	-1.33	1.89	-0.36	0.53	11.14	6.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	19.06	135.30	92.25	42.97	98.98	14.94	7.56	5.05	3.19	9.12	9.63	8.88
USGS 07380335 - Little Lake Near Cutoff	2.42	99.07	64.60	36.35	71.34	8.45	3.80	1.33	1.66	2.68	1.69	-0.37
USGS073802516 Barataria Pass at Grand Isle	2.41	54.84	30.54	28.49	26.05	4.92	1.55	0.11	-0.01	1.53	1.77	-0.54
HWQ14 - Lake Washington	2.03	33.57	16.83	24.37	21.21	5.35	-2.47	-1.76	-1.37	-0.72	2.63	3.00
HWQ16 - Bayou Grand Liard	-4.07	13.28	11.78	12.66	5.11	-1.86	-0.84	-0.95	1.30	0.34	-10.27	-12.07
CRMS 3985	0.74	25.38	16.54	20.30	30.00	0.72	-15.43	-8.08	-4.27	-6.03	7.02	4.61
CRMS 0258	3.20	40.24	24.08	13.06	24.80	0.97	1.95	1.88	0.01	0.73	1.15	1.47
CRMS 0224	5.95	73.93	41.45	23.12	44.50	4.80	5.00	4.01	1.60	4.17	2.21	0.79
CRMS 0163	-3.21	-7.70	-6.37	-1.04	-5.46	-4.60	-0.86	-2.11	0.39	-3.13	-8.59	-8.71
CRMS 0162	-7.52	-13.49	-16.91	-6.78	-10.06	-2.04	-0.18	-1.23	-0.59	-2.46	-5.10	-3.42

Figure WQ TSS 73 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.39	3.97	5.58	8.27	9.70	7.94	8.24	8.93	7.02	6.23	3.29	5.86
CRMS0276 - Just east of Wilkinson Canal	26.93	54.98	32.67	56.92	61.85	49.35	31.87	32.97	42.80	29.72	23.90	31.36
Barataria Waterway at Lafitte (USACE82875)	61.96	82.84	51.96	72.12	87.95	71.61	74.27	75.41	66.59	67.99	53.04	77.69
USGS2928590900040000 Barataria Waterway South of Lafitte	2.01	3.08	4.72	8.29	9.70	7.66	5.13	5.29	6.21	5.33	2.78	3.46
USGS7380251 Barataria Bay North of Grand Isle	7.68	6.58	5.62	8.31	7.95	7.01	7.37	7.65	10.19	9.36	6.39	8.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.28	8.06	9.80	12.90	10.77	8.18	7.48	9.64	8.07	7.87	6.71	5.33
USGS 07380335 - Little Lake Near Cutoff	10.04	15.19	14.88	20.63	16.73	11.55	10.15	12.73	10.62	10.13	9.08	7.77
USGS073802516 Barataria Pass at Grand Isle	7.32	11.14	12.25	17.25	16.32	14.12	12.38	14.89	8.80	10.11	7.55	6.86
HWQ14 - Lake Washington	5.46	4.39	6.24	7.28	6.36	5.22	4.04	4.34	5.14	6.10	4.97	4.86
HWQ16 - Bayou Grand Liard	24.50	43.49	27.72	40.65	36.22	32.87	27.82	27.15	22.94	15.12	15.83	20.18
CRMS 3985	13.11	11.02	4.42	6.29	5.12	4.42	3.48	3.58	13.17	11.52	11.02	18.43
CRMS 0258	10.53	15.03	15.29	21.98	28.07	26.95	27.37	27.64	14.07	9.16	2.62	8.30
CRMS 0224	4.23	8.25	9.84	16.34	16.17	15.40	10.46	11.49	14.11	11.23	5.46	3.54
CRMS 0163	71.03	86.97	54.90	65.85	77.81	64.25	75.56	79.49	74.76	75.69	56.58	87.63
CRMS 0162	105.48	129.05	92.09	96.69	113.62	94.23	114.60	109.23	97.57	107.56	69.67	136.11

V3PR8 HYST - cy 1 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.18	191.73	154.74	156.43	183.64	146.72	157.60	128.32	98.08	106.39	88.42	141.36
CRMS0276 - Just east of Wilkinson Canal	34.72	48.05	29.74	52.58	56.63	45.87	47.51	39.98	35.67	23.67	25.33	32.96
Barataria Waterway at Lafitte (USACE82875)	34.63	42.71	31.44	52.40	57.49	47.54	36.30	36.20	47.61	45.69	32.79	39.31
USGS2928590900040000 Barataria Waterway South of Lafitte	133.92	162.05	124.87	127.56	153.54	120.66	130.74	80.23	34.59	38.72	18.47	29.56
USGS7380251 Barataria Bay North of Grand Isle	70.19	104.72	72.13	82.69	99.87	73.76	76.71	50.66	14.83	12.15	9.76	7.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	92.72	123.91	89.58	95.11	112.96	88.61	98.81	62.02	17.26	15.64	11.38	12.49
USGS 07380335 - Little Lake Near Cutoff	71.80	104.82	71.86	81.94	92.99	72.96	80.72	52.08	15.00	12.36	11.00	9.91
USGS073802516 Barataria Pass at Grand Isle	38.75	59.04	35.95	48.62	48.42	40.64	41.74	34.65	14.42	12.41	9.10	7.55
HWQ14 - Lake Washington	17.72	41.25	23.02	38.80	38.04	31.60	26.40	18.55	7.93	6.82	5.11	3.31
HWQ16 - Bayou Grand Liard	33.67	60.79	35.97	55.96	52.87	42.47	38.19	30.39	23.03	14.56	16.87	20.36
CRMS 3985	25.09	55.93	33.15	45.56	54.09	41.37	41.13	24.49	6.61	7.14	4.24	3.02
CRMS 0258	50.54	67.60	42.46	53.56	64.90	60.40	69.99	49.90	14.79	9.89	2.77	9.21
CRMS 0224	59.21	85.01	47.72	63.13	74.44	61.12	68.81	46.75	16.53	14.22	6.63	6.35
CRMS 0163	66.52	85.29	52.51	64.00	76.01	63.66	70.64	75.33	75.37	74.86	56.37	85.06
CRMS 0162	97.30	118.94	80.92	87.34	102.35	87.31	108.35	105.42	97.44	105.50	67.39	134.12

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.80	187.77	149.16	148.16	173.94	138.78	149.36	119.40	91.06	100.16	85.13	135.50
CRMS0276 - Just east of Wilkinson Canal	7.79	-6.93	-2.94	-4.34	-5.22	-3.48	15.65	7.01	-7.13	-6.04	1.43	1.60
Barataria Waterway at Lafitte (USACE82875)	-27.33	-40.13	-20.52	-19.73	-30.46	-24.07	-37.97	-39.21	-18.97	-22.30	-20.25	-38.38
USGS2928590900040000 Barataria Waterway South of Lafitte	131.91	158.97	120.15	119.27	143.84	112.99	125.60	74.93	28.38	33.39	15.69	26.10
USGS7380251 Barataria Bay North of Grand Isle	62.51	98.14	66.51	74.39	91.92	66.75	69.34	43.02	4.64	2.79	3.37	-1.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	86.44	115.85	79.78	82.21	102.19	80.43	91.33	52.39	9.19	7.77	4.68	7.16
USGS 07380335 - Little Lake Near Cutoff	61.76	89.63	56.98	61.32	76.26	61.41	70.57	39.34	4.38	2.24	1.92	2.14
USGS073802516 Barataria Pass at Grand Isle	31.43	47.91	23.70	31.37	32.10	26.52	29.36	19.76	5.63	2.30	1.55	0.68
HWQ14 - Lake Washington	12.26	36.86	16.78	31.53	31.69	26.37	22.37	14.21	2.79	0.72	0.14	-1.55
HWQ16 - Bayou Grand Liard	9.17	17.29	8.25	15.31	16.66	9.61	10.37	3.23	0.09	-0.56	1.04	0.18
CRMS 3985	11.99	44.91	28.73	39.27	48.97	36.95	37.65	20.91	-6.56	-4.38	-6.78	-15.41
CRMS 0258	40.01	52.57	27.17	31.58	36.82	33.45	42.62	22.26	0.71	0.73	0.15	0.90
CRMS 0224	54.98	76.76	37.88	46.79	58.27	45.72	58.34	35.26	2.42	2.99	1.17	2.82
CRMS 0163	-4.51	-1.67	-2.39	-1.84	-1.80	-0.59	-4.92	-4.16	0.60	-0.83	-0.22	-2.56
CRMS 0162	-8.18	-10.11	-11.17	-9.35	-11.27	-6.92	-6.25	-3.81	-0.13	-2.06	-2.28	-1.99

Figure WQ TSS 74 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.94	2.14	9.02	10.62	11.93	7.94	7.33	7.69	5.89	5.94	3.16	8.65
CRMS0276 - Just east of Wilkinson Canal	43.21	36.22	77.62	83.00	97.36	36.17	21.09	20.38	29.60	20.28	24.02	87.08
Barataria Waterway at Lafitte (USACE82875)	82.64	69.02	148.64	105.21	128.87	50.90	55.10	59.91	56.44	56.07	54.85	153.97
USGS2928590900040000 Barataria Waterway South of Lafitte	2.57	1.44	5.18	11.30	12.80	7.98	4.83	4.44	4.64	4.64	2.44	5.03
USGS7380251 Barataria Bay North of Grand Isle	11.45	7.49	13.67	12.18	9.62	7.01	6.94	7.09	8.71	10.41	6.34	13.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.22	7.22	14.28	20.36	15.71	9.29	6.83	8.53	7.10	7.03	6.12	9.67
USGS 07380335 - Little Lake Near Cutoff	19.00	11.02	21.42	31.93	26.94	12.66	8.03	9.80	8.26	7.75	8.49	18.60
USGS073802516 Barataria Pass at Grand Isle	12.91	8.45	17.35	27.26	26.12	15.25	10.32	12.41	7.62	8.73	7.19	14.30
HWQ14 - Lake Washington	7.97	5.72	10.87	11.83	8.15	5.99	4.13	4.26	4.74	6.56	5.25	6.63
HWQ16 - Bayou Grand Liard	40.34	22.33	61.62	63.85	73.00	29.25	16.78	17.35	15.99	10.78	15.45	59.54
CRMS 3985	22.33	13.62	25.01	10.79	6.63	4.52	3.15	3.43	10.85	13.67	8.86	25.72
CRMS 0258	5.74	2.26	36.14	30.66	36.78	20.64	21.29	21.23	6.86	6.01	3.61	31.32
CRMS 0224	7.50	5.60	11.99	23.85	25.37	15.69	8.70	9.74	10.50	9.10	4.27	8.10
CRMS 0163	87.69	82.44	150.43	102.68	120.97	36.06	57.27	62.60	63.69	55.58	67.87	169.62
CRMS 0162	130.32	113.35	247.70	145.73	179.80	66.37	80.79	81.99	79.14	73.20	86.69	252.43

V3PR8 HYST - cy 1 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	128.78	123.98	353.32	228.04	257.62	112.18	115.68	82.66	82.27	78.22	122.26	346.97
CRMS0276 - Just east of Wilkinson Canal	44.55	31.79	87.14	75.64	95.31	36.09	35.22	25.98	26.48	19.49	22.29	86.46
Barataria Waterway at Lafitte (USACE82875)	49.48	35.12	64.19	70.26	88.32	38.58	27.79	31.58	39.72	37.58	30.38	72.46
USGS2928590900040000 Barataria Waterway South of Lafitte	43.63	23.95	303.30	195.74	222.14	87.32	92.54	39.94	31.41	33.40	37.88	304.50
USGS7380251 Barataria Bay North of Grand Isle	31.95	12.60	192.40	130.91	150.50	47.60	54.97	20.90	12.70	11.02	17.04	198.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.62	12.98	234.67	148.41	171.83	57.72	68.24	23.31	14.38	13.79	13.76	240.09
USGS 07380335 - Little Lake Near Cutoff	48.82	12.92	199.08	126.66	149.34	47.25	55.21	20.50	11.16	10.38	9.93	199.25
USGS073802516 Barataria Pass at Grand Isle	37.65	9.93	93.00	70.71	80.35	32.92	32.17	21.69	11.30	10.86	7.96	100.01
HWQ14 - Lake Washington	24.65	7.75	59.69	58.81	65.32	27.21	21.41	11.13	6.31	6.07	4.76	53.93
HWQ16 - Bayou Grand Liard	47.39	21.50	99.96	82.66	95.10	32.40	26.36	18.29	16.18	11.59	14.77	91.71
CRMS 3985	30.27	15.51	104.46	72.66	90.12	30.17	30.04	8.18	4.85	6.29	4.63	94.23
CRMS 0258	22.30	3.16	130.88	84.73	103.45	36.81	52.23	26.12	8.62	8.95	4.53	129.17
CRMS 0224	34.73	7.62	139.01	100.37	121.86	38.74	51.60	20.78	13.52	12.56	6.17	148.14
CRMS 0163	84.54	78.73	143.39	100.19	122.87	37.07	54.02	60.50	64.84	55.81	66.57	161.79
CRMS 0162	125.53	107.13	227.76	130.87	165.91	60.08	76.57	80.84	79.85	72.65	81.57	237.94

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	124.84	121.84	344.30	217.42	245.69	104.23	108.35	74.97	76.38	72.27	119.10	338.31
CRMS0276 - Just east of Wilkinson Canal	1.33	-4.43	9.52	-7.36	-2.05	-0.08	14.13	5.60	-3.12	-0.79	-1.73	-0.62
Barataria Waterway at Lafitte (USACE82875)	-33.17	-33.89	-84.45	-34.95	-40.55	-12.31	-27.31	-28.33	-16.73	-18.49	-24.47	-81.51
USGS2928590900040000 Barataria Waterway South of Lafitte	41.06	22.51	298.12	184.44	209.35	79.34	87.71	35.51	26.77	28.76	35.44	299.47
USGS7380251 Barataria Bay North of Grand Isle	20.50	5.11	178.73	118.72	140.87	40.58	48.03	13.81	3.99	0.61	10.70	184.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	32.40	5.77	220.39	128.05	156.12	48.43	61.41	14.78	7.27	6.76	7.64	230.42
USGS 07380335 - Little Lake Near Cutoff	29.82	1.90	177.66	94.73	122.40	34.58	47.17	10.70	2.90	2.63	1.44	180.65
USGS073802516 Barataria Pass at Grand Isle	24.74	1.47	75.65	43.45	54.22	17.67	21.85	9.28	3.68	2.13	0.77	85.71
HWQ14 - Lake Washington	16.67	2.03	48.81	46.98	57.18	21.23	17.27	6.87	1.57	-0.49	-0.49	47.29
HWQ16 - Bayou Grand Liard	7.05	-0.83	38.35	18.81	22.10	3.15	9.58	0.94	0.19	0.81	-0.68	32.18
CRMS 3985	7.94	1.90	79.45	61.87	83.49	25.65	26.90	4.76	-6.00	-7.37	-4.22	68.51
CRMS 0258	16.55	0.89	94.74	54.06	66.68	16.17	30.94	4.89	1.76	2.93	0.92	97.85
CRMS 0224	27.23	2.02	127.02	76.51	96.49	23.06	42.90	11.04	3.02	3.46	1.90	140.05
CRMS 0163	-3.16	-3.71	-7.04	-2.50	1.91	1.02	-3.24	-2.10	1.16	0.23	-1.30	-7.83
CRMS 0162	-4.79	-6.22	-19.94	-14.86	-13.89	-6.29	-4.22	-1.15	0.71	-0.55	-5.12	-14.48

Figure WQ TSS 75 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.49	5.31	7.02	9.15	9.13	7.57	7.21	6.14	6.13	5.92	5.06	6.71
CRMS0276 - Just east of Wilkinson Canal	40.54	72.80	60.28	66.38	54.32	38.21	23.76	17.73	31.15	33.09	42.45	47.11
Barataria Waterway at Lafitte (USACE82875)	119.81	113.51	96.58	86.92	69.95	61.29	59.04	52.65	63.80	77.74	86.95	91.55
USGS2928590900040000 Barataria Waterway South of Lafitte	3.47	4.34	5.60	9.56	9.79	7.31	5.10	4.56	4.74	4.74	3.80	4.38
USGS7380251 Barataria Bay North of Grand Isle	11.40	6.31	8.01	8.47	7.42	6.62	6.70	7.22	10.62	10.28	8.93	10.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.21	11.40	13.64	16.38	11.51	7.56	7.03	7.67	7.35	7.98	9.76	7.69
USGS 07380335 - Little Lake Near Cutoff	13.90	21.34	22.35	26.75	17.77	9.90	8.97	7.96	8.28	10.34	13.99	12.14
USGS073802516 Barataria Pass at Grand Isle	9.20	15.19	17.42	22.16	17.63	12.16	11.04	10.53	7.63	10.21	10.67	9.94
HWQ14 - Lake Washington	6.67	4.57	7.67	7.66	6.58	5.10	4.18	4.29	5.85	6.84	6.47	6.33
HWQ16 - Bayou Grand Liard	36.60	52.96	52.43	53.98	37.41	23.46	18.46	14.07	13.59	16.53	28.44	29.25
CRMS 3985	18.73	9.44	6.99	5.47	4.56	3.91	3.24	7.68	13.58	13.49	16.13	19.67
CRMS 0258	24.11	24.44	23.52	25.39	23.83	24.21	18.94	6.88	7.52	9.67	7.88	13.47
CRMS 0224	5.67	12.12	12.90	20.12	17.19	12.75	9.65	9.59	11.16	10.67	7.78	5.82
CRMS 0163	134.58	120.90	93.42	82.87	57.17	55.76	60.14	57.25	77.42	89.94	101.65	103.05
CRMS 0162	204.54	173.14	155.14	126.32	87.75	78.18	83.68	75.21	96.16	130.94	132.06	156.31

V3PR9 HYST - cy 1 - 1975 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.62	5.84	6.97	8.74	8.76	7.26	7.14	6.16	6.28	6.45	5.52	6.71
CRMS0276 - Just east of Wilkinson Canal	35.83	66.80	56.70	63.76	51.85	35.18	20.99	15.38	23.17	26.93	43.54	43.06
Barataria Waterway at Lafitte (USACE82875)	56.66	59.11	54.46	62.34	53.34	42.02	33.70	28.42	38.46	48.12	51.42	50.55
USGS2928590900040000 Barataria Waterway South of Lafitte	3.43	4.29	5.46	8.97	9.27	6.91	4.89	4.59	4.75	4.70	3.76	3.81
USGS7380251 Barataria Bay North of Grand Isle	12.27	9.48	7.20	8.18	7.32	6.63	6.73	7.44	10.78	12.72	10.88	9.95
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.41	11.30	12.85	15.57	11.28	7.48	6.97	7.59	7.01	7.47	9.56	7.52
USGS 07380335 - Little Lake Near Cutoff	12.70	20.67	21.55	25.61	17.17	9.60	8.68	7.56	7.23	8.91	14.00	12.14
USGS073802516 Barataria Pass at Grand Isle	8.45	15.09	16.88	22.05	17.77	12.23	10.70	10.03	7.11	9.50	11.01	9.98
HWQ14 - Lake Washington	7.38	6.79	6.98	7.46	6.51	5.06	4.16	4.30	6.17	8.38	8.05	6.56
HWQ16 - Bayou Grand Liard	34.43	53.06	53.54	55.36	37.67	23.28	17.52	14.17	12.80	15.42	29.22	29.57
CRMS 3985	21.71	14.86	5.17	5.54	4.84	4.15	3.22	8.19	13.80	17.82	18.85	18.82
CRMS 0258	23.93	24.14	23.27	24.02	22.70	24.01	19.06	6.79	6.97	8.27	7.40	13.11
CRMS 0224	5.09	11.09	12.21	18.28	15.78	11.71	8.99	9.03	9.73	9.29	6.96	5.09
CRMS 0163	124.99	115.29	92.67	84.78	58.28	55.14	55.04	53.10	76.09	87.44	97.04	95.58
CRMS 0162	198.71	169.66	153.28	126.20	86.91	76.78	82.62	74.99	95.68	129.03	128.97	153.78

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.13	0.52	-0.04	-0.41	-0.37	-0.31	-0.07	0.02	0.15	0.53	0.45	0.01
CRMS0276 - Just east of Wilkinson Canal	-4.71	-6.00	-3.58	-2.62	-2.46	-3.02	-2.77	-2.35	-7.98	-6.16	1.08	-4.05
Barataria Waterway at Lafitte (USACE82875)	-63.15	-54.40	-42.12	-24.58	-16.62	-19.26	-25.34	-24.24	-25.34	-29.62	-35.53	-41.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.04	-0.05	-0.13	-0.59	-0.51	-0.40	-0.20	0.04	0.01	-0.04	-0.04	-0.57
USGS7380251 Barataria Bay North of Grand Isle	0.88	3.17	-0.81	-0.28	-0.10	0.01	0.03	0.23	0.16	2.44	1.96	-0.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.81	-0.09	-0.79	-0.81	-0.23	-0.08	-0.06	-0.09	-0.34	-0.51	-0.20	-0.17
USGS 07380335 - Little Lake Near Cutoff	-1.20	-0.67	-0.80	-1.15	-0.60	-0.30	-0.29	-0.39	-1.05	-1.44	0.01	0.00
USGS073802516 Barataria Pass at Grand Isle	-0.74	-0.11	-0.54	-0.11	0.14	0.07	-0.34	-0.50	-0.52	-0.70	0.35	0.04
HWQ14 - Lake Washington	0.71	2.22	-0.69	-0.20	-0.06	-0.04	-0.02	0.01	0.32	1.54	1.58	0.24
HWQ16 - Bayou Grand Liard	-2.17	0.10	1.10	1.38	0.26	-0.18	-0.94	0.10	-0.79	-1.11	0.78	0.33
CRMS 3985	2.97	5.42	-1.82	0.07	0.28	0.24	-0.02	0.51	0.22	4.33	2.71	-0.84
CRMS 0258	-0.19	-0.31	-0.25	-1.38	-1.13	-0.21	0.12	-0.09	-0.56	-1.41	-0.48	-0.36
CRMS 0224	-0.57	-1.03	-0.69	-1.84	-1.41	-1.04	-0.65	-0.56	-1.44	-1.38	-0.82	-0.73
CRMS 0163	-9.59	-5.61	-0.75	1.92	1.11	-0.62	-5.10	-4.15	-1.33	-2.50	-4.61	-7.47
CRMS 0162	-5.83	-3.49	-1.86	-0.12	-0.84	-1.40	-1.06	-0.22	-0.48	-1.91	-3.09	-2.53

Figure WQ TSS 76 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.68	4.67	6.59	8.44	9.30	7.19	6.54	6.68	6.06	5.46	2.90	7.29
CRMS0276 - Just east of Wilkinson Canal	41.68	62.68	51.92	51.72	52.89	30.35	19.14	19.44	24.65	17.69	33.15	62.56
Barataria Waterway at Lafitte (USACE82875)	79.82	100.65	81.65	69.08	70.28	50.44	58.61	58.26	56.92	53.07	81.01	121.61
USGS2928590900040000 Barataria Waterway South of Lafitte	2.78	3.64	5.45	8.66	10.03	6.95	4.86	4.83	4.81	4.52	2.36	3.94
USGS7380251 Barataria Bay North of Grand Isle	9.22	6.93	7.93	8.34	7.65	6.66	6.19	11.11	9.61	8.48	5.10	10.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.27	8.91	13.34	13.59	11.62	7.38	6.64	7.57	7.24	6.54	6.22	7.54
USGS 07380335 - Little Lake Near Cutoff	15.78	16.82	21.29	20.92	18.27	9.04	7.67	7.70	7.61	7.13	9.46	13.79
USGS073802516 Barataria Pass at Grand Isle	10.73	12.10	16.87	18.13	18.29	11.23	9.61	10.03	7.64	8.14	7.37	10.58
HWQ14 - Lake Washington	6.85	4.27	8.07	7.70	6.67	5.18	4.01	4.73	5.52	5.85	4.14	5.26
HWQ16 - Bayou Grand Liard	35.19	46.63	49.31	39.27	40.46	17.50	12.85	15.12	12.26	9.94	19.59	39.02
CRMS 3985	14.78	12.08	7.53	6.15	5.06	4.02	3.95	16.08	11.37	9.54	6.07	19.17
CRMS 0258	14.99	20.45	19.12	22.24	24.20	18.74	13.39	7.29	7.44	7.18	2.29	26.05
CRMS 0224	6.55	9.55	12.60	16.54	18.20	12.01	9.09	9.46	10.53	8.86	4.72	6.31
CRMS 0163	82.97	107.11	79.25	68.59	54.43	47.82	63.25	58.83	64.97	58.63	95.72	135.95
CRMS 0162	126.79	156.79	134.61	106.05	88.22	62.23	91.85	79.79	76.18	74.28	120.92	203.00

V3PR9 HYST - cy 1 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.78	5.03	6.52	8.15	9.00	6.93	6.48	6.79	6.37	5.76	3.34	7.98
CRMS0276 - Just east of Wilkinson Canal	37.54	57.03	49.66	49.96	51.82	28.13	16.87	16.69	17.49	16.98	31.66	55.42
Barataria Waterway at Lafitte (USACE82875)	45.42	52.02	48.14	50.46	54.08	35.49	31.64	30.24	33.30	30.58	41.11	60.83
USGS2928590900040000 Barataria Waterway South of Lafitte	2.75	3.64	5.29	8.25	9.52	6.62	4.70	4.83	4.77	4.42	2.34	4.25
USGS7380251 Barataria Bay North of Grand Isle	9.93	8.69	7.75	8.35	7.53	6.59	6.18	12.01	11.61	10.68	8.80	11.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.49	8.88	12.58	13.16	11.41	7.24	6.66	7.51	7.23	6.48	6.91	7.66
USGS 07380335 - Little Lake Near Cutoff	14.68	16.41	20.51	20.21	17.69	8.72	7.51	7.31	6.77	6.79	10.19	13.68
USGS073802516 Barataria Pass at Grand Isle	10.07	12.22	16.40	18.03	18.56	11.16	9.52	9.71	7.54	7.94	7.70	10.75
HWQ14 - Lake Washington	7.36	5.77	8.08	7.88	6.66	5.10	4.05	5.39	6.97	7.28	6.63	6.81
HWQ16 - Bayou Grand Liard	33.68	46.91	49.55	40.00	41.00	16.96	12.35	14.48	11.40	11.12	19.71	39.28
CRMS 3985	17.26	15.14	7.89	6.34	5.02	3.99	4.02	16.79	14.22	13.16	16.98	20.38
CRMS 0258	14.66	20.23	18.83	20.85	22.80	18.43	13.26	7.15	6.81	6.03	2.31	26.29
CRMS 0224	5.95	8.84	11.62	15.02	16.79	10.97	8.41	8.80	9.17	7.60	4.41	5.68
CRMS 0163	77.26	104.93	79.92	69.70	56.10	46.33	58.01	53.81	62.71	55.13	89.35	125.80
CRMS 0162	122.70	154.09	133.84	105.29	87.47	61.42	91.14	79.50	77.47	74.88	114.23	199.44

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.10	0.36	-0.07	-0.28	-0.30	-0.27	-0.06	0.11	0.32	0.30	0.44	0.69
CRMS0276 - Just east of Wilkinson Canal	-4.14	-5.65	-2.25	-1.75	-1.07	-2.22	-2.27	-2.75	-7.17	-0.71	-1.49	-7.14
Barataria Waterway at Lafitte (USACE82875)	-34.40	-48.63	-33.52	-18.62	-16.19	-14.95	-26.97	-28.01	-23.62	-22.49	-39.89	-60.78
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.03	0.00	-0.16	-0.41	-0.51	-0.33	-0.17	0.00	-0.04	-0.10	-0.02	0.31
USGS7380251 Barataria Bay North of Grand Isle	0.71	1.76	-0.18	0.01	-0.12	-0.06	-0.02	0.89	2.00	2.21	3.70	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.78	-0.02	-0.75	-0.43	-0.21	-0.14	0.02	-0.06	-0.02	-0.06	0.70	0.12
USGS 07380335 - Little Lake Near Cutoff	-1.10	-0.41	-0.78	-0.71	-0.58	-0.31	-0.16	-0.39	-0.83	-0.34	0.73	-0.11
USGS073802516 Barataria Pass at Grand Isle	-0.66	0.11	-0.47	-0.10	0.26	-0.07	-0.09	-0.32	-0.10	-0.20	0.33	0.18
HWQ14 - Lake Washington	0.51	1.50	0.01	0.18	0.00	-0.08	0.04	0.66	1.45	1.43	2.49	1.55
HWQ16 - Bayou Grand Liard	-1.51	0.28	0.24	0.73	0.55	-0.54	-0.51	-0.64	-0.86	1.18	0.12	0.25
CRMS 3985	2.48	3.05	0.35	0.19	-0.03	-0.03	0.07	0.71	2.85	3.62	10.91	1.20
CRMS 0258	-0.33	-0.22	-0.29	-1.40	-1.41	-0.31	-0.13	-0.15	-0.62	-1.15	0.02	0.25
CRMS 0224	-0.60	-0.72	-0.98	-1.52	-1.41	-1.04	-0.68	-0.65	-1.36	-1.26	-0.31	-0.63
CRMS 0163	-5.72	-2.18	0.67	1.11	1.67	-1.48	-5.24	-5.02	-2.26	-3.50	-6.38	-10.16
CRMS 0162	-4.09	-2.70	-0.77	-0.76	-0.76	-0.81	-0.72	-0.29	1.29	0.60	-6.69	-3.56

Figure WQ TSS 77 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	2.92	5.96	5.87	8.38	10.55	6.12	6.20	6.20	5.57	5.62	7.05	7.34
CRMS0276 - Just east of Wilkinson Canal	22.85	89.57	54.92	84.95	75.45	44.16	14.00	9.74	12.96	26.23	52.15	56.80
Barataria Waterway at Lafitte (USACE82875)	70.24	141.73	98.19	105.79	111.19	78.01	46.80	43.33	33.84	85.00	113.77	100.16
USGS2928590900040000 Barataria Waterway South of Lafitte	1.74	4.66	4.75	9.23	10.27	6.43	5.18	5.61	4.91	4.24	4.22	5.22
USGS7380251 Barataria Bay North of Grand Isle	8.07	10.21	10.33	12.60	8.96	6.95	13.22	10.22	8.98	13.06	8.92	10.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.43	10.19	11.48	16.05	11.55	7.63	7.45	7.34	6.09	6.63	9.96	9.19
USGS 07380335 - Little Lake Near Cutoff	9.49	20.69	16.63	25.54	18.70	10.57	7.06	6.37	4.88	7.21	14.97	16.01
USGS073802516 Barataria Pass at Grand Isle	7.00	14.53	14.04	20.89	17.96	12.63	8.62	8.71	6.30	7.75	11.25	12.45
HWQ14 - Lake Washington	5.93	5.26	9.78	11.54	6.80	5.29	8.10	6.33	5.63	7.86	6.52	6.07
HWQ16 - Bayou Grand Liard	19.04	60.05	35.17	56.40	42.99	27.84	12.21	12.63	6.89	11.20	34.48	39.24
CRMS 3985	14.84	18.57	15.96	14.29	5.78	7.80	19.35	11.48	8.46	19.39	9.76	18.51
CRMS 0258	4.99	26.79	16.61	28.50	34.46	9.36	5.86	5.65	5.76	5.71	20.47	19.79
CRMS 0224	4.08	10.82	9.96	20.23	17.89	12.46	7.81	8.27	7.98	7.75	8.14	8.81
CRMS 0163	91.14	151.57	111.68	91.36	97.15	74.59	50.28	44.85	37.27	105.21	135.15	111.34
CRMS 0162	129.21	197.76	163.05	125.56	141.57	102.91	77.08	57.64	30.10	148.24	180.54	163.92

V3PR9 HYST - cy 1 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.16	6.60	6.06	8.55	10.94	6.18	6.40	6.30	5.67	5.74	7.49	7.80
CRMS0276 - Just east of Wilkinson Canal	20.63	78.49	49.46	77.90	65.73	38.53	12.90	9.99	11.61	24.66	51.85	50.31
Barataria Waterway at Lafitte (USACE82875)	35.35	75.55	53.16	70.34	70.25	50.14	27.53	21.59	20.29	45.27	60.47	58.53
USGS2928590900040000 Barataria Waterway South of Lafitte	1.81	4.73	4.78	8.87	9.60	6.07	5.12	5.55	4.85	4.17	4.09	5.88
USGS7380251 Barataria Bay North of Grand Isle	10.09	13.62	11.22	14.33	14.59	9.30	13.98	10.64	9.04	13.37	12.70	12.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.26	10.21	10.98	15.21	12.31	8.31	7.62	7.41	6.07	6.21	10.25	9.00
USGS 07380335 - Little Lake Near Cutoff	9.29	19.91	15.74	23.06	16.69	10.46	7.18	6.40	5.50	6.80	15.79	15.43
USGS073802516 Barataria Pass at Grand Isle	6.97	14.68	13.81	20.62	17.27	12.99	9.05	8.78	6.20	7.46	11.54	12.12
HWQ14 - Lake Washington	6.88	8.17	10.00	13.43	12.06	7.55	9.18	6.80	5.81	8.46	8.76	7.96
HWQ16 - Bayou Grand Liard	18.79	59.55	35.69	56.09	40.45	27.10	12.52	13.04	8.64	13.26	35.42	37.75
CRMS 3985	20.51	24.26	18.63	17.98	20.33	10.74	18.97	11.33	8.36	19.44	23.16	22.72
CRMS 0258	4.82	26.27	16.00	26.28	32.89	8.16	5.43	5.19	5.14	4.11	19.36	19.55
CRMS 0224	3.89	9.84	9.42	17.17	15.13	10.79	7.39	7.75	7.35	6.51	6.86	7.39
CRMS 0163	85.04	142.62	106.19	87.14	91.35	69.06	46.38	41.45	36.66	100.30	125.29	102.99
CRMS 0162	122.89	191.17	155.40	120.36	135.54	101.08	76.83	58.51	30.68	147.83	171.47	160.81

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.24	0.64	0.19	0.18	0.39	0.06	0.20	0.10	0.10	0.12	0.44	0.46
CRMS0276 - Just east of Wilkinson Canal	-2.22	-11.08	-5.46	-7.05	-9.72	-5.63	-1.10	0.25	-1.35	-1.57	-0.31	-6.49
Barataria Waterway at Lafitte (USACE82875)	-34.89	-66.18	-45.04	-35.44	-40.94	-27.87	-19.27	-21.75	-13.55	-39.73	-53.30	-41.63
USGS2928590900040000 Barataria Waterway South of Lafitte	0.07	0.07	0.03	-0.36	-0.67	-0.36	-0.06	-0.06	-0.07	-0.06	-0.13	0.66
USGS7380251 Barataria Bay North of Grand Isle	2.02	3.42	0.89	1.73	5.63	2.35	0.76	0.41	0.06	0.31	3.78	2.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.17	0.02	-0.50	-0.84	0.76	0.69	0.16	0.07	-0.01	-0.43	0.29	-0.19
USGS 07380335 - Little Lake Near Cutoff	-0.19	-0.78	-0.89	-2.48	-2.01	-0.11	0.11	0.03	0.62	-0.42	0.82	-0.58
USGS073802516 Barataria Pass at Grand Isle	-0.02	0.15	-0.24	-0.27	-0.69	0.36	0.43	0.06	-0.10	-0.28	0.29	-0.33
HWQ14 - Lake Washington	0.95	2.91	0.21	1.89	5.26	2.27	1.08	0.47	0.17	0.60	2.23	1.89
HWQ16 - Bayou Grand Liard	-0.25	-0.50	0.52	-0.31	-2.53	-0.73	0.31	0.41	1.75	2.05	0.94	-1.49
CRMS 3985	5.67	5.69	2.66	3.68	14.55	2.94	-0.39	-0.15	-0.10	0.05	13.40	4.21
CRMS 0258	-0.17	-0.52	-0.61	-2.22	-1.58	-1.21	-0.43	-0.46	-0.61	-1.60	-1.12	-0.24
CRMS 0224	-0.19	-0.97	-0.55	-3.06	-2.75	-1.67	-0.42	-0.53	-0.63	-1.24	-1.28	-1.41
CRMS 0163	-6.10	-8.95	-5.49	-4.22	-5.80	-5.53	-3.89	-3.40	-0.62	-4.91	-9.86	-8.34
CRMS 0162	-6.32	-6.59	-7.65	-5.20	-6.03	-1.83	-0.26	0.87	0.58	-0.42	-9.08	-3.11

Figure WQ TSS 78 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.39	3.97	5.58	8.27	9.70	7.94	8.24	8.93	7.02	6.23	3.29	5.86
CRMS0276 - Just east of Wilkinson Canal	26.93	54.98	32.67	56.92	61.85	49.35	31.87	32.97	42.80	29.72	23.90	31.36
Barataria Waterway at Lafitte (USACE82875)	61.96	82.84	51.96	72.12	87.95	71.61	74.27	75.41	66.59	67.99	53.04	77.69
USGS2928590900040000 Barataria Waterway South of Lafitte	2.01	3.08	4.72	8.29	9.70	7.66	5.13	5.29	6.21	5.33	2.78	3.46
USGS7380251 Barataria Bay North of Grand Isle	7.68	6.58	5.62	8.31	7.95	7.01	7.37	7.65	10.19	9.36	6.39	8.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.28	8.06	9.80	12.90	10.77	8.18	7.48	9.64	8.07	7.87	6.71	5.33
USGS 07380335 - Little Lake Near Cutoff	10.04	15.19	14.88	20.63	16.73	11.55	10.15	12.73	10.62	10.13	9.08	7.77
USGS073802516 Barataria Pass at Grand Isle	7.32	11.14	12.25	17.25	16.32	14.12	12.38	14.89	8.80	10.11	7.55	6.86
HWQ14 - Lake Washington	5.46	4.39	6.24	7.28	6.36	5.22	4.04	4.34	5.14	6.10	4.97	4.86
HWQ16 - Bayou Grand Liard	24.50	43.49	27.72	40.65	36.22	32.87	27.82	27.15	22.94	15.12	15.83	20.18
CRMS 3985	13.11	11.02	4.42	6.29	5.12	4.42	3.48	3.58	13.17	11.52	11.02	18.43
CRMS 0258	10.53	15.03	15.29	21.98	28.07	26.95	27.37	27.64	14.07	9.16	2.62	8.30
CRMS 0224	4.23	8.25	9.84	16.34	16.17	15.40	10.46	11.49	14.11	11.23	5.46	3.54
CRMS 0163	71.03	86.97	54.90	65.85	77.81	64.25	75.56	79.49	74.76	75.69	56.58	87.63
CRMS 0162	105.48	129.05	92.09	96.69	113.62	94.23	114.60	109.23	97.57	107.56	69.67	136.11

V3PR9 HYST - cy 1 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.26	3.76	5.59	7.75	9.28	7.49	9.14	9.20	6.94	6.12	3.19	3.79
CRMS0276 - Just east of Wilkinson Canal	24.87	50.24	31.92	55.24	56.74	46.48	24.60	27.58	35.70	25.39	26.06	34.90
Barataria Waterway at Lafitte (USACE82875)	35.84	45.63	33.02	54.53	61.25	50.84	40.65	38.73	45.77	44.53	32.00	38.34
USGS2928590900040000 Barataria Waterway South of Lafitte	1.34	2.86	4.52	7.63	9.08	6.93	4.83	5.10	5.88	4.90	2.58	2.26
USGS7380251 Barataria Bay North of Grand Isle	3.63	6.23	6.11	8.08	7.91	7.33	14.42	10.57	10.77	9.79	5.39	4.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.05	7.27	9.90	12.42	10.63	7.66	7.87	10.02	7.94	7.58	6.60	4.85
USGS 07380335 - Little Lake Near Cutoff	8.66	14.50	14.93	19.88	15.99	10.26	7.80	12.19	9.71	9.57	9.70	8.44
USGS073802516 Barataria Pass at Grand Isle	5.34	10.66	12.38	17.12	16.23	13.20	10.05	14.48	9.04	10.07	7.63	7.09
HWQ14 - Lake Washington	1.75	3.91	6.53	7.03	6.35	5.27	8.56	6.97	5.77	6.66	4.61	3.60
HWQ16 - Bayou Grand Liard	24.09	43.73	28.25	41.15	36.04	32.68	24.64	24.82	22.11	15.29	17.33	22.47
CRMS 3985	5.89	10.85	5.05	6.17	5.16	7.10	21.01	8.83	13.30	11.84	6.05	3.20
CRMS 0258	10.22	14.78	15.09	20.73	26.92	26.32	27.22	27.80	13.31	8.04	2.31	8.54
CRMS 0224	3.28	7.43	9.28	14.70	14.55	13.40	8.97	10.66	12.30	10.10	5.11	3.06
CRMS 0163	67.57	86.63	53.68	65.44	78.49	63.98	70.93	74.48	73.44	73.47	55.33	82.42
CRMS 0162	103.33	126.99	89.96	95.47	112.11	92.39	111.63	107.73	96.63	107.09	69.90	137.52

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.13	-0.21	0.01	-0.52	-0.41	-0.46	0.90	0.28	-0.08	-0.11	-0.10	-2.06
CRMS0276 - Just east of Wilkinson Canal	-2.06	-4.74	-0.75	-1.68	-5.11	-2.86	-7.27	-5.38	-7.10	-4.33	2.16	3.54
Barataria Waterway at Lafitte (USACE82875)	-26.12	-37.22	-18.94	-17.59	-26.70	-20.77	-33.62	-36.68	-20.81	-23.46	-21.03	-39.35
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.67	-0.22	-0.20	-0.65	-0.63	-0.73	-0.30	-0.19	-0.34	-0.43	-0.19	-1.20
USGS7380251 Barataria Bay North of Grand Isle	-4.05	-0.35	0.50	-0.23	-0.04	0.32	7.05	2.92	0.58	0.43	-1.00	-4.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.22	-0.79	0.11	-0.49	-0.13	-0.52	0.39	0.38	-0.13	-0.28	-0.10	-0.48
USGS 07380335 - Little Lake Near Cutoff	-1.39	-0.69	0.05	-0.75	-0.74	-1.29	-2.36	-0.55	-0.92	-0.56	0.62	0.67
USGS073802516 Barataria Pass at Grand Isle	-1.98	-0.48	0.13	-0.13	-0.09	-0.92	-2.33	-0.41	0.24	-0.04	0.09	0.23
HWQ14 - Lake Washington	-3.71	-0.49	0.28	-0.25	-0.01	0.05	4.53	2.62	0.63	0.56	-0.36	-1.27
HWQ16 - Bayou Grand Liard	-0.41	0.24	0.53	0.50	-0.18	-0.19	-3.18	-2.34	-0.83	0.17	1.50	2.29
CRMS 3985	-7.22	-0.17	0.63	-0.11	0.05	2.69	17.54	5.25	0.13	0.32	-4.96	-15.23
CRMS 0258	-0.31	-0.25	-0.20	-1.25	-1.15	-0.63	-0.15	0.17	-0.77	-1.12	-0.31	0.24
CRMS 0224	-0.95	-0.82	-0.56	-1.64	-1.61	-2.00	-1.49	-0.83	-1.82	-1.14	-0.34	-0.47
CRMS 0163	-3.46	-0.33	-1.22	-0.40	0.68	-0.27	-4.63	-5.01	-1.32	-2.22	-1.26	-5.21
CRMS 0162	-2.15	-2.06	-2.12	-1.22	-1.51	-1.84	-2.97	-1.51	-0.94	-0.47	0.23	1.41

Figure WQ TSS 79 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.94	2.14	9.02	10.62	11.93	7.94	7.33	7.69	5.89	5.94	3.16	8.65
CRMS0276 - Just east of Wilkinson Canal	43.21	36.22	77.62	83.00	97.36	36.17	21.09	20.38	29.60	20.28	24.02	87.08
Barataria Waterway at Lafitte (USACE82875)	82.64	69.02	148.64	105.21	128.87	50.90	55.10	59.91	56.44	56.07	54.85	153.97
USGS2928590900040000 Barataria Waterway South of Lafitte	2.57	1.44	5.18	11.30	12.80	7.98	4.83	4.44	4.64	4.64	2.44	5.03
USGS7380251 Barataria Bay North of Grand Isle	11.45	7.49	13.67	12.18	9.62	7.01	6.94	7.09	8.71	10.41	6.34	13.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.22	7.22	14.28	20.36	15.71	9.29	6.83	8.53	7.10	7.03	6.12	9.67
USGS 07380335 - Little Lake Near Cutoff	19.00	11.02	21.42	31.93	26.94	12.66	8.03	9.80	8.26	7.75	8.49	18.60
USGS073802516 Barataria Pass at Grand Isle	12.91	8.45	17.35	27.26	26.12	15.25	10.32	12.41	7.62	8.73	7.19	14.30
HWQ14 - Lake Washington	7.97	5.72	10.87	11.83	8.15	5.99	4.13	4.26	4.74	6.56	5.25	6.63
HWQ16 - Bayou Grand Liard	40.34	22.33	61.62	63.85	73.00	29.25	16.78	17.35	15.99	10.78	15.45	59.54
CRMS 3985	22.33	13.62	25.01	10.79	6.63	4.52	3.15	3.43	10.85	13.67	8.86	25.72
CRMS 0258	5.74	2.26	36.14	30.66	36.78	20.64	21.29	21.23	6.86	6.01	3.61	31.32
CRMS 0224	7.50	5.60	11.99	23.85	25.37	15.69	8.70	9.74	10.50	9.10	4.27	8.10
CRMS 0163	87.69	82.44	150.43	102.68	120.97	36.06	57.27	62.60	63.69	55.58	67.87	169.62
CRMS 0162	130.32	113.35	247.70	145.73	179.80	66.37	80.79	81.99	79.14	73.20	86.69	252.43

V3PR9 HYST - cy 1 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.94	2.19	9.17	10.40	11.74	7.67	7.40	7.88	5.92	5.90	3.27	9.01
CRMS0276 - Just east of Wilkinson Canal	41.28	33.51	72.92	80.23	94.30	36.57	20.18	21.17	26.39	19.53	22.90	76.40
Barataria Waterway at Lafitte (USACE82875)	50.06	34.30	69.97	73.32	90.83	40.06	30.87	31.54	38.21	36.45	29.14	77.19
USGS2928590900040000 Barataria Waterway South of Lafitte	2.47	1.36	5.03	10.86	12.18	7.57	4.64	4.27	4.50	4.47	2.34	5.42
USGS7380251 Barataria Bay North of Grand Isle	11.66	8.25	14.57	12.29	9.54	7.06	7.05	7.28	9.02	10.63	7.99	13.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.55	6.92	13.24	19.41	15.06	8.93	6.85	8.42	6.94	6.72	6.49	9.13
USGS 07380335 - Little Lake Near Cutoff	18.70	10.80	20.46	30.18	25.49	11.96	7.97	9.64	7.56	7.54	9.30	18.15
USGS073802516 Barataria Pass at Grand Isle	12.50	8.32	17.05	26.69	25.78	14.95	10.30	12.02	7.46	8.48	7.19	13.94
HWQ14 - Lake Washington	8.14	6.12	11.24	12.11	8.11	5.82	4.19	4.21	4.97	6.96	6.05	6.95
HWQ16 - Bayou Grand Liard	40.06	22.68	66.04	64.24	73.90	29.63	16.44	16.84	15.54	11.58	15.53	60.86
CRMS 3985	22.32	15.96	27.11	11.19	6.62	4.53	3.16	3.43	11.12	13.78	13.99	25.08
CRMS 0258	5.41	2.04	36.34	29.50	34.89	20.37	21.48	21.48	7.73	7.12	3.60	31.21
CRMS 0224	7.02	5.22	10.67	22.30	23.23	14.69	8.22	9.13	10.15	8.70	4.32	7.29
CRMS 0163	82.64	77.18	147.64	102.74	126.27	37.59	55.09	58.76	63.15	54.91	63.74	163.02
CRMS 0162	127.01	110.52	244.77	143.86	179.81	65.89	80.22	81.89	78.99	75.30	82.99	247.92

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.00	0.05	0.15	-0.22	-0.20	-0.27	0.07	0.19	0.03	-0.05	0.11	0.36
CRMS0276 - Just east of Wilkinson Canal	-1.94	-2.71	-4.69	-2.77	-3.06	0.40	-0.91	0.79	-3.21	-0.76	-1.13	-10.68
Barataria Waterway at Lafitte (USACE82875)	-32.58	-34.72	-78.67	-31.90	-38.04	-10.84	-24.22	-28.36	-18.23	-19.62	-25.71	-76.79
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.11	-0.07	-0.15	-0.43	-0.61	-0.42	-0.19	-0.16	-0.14	-0.17	-0.11	0.39
USGS7380251 Barataria Bay North of Grand Isle	0.21	0.76	0.90	0.11	-0.09	0.04	0.11	0.19	0.31	0.22	1.64	0.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.67	-0.30	-1.03	-0.95	-0.65	-0.36	0.02	-0.11	-0.16	-0.31	0.36	-0.54
USGS 07380335 - Little Lake Near Cutoff	-0.30	-0.22	-0.96	-1.75	-1.45	-0.70	-0.06	-0.16	-0.70	-0.20	0.81	-0.45
USGS073802516 Barataria Pass at Grand Isle	-0.41	-0.13	-0.30	-0.57	-0.34	-0.31	-0.02	-0.39	-0.16	-0.25	0.00	-0.36
HWQ14 - Lake Washington	0.17	0.40	0.37	0.28	-0.04	-0.16	0.05	-0.05	0.24	0.40	0.80	0.31
HWQ16 - Bayou Grand Liard	-0.28	0.35	4.42	0.39	0.90	0.38	-0.34	-0.51	-0.45	0.80	0.08	1.32
CRMS 3985	-0.01	2.35	2.10	0.41	0.00	0.01	0.01	0.00	0.27	0.12	5.13	-0.64
CRMS 0258	-0.33	-0.22	0.20	-1.16	-1.89	-0.27	0.19	0.25	0.87	1.11	-0.01	-0.11
CRMS 0224	-0.48	-0.39	-1.32	-1.56	-2.14	-1.00	-0.47	-0.61	-0.35	-0.40	0.04	-0.81
CRMS 0163	-5.05	-5.26	-2.79	0.05	5.30	1.54	-2.18	-3.84	-0.54	-0.67	-4.13	-6.60
CRMS 0162	-3.31	-2.83	-2.93	-1.87	0.01	-0.48	-0.57	-0.10	-0.16	2.09	-3.70	-4.51

Figure WQ TSS 80 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.54	5.42	8.78	10.87	11.33	9.40	7.33	7.03	7.38	7.61	12.12	11.27
CRMS0276 - Just east of Wilkinson Canal	50.49	46.17	69.79	54.53	51.18	41.76	24.03	13.59	31.92	23.69	71.46	120.75
Barataria Waterway at Lafitte (USACE82875)	100.83	78.90	109.33	68.85	70.19	72.94	60.56	57.70	74.77	72.75	139.95	164.73
USGS2928590900040000 Barataria Waterway South of Lafitte	4.95	4.57	7.76	12.30	12.45	9.22	6.14	5.59	5.71	5.94	8.17	10.13
USGS7380251 Barataria Bay North of Grand Isle	8.05	7.83	9.40	9.43	8.26	7.47	6.76	11.30	13.43	12.45	11.82	12.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.30	8.97	14.76	15.48	11.44	7.96	7.47	7.06	7.77	7.84	12.01	19.95
USGS 07380335 - Little Lake Near Cutoff	21.81	14.30	23.24	22.86	16.67	10.22	9.55	6.42	8.60	8.60	18.16	36.92
USGS073802516 Barataria Pass at Grand Isle	14.54	10.51	17.96	20.14	16.66	12.01	11.34	8.80	7.98	9.19	13.24	26.38
HWQ14 - Lake Washington	4.93	5.21	8.69	8.99	7.02	5.50	4.35	4.75	7.18	7.60	7.53	8.99
HWQ16 - Bayou Grand Liard	43.59	27.78	53.09	40.15	30.98	21.42	16.76	12.86	12.39	11.37	39.92	82.70
CRMS 3985	13.47	13.33	9.67	7.24	5.50	4.74	4.22	16.30	18.40	16.56	17.04	16.81
CRMS 0258	17.59	18.04	22.90	24.28	26.69	28.71	12.92	7.51	10.59	14.13	27.89	28.35
CRMS 0224	11.19	10.21	15.91	21.39	19.49	14.66	10.30	9.29	11.76	10.57	11.85	21.77
CRMS 0163	116.55	97.98	118.71	73.16	64.94	72.06	62.27	67.34	84.65	94.65	186.49	173.81
CRMS 0162	144.07	113.18	154.59	86.96	71.62	85.72	81.10	64.60	61.68	85.20	192.94	215.41

V3PR2 HYST - cy 2 - 1985 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	203.22	168.25	215.48	144.23	127.01	116.89	90.47	96.34	107.85	152.87	296.67	274.45
CRMS0276 - Just east of Wilkinson Canal	54.74	42.89	59.46	51.64	47.78	37.43	22.37	15.70	33.50	24.82	67.30	106.21
Barataria Waterway at Lafitte (USACE82875)	102.81	81.52	112.81	70.89	70.95	73.69	61.55	60.42	77.53	75.65	142.65	168.82
USGS2928590900040000 Barataria Waterway South of Lafitte	140.00	97.38	148.89	92.03	79.89	65.78	37.86	33.70	30.74	56.83	185.34	204.94
USGS7380251 Barataria Bay North of Grand Isle	60.40	42.95	72.65	47.81	46.64	33.36	18.22	14.21	15.73	16.45	90.31	107.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	72.87	45.81	84.99	51.26	47.52	38.19	19.21	12.91	14.01	18.91	85.88	126.76
USGS 07380335 - Little Lake Near Cutoff	57.00	33.75	67.24	43.96	39.91	28.13	16.81	8.78	11.41	12.27	57.36	100.06
USGS073802516 Barataria Pass at Grand Isle	37.63	21.13	40.15	32.98	27.00	18.64	15.69	10.83	9.57	11.65	41.25	67.34
HWQ14 - Lake Washington	22.28	14.76	23.41	24.24	19.22	12.60	8.79	5.29	6.95	7.56	26.20	41.23
HWQ16 - Bayou Grand Liard	45.27	28.70	50.85	38.70	31.27	22.47	16.13	12.47	13.10	11.49	41.29	80.95
CRMS 3985	23.94	14.80	28.63	24.08	21.40	14.17	6.75	4.70	13.76	9.16	24.94	43.24
CRMS 0258	47.59	26.97	38.91	31.26	36.22	33.65	16.94	10.08	11.13	16.85	45.17	58.03
CRMS 0224	55.54	27.95	46.17	35.60	37.02	26.28	19.73	14.14	15.06	15.18	51.04	70.71
CRMS 0163	117.74	99.72	120.74	74.23	65.01	72.30	63.00	69.89	87.11	96.92	187.85	176.13
CRMS 0162	144.28	113.81	155.29	86.91	69.88	85.05	81.60	68.25	66.92	89.98	192.49	216.32

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	195.68	162.84	206.69	133.36	115.68	107.49	83.14	89.31	100.47	145.26	284.55	263.18
CRMS0276 - Just east of Wilkinson Canal	4.25	-3.28	-10.33	-2.89	-3.40	-4.34	-1.67	2.11	1.58	1.14	-4.15	-14.54
Barataria Waterway at Lafitte (USACE82875)	1.98	2.62	3.48	2.05	0.76	0.75	0.98	2.73	2.76	2.89	2.71	4.09
USGS2928590900040000 Barataria Waterway South of Lafitte	135.06	92.81	141.14	79.73	67.44	56.55	31.72	28.11	25.03	50.89	177.17	194.81
USGS7380251 Barataria Bay North of Grand Isle	52.35	35.12	63.26	38.39	38.39	25.89	11.45	2.91	2.30	4.00	78.49	94.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	60.57	36.84	70.23	35.78	36.08	30.22	11.74	5.85	6.24	11.06	73.86	106.81
USGS 07380335 - Little Lake Near Cutoff	35.18	19.45	44.00	21.11	23.24	17.91	7.26	2.36	2.81	3.67	39.20	63.15
USGS073802516 Barataria Pass at Grand Isle	23.09	10.62	22.20	12.84	10.34	6.63	4.35	2.03	1.59	2.47	28.01	40.95
HWQ14 - Lake Washington	17.35	9.54	14.72	15.26	12.20	7.10	4.44	0.54	-0.23	-0.04	18.67	32.24
HWQ16 - Bayou Grand Liard	1.68	0.92	-2.24	-1.45	0.29	1.05	-0.62	-0.38	0.71	0.12	1.37	-1.75
CRMS 3985	10.46	1.47	18.95	16.84	15.90	9.43	2.54	-11.60	-4.64	-7.41	7.89	26.43
CRMS 0258	30.00	8.93	16.00	6.98	9.53	4.93	4.02	2.57	0.54	2.73	17.28	29.69
CRMS 0224	44.35	17.74	30.26	14.21	17.52	11.62	9.43	4.86	3.29	4.61	39.20	48.94
CRMS 0163	1.20	1.73	2.02	1.07	0.07	0.24	0.73	2.55	2.46	2.27	1.36	2.31
CRMS 0162	0.21	0.63	0.70	-0.05	-1.74	-0.67	0.50	3.65	5.23	4.78	-0.45	0.91

Figure WQ TSS 81 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.91	6.53	8.30	10.57	11.63	8.58	7.19	7.03	6.87	6.45	4.04	9.69
CRMS0276 - Just east of Wilkinson Canal	45.54	72.00	60.54	57.83	56.52	31.44	18.08	15.35	22.13	18.45	35.79	65.45
Barataria Waterway at Lafitte (USACE82875)	87.14	111.02	91.72	76.82	72.82	52.10	61.48	60.30	59.65	53.44	84.72	134.75
USGS2928590900040000 Barataria Waterway South of Lafitte	3.93	5.39	7.65	11.93	13.39	8.46	5.54	5.38	5.36	5.25	2.95	5.86
USGS7380251 Barataria Bay North of Grand Isle	11.21	9.60	8.40	8.75	7.99	6.77	6.27	11.61	11.70	10.65	9.10	13.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.57	11.12	14.66	14.92	12.61	7.79	6.60	6.94	7.12	6.93	7.50	8.84
USGS 07380335 - Little Lake Near Cutoff	16.84	19.94	22.95	22.52	19.31	9.79	7.67	6.55	7.06	7.38	10.76	14.40
USGS073802516 Barataria Pass at Grand Isle	11.83	14.13	17.90	19.36	18.97	11.64	9.50	8.98	7.38	8.16	7.97	11.43
HWQ14 - Lake Washington	7.68	6.23	8.52	8.21	7.09	5.39	4.26	4.87	6.49	6.66	6.28	7.32
HWQ16 - Bayou Grand Liard	32.25	47.46	49.16	39.96	39.98	17.34	10.45	12.64	9.55	9.73	18.66	34.95
CRMS 3985	19.71	16.48	7.04	6.29	5.06	4.00	3.85	16.41	14.71	13.78	17.08	25.96
CRMS 0258	14.59	21.38	20.35	24.85	28.21	20.68	13.40	7.99	9.24	8.70	3.58	24.10
CRMS 0224	8.38	13.69	15.80	20.81	22.45	13.77	9.14	9.30	10.55	9.15	5.50	8.22
CRMS 0163	98.03	128.80	98.89	84.74	65.88	49.89	67.74	63.36	66.47	60.48	114.24	165.68
CRMS 0162	121.73	149.44	129.87	100.30	81.62	58.43	90.93	69.93	40.79	38.91	94.58	199.73

V3PR2 HYST - cy 2 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	154.75	219.89	187.00	163.86	135.56	75.04	98.64	85.46	87.15	95.74	147.82	254.11
CRMS0276 - Just east of Wilkinson Canal	43.33	64.77	52.10	54.42	53.11	30.22	18.02	17.19	23.15	19.56	34.84	59.99
Barataria Waterway at Lafitte (USACE82875)	88.20	114.06	94.17	78.91	74.43	53.02	63.31	62.38	61.59	57.71	88.19	137.27
USGS2928590900040000 Barataria Waterway South of Lafitte	81.30	153.20	126.72	107.78	86.45	33.56	38.31	34.24	27.73	30.31	18.79	123.49
USGS7380251 Barataria Bay North of Grand Isle	38.06	67.93	61.32	54.14	47.77	19.95	14.14	13.68	13.55	11.85	13.96	50.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.55	80.00	71.38	57.74	50.41	21.12	13.29	12.82	12.20	12.29	13.09	56.08
USGS 07380335 - Little Lake Near Cutoff	35.45	58.59	56.92	47.30	43.85	19.16	10.44	9.29	9.18	9.52	11.64	37.38
USGS073802516 Barataria Pass at Grand Isle	27.22	37.49	35.71	33.07	30.21	17.33	11.25	11.05	8.38	10.03	9.96	20.68
HWQ14 - Lake Washington	17.06	23.40	21.96	24.45	22.13	11.83	5.88	4.95	5.97	6.65	7.07	14.54
HWQ16 - Bayou Grand Liard	32.62	46.55	46.19	38.75	38.20	18.69	10.65	12.57	10.14	9.81	18.06	33.45
CRMS 3985	21.67	26.17	25.40	25.70	25.39	10.34	4.45	4.43	10.87	7.42	14.33	28.22
CRMS 0258	27.39	38.88	32.86	33.78	39.04	22.37	15.75	10.56	9.58	10.46	3.78	35.77
CRMS 0224	31.15	46.30	39.58	38.43	41.34	19.97	14.09	14.11	13.32	12.73	7.95	31.66
CRMS 0163	98.68	130.67	100.52	85.63	66.91	50.09	68.86	65.31	68.49	63.94	115.44	166.75
CRMS 0162	121.42	149.98	129.93	100.88	81.98	58.10	91.07	72.34	42.39	43.66	93.79	200.04

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	147.84	213.36	178.70	153.29	123.92	66.46	91.45	78.42	80.28	89.29	143.79	244.41
CRMS0276 - Just east of Wilkinson Canal	-2.21	-7.23	-8.44	-3.42	-3.41	-1.22	-0.07	1.84	1.01	1.11	-0.95	-5.46
Barataria Waterway at Lafitte (USACE82875)	1.06	3.05	2.45	2.09	1.61	0.92	1.83	2.08	1.94	4.26	3.47	2.52
USGS2928590900040000 Barataria Waterway South of Lafitte	77.37	147.82	119.07	95.85	73.05	25.10	32.77	28.86	22.37	25.06	15.84	117.63
USGS7380251 Barataria Bay North of Grand Isle	26.85	58.33	52.92	45.39	39.78	13.18	7.87	2.08	1.84	1.20	4.86	36.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	36.98	68.88	56.72	42.82	37.80	13.33	6.69	5.88	5.08	5.36	5.60	47.24
USGS 07380335 - Little Lake Near Cutoff	18.61	38.65	33.97	24.78	24.54	9.37	2.78	2.74	2.13	2.14	0.88	22.99
USGS073802516 Barataria Pass at Grand Isle	15.39	23.36	17.81	13.71	11.25	5.69	1.75	2.07	1.01	1.87	1.99	9.25
HWQ14 - Lake Washington	9.38	17.17	13.44	16.24	15.04	6.44	1.62	0.08	-0.53	-0.01	0.79	7.21
HWQ16 - Bayou Grand Liard	0.37	-0.90	-2.97	-1.21	-1.78	1.35	0.20	-0.06	0.59	0.09	-0.60	-1.50
CRMS 3985	1.97	9.69	18.35	19.41	20.33	6.34	0.60	-11.98	-3.84	-6.35	-2.74	2.26
CRMS 0258	12.80	17.50	12.51	8.93	10.83	1.69	2.35	2.57	0.34	1.76	0.20	11.67
CRMS 0224	22.78	32.61	23.78	17.63	18.89	6.19	4.95	4.81	2.77	3.58	2.45	23.44
CRMS 0163	0.65	1.87	1.63	0.89	1.03	0.20	1.12	1.95	2.02	3.46	1.20	1.07
CRMS 0162	-0.31	0.54	0.06	0.57	0.36	-0.33	0.14	2.41	1.60	4.75	-0.80	0.31

Figure WQ TSS 82 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.79	8.20	7.66	10.33	13.12	7.56	6.77	6.68	5.92	6.32	8.33	9.56
CRMS0276 - Just east of Wilkinson Canal	22.45	101.02	63.14	97.39	81.71	45.68	12.82	9.10	12.15	23.25	57.87	60.07
Barataria Waterway at Lafitte (USACE82875)	77.17	157.68	114.30	116.69	115.72	82.74	54.01	49.65	26.96	93.99	123.23	114.63
USGS2928590900040000 Barataria Waterway South of Lafitte	2.33	6.83	6.75	12.58	13.88	7.52	4.95	4.95	4.44	4.38	5.38	7.21
USGS7380251 Barataria Bay North of Grand Isle	10.12	13.78	11.64	10.98	11.78	8.15	14.09	12.51	9.22	13.48	10.84	13.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.74	12.19	12.44	17.57	13.47	8.49	7.43	7.26	5.89	6.33	10.35	10.87
USGS 07380335 - Little Lake Near Cutoff	9.05	23.55	17.26	29.03	20.73	11.66	7.10	6.40	5.54	6.52	15.32	17.00
USGS073802516 Barataria Pass at Grand Isle	7.03	16.20	14.56	23.33	19.38	13.39	8.73	8.28	6.31	7.17	11.44	13.38
HWQ14 - Lake Washington	6.34	7.61	10.60	10.11	9.01	6.33	8.03	7.22	5.78	7.61	7.59	7.95
HWQ16 - Bayou Grand Liard	14.70	58.12	34.23	61.49	43.52	27.30	11.55	11.32	8.80	11.31	32.28	34.90
CRMS 3985	20.41	24.44	17.66	11.10	13.34	9.32	20.45	14.58	8.91	20.10	17.37	24.04
CRMS 0258	5.27	26.09	17.16	33.54	36.48	13.58	6.58	5.99	5.76	5.20	18.26	19.41
CRMS 0224	4.79	15.52	12.21	27.29	23.66	15.58	8.04	8.04	7.78	6.93	8.82	10.57
CRMS 0163	107.60	180.65	142.35	115.90	117.99	80.99	54.58	48.10	28.65	118.62	164.20	135.05
CRMS 0162	114.30	187.51	140.42	111.11	123.16	96.47	59.38	36.48	21.41	91.76	158.58	162.80

V3PR2 HYST - cy 2 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	172.19	251.19	228.58	151.05	194.44	118.30	90.80	56.15	48.93	160.52	196.60	170.22
CRMS0276 - Just east of Wilkinson Canal	22.90	94.49	61.94	98.09	78.34	45.60	14.52	9.48	13.15	24.16	56.11	59.40
Barataria Waterway at Lafitte (USACE82875)	80.26	161.07	118.57	119.37	118.05	84.67	57.48	51.94	31.04	98.37	126.26	118.19
USGS2928590900040000 Barataria Waterway South of Lafitte	40.25	141.19	101.68	48.34	107.49	30.65	31.70	26.49	18.55	41.11	25.08	24.75
USGS7380251 Barataria Bay North of Grand Isle	18.11	71.29	50.09	42.09	62.92	17.51	12.73	11.93	10.08	16.06	20.40	18.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.44	77.29	53.34	45.86	63.37	18.34	12.59	10.79	8.64	14.33	19.41	17.73
USGS 07380335 - Little Lake Near Cutoff	11.20	59.57	37.70	48.15	48.15	17.45	10.18	7.56	6.23	9.67	18.37	19.13
USGS073802516 Barataria Pass at Grand Isle	9.22	43.27	27.62	38.59	30.65	17.35	10.48	8.83	6.58	9.76	15.21	15.08
HWQ14 - Lake Washington	7.98	25.98	17.85	26.66	20.47	10.07	5.53	4.54	4.84	8.17	10.65	9.87
HWQ16 - Bayou Grand Liard	15.36	59.07	36.31	62.20	42.93	28.37	12.39	11.61	8.12	10.36	31.20	34.26
CRMS 3985	20.56	31.09	16.71	25.29	24.71	8.75	4.33	6.91	6.09	16.41	20.60	22.90
CRMS 0258	7.71	37.90	21.42	34.30	43.71	13.96	8.87	8.62	7.01	9.36	20.48	21.03
CRMS 0224	8.80	42.31	25.31	35.07	42.42	19.33	12.59	11.94	9.76	12.61	13.09	13.52
CRMS 0163	109.07	182.63	142.59	117.16	118.21	82.12	57.21	49.79	33.51	121.46	164.53	137.06
CRMS 0162	115.27	186.21	143.35	112.03	121.72	98.71	64.38	37.86	22.41	102.40	158.18	164.19

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	168.40	242.99	220.92	140.72	181.32	110.74	84.03	49.47	43.00	154.21	188.27	160.66
CRMS0276 - Just east of Wilkinson Canal	0.45	-6.52	-1.20	0.71	-3.37	-0.07	1.70	0.38	1.01	0.91	-1.76	-0.66
Barataria Waterway at Lafitte (USACE82875)	3.09	3.39	4.27	2.68	2.33	1.93	3.47	2.29	4.08	4.38	3.03	3.56
USGS2928590900040000 Barataria Waterway South of Lafitte	37.92	134.36	94.94	35.76	93.60	23.13	26.75	21.54	14.11	36.73	19.70	17.54
USGS7380251 Barataria Bay North of Grand Isle	7.99	57.50	38.44	31.11	51.15	9.36	-1.36	-0.59	0.86	2.58	9.56	4.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.70	65.11	40.89	28.29	49.91	9.84	5.17	3.53	2.75	8.00	9.06	6.86
USGS 07380335 - Little Lake Near Cutoff	2.15	36.02	20.44	19.13	27.42	5.80	3.08	1.16	0.69	3.15	3.05	2.13
USGS073802516 Barataria Pass at Grand Isle	2.19	27.07	13.06	15.26	11.27	3.96	1.75	0.55	0.27	2.58	3.77	1.69
HWQ14 - Lake Washington	1.64	18.38	7.25	16.55	11.46	3.74	-2.50	-2.68	-0.94	0.57	3.06	1.93
HWQ16 - Bayou Grand Liard	0.66	0.96	2.08	0.72	-0.58	1.07	0.84	0.29	-0.68	-0.95	-1.08	-0.64
CRMS 3985	0.15	6.65	-0.95	14.19	11.37	-0.57	-16.12	-7.68	-2.82	-3.69	3.23	-1.14
CRMS 0258	2.43	11.81	4.26	0.76	7.23	0.37	2.29	2.63	1.25	4.16	2.22	1.63
CRMS 0224	4.01	26.79	13.09	7.78	18.76	3.75	4.55	3.91	1.99	5.68	4.27	2.96
CRMS 0163	1.47	1.97	0.24	1.27	0.22	1.13	2.64	1.69	4.86	2.84	0.33	2.01
CRMS 0162	0.97	-1.30	2.93	0.92	-1.45	2.24	5.00	1.38	1.00	10.64	-0.39	1.39

Figure WQ TSS 83 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.10	4.99	7.06	10.39	11.93	9.73	9.31	10.16	8.78	7.75	4.51	6.32
CRMS0276 - Just east of Wilkinson Canal	27.83	63.43	38.10	63.71	66.14	53.43	33.86	31.85	39.61	27.78	26.26	31.68
Barataria Waterway at Lafitte (USACE82875)	66.63	92.61	59.41	78.88	91.80	74.22	76.29	73.57	70.56	73.77	57.25	87.24
USGS2928590900040000 Barataria Waterway South of Lafitte	2.71	4.40	6.59	11.67	13.20	10.16	6.40	7.16	7.89	6.69	3.59	3.62
USGS7380251 Barataria Bay North of Grand Isle	7.96	6.79	6.38	8.75	8.48	7.39	7.57	9.39	12.49	11.96	8.19	9.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.36	9.20	11.13	14.14	11.79	8.98	7.91	8.99	8.64	8.34	7.30	5.88
USGS 07380335 - Little Lake Near Cutoff	9.72	17.38	16.49	22.35	17.94	12.68	10.95	11.31	10.55	9.88	9.63	7.96
USGS073802516 Barataria Pass at Grand Isle	7.16	12.37	13.37	18.48	17.03	14.96	13.10	13.19	9.12	9.95	8.10	7.15
HWQ14 - Lake Washington	5.38	4.49	6.82	7.73	6.84	5.60	4.37	4.62	6.55	7.23	6.16	5.45
HWQ16 - Bayou Grand Liard	20.60	43.58	28.41	41.00	36.19	33.13	25.65	21.81	17.53	12.68	15.23	17.21
CRMS 3985	13.29	11.03	4.80	6.61	5.60	4.80	3.69	10.36	15.71	16.27	13.00	19.08
CRMS 0258	9.86	15.83	16.13	25.32	29.91	29.61	26.50	26.87	17.68	11.59	3.72	8.11
CRMS 0224	4.85	11.39	12.45	21.23	20.74	18.50	11.27	12.10	15.11	11.94	6.25	4.24
CRMS 0163	83.84	104.47	71.18	81.01	94.96	70.75	76.21	86.62	79.95	83.13	68.18	110.53
CRMS 0162	98.31	122.91	84.30	89.63	99.29	86.41	113.38	104.45	77.17	75.85	53.62	129.70

V3PR2 HYST - cy 2 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	153.75	179.92	145.24	146.78	174.56	139.07	150.68	128.83	102.73	113.14	92.93	149.96
CRMS0276 - Just east of Wilkinson Canal	29.49	57.50	34.25	61.58	60.54	46.57	29.91	31.56	41.76	28.75	24.71	30.96
Barataria Waterway at Lafitte (USACE82875)	67.63	95.69	60.00	80.69	92.73	74.86	76.24	74.13	73.22	77.23	59.14	90.08
USGS2928590900040000 Barataria Waterway South of Lafitte	98.47	121.95	89.73	94.76	117.73	95.16	105.74	68.06	28.97	35.74	14.34	21.75
USGS7380251 Barataria Bay North of Grand Isle	38.36	58.08	40.07	52.49	63.27	47.96	49.62	38.00	15.90	13.29	10.39	12.65
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.01	65.20	45.71	54.91	62.06	54.87	60.67	44.13	16.39	14.87	10.81	11.54
USGS 07380335 - Little Lake Near Cutoff	29.03	48.69	33.41	47.17	48.81	42.89	44.85	31.99	15.33	12.77	10.13	9.58
USGS073802516 Barataria Pass at Grand Isle	19.65	33.93	22.77	33.73	30.70	25.68	26.32	24.35	13.74	12.52	8.96	8.23
HWQ14 - Lake Washington	13.08	21.52	14.41	25.33	21.70	18.79	15.17	12.34	7.68	7.46	6.20	6.14
HWQ16 - Bayou Grand Liard	20.76	42.34	27.20	41.13	35.60	32.98	25.51	22.50	20.05	13.24	14.04	16.75
CRMS 3985	15.76	21.60	14.36	25.58	27.95	22.39	19.56	15.07	7.10	8.41	9.98	18.12
CRMS 0258	24.20	28.84	20.71	33.80	42.81	41.00	48.59	40.48	19.01	13.77	4.00	8.88
CRMS 0224	28.69	35.88	23.52	37.56	43.54	40.57	48.79	36.22	19.57	15.98	7.60	7.17
CRMS 0163	84.30	105.97	71.36	81.45	95.98	71.23	76.40	87.92	82.67	85.72	69.49	111.70
CRMS 0162	98.55	123.12	84.33	90.12	99.10	85.91	112.19	105.04	81.87	82.75	54.32	132.09

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	148.64	174.93	138.18	136.39	162.63	129.34	141.37	118.67	93.95	105.39	88.42	143.64
CRMS0276 - Just east of Wilkinson Canal	1.66	-5.93	-3.86	-2.14	-5.60	-6.86	-3.95	-0.29	2.15	0.97	-1.55	-0.72
Barataria Waterway at Lafitte (USACE82875)	1.01	3.08	0.59	1.81	0.93	0.64	-0.05	0.56	2.66	3.46	1.89	2.84
USGS2928590900040000 Barataria Waterway South of Lafitte	95.75	117.55	83.13	83.09	104.53	85.00	99.34	60.90	21.07	29.05	10.75	18.14
USGS7380251 Barataria Bay North of Grand Isle	30.40	51.29	33.69	43.74	54.78	40.56	42.05	28.61	3.41	1.33	2.20	2.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	36.65	56.00	34.58	40.77	50.27	45.89	52.76	35.14	7.75	6.53	3.51	5.66
USGS 07380335 - Little Lake Near Cutoff	19.32	31.31	16.91	24.82	30.87	30.20	33.90	20.68	4.78	2.89	0.50	1.63
USGS073802516 Barataria Pass at Grand Isle	12.49	21.56	9.40	15.25	13.67	10.73	13.22	11.16	4.63	2.57	0.86	1.07
HWQ14 - Lake Washington	7.70	17.03	7.59	17.59	14.87	13.19	10.80	7.72	1.13	0.23	0.04	0.70
HWQ16 - Bayou Grand Liard	0.16	-1.23	-1.21	0.13	-0.58	-0.15	-0.15	0.69	2.52	0.56	-1.20	-0.46
CRMS 3985	2.47	10.57	9.56	18.97	22.34	17.59	15.87	4.71	-8.62	-7.86	-3.02	-0.96
CRMS 0258	14.34	13.01	4.58	8.48	12.90	11.39	22.09	13.60	1.33	2.19	0.27	0.76
CRMS 0224	23.84	24.49	11.06	16.34	22.80	22.07	37.51	24.12	4.46	4.05	1.36	2.92
CRMS 0163	0.46	1.50	0.17	0.44	1.02	0.48	0.19	1.30	2.73	2.59	1.30	1.17
CRMS 0162	0.24	0.21	0.03	0.49	-0.19	-0.50	-1.19	0.59	4.70	6.91	0.70	2.39

Figure WQ TSS 84 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.00	2.56	11.17	13.99	15.34	10.14	8.55	8.79	7.03	6.96	4.09	8.93
CRMS0276 - Just east of Wilkinson Canal	48.14	35.76	89.13	92.85	105.54	38.87	22.52	23.15	31.12	22.71	25.55	96.58
Barataria Waterway at Lafitte (USACE82875)	93.35	79.68	167.46	118.32	140.07	52.45	56.90	59.68	59.01	58.38	58.81	173.51
USGS2928590900040000 Barataria Waterway South of Lafitte	2.64	1.85	7.05	16.31	18.07	10.71	5.84	5.67	5.79	5.83	3.16	6.74
USGS7380251 Barataria Bay North of Grand Isle	6.08	7.90	15.61	13.31	10.37	7.50	7.12	7.44	9.05	10.47	7.45	6.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.55	7.31	15.28	22.57	17.30	10.38	7.05	8.35	7.21	7.37	6.68	10.04
USGS 07380335 - Little Lake Near Cutoff	20.13	11.44	22.64	34.90	28.85	14.18	8.58	9.36	8.48	8.43	9.14	20.03
USGS073802516 Barataria Pass at Grand Isle	12.54	8.44	17.82	29.29	27.11	16.27	10.92	11.52	7.63	8.90	7.31	14.89
HWQ14 - Lake Washington	3.05	5.25	11.99	12.74	8.90	6.61	4.40	4.55	4.79	6.26	5.54	4.67
HWQ16 - Bayou Grand Liard	38.24	20.39	60.63	64.75	71.62	29.83	15.44	14.89	13.24	10.96	14.91	56.74
CRMS 3985	13.08	15.79	27.70	11.85	7.35	4.90	3.34	3.72	11.40	13.81	11.63	4.75
CRMS 0258	7.42	4.44	34.24	34.91	43.01	24.68	21.04	21.02	11.54	10.65	4.35	28.97
CRMS 0224	9.30	7.36	13.91	31.42	33.08	19.42	10.06	11.06	12.86	10.97	5.33	10.65
CRMS 0163	105.06	98.40	191.35	125.03	142.86	40.72	58.00	68.15	66.12	59.46	82.34	206.63
CRMS 0162	128.66	102.43	237.41	136.94	167.00	60.03	78.15	78.51	53.78	37.27	65.13	249.63

V3PR2 HYST - cy 2 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	142.56	133.83	338.72	216.13	240.26	102.21	110.03	87.33	85.27	82.77	128.53	330.83
CRMS0276 - Just east of Wilkinson Canal	49.89	36.03	76.46	90.11	100.47	35.28	22.17	24.31	31.69	22.95	24.86	80.95
Barataria Waterway at Lafitte (USACE82875)	95.46	83.02	172.21	120.40	144.25	53.24	56.75	60.63	61.13	60.93	60.45	174.35
USGS2928590900040000 Barataria Waterway South of Lafitte	32.43	19.63	237.98	150.37	170.70	61.59	74.52	35.61	26.53	31.36	26.05	241.93
USGS7380251 Barataria Bay North of Grand Isle	23.96	12.88	109.46	79.79	90.78	34.19	37.93	20.26	13.62	12.10	13.84	106.95
USGS73802515 Hackberry Bay Northwest of Grand Isle	31.80	12.59	131.90	81.49	95.61	36.52	43.97	19.24	13.38	13.17	10.90	130.82
USGS 07380335 - Little Lake Near Cutoff	34.78	13.36	97.19	67.30	78.21	31.57	32.07	15.36	11.58	11.02	9.52	89.24
USGS073802516 Barataria Pass at Grand Isle	26.99	10.27	52.88	47.64	48.03	22.25	20.07	16.66	10.71	11.28	8.49	54.00
HWQ14 - Lake Washington	16.93	7.60	30.57	36.20	34.51	16.85	11.86	7.92	6.17	6.79	6.01	28.83
HWQ16 - Bayou Grand Liard	40.28	20.81	59.63	62.45	66.45	28.07	16.59	15.05	14.31	11.07	14.16	54.51
CRMS 3985	22.80	16.32	45.71	38.22	43.73	18.36	14.49	7.07	6.51	7.52	11.14	39.83
CRMS 0258	16.24	4.81	59.23	45.36	62.57	32.69	38.23	26.52	12.54	12.67	4.80	58.85
CRMS 0224	26.37	9.16	64.99	52.19	66.23	33.18	38.04	20.60	16.00	14.40	6.77	64.80
CRMS 0163	106.12	100.47	193.31	126.34	145.60	41.12	58.43	69.31	68.22	61.94	82.58	206.27
CRMS 0162	129.16	106.21	237.30	137.15	168.86	60.27	77.60	78.56	61.29	40.95	65.93	247.04

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	139.56	131.27	327.55	202.13	224.92	92.06	101.48	78.55	78.24	75.81	124.44	321.90
CRMS0276 - Just east of Wilkinson Canal	1.75	0.27	-12.66	-2.74	-5.07	-3.59	-0.35	1.16	0.57	0.24	-0.70	-15.63
Barataria Waterway at Lafitte (USACE82875)	2.11	3.34	4.75	2.08	4.18	0.79	-0.14	0.95	2.12	2.55	1.64	0.84
USGS2928590900040000 Barataria Waterway South of Lafitte	29.79	17.78	230.92	134.06	152.63	50.89	68.68	29.93	20.74	25.54	22.90	235.19
USGS7380251 Barataria Bay North of Grand Isle	17.88	4.98	93.85	66.48	80.41	26.68	30.81	12.82	4.58	1.63	6.39	100.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.25	5.28	116.62	58.91	78.32	26.14	36.92	10.89	6.17	5.80	4.22	120.78
USGS 07380335 - Little Lake Near Cutoff	14.64	1.92	74.55	32.40	49.37	17.39	23.49	6.00	3.10	2.59	0.38	69.21
USGS073802516 Barataria Pass at Grand Isle	14.45	1.83	35.06	18.35	20.92	5.98	9.15	5.14	3.08	2.38	1.18	39.12
HWQ14 - Lake Washington	13.89	2.34	18.58	23.46	25.61	10.24	7.45	3.37	1.38	0.53	0.47	24.17
HWQ16 - Bayou Grand Liard	2.04	0.42	-1.00	-2.30	-5.17	-1.77	1.15	0.16	1.07	0.11	-0.75	-2.23
CRMS 3985	9.72	0.53	18.01	26.36	36.38	13.46	11.16	3.35	-4.89	-6.29	-0.49	35.08
CRMS 0258	8.82	0.37	25.00	10.45	19.55	8.01	17.19	5.51	1.01	2.02	0.45	29.88
CRMS 0224	17.08	1.80	51.08	20.77	33.14	13.76	27.98	9.54	3.15	3.43	1.45	54.14
CRMS 0163	1.07	2.07	1.96	1.32	2.74	0.40	0.43	1.16	2.10	2.48	0.24	-0.37
CRMS 0162	0.50	3.77	-0.10	0.21	1.85	0.24	-0.55	0.05	7.51	3.68	0.80	-2.58

Figure WQ TSS 85 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.54	5.42	8.78	10.87	11.33	9.40	7.33	7.03	7.38	7.61	12.12	11.27
CRMS0276 - Just east of Wilkinson Canal	50.49	46.17	69.79	54.53	51.18	41.76	24.03	13.59	31.92	23.69	71.46	120.75
Barataria Waterway at Lafitte (USACE82875)	100.83	78.90	109.33	68.85	70.19	72.94	60.56	57.70	74.77	72.75	139.95	164.73
USGS2928590900040000 Barataria Waterway South of Lafitte	4.95	4.57	7.76	12.30	12.45	9.22	6.14	5.59	5.71	5.94	8.17	10.13
USGS7380251 Barataria Bay North of Grand Isle	8.05	7.83	9.40	9.43	8.26	7.47	6.76	11.30	13.43	12.45	11.82	12.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.30	8.97	14.76	15.48	11.44	7.96	7.47	7.06	7.77	7.84	12.01	19.95
USGS 07380335 - Little Lake Near Cutoff	21.81	14.30	23.24	22.86	16.67	10.22	9.55	6.42	8.60	8.60	18.16	36.92
USGS073802516 Barataria Pass at Grand Isle	14.54	10.51	17.96	20.14	16.66	12.01	11.34	8.80	7.98	9.19	13.24	26.38
HWQ14 - Lake Washington	4.93	5.21	8.69	8.99	7.02	5.50	4.35	4.75	7.18	7.60	7.53	8.99
HWQ16 - Bayou Grand Liard	43.59	27.78	53.09	40.15	30.98	21.42	16.76	12.86	12.39	11.37	39.92	82.70
CRMS 3985	13.47	13.33	9.67	7.24	5.50	4.74	4.22	16.30	18.40	16.56	17.04	16.81
CRMS 0258	17.59	18.04	22.90	24.28	26.69	28.71	12.92	7.51	10.59	14.13	27.89	28.35
CRMS 0224	11.19	10.21	15.91	21.39	19.49	14.66	10.30	9.29	11.76	10.57	11.85	21.77
CRMS 0163	116.55	97.98	118.71	73.16	64.94	72.06	62.27	67.34	84.65	94.65	186.49	173.81
CRMS 0162	144.07	113.18	154.59	86.96	71.62	85.72	81.10	64.60	61.68	85.20	192.94	215.41

V3PR3 HYST - cy 2 - 1985 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	203.18	168.47	215.29	144.09	126.96	117.39	90.75	96.68	108.27	153.04	296.56	274.26
CRMS0276 - Just east of Wilkinson Canal	54.51	42.62	59.64	51.57	47.45	37.67	22.40	15.39	33.58	25.10	66.70	106.31
Barataria Waterway at Lafitte (USACE82875)	102.30	81.42	111.97	70.69	70.70	73.29	61.51	59.95	77.44	75.80	141.90	168.46
USGS2928590900040000 Barataria Waterway South of Lafitte	136.13	95.71	143.42	87.21	76.47	65.15	41.71	37.41	32.32	58.78	185.19	197.60
USGS7380251 Barataria Bay North of Grand Isle	60.62	43.06	72.53	47.73	46.49	32.91	17.87	13.61	15.35	16.16	89.47	107.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	72.57	45.27	84.35	51.03	47.15	37.76	19.07	12.73	13.99	18.62	85.14	125.83
USGS 07380335 - Little Lake Near Cutoff	56.58	33.46	66.47	43.78	39.70	27.86	16.74	8.79	11.49	12.25	57.06	99.68
USGS073802516 Barataria Pass at Grand Isle	37.58	20.97	39.76	33.04	26.90	18.52	15.62	10.76	9.57	11.65	40.73	66.76
HWQ14 - Lake Washington	22.37	14.63	23.20	24.25	19.08	12.47	8.71	5.26	6.84	7.53	25.74	41.30
HWQ16 - Bayou Grand Liard	45.40	28.40	50.27	38.82	30.98	22.25	16.37	12.57	13.11	11.67	40.52	80.52
CRMS 3985	23.71	14.87	28.84	24.44	21.59	14.25	6.72	4.60	13.61	9.11	24.76	43.42
CRMS 0258	47.98	27.21	39.50	31.35	36.52	33.99	17.33	10.41	11.14	16.97	46.23	58.66
CRMS 0224	55.48	27.67	46.37	35.37	37.14	26.32	19.83	14.18	15.13	15.34	51.56	70.34
CRMS 0163	117.46	99.57	120.29	73.96	64.99	72.04	62.78	69.36	86.93	97.05	187.68	175.84
CRMS 0162	144.04	113.78	155.31	86.67	69.80	85.49	81.15	67.17	64.36	88.74	191.92	215.69

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	195.64	163.05	206.51	133.22	115.63	107.98	83.42	89.65	100.89	145.43	284.44	262.99
CRMS0276 - Just east of Wilkinson Canal	4.01	-3.55	-10.15	-2.96	-3.73	-4.09	-1.63	1.80	1.66	1.42	-4.76	-14.44
Barataria Waterway at Lafitte (USACE82875)	1.47	2.52	2.64	1.84	0.52	0.35	0.95	2.25	2.67	3.05	1.96	3.73
USGS2928590900040000 Barataria Waterway South of Lafitte	131.19	91.15	135.66	74.91	64.02	55.93	35.57	31.82	26.61	52.84	177.01	187.48
USGS7380251 Barataria Bay North of Grand Isle	52.57	35.23	63.13	38.31	38.23	25.44	11.11	2.31	1.92	3.71	77.65	94.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	60.27	36.29	69.59	35.54	35.71	29.80	11.60	5.66	6.22	10.78	73.13	105.88
USGS 07380335 - Little Lake Near Cutoff	34.77	19.16	43.23	20.93	23.03	17.64	7.19	2.37	2.89	3.65	38.90	62.76
USGS073802516 Barataria Pass at Grand Isle	23.04	10.46	21.80	12.90	10.24	6.51	4.28	1.97	1.59	2.46	27.49	40.38
HWQ14 - Lake Washington	17.45	9.42	14.50	15.26	12.06	6.97	4.35	0.51	-0.34	-0.07	18.21	32.31
HWQ16 - Bayou Grand Liard	1.81	0.62	-2.82	-1.33	0.00	0.83	-0.39	-0.29	0.72	0.29	0.60	-2.17
CRMS 3985	10.24	1.54	19.17	17.20	16.09	9.52	2.51	-11.70	-4.79	-7.46	7.72	26.61
CRMS 0258	30.39	9.17	16.59	7.07	9.83	5.27	4.41	2.90	0.55	2.84	18.34	30.31
CRMS 0224	44.29	17.47	30.46	13.98	17.65	11.66	9.53	4.89	3.36	4.77	39.71	48.57
CRMS 0163	0.91	1.59	1.58	0.80	0.05	-0.02	0.52	2.02	2.28	2.40	1.19	2.03
CRMS 0162	-0.04	0.60	0.73	-0.29	-1.82	-0.24	0.05	2.57	2.68	3.54	-1.01	0.28

Figure WQ TSS 86 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.91	6.53	8.30	10.57	11.63	8.58	7.19	7.03	6.87	6.45	4.04	9.69
CRMS0276 - Just east of Wilkinson Canal	45.54	72.00	60.54	57.83	56.52	31.44	18.08	15.35	22.13	18.45	35.79	65.45
Barataria Waterway at Lafitte (USACE82875)	87.14	111.02	91.72	76.82	72.82	52.10	61.48	60.30	59.65	53.44	84.72	134.75
USGS2928590900040000 Barataria Waterway South of Lafitte	3.93	5.39	7.65	11.93	13.39	8.46	5.54	5.38	5.36	5.25	2.95	5.86
USGS7380251 Barataria Bay North of Grand Isle	11.21	9.60	8.40	8.75	7.99	6.77	6.27	11.61	11.70	10.65	9.10	13.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.57	11.12	14.66	14.92	12.61	7.79	6.60	6.94	7.12	6.93	7.50	8.84
USGS 07380335 - Little Lake Near Cutoff	16.84	19.94	22.95	22.52	19.31	9.79	7.67	6.55	7.06	7.38	10.76	14.40
USGS073802516 Barataria Pass at Grand Isle	11.83	14.13	17.90	19.36	18.97	11.64	9.50	8.98	7.38	8.16	7.97	11.43
HWQ14 - Lake Washington	7.68	6.23	8.52	8.21	7.09	5.39	4.26	4.87	6.49	6.66	6.28	7.32
HWQ16 - Bayou Grand Liard	32.25	47.46	49.16	39.96	39.98	17.34	10.45	12.64	9.55	9.73	18.66	34.95
CRMS 3985	19.71	16.48	7.04	6.29	5.06	4.00	3.85	16.41	14.71	13.78	17.08	25.96
CRMS 0258	14.59	21.38	20.35	24.85	28.21	20.68	13.40	7.99	9.24	8.70	3.58	24.10
CRMS 0224	8.38	13.69	15.80	20.81	22.45	13.77	9.14	9.30	10.55	9.15	5.50	8.22
CRMS 0163	98.03	128.80	98.89	84.74	65.88	49.89	67.74	63.36	66.47	60.48	114.24	165.68
CRMS 0162	121.73	149.44	129.87	100.30	81.62	58.43	90.93	69.93	40.79	38.91	94.58	199.73

V3PR3 HYST - cy 2 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	154.98	219.45	186.82	163.73	135.47	75.52	98.96	85.93	87.20	94.89	149.29	254.43
CRMS0276 - Just east of Wilkinson Canal	42.83	64.28	51.86	54.22	52.97	30.36	17.45	16.77	23.13	18.83	34.65	59.77
Barataria Waterway at Lafitte (USACE82875)	87.79	113.32	93.78	78.71	74.43	52.73	62.82	62.29	61.72	56.22	87.90	137.52
USGS2928590900040000 Barataria Waterway South of Lafitte	82.54	147.65	121.36	102.46	80.85	34.21	42.37	37.11	28.62	33.73	22.01	125.46
USGS7380251 Barataria Bay North of Grand Isle	38.07	67.56	61.16	53.78	47.76	19.79	13.77	13.26	13.27	12.09	14.27	50.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.07	79.53	71.03	57.46	50.39	21.25	13.17	12.72	12.13	12.37	12.94	55.26
USGS 07380335 - Little Lake Near Cutoff	35.33	58.29	56.96	47.19	43.89	19.19	10.37	9.11	9.21	9.39	11.52	36.93
USGS073802516 Barataria Pass at Grand Isle	27.02	37.31	35.55	33.26	30.24	17.33	11.20	10.88	8.32	9.96	10.02	20.36
HWQ14 - Lake Washington	17.02	23.35	21.82	24.38	22.23	11.86	5.85	4.91	5.85	6.84	7.50	14.36
HWQ16 - Bayou Grand Liard	32.60	45.68	46.17	38.58	38.21	18.56	10.31	12.47	10.18	9.49	17.73	33.13
CRMS 3985	21.76	26.51	25.69	26.00	25.55	10.40	4.41	4.28	10.68	10.61	14.97	28.33
CRMS 0258	27.82	39.40	33.30	34.21	39.23	22.54	16.06	10.83	9.75	10.82	3.82	36.07
CRMS 0224	31.36	46.43	39.36	38.32	41.23	20.04	14.21	14.14	13.37	12.92	8.04	31.65
CRMS 0163	98.25	130.46	100.17	85.34	67.00	50.10	68.65	65.20	68.50	62.77	115.93	166.74
CRMS 0162	121.24	149.35	128.66	100.05	81.19	57.69	91.01	72.08	41.41	41.28	94.61	200.29

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	148.07	212.92	178.51	153.15	123.83	66.94	91.77	78.89	80.33	88.44	145.25	244.74
CRMS0276 - Just east of Wilkinson Canal	-2.71	-7.72	-8.68	-3.61	-3.54	-1.08	-0.63	1.43	0.99	0.38	-1.14	-5.68
Barataria Waterway at Lafitte (USACE82875)	0.65	2.30	2.06	1.89	1.61	0.63	1.35	1.99	2.08	2.78	3.17	2.77
USGS2928590900040000 Barataria Waterway South of Lafitte	78.62	142.26	113.72	90.53	67.45	25.75	36.83	31.73	23.26	28.47	19.07	119.60
USGS7380251 Barataria Bay North of Grand Isle	26.86	57.96	52.75	45.04	39.77	13.02	7.50	1.66	1.57	1.44	5.17	36.52
USGS73802515 Hackberry Bay Northwest of Grand Isle	36.50	68.41	56.38	42.54	37.77	13.46	6.58	5.78	5.00	5.44	5.44	46.42
USGS 07380335 - Little Lake Near Cutoff	18.49	38.35	34.01	24.67	24.57	9.41	2.70	2.55	2.15	2.01	0.76	22.53
USGS073802516 Barataria Pass at Grand Isle	15.19	23.18	17.65	13.90	11.27	5.70	1.70	1.90	0.95	1.79	2.05	8.93
HWQ14 - Lake Washington	9.34	17.11	13.29	16.17	15.14	6.46	1.59	0.04	-0.64	0.18	1.22	7.04
HWQ16 - Bayou Grand Liard	0.35	-1.77	-2.99	-1.38	-1.77	1.21	-0.14	-0.16	0.63	-0.24	-0.93	-1.82
CRMS 3985	2.05	10.03	18.64	19.71	20.49	6.40	0.56	-12.13	-4.03	-3.16	-2.11	2.36
CRMS 0258	13.23	18.02	12.95	9.36	11.02	1.86	2.66	2.84	0.51	2.12	0.24	11.97
CRMS 0224	22.99	32.74	23.57	17.52	18.78	6.26	5.06	4.84	2.82	3.76	2.53	23.43
CRMS 0163	0.22	1.66	1.28	0.60	1.12	0.21	0.91	1.84	2.02	2.29	1.69	1.06
CRMS 0162	-0.49	-0.09	-1.21	-0.25	-0.43	-0.74	0.08	2.15	0.62	2.38	0.02	0.56

Figure WQ TSS 87 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.79	8.20	7.66	10.33	13.12	7.56	6.77	6.68	5.92	6.32	8.33	9.56
CRMS0276 - Just east of Wilkinson Canal	22.45	101.02	63.14	97.39	81.71	45.68	12.82	9.10	12.15	23.25	57.87	60.07
Barataria Waterway at Lafitte (USACE82875)	77.17	157.68	114.30	116.69	115.72	82.74	54.01	49.65	26.96	93.99	123.23	114.63
USGS2928590900040000 Barataria Waterway South of Lafitte	2.33	6.83	6.75	12.58	13.88	7.52	4.95	4.95	4.44	4.38	5.38	7.21
USGS7380251 Barataria Bay North of Grand Isle	10.12	13.78	11.64	10.98	11.78	8.15	14.09	12.51	9.22	13.48	10.84	13.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.74	12.19	12.44	17.57	13.47	8.49	7.43	7.26	5.89	6.33	10.35	10.87
USGS 07380335 - Little Lake Near Cutoff	9.05	23.55	17.26	29.03	20.73	11.66	7.10	6.40	5.54	6.52	15.32	17.00
USGS073802516 Barataria Pass at Grand Isle	7.03	16.20	14.56	23.33	19.38	13.39	8.73	8.28	6.31	7.17	11.44	13.38
HWQ14 - Lake Washington	6.34	7.61	10.60	10.11	9.01	6.33	8.03	7.22	5.78	7.61	7.59	7.95
HWQ16 - Bayou Grand Liard	14.70	58.12	34.23	61.49	43.52	27.30	11.55	11.32	8.80	11.31	32.28	34.90
CRMS 3985	20.41	24.44	17.66	11.10	13.34	9.32	20.45	14.58	8.91	20.10	17.37	24.04
CRMS 0258	5.27	26.09	17.16	33.54	36.48	13.58	6.58	5.99	5.76	5.20	18.26	19.41
CRMS 0224	4.79	15.52	12.21	27.29	23.66	15.58	8.04	8.04	7.78	6.93	8.82	10.57
CRMS 0163	107.60	180.65	142.35	115.90	117.99	80.99	54.58	48.10	28.65	118.62	164.20	135.05
CRMS 0162	114.30	187.51	140.42	111.11	123.16	96.47	59.38	36.48	21.41	91.76	158.58	162.80

V3PR3 HYST - cy 2 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	172.60	251.18	228.80	151.57	194.52	118.67	91.04	56.39	49.01	161.48	198.29	170.51
CRMS0276 - Just east of Wilkinson Canal	22.68	94.13	61.72	98.50	78.59	44.85	14.13	9.48	12.85	23.88	55.95	59.51
Barataria Waterway at Lafitte (USACE82875)	79.64	160.34	119.02	119.48	117.82	84.40	57.51	51.99	30.13	97.96	125.70	118.17
USGS2928590900040000 Barataria Waterway South of Lafitte	45.94	142.85	104.11	51.23	109.02	34.24	37.08	29.95	19.03	45.43	30.22	31.14
USGS7380251 Barataria Bay North of Grand Isle	17.74	71.24	49.03	41.65	62.43	17.03	12.16	11.47	9.90	15.78	20.12	17.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.17	76.75	51.42	45.46	62.35	18.30	12.41	10.56	8.61	14.16	18.94	17.51
USGS 07380335 - Little Lake Near Cutoff	11.22	58.99	36.76	47.59	47.77	17.47	10.03	7.43	6.20	9.54	18.16	19.01
USGS073802516 Barataria Pass at Grand Isle	9.20	42.93	26.94	37.65	30.48	17.40	10.32	8.69	6.52	9.56	14.98	15.09
HWQ14 - Lake Washington	7.93	25.81	17.87	26.47	20.25	10.09	5.48	4.50	4.77	8.01	10.50	9.82
HWQ16 - Bayou Grand Liard	15.42	57.75	35.73	61.21	42.75	28.31	12.06	11.52	8.19	10.40	30.80	34.58
CRMS 3985	20.53	31.04	16.98	24.95	25.11	8.76	4.25	6.47	6.04	16.39	20.57	22.99
CRMS 0258	7.96	38.36	21.56	34.18	44.45	14.22	9.08	8.82	6.91	9.18	20.57	21.22
CRMS 0224	8.94	42.35	25.12	34.84	42.79	19.60	12.64	11.93	9.77	12.47	13.08	13.60
CRMS 0163	108.63	182.30	144.24	117.19	118.48	82.33	57.17	49.77	32.71	121.57	164.58	136.88
CRMS 0162	114.63	186.01	140.28	111.48	121.35	98.15	62.44	37.79	22.43	102.08	157.80	163.02

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	168.81	242.98	221.14	141.24	181.40	111.11	84.27	49.72	43.09	155.16	189.96	160.95
CRMS0276 - Just east of Wilkinson Canal	0.23	-6.89	-1.41	1.11	-3.12	-0.82	1.32	0.38	0.71	0.64	-1.92	-0.56
Barataria Waterway at Lafitte (USACE82875)	2.47	2.66	4.72	2.79	2.10	1.66	3.50	2.34	3.17	3.97	2.47	3.54
USGS2928590900040000 Barataria Waterway South of Lafitte	43.61	136.01	97.36	38.65	95.13	26.72	32.13	25.00	14.59	41.05	24.84	23.94
USGS7380251 Barataria Bay North of Grand Isle	7.61	57.46	37.39	30.67	50.65	8.88	-1.93	-1.04	0.68	2.30	9.28	4.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.43	64.56	38.97	27.89	48.88	9.81	4.98	3.31	2.72	7.82	8.60	6.64
USGS 07380335 - Little Lake Near Cutoff	2.18	35.44	19.50	18.57	27.04	5.81	2.93	1.04	0.66	3.02	2.84	2.01
USGS073802516 Barataria Pass at Grand Isle	2.17	26.73	12.38	14.32	11.10	4.01	1.59	0.41	0.21	2.39	3.54	1.71
HWQ14 - Lake Washington	1.59	18.20	7.27	16.36	11.24	3.76	-2.55	-2.72	-1.01	0.40	2.91	1.88
HWQ16 - Bayou Grand Liard	0.71	-0.37	1.51	-0.28	-0.77	1.01	0.51	0.20	-0.61	-0.91	-1.48	-0.32
CRMS 3985	0.13	6.60	-0.68	13.85	11.77	-0.56	-16.19	-8.11	-2.87	-3.71	3.20	-1.05
CRMS 0258	2.68	12.28	4.40	0.64	7.97	0.64	2.49	2.83	1.15	3.98	2.31	1.81
CRMS 0224	4.15	26.83	12.91	7.54	19.13	4.02	4.60	3.90	1.99	5.54	4.26	3.03
CRMS 0163	1.03	1.65	1.89	1.30	0.49	1.35	2.59	1.67	4.06	2.95	0.38	1.83
CRMS 0162	0.33	-1.50	-0.14	0.36	-1.82	1.68	3.06	1.31	1.02	10.32	-0.78	0.22

Figure WQ TSS 88 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.10	4.99	7.06	10.39	11.93	9.73	9.31	10.16	8.78	7.75	4.51	6.32
CRMS0276 - Just east of Wilkinson Canal	27.83	63.43	38.10	63.71	66.14	53.43	33.86	31.85	39.61	27.78	26.26	31.68
Barataria Waterway at Lafitte (USACE82875)	66.63	92.61	59.41	78.88	91.80	74.22	76.29	73.57	70.56	73.77	57.25	87.24
USGS2928590900040000 Barataria Waterway South of Lafitte	2.71	4.40	6.59	11.67	13.20	10.16	6.40	7.16	7.89	6.69	3.59	3.62
USGS7380251 Barataria Bay North of Grand Isle	7.96	6.79	6.38	8.75	8.48	7.39	7.57	9.39	12.49	11.96	8.19	9.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.36	9.20	11.13	14.14	11.79	8.98	7.91	8.99	8.64	8.34	7.30	5.88
USGS 07380335 - Little Lake Near Cutoff	9.72	17.38	16.49	22.35	17.94	12.68	10.95	11.31	10.55	9.88	9.63	7.96
USGS073802516 Barataria Pass at Grand Isle	7.16	12.37	13.37	18.48	17.03	14.96	13.10	13.19	9.12	9.95	8.10	7.15
HWQ14 - Lake Washington	5.38	4.49	6.82	7.73	6.84	5.60	4.37	4.62	6.55	7.23	6.16	5.45
HWQ16 - Bayou Grand Liard	20.60	43.58	28.41	41.00	36.19	33.13	25.65	21.81	17.53	12.68	15.23	17.21
CRMS 3985	13.29	11.03	4.80	6.61	5.60	4.80	3.69	10.36	15.71	16.27	13.00	19.08
CRMS 0258	9.86	15.83	16.13	25.32	29.91	29.61	26.50	26.87	17.68	11.59	3.72	8.11
CRMS 0224	4.85	11.39	12.45	21.23	20.74	18.50	11.27	12.10	15.11	11.94	6.25	4.24
CRMS 0163	83.84	104.47	71.18	81.01	94.96	70.75	76.21	86.62	79.95	83.13	68.18	110.53
CRMS 0162	98.31	122.91	84.30	89.63	99.29	86.41	113.38	104.45	77.17	75.85	53.62	129.70

V3PR3 HYST - cy 2 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	153.65	179.74	145.11	146.70	174.50	139.12	150.79	129.35	103.02	113.72	93.53	150.79
CRMS0276 - Just east of Wilkinson Canal	29.76	57.52	34.33	61.52	60.48	46.61	29.84	31.54	41.65	28.84	24.84	30.73
Barataria Waterway at Lafitte (USACE82875)	67.50	95.16	59.96	80.45	92.83	74.73	76.05	74.34	73.01	77.11	59.03	89.73
USGS2928590900040000 Barataria Waterway South of Lafitte	95.42	116.60	87.07	91.14	112.46	90.85	102.57	68.01	29.77	38.60	16.00	27.81
USGS7380251 Barataria Bay North of Grand Isle	38.35	58.11	39.97	52.45	62.81	47.82	49.61	37.94	15.76	13.04	10.30	12.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	42.76	64.72	45.12	54.91	61.81	54.35	60.08	43.64	16.40	14.81	10.73	11.35
USGS 07380335 - Little Lake Near Cutoff	28.87	48.46	33.21	47.09	48.68	42.65	44.43	31.84	15.48	12.81	10.20	9.54
USGS073802516 Barataria Pass at Grand Isle	19.52	33.75	22.55	33.52	30.78	25.78	26.20	24.13	13.74	12.52	8.96	8.16
HWQ14 - Lake Washington	13.01	21.48	14.37	25.26	21.81	18.88	15.08	12.17	7.64	7.38	6.18	6.10
HWQ16 - Bayou Grand Liard	21.06	42.08	27.08	40.82	35.66	33.22	25.50	22.83	20.09	13.29	14.25	16.54
CRMS 3985	15.82	21.76	14.60	25.51	28.21	22.38	19.81	15.08	7.05	8.23	9.91	18.11
CRMS 0258	24.51	29.18	20.93	33.83	43.21	41.75	49.56	41.12	19.24	13.96	4.13	8.89
CRMS 0224	28.74	35.99	23.51	37.49	43.30	40.97	48.97	36.37	19.80	16.16	7.74	7.28
CRMS 0163	84.23	106.07	71.29	81.07	95.64	71.22	76.42	88.33	82.62	85.48	69.09	111.68
CRMS 0162	98.12	123.07	83.29	89.88	99.45	85.33	112.25	104.68	82.20	81.78	53.56	130.83

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	148.55	174.75	138.05	136.30	162.57	129.39	141.48	119.19	94.24	105.98	89.03	144.47
CRMS0276 - Just east of Wilkinson Canal	1.93	-5.91	-3.77	-2.19	-5.66	-6.82	-4.02	-0.31	2.04	1.06	-1.42	-0.94
Barataria Waterway at Lafitte (USACE82875)	0.87	2.55	0.55	1.57	1.03	0.51	-0.24	0.77	2.45	3.34	1.78	2.49
USGS2928590900040000 Barataria Waterway South of Lafitte	92.71	112.20	80.48	79.47	99.26	80.68	96.16	60.85	21.87	31.92	12.41	24.19
USGS7380251 Barataria Bay North of Grand Isle	30.38	51.32	33.59	43.70	54.33	40.42	42.04	28.55	3.27	1.08	2.11	2.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	36.40	55.52	33.99	40.77	50.02	45.37	52.17	34.65	7.76	6.47	3.42	5.47
USGS 07380335 - Little Lake Near Cutoff	19.15	31.07	16.72	24.74	30.74	29.97	33.49	20.54	4.93	2.92	0.57	1.58
USGS073802516 Barataria Pass at Grand Isle	12.36	21.38	9.19	15.04	13.75	10.82	13.10	10.93	4.62	2.58	0.87	1.01
HWQ14 - Lake Washington	7.63	16.99	7.55	17.53	14.97	13.27	10.71	7.55	1.09	0.15	0.02	0.66
HWQ16 - Bayou Grand Liard	0.46	-1.49	-1.33	-0.18	-0.53	0.10	-0.15	1.02	2.56	0.61	-0.99	-0.67
CRMS 3985	2.53	10.73	9.80	18.90	22.60	17.58	16.12	4.73	-8.66	-8.04	-3.09	-0.97
CRMS 0258	14.65	13.35	4.80	8.51	13.30	12.14	23.06	14.25	1.55	2.37	0.41	0.77
CRMS 0224	23.90	24.60	11.05	16.26	22.56	22.47	37.69	24.27	4.68	4.22	1.49	3.04
CRMS 0163	0.38	1.59	0.11	0.06	0.67	0.47	0.22	1.71	2.67	2.36	0.90	1.15
CRMS 0162	-0.19	0.16	-1.01	0.25	0.16	-1.09	-1.13	0.23	5.02	5.93	-0.06	1.14

Figure WQ TSS 89 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.00	2.56	11.17	13.99	15.34	10.14	8.55	8.79	7.03	6.96	4.09	8.93
CRMS0276 - Just east of Wilkinson Canal	48.14	35.76	89.13	92.85	105.54	38.87	22.52	23.15	31.12	22.71	25.55	96.58
Barataria Waterway at Lafitte (USACE82875)	93.35	79.68	167.46	118.32	140.07	52.45	56.90	59.68	59.01	58.38	58.81	173.51
USGS2928590900040000 Barataria Waterway South of Lafitte	2.64	1.85	7.05	16.31	18.07	10.71	5.84	5.67	5.79	5.83	3.16	6.74
USGS7380251 Barataria Bay North of Grand Isle	6.08	7.90	15.61	13.31	10.37	7.50	7.12	7.44	9.05	10.47	7.45	6.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.55	7.31	15.28	22.57	17.30	10.38	7.05	8.35	7.21	7.37	6.68	10.04
USGS 07380335 - Little Lake Near Cutoff	20.13	11.44	22.64	34.90	28.85	14.18	8.58	9.36	8.48	8.43	9.14	20.03
USGS073802516 Barataria Pass at Grand Isle	12.54	8.44	17.82	29.29	27.11	16.27	10.92	11.52	7.63	8.90	7.31	14.89
HWQ14 - Lake Washington	3.05	5.25	11.99	12.74	8.90	6.61	4.40	4.55	4.79	6.26	5.54	4.67
HWQ16 - Bayou Grand Liard	38.24	20.39	60.63	64.75	71.62	29.83	15.44	14.89	13.24	10.96	14.91	56.74
CRMS 3985	13.08	15.79	27.70	11.85	7.35	4.90	3.34	3.72	11.40	13.81	11.63	4.75
CRMS 0258	7.42	4.44	34.24	34.91	43.01	24.68	21.04	21.02	11.54	10.65	4.35	28.97
CRMS 0224	9.30	7.36	13.91	31.42	33.08	19.42	10.06	11.06	12.86	10.97	5.33	10.65
CRMS 0163	105.06	98.40	191.35	125.03	142.86	40.72	58.00	68.15	66.12	59.46	82.34	206.63
CRMS 0162	128.66	102.43	237.41	136.94	167.00	60.03	78.15	78.51	53.78	37.27	65.13	249.63

V3PR3 HYST - cy 2 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	142.99	134.70	338.50	215.93	240.02	102.06	110.01	87.63	85.69	83.23	129.43	330.60
CRMS0276 - Just east of Wilkinson Canal	49.68	35.99	76.57	90.02	100.06	35.46	22.18	23.97	31.73	22.93	24.66	80.65
Barataria Waterway at Lafitte (USACE82875)	95.46	82.73	171.68	119.94	143.54	53.20	56.62	60.41	61.11	60.82	60.37	174.18
USGS2928590900040000 Barataria Waterway South of Lafitte	38.76	23.98	232.36	144.61	161.59	56.16	71.13	36.66	26.55	32.55	28.56	235.11
USGS7380251 Barataria Bay North of Grand Isle	23.75	12.67	108.93	79.65	90.49	34.20	37.86	19.78	13.23	11.87	13.73	106.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	31.41	12.42	130.28	81.43	95.47	36.30	43.50	18.97	13.20	13.05	10.72	129.48
USGS 07380335 - Little Lake Near Cutoff	34.69	13.35	95.62	67.31	78.03	31.43	31.77	15.20	11.31	10.83	9.45	88.37
USGS073802516 Barataria Pass at Grand Isle	26.84	10.25	52.36	47.50	47.79	22.13	19.77	16.43	10.48	11.04	8.46	53.33
HWQ14 - Lake Washington	16.88	7.55	30.54	36.13	34.30	16.72	11.80	7.85	6.04	6.67	5.98	28.41
HWQ16 - Bayou Grand Liard	40.27	20.78	59.26	62.19	66.77	28.25	16.59	14.76	14.01	10.79	14.13	53.66
CRMS 3985	22.83	16.31	45.67	38.22	44.00	18.38	14.61	6.99	6.33	7.45	11.11	40.00
CRMS 0258	16.33	4.84	60.40	45.64	63.00	32.85	38.82	26.76	12.45	12.46	4.87	59.63
CRMS 0224	26.23	9.15	65.17	52.09	65.91	33.12	37.98	20.45	15.72	14.23	6.77	64.58
CRMS 0163	106.13	100.35	193.52	125.79	144.94	41.19	58.39	69.08	68.09	61.66	82.32	206.09
CRMS 0162	128.78	105.12	236.88	137.56	168.44	59.87	77.31	78.94	59.75	42.67	64.87	247.00

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	139.99	132.14	327.33	201.93	224.68	91.92	101.46	78.84	78.66	76.27	125.35	321.67
CRMS0276 - Just east of Wilkinson Canal	1.54	0.23	-12.56	-2.83	-5.49	-3.42	-0.34	0.83	0.61	0.22	-0.90	-15.93
Barataria Waterway at Lafitte (USACE82875)	2.11	3.04	4.22	1.62	3.47	0.75	-0.27	0.74	2.10	2.44	1.56	0.67
USGS2928590900040000 Barataria Waterway South of Lafitte	36.12	22.13	225.31	128.31	143.52	45.45	65.28	30.98	20.76	26.72	25.41	228.38
USGS7380251 Barataria Bay North of Grand Isle	17.66	4.77	93.32	66.33	80.11	26.69	30.74	12.34	4.18	1.41	6.28	99.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.86	5.11	115.00	58.86	78.17	25.92	36.45	10.62	5.99	5.68	4.04	119.44
USGS 07380335 - Little Lake Near Cutoff	14.56	1.91	72.98	32.41	49.18	17.25	23.18	5.84	2.83	2.40	0.32	68.35
USGS073802516 Barataria Pass at Grand Isle	14.30	1.81	34.54	18.21	20.68	5.86	8.86	4.90	2.85	2.13	1.15	38.44
HWQ14 - Lake Washington	13.83	2.30	18.55	23.39	25.40	10.11	7.39	3.29	1.25	0.41	0.44	23.74
HWQ16 - Bayou Grand Liard	2.02	0.40	-1.37	-2.56	-4.85	-1.59	1.16	-0.13	0.77	-0.16	-0.78	-3.07
CRMS 3985	9.75	0.51	17.97	26.36	36.65	13.48	11.27	3.27	-5.07	-6.36	-0.53	35.25
CRMS 0258	8.91	0.41	26.16	10.73	19.99	8.17	17.78	5.74	0.92	1.81	0.52	30.67
CRMS 0224	16.93	1.79	51.26	20.67	32.83	13.70	27.92	9.39	2.86	3.26	1.44	53.93
CRMS 0163	1.08	1.95	2.17	0.77	2.08	0.47	0.39	0.92	1.97	2.20	-0.01	-0.54
CRMS 0162	0.12	2.69	-0.53	0.62	1.43	-0.16	-0.84	0.43	5.97	5.40	-0.26	-2.63

Figure WQ TSS 90 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.54	5.42	8.78	10.87	11.33	9.40	7.33	7.03	7.38	7.61	12.12	11.27
CRMS0276 - Just east of Wilkinson Canal	50.49	46.17	69.79	54.53	51.18	41.76	24.03	13.59	31.92	23.69	71.46	120.75
Barataria Waterway at Lafitte (USACE82875)	100.83	78.90	109.33	68.85	70.19	72.94	60.56	57.70	74.77	72.75	139.95	164.73
USGS2928590900040000 Barataria Waterway South of Lafitte	4.95	4.57	7.76	12.30	12.45	9.22	6.14	5.59	5.71	5.94	8.17	10.13
USGS7380251 Barataria Bay North of Grand Isle	8.05	7.83	9.40	9.43	8.26	7.47	6.76	11.30	13.43	12.45	11.82	12.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.30	8.97	14.76	15.48	11.44	7.96	7.47	7.06	7.77	7.84	12.01	19.95
USGS 07380335 - Little Lake Near Cutoff	21.81	14.30	23.24	22.86	16.67	10.22	9.55	6.42	8.60	8.60	18.16	36.92
USGS073802516 Barataria Pass at Grand Isle	14.54	10.51	17.96	20.14	16.66	12.01	11.34	8.80	7.98	9.19	13.24	26.38
HWQ14 - Lake Washington	4.93	5.21	8.69	8.99	7.02	5.50	4.35	4.75	7.18	7.60	7.53	8.99
HWQ16 - Bayou Grand Liard	43.59	27.78	53.09	40.15	30.98	21.42	16.76	12.86	12.39	11.37	39.92	82.70
CRMS 3985	13.47	13.33	9.67	7.24	5.50	4.74	4.22	16.30	18.40	16.56	17.04	16.81
CRMS 0258	17.59	18.04	22.90	24.28	26.69	28.71	12.92	7.51	10.59	14.13	27.89	28.35
CRMS 0224	11.19	10.21	15.91	21.39	19.49	14.66	10.30	9.29	11.76	10.57	11.85	21.77
CRMS 0163	116.55	97.98	118.71	73.16	64.94	72.06	62.27	67.34	84.65	94.65	186.49	173.81
CRMS 0162	144.07	113.18	154.59	86.96	71.62	85.72	81.10	64.60	61.68	85.20	192.94	215.41

V3PR4 HYST - cy 2 - 1985 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	209.80	171.84	222.29	149.62	130.68	117.80	89.73	95.92	107.05	152.43	301.97	281.23
CRMS0276 - Just east of Wilkinson Canal	60.53	41.68	57.72	50.95	47.83	37.74	23.05	15.86	34.81	26.13	68.80	101.72
Barataria Waterway at Lafitte (USACE82875)	102.62	81.44	112.42	71.00	70.93	73.56	61.74	60.37	77.97	76.39	143.39	168.51
USGS2928590900040000 Barataria Waterway South of Lafitte	160.29	109.21	173.51	110.23	92.35	71.23	43.50	39.77	37.33	65.27	217.14	230.23
USGS7380251 Barataria Bay North of Grand Isle	74.52	49.42	89.71	56.45	50.89	34.56	17.45	13.03	14.59	15.82	101.06	130.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	95.21	58.89	107.90	63.73	56.12	42.77	19.59	12.97	14.13	20.55	111.45	156.97
USGS 07380335 - Little Lake Near Cutoff	76.76	43.76	89.30	53.73	47.78	33.25	17.93	8.85	11.88	13.26	75.80	132.91
USGS073802516 Barataria Pass at Grand Isle	49.29	25.10	49.43	38.56	31.03	20.60	16.63	10.85	9.55	11.97	50.39	83.68
HWQ14 - Lake Washington	28.43	17.24	28.80	28.03	22.15	13.64	9.22	5.24	6.89	7.37	30.33	49.60
HWQ16 - Bayou Grand Liard	49.43	30.09	56.65	41.93	33.96	23.35	17.14	12.26	13.73	11.97	43.74	89.19
CRMS 3985	30.51	17.60	40.40	29.39	25.40	15.35	6.90	4.64	13.52	8.96	28.05	59.76
CRMS 0258	62.69	34.48	55.79	38.20	42.25	37.06	18.37	11.02	11.64	18.01	59.59	84.17
CRMS 0224	73.36	38.61	65.56	44.06	44.61	30.61	21.37	14.54	15.67	16.98	70.98	101.46
CRMS 0163	117.99	99.70	120.69	74.17	65.20	72.20	63.17	69.90	87.32	97.96	188.39	176.39
CRMS 0162	144.54	113.61	155.17	87.21	70.03	85.19	82.23	71.54	73.91	94.26	193.55	216.03

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	202.26	166.42	213.51	138.75	119.34	108.40	82.40	88.89	99.67	144.82	289.85	269.96
CRMS0276 - Just east of Wilkinson Canal	10.04	-4.49	-12.07	-3.58	-3.35	-4.02	-0.98	2.27	2.90	2.44	-2.65	-19.03
Barataria Waterway at Lafitte (USACE82875)	1.79	2.54	3.08	2.15	0.75	0.62	1.17	2.68	3.21	3.63	3.45	3.78
USGS2928590900040000 Barataria Waterway South of Lafitte	155.35	104.64	165.75	97.93	79.89	62.01	37.36	34.18	31.62	59.33	208.97	220.10
USGS7380251 Barataria Bay North of Grand Isle	66.47	41.59	80.31	47.02	42.63	27.09	10.69	1.74	1.16	3.37	89.24	117.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	82.91	49.92	93.14	48.25	44.68	34.81	12.12	5.90	6.36	12.70	99.44	137.02
USGS 07380335 - Little Lake Near Cutoff	54.95	29.46	66.06	30.87	31.11	23.03	8.38	2.43	3.28	4.66	57.64	95.99
USGS073802516 Barataria Pass at Grand Isle	34.75	14.59	31.47	18.41	14.37	8.58	5.29	2.06	1.56	2.78	37.16	57.30
HWQ14 - Lake Washington	23.50	12.03	20.11	19.05	15.13	8.14	4.86	0.48	-0.29	-0.23	22.80	40.61
HWQ16 - Bayou Grand Liard	5.84	2.31	3.56	1.78	2.99	1.93	0.39	-0.59	1.34	0.59	3.82	6.49
CRMS 3985	17.04	4.27	30.73	22.15	19.90	10.61	2.68	-11.66	-4.88	-7.61	11.01	42.95
CRMS 0258	45.10	16.44	32.89	13.92	15.56	8.34	5.45	3.51	1.04	3.88	31.70	55.82
CRMS 0224	62.16	28.40	49.65	22.67	25.11	15.95	11.06	5.25	3.91	6.41	59.13	79.69
CRMS 0163	1.44	1.71	1.98	1.01	0.26	0.14	0.91	2.56	2.68	3.31	1.90	2.58
CRMS 0162	0.47	0.43	0.59	0.24	-1.59	-0.54	1.13	6.94	12.23	9.06	0.61	0.62

Figure WQ TSS 91 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.91	6.53	8.30	10.57	11.63	8.58	7.19	7.03	6.87	6.45	4.04	9.69
CRMS0276 - Just east of Wilkinson Canal	45.54	72.00	60.54	57.83	56.52	31.44	18.08	15.35	22.13	18.45	35.79	65.45
Barataria Waterway at Lafitte (USACE82875)	87.14	111.02	91.72	76.82	72.82	52.10	61.48	60.30	59.65	53.44	84.72	134.75
USGS2928590900040000 Barataria Waterway South of Lafitte	3.93	5.39	7.65	11.93	13.39	8.46	5.54	5.38	5.36	5.25	2.95	5.86
USGS7380251 Barataria Bay North of Grand Isle	11.21	9.60	8.40	8.75	7.99	6.77	6.27	11.61	11.70	10.65	9.10	13.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.57	11.12	14.66	14.92	12.61	7.79	6.60	6.94	7.12	6.93	7.50	8.84
USGS 07380335 - Little Lake Near Cutoff	16.84	19.94	22.95	22.52	19.31	9.79	7.67	6.55	7.06	7.38	10.76	14.40
USGS073802516 Barataria Pass at Grand Isle	11.83	14.13	17.90	19.36	18.97	11.64	9.50	8.98	7.38	8.16	7.97	11.43
HWQ14 - Lake Washington	7.68	6.23	8.52	8.21	7.09	5.39	4.26	4.87	6.49	6.66	6.28	7.32
HWQ16 - Bayou Grand Liard	32.25	47.46	49.16	39.96	39.98	17.34	10.45	12.64	9.55	9.73	18.66	34.95
CRMS 3985	19.71	16.48	7.04	6.29	5.06	4.00	3.85	16.41	14.71	13.78	17.08	25.96
CRMS 0258	14.59	21.38	20.35	24.85	28.21	20.68	13.40	7.99	9.24	8.70	3.58	24.10
CRMS 0224	8.38	13.69	15.80	20.81	22.45	13.77	9.14	9.30	10.55	9.15	5.50	8.22
CRMS 0163	98.03	128.80	98.89	84.74	65.88	49.89	67.74	63.36	66.47	60.48	114.24	165.68
CRMS 0162	121.73	149.44	129.87	100.30	81.62	58.43	90.93	69.93	40.79	38.91	94.58	199.73

V3PR4 HYST - cy 2 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.13	225.70	193.15	169.65	141.08	75.19	97.47	85.31	86.42	94.80	148.06	256.54
CRMS0276 - Just east of Wilkinson Canal	43.95	64.39	50.73	53.67	53.25	30.53	18.37	18.14	23.63	19.89	35.74	61.07
Barataria Waterway at Lafitte (USACE82875)	88.59	113.45	93.91	78.79	74.57	53.09	63.39	63.13	62.01	57.96	88.58	137.84
USGS2928590900040000 Barataria Waterway South of Lafitte	92.68	175.72	148.30	127.99	103.31	38.09	44.62	39.71	33.35	36.29	25.23	140.05
USGS7380251 Barataria Bay North of Grand Isle	41.72	82.76	75.32	64.58	54.14	20.01	13.20	12.69	12.34	10.77	13.07	57.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	58.30	104.77	90.74	72.71	60.56	22.38	13.29	12.99	12.21	12.32	12.55	70.85
USGS 07380335 - Little Lake Near Cutoff	44.25	81.12	75.14	59.58	52.34	20.90	10.71	9.61	9.46	9.54	11.66	50.01
USGS073802516 Barataria Pass at Grand Isle	32.71	48.06	42.96	39.61	35.08	18.91	11.50	11.32	8.31	10.04	9.78	25.25
HWQ14 - Lake Washington	18.53	28.44	26.32	28.56	25.97	12.99	5.95	4.88	5.70	6.32	6.74	16.18
HWQ16 - Bayou Grand Liard	34.51	51.03	49.97	42.32	40.90	19.59	11.03	13.01	10.51	9.83	18.48	35.43
CRMS 3985	21.95	33.98	34.86	32.04	31.59	11.27	4.48	4.13	10.30	7.17	13.81	29.65
CRMS 0258	34.99	53.67	46.64	42.63	45.41	23.67	16.65	11.46	10.28	11.36	4.18	45.84
CRMS 0224	40.66	66.38	55.25	49.61	49.52	21.70	14.79	14.66	13.95	13.46	8.65	45.19
CRMS 0163	98.98	130.47	100.54	85.87	67.27	50.05	68.96	65.98	68.78	64.62	116.36	167.39
CRMS 0162	121.74	149.42	129.81	100.61	81.80	58.53	91.19	74.22	45.87	45.08	95.99	201.17

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	150.22	219.16	184.84	159.08	129.45	66.60	90.28	78.28	79.55	88.35	144.03	246.85
CRMS0276 - Just east of Wilkinson Canal	-1.59	-7.61	-9.81	-4.16	-3.27	-0.92	0.29	2.79	1.50	1.43	-0.05	-4.38
Barataria Waterway at Lafitte (USACE82875)	1.44	2.44	2.19	1.97	1.75	0.98	1.91	2.82	2.36	4.52	3.85	3.09
USGS2928590900040000 Barataria Waterway South of Lafitte	88.76	170.34	140.65	116.06	89.92	29.63	39.09	34.34	27.99	31.04	22.28	134.19
USGS7380251 Barataria Bay North of Grand Isle	30.51	73.15	66.92	55.83	46.16	13.24	6.93	1.08	0.64	0.11	3.96	43.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.73	93.65	76.08	57.79	47.95	14.59	6.70	6.05	5.09	5.40	5.05	62.01
USGS 07380335 - Little Lake Near Cutoff	27.41	61.17	52.19	37.06	33.03	11.11	3.05	3.06	2.40	2.15	0.90	35.61
USGS073802516 Barataria Pass at Grand Isle	20.88	33.93	25.06	20.25	16.12	7.28	2.00	2.33	0.93	1.88	1.81	13.81
HWQ14 - Lake Washington	10.85	22.21	17.80	20.34	18.88	7.60	1.69	0.01	-0.79	-0.34	0.46	8.86
HWQ16 - Bayou Grand Liard	2.26	3.57	0.80	2.37	0.91	2.25	0.58	0.37	0.97	0.11	-0.18	0.48
CRMS 3985	2.25	17.50	27.81	25.75	26.53	7.28	0.63	-12.28	-4.41	-6.61	-3.27	3.69
CRMS 0258	20.40	32.29	26.29	17.77	17.20	2.99	3.25	3.47	1.04	2.66	0.60	21.73
CRMS 0224	32.29	52.69	39.46	28.80	27.08	7.92	5.65	5.36	3.40	4.31	3.15	36.97
CRMS 0163	0.95	1.67	1.65	1.13	1.39	0.16	1.22	2.62	2.31	4.13	2.12	1.71
CRMS 0162	0.01	-0.03	-0.06	0.30	0.17	0.09	0.26	4.30	5.08	6.17	1.41	1.44

Figure WQ TSS 92 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.79	8.20	7.66	10.33	13.12	7.56	6.77	6.68	5.92	6.32	8.33	9.56
CRMS0276 - Just east of Wilkinson Canal	22.45	101.02	63.14	97.39	81.71	45.68	12.82	9.10	12.15	23.25	57.87	60.07
Barataria Waterway at Lafitte (USACE82875)	77.17	157.68	114.30	116.69	115.72	82.74	54.01	49.65	26.96	93.99	123.23	114.63
USGS2928590900040000 Barataria Waterway South of Lafitte	2.33	6.83	6.75	12.58	13.88	7.52	4.95	4.95	4.44	4.38	5.38	7.21
USGS7380251 Barataria Bay North of Grand Isle	10.12	13.78	11.64	10.98	11.78	8.15	14.09	12.51	9.22	13.48	10.84	13.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.74	12.19	12.44	17.57	13.47	8.49	7.43	7.26	5.89	6.33	10.35	10.87
USGS 07380335 - Little Lake Near Cutoff	9.05	23.55	17.26	29.03	20.73	11.66	7.10	6.40	5.54	6.52	15.32	17.00
USGS073802516 Barataria Pass at Grand Isle	7.03	16.20	14.56	23.33	19.38	13.39	8.73	8.28	6.31	7.17	11.44	13.38
HWQ14 - Lake Washington	6.34	7.61	10.60	10.11	9.01	6.33	8.03	7.22	5.78	7.61	7.59	7.95
HWQ16 - Bayou Grand Liard	14.70	58.12	34.23	61.49	43.52	27.30	11.55	11.32	8.80	11.31	32.28	34.90
CRMS 3985	20.41	24.44	17.66	11.10	13.34	9.32	20.45	14.58	8.91	20.10	17.37	24.04
CRMS 0258	5.27	26.09	17.16	33.54	36.48	13.58	6.58	5.99	5.76	5.20	18.26	19.41
CRMS 0224	4.79	15.52	12.21	27.29	23.66	15.58	8.04	8.04	7.78	6.93	8.82	10.57
CRMS 0163	107.60	180.65	142.35	115.90	117.99	80.99	54.58	48.10	28.65	118.62	164.20	135.05
CRMS 0162	114.30	187.51	140.42	111.11	123.16	96.47	59.38	36.48	21.41	91.76	158.58	162.80

V3PR4 HYST - cy 2 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	171.54	254.47	230.86	152.64	196.96	117.50	89.84	56.19	48.80	159.13	196.81	170.44
CRMS0276 - Just east of Wilkinson Canal	23.69	95.24	61.78	99.19	78.78	45.93	14.87	9.86	13.61	25.25	58.07	61.24
Barataria Waterway at Lafitte (USACE82875)	81.96	161.31	119.54	119.95	118.22	84.65	57.96	52.97	32.98	99.18	127.10	119.89
USGS2928590900040000 Barataria Waterway South of Lafitte	50.83	161.90	122.05	55.88	123.95	35.06	38.23	31.47	21.76	48.81	33.39	33.80
USGS7380251 Barataria Bay North of Grand Isle	14.94	79.61	57.49	44.07	66.04	16.51	11.32	10.87	9.32	14.70	19.20	15.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.36	96.47	66.50	51.13	74.56	18.61	12.27	10.47	8.56	14.24	18.88	17.33
USGS 07380335 - Little Lake Near Cutoff	10.74	77.39	48.41	54.76	57.54	18.07	10.27	7.49	6.11	9.93	18.85	19.54
USGS073802516 Barataria Pass at Grand Isle	8.13	53.43	32.78	43.70	34.54	17.92	10.58	8.74	6.38	9.63	15.27	15.29
HWQ14 - Lake Washington	5.15	29.89	20.54	29.49	21.91	10.26	5.37	4.37	4.66	7.90	10.23	9.40
HWQ16 - Bayou Grand Liard	15.81	62.28	37.66	64.63	44.74	28.86	12.60	11.73	8.04	10.15	32.78	36.18
CRMS 3985	15.10	32.74	19.61	27.56	25.72	8.64	4.16	6.00	5.96	16.27	19.94	17.69
CRMS 0258	8.56	46.05	26.01	36.59	50.66	14.41	9.39	9.17	7.29	9.94	20.90	21.27
CRMS 0224	9.46	57.67	34.39	39.94	50.73	19.54	12.85	12.04	9.86	13.53	13.94	13.95
CRMS 0163	110.20	183.16	145.94	117.63	119.09	82.10	57.85	50.77	34.90	121.91	165.42	138.52
CRMS 0162	117.56	186.95	143.94	113.17	122.19	97.84	66.34	38.89	22.77	117.61	158.50	165.69

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	167.76	246.27	223.20	142.31	183.84	109.94	83.06	49.51	42.88	152.82	188.48	160.87
CRMS0276 - Just east of Wilkinson Canal	1.24	-5.77	-1.36	1.80	-2.93	0.25	2.05	0.76	1.46	2.01	0.19	1.17
Barataria Waterway at Lafitte (USACE82875)	4.79	3.63	5.24	3.26	2.49	1.90	3.95	3.32	6.01	5.19	3.87	5.26
USGS2928590900040000 Barataria Waterway South of Lafitte	48.50	155.07	115.30	43.30	110.07	27.54	33.28	26.52	17.32	44.43	28.01	26.59
USGS7380251 Barataria Bay North of Grand Isle	4.82	65.83	45.85	33.10	54.26	8.36	-2.77	-1.65	0.10	1.22	8.36	2.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.62	84.28	54.06	33.56	61.10	10.11	4.84	3.21	2.66	7.91	8.53	6.46
USGS 07380335 - Little Lake Near Cutoff	1.70	53.84	31.16	25.73	36.82	6.41	3.17	1.09	0.57	3.40	3.53	2.54
USGS073802516 Barataria Pass at Grand Isle	1.10	37.23	18.22	20.37	15.16	4.53	1.85	0.46	0.07	2.46	3.83	1.91
HWQ14 - Lake Washington	-1.19	22.29	9.94	19.38	12.89	3.93	-2.65	-2.85	-1.12	0.30	2.64	1.45
HWQ16 - Bayou Grand Liard	1.11	4.17	3.43	3.14	1.22	1.55	1.05	0.41	-0.76	-1.16	0.50	1.28
CRMS 3985	-5.31	8.30	1.95	16.46	12.38	-0.68	-16.29	-8.58	-2.95	-3.83	2.57	-6.35
CRMS 0258	3.29	19.96	8.85	3.05	14.18	0.83	2.81	3.18	1.53	4.74	2.64	1.87
CRMS 0224	4.67	42.14	22.17	12.65	27.06	3.96	4.81	4.00	2.08	6.61	5.12	3.38
CRMS 0163	2.60	2.51	3.59	1.73	1.09	1.11	3.27	2.67	6.24	3.29	1.22	3.47
CRMS 0162	3.27	-0.56	3.52	2.06	-0.97	1.37	6.96	2.41	1.36	25.85	-0.08	2.89

Figure WQ TSS 93 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.10	4.99	7.06	10.39	11.93	9.73	9.31	10.16	8.78	7.75	4.51	6.32
CRMS0276 - Just east of Wilkinson Canal	27.83	63.43	38.10	63.71	66.14	53.43	33.86	31.85	39.61	27.78	26.26	31.68
Barataria Waterway at Lafitte (USACE82875)	66.63	92.61	59.41	78.88	91.80	74.22	76.29	73.57	70.56	73.77	57.25	87.24
USGS2928590900040000 Barataria Waterway South of Lafitte	2.71	4.40	6.59	11.67	13.20	10.16	6.40	7.16	7.89	6.69	3.59	3.62
USGS7380251 Barataria Bay North of Grand Isle	7.96	6.79	6.38	8.75	8.48	7.39	7.57	9.39	12.49	11.96	8.19	9.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.36	9.20	11.13	14.14	11.79	8.98	7.91	8.99	8.64	8.34	7.30	5.88
USGS 07380335 - Little Lake Near Cutoff	9.72	17.38	16.49	22.35	17.94	12.68	10.95	11.31	10.55	9.88	9.63	7.96
USGS073802516 Barataria Pass at Grand Isle	7.16	12.37	13.37	18.48	17.03	14.96	13.10	13.19	9.12	9.95	8.10	7.15
HWQ14 - Lake Washington	5.38	4.49	6.82	7.73	6.84	5.60	4.37	4.62	6.55	7.23	6.16	5.45
HWQ16 - Bayou Grand Liard	20.60	43.58	28.41	41.00	36.19	33.13	25.65	21.81	17.53	12.68	15.23	17.21
CRMS 3985	13.29	11.03	4.80	6.61	5.60	4.80	3.69	10.36	15.71	16.27	13.00	19.08
CRMS 0258	9.86	15.83	16.13	25.32	29.91	29.61	26.50	26.87	17.68	11.59	3.72	8.11
CRMS 0224	4.85	11.39	12.45	21.23	20.74	18.50	11.27	12.10	15.11	11.94	6.25	4.24
CRMS 0163	83.84	104.47	71.18	81.01	94.96	70.75	76.21	86.62	79.95	83.13	68.18	110.53
CRMS 0162	98.31	122.91	84.30	89.63	99.29	86.41	113.38	104.45	77.17	75.85	53.62	129.70

V3PR4 HYST - cy 2 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.00	185.76	149.78	151.52	179.19	142.85	154.03	129.48	102.50	112.74	92.99	148.72
CRMS0276 - Just east of Wilkinson Canal	32.42	56.58	33.56	61.24	59.29	45.86	33.48	33.66	43.13	30.38	24.02	31.70
Barataria Waterway at Lafitte (USACE82875)	67.92	95.56	59.59	80.86	92.67	74.64	75.74	73.93	73.26	77.83	59.62	90.23
USGS2928590900040000 Barataria Waterway South of Lafitte	114.23	142.39	105.58	111.19	136.19	106.23	115.00	72.92	33.91	41.60	18.39	29.28
USGS7380251 Barataria Bay North of Grand Isle	46.93	71.43	48.02	60.34	72.79	53.29	54.52	38.63	14.88	12.17	9.86	11.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	58.20	85.08	58.96	67.67	78.09	63.59	70.75	48.39	16.49	14.85	10.59	11.17
USGS 07380335 - Little Lake Near Cutoff	40.32	66.81	44.69	57.66	62.32	50.97	54.74	37.47	15.77	13.03	10.21	9.59
USGS073802516 Barataria Pass at Grand Isle	26.36	43.02	26.97	40.05	35.93	29.99	31.29	27.27	13.95	12.57	8.85	8.10
HWQ14 - Lake Washington	15.67	26.99	16.62	29.42	25.29	22.16	18.08	13.88	7.70	7.22	6.01	5.98
HWQ16 - Bayou Grand Liard	23.33	45.64	28.50	44.81	39.74	35.26	27.80	24.14	20.70	13.63	13.90	16.97
CRMS 3985	17.77	29.82	18.51	30.42	34.69	26.96	24.42	16.49	7.06	7.91	9.78	18.01
CRMS 0258	33.03	40.55	26.75	41.06	52.81	50.24	59.48	45.28	19.89	14.66	4.46	9.22
CRMS 0224	40.38	52.67	32.26	47.97	55.38	50.98	58.93	42.03	20.23	16.89	8.28	7.50
CRMS 0163	84.54	106.23	71.19	81.25	95.46	71.25	76.21	88.11	82.83	86.47	69.48	112.26
CRMS 0162	98.76	123.12	83.02	90.72	98.81	86.18	112.25	105.02	83.67	88.62	55.72	133.61

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	153.89	180.77	142.73	141.13	167.26	133.12	144.73	119.32	93.72	104.99	88.48	142.40
CRMS0276 - Just east of Wilkinson Canal	4.59	-6.85	-4.54	-2.47	-6.85	-7.57	-0.38	1.81	3.52	2.60	-2.24	0.02
Barataria Waterway at Lafitte (USACE82875)	1.29	2.95	0.18	1.99	0.87	0.42	-0.55	0.36	2.70	4.06	2.37	2.99
USGS2928590900040000 Barataria Waterway South of Lafitte	111.52	137.99	98.99	99.52	122.99	96.07	108.59	65.76	26.02	34.91	14.80	25.66
USGS7380251 Barataria Bay North of Grand Isle	38.96	64.64	41.64	51.59	64.30	45.90	46.95	29.24	2.39	0.21	1.67	1.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	51.84	75.88	47.83	53.53	66.30	54.61	62.84	39.40	7.85	6.51	3.29	5.28
USGS 07380335 - Little Lake Near Cutoff	30.60	49.43	28.19	35.31	44.38	38.29	43.79	26.16	5.22	3.14	0.58	1.63
USGS073802516 Barataria Pass at Grand Isle	19.20	30.65	13.61	21.56	18.89	15.04	18.19	14.08	4.83	2.63	0.75	0.95
HWQ14 - Lake Washington	10.29	22.50	9.79	21.68	18.45	16.56	13.71	9.26	1.15	-0.01	-0.15	0.53
HWQ16 - Bayou Grand Liard	2.73	2.07	0.09	3.81	3.55	2.14	2.15	2.33	3.17	0.95	-1.33	-0.24
CRMS 3985	4.48	18.79	13.72	23.81	29.09	22.16	20.74	6.13	-8.66	-8.36	-3.22	-1.07
CRMS 0258	23.17	24.72	10.63	15.74	22.91	20.63	32.98	18.40	2.21	3.07	0.73	1.10
CRMS 0224	35.54	41.28	19.81	26.75	34.64	32.48	47.66	29.93	5.11	4.95	2.03	3.26
CRMS 0163	0.70	1.76	0.00	0.24	0.50	0.50	0.00	1.49	2.89	3.35	1.30	1.73
CRMS 0162	0.45	0.21	-1.29	1.08	-0.49	-0.23	-1.13	0.57	6.50	12.77	2.10	3.91

Figure WQ TSS 94 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.00	2.56	11.17	13.99	15.34	10.14	8.55	8.79	7.03	6.96	4.09	8.93
CRMS0276 - Just east of Wilkinson Canal	48.14	35.76	89.13	92.85	105.54	38.87	22.52	23.15	31.12	22.71	25.55	96.58
Barataria Waterway at Lafitte (USACE82875)	93.35	79.68	167.46	118.32	140.07	52.45	56.90	59.68	59.01	58.38	58.81	173.51
USGS2928590900040000 Barataria Waterway South of Lafitte	2.64	1.85	7.05	16.31	18.07	10.71	5.84	5.67	5.79	5.83	3.16	6.74
USGS7380251 Barataria Bay North of Grand Isle	6.08	7.90	15.61	13.31	10.37	7.50	7.12	7.44	9.05	10.47	7.45	6.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.55	7.31	15.28	22.57	17.30	10.38	7.05	8.35	7.21	7.37	6.68	10.04
USGS 07380335 - Little Lake Near Cutoff	20.13	11.44	22.64	34.90	28.85	14.18	8.58	9.36	8.48	8.43	9.14	20.03
USGS073802516 Barataria Pass at Grand Isle	12.54	8.44	17.82	29.29	27.11	16.27	10.92	11.52	7.63	8.90	7.31	14.89
HWQ14 - Lake Washington	3.05	5.25	11.99	12.74	8.90	6.61	4.40	4.55	4.79	6.26	5.54	4.67
HWQ16 - Bayou Grand Liard	38.24	20.39	60.63	64.75	71.62	29.83	15.44	14.89	13.24	10.96	14.91	56.74
CRMS 3985	13.08	15.79	27.70	11.85	7.35	4.90	3.34	3.72	11.40	13.81	11.63	4.75
CRMS 0258	7.42	4.44	34.24	34.91	43.01	24.68	21.04	21.02	11.54	10.65	4.35	28.97
CRMS 0224	9.30	7.36	13.91	31.42	33.08	19.42	10.06	11.06	12.86	10.97	5.33	10.65
CRMS 0163	105.06	98.40	191.35	125.03	142.86	40.72	58.00	68.15	66.12	59.46	82.34	206.63
CRMS 0162	128.66	102.43	237.41	136.94	167.00	60.03	78.15	78.51	53.78	37.27	65.13	249.63

V3PR4 HYST - cy 2 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.29	133.42	345.97	222.07	247.68	106.83	112.75	86.58	85.05	82.34	128.94	337.97
CRMS0276 - Just east of Wilkinson Canal	51.21	36.55	75.95	89.10	100.35	34.81	25.37	25.44	32.61	23.85	24.98	78.49
Barataria Waterway at Lafitte (USACE82875)	96.30	83.62	171.38	120.01	144.37	53.13	56.29	60.87	61.45	61.22	61.17	174.51
USGS2928590900040000 Barataria Waterway South of Lafitte	40.42	23.92	270.66	174.03	196.90	73.66	81.23	39.42	31.09	35.65	32.83	271.31
USGS7380251 Barataria Bay North of Grand Isle	25.71	12.24	133.08	93.91	108.70	36.65	41.88	19.21	12.59	11.07	13.93	132.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	35.97	12.57	168.08	103.97	121.43	41.27	50.05	19.93	13.42	13.11	10.78	167.48
USGS 07380335 - Little Lake Near Cutoff	40.30	13.72	132.68	85.69	101.66	35.15	38.54	16.51	11.74	11.14	9.47	126.20
USGS073802516 Barataria Pass at Grand Isle	31.41	10.50	66.56	55.99	58.28	25.06	23.85	17.88	10.67	11.27	8.32	70.49
HWQ14 - Lake Washington	19.90	7.63	36.55	42.28	42.53	19.99	14.21	8.63	6.14	6.60	5.78	35.55
HWQ16 - Bayou Grand Liard	42.94	21.29	68.18	66.66	71.85	28.76	18.54	15.98	14.87	11.39	14.24	62.41
CRMS 3985	25.08	16.35	60.21	46.61	56.25	22.39	18.15	7.29	6.29	7.32	10.94	51.51
CRMS 0258	20.04	5.28	84.08	57.56	78.19	37.00	45.61	27.63	13.15	13.34	5.31	84.15
CRMS 0224	31.47	9.67	92.73	69.52	85.00	36.66	45.14	21.52	16.44	15.02	7.53	95.79
CRMS 0163	106.76	101.24	193.24	126.45	145.94	41.15	58.20	69.67	68.35	61.93	83.23	206.44
CRMS 0162	130.14	108.40	237.04	137.27	169.25	59.93	77.60	78.81	64.20	45.01	67.13	247.22

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	138.29	130.86	334.80	208.08	232.34	96.69	104.20	77.79	78.02	75.38	124.86	329.04
CRMS0276 - Just east of Wilkinson Canal	3.07	0.79	-13.18	-3.75	-5.19	-4.06	2.84	2.30	1.49	1.14	-0.57	-18.09
Barataria Waterway at Lafitte (USACE82875)	2.95	3.94	3.92	1.69	4.30	0.68	-0.61	1.19	2.43	2.84	2.35	1.00
USGS2928590900040000 Barataria Waterway South of Lafitte	37.78	22.07	263.61	157.72	178.83	62.95	75.38	33.74	25.30	29.82	29.68	264.57
USGS7380251 Barataria Bay North of Grand Isle	19.63	4.34	117.47	80.59	98.32	29.14	34.76	11.77	3.54	0.61	6.49	125.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.42	5.26	152.80	81.39	104.13	30.89	43.00	11.58	6.20	5.74	4.11	157.44
USGS 07380335 - Little Lake Near Cutoff	20.17	2.28	110.04	50.79	72.81	20.97	29.96	7.15	3.25	2.71	0.33	106.17
USGS073802516 Barataria Pass at Grand Isle	18.87	2.06	48.74	26.71	31.17	8.78	12.93	6.36	3.05	2.37	1.01	55.61
HWQ14 - Lake Washington	16.86	2.37	24.57	29.53	33.63	13.37	9.81	4.08	1.35	0.34	0.24	30.88
HWQ16 - Bayou Grand Liard	4.70	0.90	7.55	1.91	0.23	-1.08	3.11	1.10	1.63	0.44	-0.67	5.67
CRMS 3985	12.00	0.56	32.51	34.76	48.90	17.49	14.81	3.58	-5.10	-6.49	-0.69	46.77
CRMS 0258	12.62	0.84	49.85	22.65	35.17	12.32	24.58	6.62	1.61	2.70	0.97	55.18
CRMS 0224	22.17	2.31	78.81	38.09	51.92	17.24	35.08	10.46	3.59	4.04	2.20	85.14
CRMS 0163	1.70	2.85	1.89	1.42	3.08	0.42	0.20	1.51	2.23	2.48	0.90	-0.19
CRMS 0162	1.48	5.97	-0.36	0.33	2.25	-0.10	-0.55	0.30	10.42	7.74	2.00	-2.40

Figure WQ TSS 95 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.54	5.42	8.78	10.87	11.33	9.40	7.33	7.03	7.38	7.61	12.12	11.27
CRMS0276 - Just east of Wilkinson Canal	50.49	46.17	69.79	54.53	51.18	41.76	24.03	13.59	31.92	23.69	71.46	120.75
Barataria Waterway at Lafitte (USACE82875)	100.83	78.90	109.33	68.85	70.19	72.94	60.56	57.70	74.77	72.75	139.95	164.73
USGS2928590900040000 Barataria Waterway South of Lafitte	4.95	4.57	7.76	12.30	12.45	9.22	6.14	5.59	5.71	5.94	8.17	10.13
USGS7380251 Barataria Bay North of Grand Isle	8.05	7.83	9.40	9.43	8.26	7.47	6.76	11.30	13.43	12.45	11.82	12.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.30	8.97	14.76	15.48	11.44	7.96	7.47	7.06	7.77	7.84	12.01	19.95
USGS 07380335 - Little Lake Near Cutoff	21.81	14.30	23.24	22.86	16.67	10.22	9.55	6.42	8.60	8.60	18.16	36.92
USGS073802516 Barataria Pass at Grand Isle	14.54	10.51	17.96	20.14	16.66	12.01	11.34	8.80	7.98	9.19	13.24	26.38
HWQ14 - Lake Washington	4.93	5.21	8.69	8.99	7.02	5.50	4.35	4.75	7.18	7.60	7.53	8.99
HWQ16 - Bayou Grand Liard	43.59	27.78	53.09	40.15	30.98	21.42	16.76	12.86	12.39	11.37	39.92	82.70
CRMS 3985	13.47	13.33	9.67	7.24	5.50	4.74	4.22	16.30	18.40	16.56	17.04	16.81
CRMS 0258	17.59	18.04	22.90	24.28	26.69	28.71	12.92	7.51	10.59	14.13	27.89	28.35
CRMS 0224	11.19	10.21	15.91	21.39	19.49	14.66	10.30	9.29	11.76	10.57	11.85	21.77
CRMS 0163	116.55	97.98	118.71	73.16	64.94	72.06	62.27	67.34	84.65	94.65	186.49	173.81
CRMS 0162	144.07	113.18	154.59	86.96	71.62	85.72	81.10	64.60	61.68	85.20	192.94	215.41

V3PR5 HYST - cy 2 - 1985 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	209.52	171.24	221.99	149.38	130.42	117.42	89.43	95.75	106.34	151.59	301.51	280.95
CRMS0276 - Just east of Wilkinson Canal	60.53	41.78	57.79	50.97	47.87	38.10	22.99	15.97	34.33	25.51	68.66	102.49
Barataria Waterway at Lafitte (USACE82875)	102.89	81.43	112.46	70.94	70.91	73.65	62.00	60.45	77.80	76.32	142.91	168.53
USGS2928590900040000 Barataria Waterway South of Lafitte	156.67	108.08	167.59	104.79	89.47	70.94	44.79	41.23	36.62	64.13	211.84	224.07
USGS7380251 Barataria Bay North of Grand Isle	75.92	50.54	91.43	57.53	51.28	35.87	17.74	13.17	14.47	15.88	103.12	133.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	95.02	58.82	107.29	63.54	55.94	42.71	19.60	13.09	13.99	20.37	110.75	156.18
USGS 07380335 - Little Lake Near Cutoff	76.33	43.46	88.44	53.26	47.58	32.98	17.80	8.95	11.63	12.95	75.21	132.02
USGS073802516 Barataria Pass at Grand Isle	49.09	25.05	49.35	38.44	30.97	20.39	16.54	10.96	9.47	11.76	50.21	82.99
HWQ14 - Lake Washington	28.72	17.38	29.36	28.19	22.28	13.77	9.33	5.32	6.74	7.32	30.22	50.37
HWQ16 - Bayou Grand Liard	49.65	30.10	56.56	41.66	33.92	23.41	17.16	12.39	13.36	11.60	43.63	89.62
CRMS 3985	31.82	18.24	41.72	30.13	26.12	15.82	7.08	4.44	13.27	8.96	29.23	62.38
CRMS 0258	61.85	34.13	55.13	37.88	42.25	36.72	18.21	10.84	11.64	17.72	58.40	82.97
CRMS 0224	72.26	37.80	64.54	43.52	44.17	30.33	21.14	14.44	15.47	16.53	69.60	99.56
CRMS 0163	118.36	99.96	121.29	74.50	65.38	72.27	63.29	70.07	87.50	98.03	188.94	176.42
CRMS 0162	144.84	113.88	155.53	87.26	70.70	85.10	82.07	71.37	72.81	95.07	193.66	216.22

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	201.98	165.83	213.21	138.51	119.08	108.01	82.11	88.72	98.96	143.98	289.39	269.68
CRMS0276 - Just east of Wilkinson Canal	10.03	-4.40	-12.00	-3.56	-3.31	-3.67	-1.04	2.38	2.41	1.82	-2.79	-18.26
Barataria Waterway at Lafitte (USACE82875)	2.06	2.54	3.13	2.10	0.73	0.71	1.44	2.76	3.03	3.56	2.96	3.80
USGS2928590900040000 Barataria Waterway South of Lafitte	151.73	103.52	159.83	92.49	77.02	61.71	38.65	35.64	30.91	58.18	203.66	213.94
USGS7380251 Barataria Bay North of Grand Isle	67.87	42.71	82.03	48.10	43.02	28.40	10.98	1.88	1.04	3.43	91.29	120.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	82.72	49.84	92.53	48.05	44.50	34.75	12.13	6.02	6.22	12.52	98.74	136.23
USGS 07380335 - Little Lake Near Cutoff	54.52	29.16	65.20	30.40	30.92	22.76	8.24	2.53	3.03	4.35	57.05	95.11
USGS073802516 Barataria Pass at Grand Isle	34.55	14.54	31.39	18.29	14.31	8.38	5.20	2.16	1.49	2.57	36.98	56.61
HWQ14 - Lake Washington	23.80	12.16	20.66	19.20	15.26	8.27	4.98	0.57	-0.43	-0.28	22.70	41.39
HWQ16 - Bayou Grand Liard	6.06	2.32	3.47	1.51	2.95	2.00	0.40	-0.47	0.97	0.23	3.71	6.92
CRMS 3985	18.35	4.92	32.05	22.89	20.62	11.08	2.86	-11.86	-5.13	-7.60	12.19	45.57
CRMS 0258	44.26	16.09	32.23	13.61	15.56	8.00	5.29	3.33	1.04	3.60	30.51	54.62
CRMS 0224	61.07	27.60	48.63	22.13	24.68	15.67	10.83	5.15	3.71	5.96	57.75	77.79
CRMS 0163	1.82	1.98	2.57	1.34	0.45	0.21	1.02	2.73	2.86	3.39	2.45	2.60
CRMS 0162	0.76	0.70	0.94	0.29	-0.92	-0.63	0.97	6.77	11.13	9.87	0.72	0.81

Figure WQ TSS 96 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.91	6.53	8.30	10.57	11.63	8.58	7.19	7.03	6.87	6.45	4.04	9.69
CRMS0276 - Just east of Wilkinson Canal	45.54	72.00	60.54	57.83	56.52	31.44	18.08	15.35	22.13	18.45	35.79	65.45
Barataria Waterway at Lafitte (USACE82875)	87.14	111.02	91.72	76.82	72.82	52.10	61.48	60.30	59.65	53.44	84.72	134.75
USGS2928590900040000 Barataria Waterway South of Lafitte	3.93	5.39	7.65	11.93	13.39	8.46	5.54	5.38	5.36	5.25	2.95	5.86
USGS7380251 Barataria Bay North of Grand Isle	11.21	9.60	8.40	8.75	7.99	6.77	6.27	11.61	11.70	10.65	9.10	13.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.57	11.12	14.66	14.92	12.61	7.79	6.60	6.94	7.12	6.93	7.50	8.84
USGS 07380335 - Little Lake Near Cutoff	16.84	19.94	22.95	22.52	19.31	9.79	7.67	6.55	7.06	7.38	10.76	14.40
USGS073802516 Barataria Pass at Grand Isle	11.83	14.13	17.90	19.36	18.97	11.64	9.50	8.98	7.38	8.16	7.97	11.43
HWQ14 - Lake Washington	7.68	6.23	8.52	8.21	7.09	5.39	4.26	4.87	6.49	6.66	6.28	7.32
HWQ16 - Bayou Grand Liard	32.25	47.46	49.16	39.96	39.98	17.34	10.45	12.64	9.55	9.73	18.66	34.95
CRMS 3985	19.71	16.48	7.04	6.29	5.06	4.00	3.85	16.41	14.71	13.78	17.08	25.96
CRMS 0258	14.59	21.38	20.35	24.85	28.21	20.68	13.40	7.99	9.24	8.70	3.58	24.10
CRMS 0224	8.38	13.69	15.80	20.81	22.45	13.77	9.14	9.30	10.55	9.15	5.50	8.22
CRMS 0163	98.03	128.80	98.89	84.74	65.88	49.89	67.74	63.36	66.47	60.48	114.24	165.68
CRMS 0162	121.73	149.44	129.87	100.30	81.62	58.43	90.93	69.93	40.79	38.91	94.58	199.73

V3PR5 HYST - cy 2 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	156.36	225.43	192.88	169.40	140.86	74.81	96.92	84.75	85.82	94.21	147.55	255.66
CRMS0276 - Just east of Wilkinson Canal	44.56	64.35	50.63	53.53	53.24	30.64	18.79	18.40	24.13	19.87	35.65	61.25
Barataria Waterway at Lafitte (USACE82875)	88.83	113.67	93.77	78.87	74.50	53.45	63.64	63.19	61.91	57.70	89.14	137.88
USGS2928590900040000 Barataria Waterway South of Lafitte	92.66	170.99	142.81	121.96	98.12	37.02	45.57	40.42	31.92	34.69	26.89	139.88
USGS7380251 Barataria Bay North of Grand Isle	43.03	84.11	77.11	65.78	54.86	20.04	13.28	12.78	12.42	10.84	11.87	57.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	58.36	103.96	90.62	72.45	60.30	22.50	13.50	13.28	12.31	12.32	12.12	70.00
USGS 07380335 - Little Lake Near Cutoff	44.09	80.34	74.76	59.37	52.20	21.01	10.83	9.74	9.54	9.58	11.47	49.53
USGS073802516 Barataria Pass at Grand Isle	32.72	47.84	42.79	39.42	35.12	19.36	11.90	11.74	8.38	10.24	9.47	24.71
HWQ14 - Lake Washington	18.60	28.89	26.64	28.59	26.36	13.36	6.08	5.02	5.84	6.41	6.16	15.89
HWQ16 - Bayou Grand Liard	35.29	50.84	49.83	42.06	40.66	19.67	11.12	12.81	10.51	9.88	18.29	35.69
CRMS 3985	22.54	34.90	36.26	32.82	32.43	11.61	4.59	4.32	10.55	7.17	10.47	29.64
CRMS 0258	34.21	53.15	45.88	42.13	45.07	23.47	16.23	11.21	10.46	11.33	4.14	45.10
CRMS 0224	39.69	65.38	54.40	48.97	48.81	21.44	14.50	14.59	13.97	13.15	8.55	44.01
CRMS 0163	99.38	131.05	101.09	85.77	67.08	50.63	69.45	66.45	69.07	64.60	117.28	167.91
CRMS 0162	121.89	149.66	131.11	100.79	81.54	58.22	91.22	74.33	46.40	45.69	96.51	201.09

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	149.46	218.89	184.58	158.83	129.22	66.23	89.73	77.72	78.95	87.76	143.51	245.97
CRMS0276 - Just east of Wilkinson Canal	-0.98	-7.65	-9.91	-4.31	-3.28	-0.81	0.70	3.05	2.00	1.42	-0.14	-4.20
Barataria Waterway at Lafitte (USACE82875)	1.68	2.66	2.05	2.05	1.68	1.35	2.16	2.89	2.26	4.26	4.41	3.13
USGS2928590900040000 Barataria Waterway South of Lafitte	88.73	165.61	135.16	110.03	84.73	28.55	40.03	35.04	26.55	29.44	23.94	134.02
USGS7380251 Barataria Bay North of Grand Isle	31.82	74.51	68.71	57.04	46.87	13.27	7.01	1.17	0.72	0.18	2.76	44.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.79	92.84	75.96	57.53	47.68	14.70	6.90	6.34	5.19	5.39	4.62	61.16
USGS 07380335 - Little Lake Near Cutoff	27.25	60.39	51.82	36.85	32.88	11.23	3.16	3.19	2.48	2.19	0.71	35.13
USGS073802516 Barataria Pass at Grand Isle	20.89	33.71	24.89	20.06	16.15	7.72	2.40	2.76	1.00	2.08	1.50	13.27
HWQ14 - Lake Washington	10.92	22.65	18.12	20.38	19.27	7.97	1.82	0.15	-0.65	-0.25	-0.12	8.56
HWQ16 - Bayou Grand Liard	3.04	3.38	0.66	2.11	0.67	2.33	0.67	0.18	0.96	0.15	-0.37	0.74
CRMS 3985	2.83	18.41	29.22	26.54	27.37	7.61	0.74	-12.09	-4.16	-6.60	-6.61	3.67
CRMS 0258	19.62	31.77	25.53	17.28	16.87	2.79	2.83	3.22	1.22	2.63	0.56	21.00
CRMS 0224	31.31	51.69	38.60	28.16	26.36	7.66	5.36	5.29	3.42	3.99	3.05	35.78
CRMS 0163	1.34	2.26	2.20	1.03	1.21	0.74	1.71	3.09	2.60	4.12	3.04	2.22
CRMS 0162	0.17	0.21	1.24	0.49	-0.08	-0.21	0.29	4.41	5.61	6.78	1.93	1.37

Figure WQ TSS 97 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.79	8.20	7.66	10.33	13.12	7.56	6.77	6.68	5.92	6.32	8.33	9.56
CRMS0276 - Just east of Wilkinson Canal	22.45	101.02	63.14	97.39	81.71	45.68	12.82	9.10	12.15	23.25	57.87	60.07
Barataria Waterway at Lafitte (USACE82875)	77.17	157.68	114.30	116.69	115.72	82.74	54.01	49.65	26.96	93.99	123.23	114.63
USGS2928590900040000 Barataria Waterway South of Lafitte	2.33	6.83	6.75	12.58	13.88	7.52	4.95	4.95	4.44	4.38	5.38	7.21
USGS7380251 Barataria Bay North of Grand Isle	10.12	13.78	11.64	10.98	11.78	8.15	14.09	12.51	9.22	13.48	10.84	13.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.74	12.19	12.44	17.57	13.47	8.49	7.43	7.26	5.89	6.33	10.35	10.87
USGS 07380335 - Little Lake Near Cutoff	9.05	23.55	17.26	29.03	20.73	11.66	7.10	6.40	5.54	6.52	15.32	17.00
USGS073802516 Barataria Pass at Grand Isle	7.03	16.20	14.56	23.33	19.38	13.39	8.73	8.28	6.31	7.17	11.44	13.38
HWQ14 - Lake Washington	6.34	7.61	10.60	10.11	9.01	6.33	8.03	7.22	5.78	7.61	7.59	7.95
HWQ16 - Bayou Grand Liard	14.70	58.12	34.23	61.49	43.52	27.30	11.55	11.32	8.80	11.31	32.28	34.90
CRMS 3985	20.41	24.44	17.66	11.10	13.34	9.32	20.45	14.58	8.91	20.10	17.37	24.04
CRMS 0258	5.27	26.09	17.16	33.54	36.48	13.58	6.58	5.99	5.76	5.20	18.26	19.41
CRMS 0224	4.79	15.52	12.21	27.29	23.66	15.58	8.04	8.04	7.78	6.93	8.82	10.57
CRMS 0163	107.60	180.65	142.35	115.90	117.99	80.99	54.58	48.10	28.65	118.62	164.20	135.05
CRMS 0162	114.30	187.51	140.42	111.11	123.16	96.47	59.38	36.48	21.41	91.76	158.58	162.80

V3PR5 HYST - cy 2 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	169.92	253.67	230.23	152.27	196.50	117.03	89.73	56.00	49.31	158.35	194.28	169.38
CRMS0276 - Just east of Wilkinson Canal	24.17	95.56	62.45	99.76	79.64	46.31	14.69	9.79	13.91	24.97	57.82	62.31
Barataria Waterway at Lafitte (USACE82875)	81.98	161.71	119.68	120.42	118.50	84.97	58.23	52.47	32.97	99.17	127.25	120.09
USGS2928590900040000 Barataria Waterway South of Lafitte	51.84	159.11	121.40	54.82	120.37	36.29	40.23	32.88	21.05	47.26	35.23	33.92
USGS7380251 Barataria Bay North of Grand Isle	15.04	81.54	59.43	44.51	67.36	16.78	11.42	10.84	9.73	14.54	18.69	15.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.44	96.09	66.46	51.14	74.75	18.75	12.36	10.65	8.58	14.16	18.51	17.33
USGS 07380335 - Little Lake Near Cutoff	10.93	76.88	47.79	54.63	57.38	18.07	10.22	7.52	6.10	9.72	18.49	19.71
USGS073802516 Barataria Pass at Grand Isle	8.28	53.15	32.65	43.71	34.44	18.02	10.58	8.76	6.44	9.66	14.88	15.32
HWQ14 - Lake Washington	5.14	30.14	20.37	30.09	21.89	10.35	5.41	4.45	4.84	7.74	10.03	9.25
HWQ16 - Bayou Grand Liard	16.48	62.87	37.89	64.78	45.00	29.50	12.52	11.72	7.92	10.12	31.89	37.27
CRMS 3985	15.07	33.77	20.57	28.18	26.63	8.74	4.18	6.05	5.88	15.76	19.46	17.46
CRMS 0258	8.49	45.47	25.78	36.82	49.73	14.39	9.25	8.99	7.25	9.94	20.82	22.08
CRMS 0224	9.39	56.34	33.47	39.86	49.58	19.66	12.72	11.95	9.80	13.23	13.76	14.06
CRMS 0163	110.52	183.68	145.44	117.99	119.34	82.72	58.25	50.35	35.01	122.66	165.67	138.92
CRMS 0162	117.68	186.66	142.17	112.76	125.11	99.33	65.94	39.44	23.15	112.88	159.61	165.76

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	166.13	245.46	222.57	141.94	183.38	109.47	82.96	49.32	43.39	152.04	185.95	159.81
CRMS0276 - Just east of Wilkinson Canal	1.72	-5.46	-0.68	2.37	-2.07	0.63	1.87	0.69	1.76	1.72	-0.06	2.25
Barataria Waterway at Lafitte (USACE82875)	4.81	4.03	5.38	3.73	2.78	2.23	4.21	2.82	6.00	5.18	4.03	5.46
USGS2928590900040000 Barataria Waterway South of Lafitte	49.52	152.27	114.65	42.24	106.48	28.77	35.28	27.93	16.61	42.88	29.85	26.71
USGS7380251 Barataria Bay North of Grand Isle	4.92	67.75	47.78	33.53	55.58	8.63	-2.67	-1.67	0.51	1.05	7.86	2.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.70	83.91	54.02	33.57	61.29	10.26	4.94	3.39	2.68	7.83	8.16	6.46
USGS 07380335 - Little Lake Near Cutoff	1.89	53.34	30.53	25.60	36.66	6.41	3.12	1.13	0.56	3.20	3.17	2.71
USGS073802516 Barataria Pass at Grand Isle	1.25	36.95	18.09	20.37	15.06	4.63	1.85	0.48	0.13	2.49	3.44	1.94
HWQ14 - Lake Washington	-1.20	22.53	9.77	19.99	12.87	4.02	-2.62	-2.77	-0.94	0.13	2.44	1.30
HWQ16 - Bayou Grand Liard	1.78	4.75	3.66	3.29	1.49	2.20	0.98	0.40	-0.88	-1.19	-0.39	2.37
CRMS 3985	-5.34	9.33	2.91	17.08	13.29	-0.58	-16.26	-8.53	-3.03	-4.34	2.08	-6.58
CRMS 0258	3.22	19.38	8.62	3.28	13.24	0.81	2.67	3.00	1.49	4.74	2.56	2.67
CRMS 0224	4.60	40.82	21.25	12.57	25.91	4.09	4.68	3.92	2.02	6.30	4.95	3.49
CRMS 0163	2.92	3.03	3.08	2.09	1.35	1.73	3.68	2.25	6.35	4.04	1.46	3.86
CRMS 0162	3.39	-0.84	1.75	1.64	1.95	2.86	6.56	2.96	1.74	21.12	1.03	2.95

Figure WQ TSS 98 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.10	4.99	7.06	10.39	11.93	9.73	9.31	10.16	8.78	7.75	4.51	6.32
CRMS0276 - Just east of Wilkinson Canal	27.83	63.43	38.10	63.71	66.14	53.43	33.86	31.85	39.61	27.78	26.26	31.68
Barataria Waterway at Lafitte (USACE82875)	66.63	92.61	59.41	78.88	91.80	74.22	76.29	73.57	70.56	73.77	57.25	87.24
USGS2928590900040000 Barataria Waterway South of Lafitte	2.71	4.40	6.59	11.67	13.20	10.16	6.40	7.16	7.89	6.69	3.59	3.62
USGS7380251 Barataria Bay North of Grand Isle	7.96	6.79	6.38	8.75	8.48	7.39	7.57	9.39	12.49	11.96	8.19	9.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.36	9.20	11.13	14.14	11.79	8.98	7.91	8.99	8.64	8.34	7.30	5.88
USGS 07380335 - Little Lake Near Cutoff	9.72	17.38	16.49	22.35	17.94	12.68	10.95	11.31	10.55	9.88	9.63	7.96
USGS073802516 Barataria Pass at Grand Isle	7.16	12.37	13.37	18.48	17.03	14.96	13.10	13.19	9.12	9.95	8.10	7.15
HWQ14 - Lake Washington	5.38	4.49	6.82	7.73	6.84	5.60	4.37	4.62	6.55	7.23	6.16	5.45
HWQ16 - Bayou Grand Liard	20.60	43.58	28.41	41.00	36.19	33.13	25.65	21.81	17.53	12.68	15.23	17.21
CRMS 3985	13.29	11.03	4.80	6.61	5.60	4.80	3.69	10.36	15.71	16.27	13.00	19.08
CRMS 0258	9.86	15.83	16.13	25.32	29.91	29.61	26.50	26.87	17.68	11.59	3.72	8.11
CRMS 0224	4.85	11.39	12.45	21.23	20.74	18.50	11.27	12.10	15.11	11.94	6.25	4.24
CRMS 0163	83.84	104.47	71.18	81.01	94.96	70.75	76.21	86.62	79.95	83.13	68.18	110.53
CRMS 0162	98.31	122.91	84.30	89.63	99.29	86.41	113.38	104.45	77.17	75.85	53.62	129.70

V3PR5 HYST - cy 2 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.74	185.51	149.49	151.29	178.96	142.62	153.75	129.18	102.07	112.18	92.18	147.45
CRMS0276 - Just east of Wilkinson Canal	32.53	56.64	33.35	61.22	59.68	46.00	33.24	33.51	43.13	29.85	24.09	32.22
Barataria Waterway at Lafitte (USACE82875)	68.00	95.30	60.05	81.00	92.70	74.74	75.77	73.88	73.46	77.48	59.81	91.07
USGS2928590900040000 Barataria Waterway South of Lafitte	112.44	137.03	102.99	107.12	131.83	104.23	114.96	73.47	33.56	40.25	19.09	30.02
USGS7380251 Barataria Bay North of Grand Isle	48.23	72.79	49.09	61.22	74.11	54.68	55.79	39.57	14.97	12.29	9.61	11.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	58.08	84.85	58.51	67.50	77.82	63.46	70.32	48.38	16.55	14.96	10.41	11.13
USGS 07380335 - Little Lake Near Cutoff	40.01	66.27	44.60	57.55	61.86	50.75	54.57	37.17	16.01	13.10	10.04	9.62
USGS073802516 Barataria Pass at Grand Isle	26.28	42.78	26.67	39.99	35.78	30.01	31.16	27.13	14.09	12.71	8.72	8.07
HWQ14 - Lake Washington	15.82	27.15	16.71	29.61	25.45	22.48	18.42	14.15	7.88	7.29	5.95	5.96
HWQ16 - Bayou Grand Liard	23.52	45.63	28.59	44.79	39.63	35.50	27.99	24.05	21.11	13.53	13.93	17.33
CRMS 3985	18.45	31.09	19.60	31.16	35.72	27.93	25.44	17.28	7.16	8.06	9.49	17.95
CRMS 0258	32.45	39.93	26.47	40.73	52.44	50.05	59.43	45.13	19.78	14.55	4.36	9.12
CRMS 0224	39.57	51.54	31.32	47.34	54.73	50.34	58.41	41.65	20.50	16.86	8.13	7.47
CRMS 0163	84.71	106.26	70.93	81.31	95.67	71.58	76.21	88.45	83.05	86.30	69.95	112.75
CRMS 0162	98.94	123.30	83.24	90.64	99.42	85.46	112.26	105.05	85.21	88.47	55.55	133.82

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	153.64	180.52	142.43	140.90	167.02	132.89	144.44	119.02	93.29	104.43	87.67	141.13
CRMS0276 - Just east of Wilkinson Canal	4.70	-6.79	-4.75	-2.49	-6.46	-7.43	-0.62	1.66	3.52	2.07	-2.16	0.55
Barataria Waterway at Lafitte (USACE82875)	1.38	2.68	0.64	2.12	0.90	0.53	-0.52	0.31	2.90	3.71	2.56	3.82
USGS2928590900040000 Barataria Waterway South of Lafitte	109.73	132.63	96.40	95.45	118.64	94.06	108.55	66.31	25.67	33.56	15.50	26.40
USGS7380251 Barataria Bay North of Grand Isle	40.26	66.00	42.70	52.47	65.63	47.29	48.22	30.17	2.48	0.33	1.42	1.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	51.72	75.65	47.38	53.36	66.03	54.48	62.42	39.39	7.91	6.62	3.11	5.25
USGS 07380335 - Little Lake Near Cutoff	30.30	48.89	28.10	35.19	43.92	38.06	43.62	25.86	5.46	3.21	0.41	1.67
USGS073802516 Barataria Pass at Grand Isle	19.11	30.41	13.30	21.51	18.75	15.06	18.06	13.93	4.97	2.77	0.63	0.92
HWQ14 - Lake Washington	10.44	22.65	9.89	21.88	18.61	16.88	14.05	9.53	1.33	0.06	-0.21	0.51
HWQ16 - Bayou Grand Liard	2.92	2.05	0.18	3.79	3.44	2.37	2.33	2.24	3.58	0.85	-1.30	0.13
CRMS 3985	5.16	20.05	14.81	24.55	30.12	23.13	21.75	6.92	-8.55	-8.21	-3.51	-1.13
CRMS 0258	22.59	24.10	10.34	15.41	22.54	20.44	32.93	18.26	2.10	2.96	0.64	1.00
CRMS 0224	34.72	40.15	18.86	26.12	33.99	31.84	47.14	29.55	5.39	4.92	1.88	3.23
CRMS 0163	0.86	1.78	-0.26	0.30	0.71	0.83	0.01	1.82	3.10	3.18	1.77	2.22
CRMS 0162	0.63	0.39	-1.07	1.01	0.13	-0.96	-1.12	0.60	8.03	12.62	1.93	4.12

Figure WQ TSS 99 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.00	2.56	11.17	13.99	15.34	10.14	8.55	8.79	7.03	6.96	4.09	8.93
CRMS0276 - Just east of Wilkinson Canal	48.14	35.76	89.13	92.85	105.54	38.87	22.52	23.15	31.12	22.71	25.55	96.58
Barataria Waterway at Lafitte (USACE82875)	93.35	79.68	167.46	118.32	140.07	52.45	56.90	59.68	59.01	58.38	58.81	173.51
USGS2928590900040000 Barataria Waterway South of Lafitte	2.64	1.85	7.05	16.31	18.07	10.71	5.84	5.67	5.79	5.83	3.16	6.74
USGS7380251 Barataria Bay North of Grand Isle	6.08	7.90	15.61	13.31	10.37	7.50	7.12	7.44	9.05	10.47	7.45	6.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.55	7.31	15.28	22.57	17.30	10.38	7.05	8.35	7.21	7.37	6.68	10.04
USGS 07380335 - Little Lake Near Cutoff	20.13	11.44	22.64	34.90	28.85	14.18	8.58	9.36	8.48	8.43	9.14	20.03
USGS073802516 Barataria Pass at Grand Isle	12.54	8.44	17.82	29.29	27.11	16.27	10.92	11.52	7.63	8.90	7.31	14.89
HWQ14 - Lake Washington	3.05	5.25	11.99	12.74	8.90	6.61	4.40	4.55	4.79	6.26	5.54	4.67
HWQ16 - Bayou Grand Liard	38.24	20.39	60.63	64.75	71.62	29.83	15.44	14.89	13.24	10.96	14.91	56.74
CRMS 3985	13.08	15.79	27.70	11.85	7.35	4.90	3.34	3.72	11.40	13.81	11.63	4.75
CRMS 0258	7.42	4.44	34.24	34.91	43.01	24.68	21.04	21.02	11.54	10.65	4.35	28.97
CRMS 0224	9.30	7.36	13.91	31.42	33.08	19.42	10.06	11.06	12.86	10.97	5.33	10.65
CRMS 0163	105.06	98.40	191.35	125.03	142.86	40.72	58.00	68.15	66.12	59.46	82.34	206.63
CRMS 0162	128.66	102.43	237.41	136.94	167.00	60.03	78.15	78.51	53.78	37.27	65.13	249.63

V3PR5 HYST - cy 2 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	139.84	131.95	345.58	221.82	247.36	106.68	112.58	86.36	84.89	81.97	127.83	337.57
CRMS0276 - Just east of Wilkinson Canal	52.04	36.94	75.60	89.05	100.01	34.89	25.31	25.40	33.08	23.88	25.02	78.38
Barataria Waterway at Lafitte (USACE82875)	96.55	83.68	171.63	119.87	144.08	53.20	56.48	60.54	61.44	61.31	61.01	174.82
USGS2928590900040000 Barataria Waterway South of Lafitte	43.88	25.18	264.02	168.11	189.25	69.71	80.71	40.47	30.21	34.49	34.04	267.00
USGS7380251 Barataria Bay North of Grand Isle	25.82	12.15	135.80	95.61	110.86	36.90	42.44	19.57	12.76	11.24	13.90	135.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	36.12	12.62	166.95	103.79	120.96	41.13	49.90	19.92	13.49	13.21	10.62	166.60
USGS 07380335 - Little Lake Near Cutoff	40.62	13.78	131.11	85.31	101.03	35.06	38.38	16.44	11.75	11.15	9.47	125.12
USGS073802516 Barataria Pass at Grand Isle	31.62	10.54	66.29	55.93	57.79	25.26	23.82	17.89	10.70	11.35	8.31	69.90
HWQ14 - Lake Washington	20.10	7.63	37.23	42.65	42.97	20.41	14.52	8.73	6.13	6.61	5.78	35.68
HWQ16 - Bayou Grand Liard	44.02	21.42	67.85	66.22	71.61	29.02	18.70	15.67	14.59	11.40	14.34	62.45
CRMS 3985	25.44	16.30	62.45	47.80	58.22	22.80	18.75	7.58	6.33	7.43	10.70	53.84
CRMS 0258	19.86	5.25	82.88	57.05	77.45	36.98	45.61	27.60	13.05	13.25	5.28	83.01
CRMS 0224	31.28	9.68	90.68	68.39	83.83	36.84	44.99	21.48	16.47	15.06	7.47	93.60
CRMS 0163	107.09	101.23	194.33	126.27	146.06	41.57	58.40	69.57	68.35	62.21	83.28	206.65
CRMS 0162	130.30	108.39	237.52	137.55	168.94	60.48	77.64	78.94	64.12	45.11	66.46	248.08

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.84	129.40	334.41	207.82	232.02	96.53	104.03	77.58	77.86	75.01	123.74	328.64
CRMS0276 - Just east of Wilkinson Canal	3.90	1.18	-13.53	-3.80	-5.54	-3.99	2.78	2.26	1.96	1.17	-0.54	-18.20
Barataria Waterway at Lafitte (USACE82875)	3.19	4.00	4.16	1.55	4.00	0.76	-0.42	0.86	2.43	2.93	2.20	1.31
USGS2928590900040000 Barataria Waterway South of Lafitte	41.24	23.32	256.96	151.81	171.18	59.00	74.86	34.79	24.42	28.66	30.89	260.26
USGS7380251 Barataria Bay North of Grand Isle	19.74	4.25	120.19	82.29	100.49	29.40	35.31	12.14	3.72	0.77	6.45	128.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.57	5.31	151.66	81.22	103.66	30.76	42.85	11.56	6.27	5.84	3.94	156.56
USGS 07380335 - Little Lake Near Cutoff	20.48	2.35	108.47	50.41	72.18	20.88	29.80	7.07	3.27	2.73	0.33	105.09
USGS073802516 Barataria Pass at Grand Isle	19.08	2.10	48.47	26.64	30.68	8.99	12.90	6.37	3.08	2.45	1.00	55.01
HWQ14 - Lake Washington	17.06	2.37	25.24	29.91	34.07	13.80	10.11	4.17	1.33	0.35	0.24	31.01
HWQ16 - Bayou Grand Liard	5.78	1.04	7.22	1.47	-0.01	-0.81	3.26	0.78	1.36	0.44	-0.57	5.71
CRMS 3985	12.36	0.50	34.76	35.95	50.87	17.90	15.41	3.86	-5.06	-6.38	-0.93	49.10
CRMS 0258	12.44	0.82	48.64	22.14	34.44	12.30	24.57	6.58	1.51	2.60	0.93	54.04
CRMS 0224	21.98	2.32	76.77	36.96	50.74	17.42	34.93	10.43	3.62	4.09	2.14	82.95
CRMS 0163	2.03	2.83	2.98	1.24	3.20	0.84	0.39	1.42	2.22	2.75	0.95	0.02
CRMS 0162	1.64	5.96	0.12	0.61	1.94	0.45	-0.51	0.43	10.34	7.84	1.33	-1.55

Figure WQ TSS 100 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.54	5.42	8.78	10.87	11.33	9.40	7.33	7.03	7.38	7.61	12.12	11.27
CRMS0276 - Just east of Wilkinson Canal	50.49	46.17	69.79	54.53	51.18	41.76	24.03	13.59	31.92	23.69	71.46	120.75
Barataria Waterway at Lafitte (USACE82875)	100.83	78.90	109.33	68.85	70.19	72.94	60.56	57.70	74.77	72.75	139.95	164.73
USGS2928590900040000 Barataria Waterway South of Lafitte	4.95	4.57	7.76	12.30	12.45	9.22	6.14	5.59	5.71	5.94	8.17	10.13
USGS7380251 Barataria Bay North of Grand Isle	8.05	7.83	9.40	9.43	8.26	7.47	6.76	11.30	13.43	12.45	11.82	12.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.30	8.97	14.76	15.48	11.44	7.96	7.47	7.06	7.77	7.84	12.01	19.95
USGS 07380335 - Little Lake Near Cutoff	21.81	14.30	23.24	22.86	16.67	10.22	9.55	6.42	8.60	8.60	18.16	36.92
USGS073802516 Barataria Pass at Grand Isle	14.54	10.51	17.96	20.14	16.66	12.01	11.34	8.80	7.98	9.19	13.24	26.38
HWQ14 - Lake Washington	4.93	5.21	8.69	8.99	7.02	5.50	4.35	4.75	7.18	7.60	7.53	8.99
HWQ16 - Bayou Grand Liard	43.59	27.78	53.09	40.15	30.98	21.42	16.76	12.86	12.39	11.37	39.92	82.70
CRMS 3985	13.47	13.33	9.67	7.24	5.50	4.74	4.22	16.30	18.40	16.56	17.04	16.81
CRMS 0258	17.59	18.04	22.90	24.28	26.69	28.71	12.92	7.51	10.59	14.13	27.89	28.35
CRMS 0224	11.19	10.21	15.91	21.39	19.49	14.66	10.30	9.29	11.76	10.57	11.85	21.77
CRMS 0163	116.55	97.98	118.71	73.16	64.94	72.06	62.27	67.34	84.65	94.65	186.49	173.81
CRMS 0162	144.07	113.18	154.59	86.96	71.62	85.72	81.10	64.60	61.68	85.20	192.94	215.41

V3PR6 HYST - cy 2 - 1985 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	216.70	175.32	229.60	155.63	135.34	119.21	88.43	95.17	107.05	151.68	310.41	288.88
CRMS0276 - Just east of Wilkinson Canal	75.56	40.35	65.39	52.22	51.12	38.12	23.83	16.16	35.64	26.45	72.56	105.03
Barataria Waterway at Lafitte (USACE82875)	98.17	78.94	108.24	69.76	69.95	73.06	61.39	60.04	78.43	76.35	139.78	162.49
USGS2928590900040000 Barataria Waterway South of Lafitte	178.85	120.35	196.17	127.56	103.06	74.58	44.28	40.73	37.32	66.67	241.92	253.50
USGS7380251 Barataria Bay North of Grand Isle	108.81	68.65	129.69	79.52	64.76	44.64	18.49	12.88	13.63	17.99	139.95	181.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	135.55	89.18	148.79	89.65	75.67	55.31	21.81	13.86	15.14	27.42	174.39	204.09
USGS 07380335 - Little Lake Near Cutoff	116.52	70.33	128.04	76.27	64.92	46.07	20.82	9.43	12.42	17.21	131.83	183.11
USGS073802516 Barataria Pass at Grand Isle	73.46	36.32	71.43	48.25	40.38	26.24	19.09	11.08	9.59	12.80	81.70	115.50
HWQ14 - Lake Washington	45.78	24.62	49.32	38.68	30.28	17.39	11.21	5.45	6.53	6.98	42.64	79.26
HWQ16 - Bayou Grand Liard	65.08	36.83	75.18	51.16	41.72	26.43	18.39	12.23	14.12	12.03	55.46	116.77
CRMS 3985	57.77	29.81	73.17	45.56	37.41	22.07	8.60	4.48	12.37	7.38	49.42	110.45
CRMS 0258	85.57	47.87	86.71	50.50	50.04	41.81	18.98	10.54	11.57	18.35	85.79	130.86
CRMS 0224	100.61	58.17	102.72	61.43	56.01	37.98	23.68	14.62	15.45	19.52	109.75	154.17
CRMS 0163	115.28	98.44	119.23	72.95	64.67	72.21	63.41	70.18	87.84	98.06	187.18	174.21
CRMS 0162	142.12	112.76	152.45	84.57	69.62	85.98	82.36	71.88	74.52	97.58	191.95	213.32

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	209.16	169.90	220.81	144.76	124.01	109.81	81.10	88.14	99.67	144.07	298.29	277.62
CRMS0276 - Just east of Wilkinson Canal	25.06	-5.83	-4.40	-2.31	-0.06	-3.64	-0.21	2.57	3.72	2.76	1.10	-15.72
Barataria Waterway at Lafitte (USACE82875)	-2.65	0.04	-1.09	0.92	-0.23	0.12	0.83	2.35	3.67	3.60	-0.16	-2.24
USGS2928590900040000 Barataria Waterway South of Lafitte	173.90	115.78	188.41	115.26	90.60	65.36	38.14	35.14	31.61	60.72	233.75	243.38
USGS7380251 Barataria Bay North of Grand Isle	100.76	60.82	120.30	70.09	56.50	37.17	11.72	1.58	0.21	5.55	128.13	168.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	123.25	80.20	134.04	74.17	64.23	47.34	14.34	6.80	7.37	19.58	162.38	184.13
USGS 07380335 - Little Lake Near Cutoff	94.71	56.03	104.80	53.42	48.26	35.85	11.27	3.01	3.82	8.62	113.67	146.20
USGS073802516 Barataria Pass at Grand Isle	58.92	25.81	53.47	28.11	23.72	14.22	7.75	2.28	1.60	3.61	68.46	89.11
HWQ14 - Lake Washington	40.85	19.41	40.63	29.69	23.26	11.89	6.86	0.70	-0.65	-0.62	35.12	70.27
HWQ16 - Bayou Grand Liard	21.49	9.05	22.09	11.01	10.75	5.01	1.63	-0.63	1.74	0.66	15.55	34.08
CRMS 3985	44.29	16.48	63.49	38.31	31.91	17.33	4.38	-11.82	-6.03	-9.18	32.38	93.64
CRMS 0258	67.98	29.83	63.81	26.23	23.35	13.10	6.06	3.04	0.98	4.22	57.90	102.52
CRMS 0224	89.42	47.96	86.81	40.04	36.52	23.32	13.38	5.33	3.68	8.95	97.90	132.40
CRMS 0163	-1.27	0.46	0.52	-0.21	-0.27	0.15	1.15	2.84	3.20	3.41	0.69	0.40
CRMS 0162	-1.95	-0.42	-2.14	-2.39	-2.00	0.26	1.26	7.28	12.84	12.38	-0.99	-2.09

Figure WQ TSS 101 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.91	6.53	8.30	10.57	11.63	8.58	7.19	7.03	6.87	6.45	4.04	9.69
CRMS0276 - Just east of Wilkinson Canal	45.54	72.00	60.54	57.83	56.52	31.44	18.08	15.35	22.13	18.45	35.79	65.45
Barataria Waterway at Lafitte (USACE82875)	87.14	111.02	91.72	76.82	72.82	52.10	61.48	60.30	59.65	53.44	84.72	134.75
USGS2928590900040000 Barataria Waterway South of Lafitte	3.93	5.39	7.65	11.93	13.39	8.46	5.54	5.38	5.36	5.25	2.95	5.86
USGS7380251 Barataria Bay North of Grand Isle	11.21	9.60	8.40	8.75	7.99	6.77	6.27	11.61	11.70	10.65	9.10	13.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.57	11.12	14.66	14.92	12.61	7.79	6.60	6.94	7.12	6.93	7.50	8.84
USGS 07380335 - Little Lake Near Cutoff	16.84	19.94	22.95	22.52	19.31	9.79	7.67	6.55	7.06	7.38	10.76	14.40
USGS073802516 Barataria Pass at Grand Isle	11.83	14.13	17.90	19.36	18.97	11.64	9.50	8.98	7.38	8.16	7.97	11.43
HWQ14 - Lake Washington	7.68	6.23	8.52	8.21	7.09	5.39	4.26	4.87	6.49	6.66	6.28	7.32
HWQ16 - Bayou Grand Liard	32.25	47.46	49.16	39.96	39.98	17.34	10.45	12.64	9.55	9.73	18.66	34.95
CRMS 3985	19.71	16.48	7.04	6.29	5.06	4.00	3.85	16.41	14.71	13.78	17.08	25.96
CRMS 0258	14.59	21.38	20.35	24.85	28.21	20.68	13.40	7.99	9.24	8.70	3.58	24.10
CRMS 0224	8.38	13.69	15.80	20.81	22.45	13.77	9.14	9.30	10.55	9.15	5.50	8.22
CRMS 0163	98.03	128.80	98.89	84.74	65.88	49.89	67.74	63.36	66.47	60.48	114.24	165.68
CRMS 0162	121.73	149.44	129.87	100.30	81.62	58.43	90.93	69.93	40.79	38.91	94.58	199.73

V3PR6 HYST - cy 2 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.30	233.42	199.99	175.97	146.90	74.57	95.76	85.12	86.58	93.07	142.01	259.53
CRMS0276 - Just east of Wilkinson Canal	45.88	68.76	56.94	55.33	56.23	30.58	18.38	18.09	24.48	19.99	35.77	63.01
Barataria Waterway at Lafitte (USACE82875)	86.96	109.67	90.56	77.01	73.73	52.95	63.30	62.98	62.33	57.66	88.88	136.22
USGS2928590900040000 Barataria Waterway South of Lafitte	102.92	196.58	169.28	146.81	120.05	38.97	44.45	40.46	33.65	34.77	26.76	154.50
USGS7380251 Barataria Bay North of Grand Isle	57.64	125.61	109.92	92.64	74.17	22.23	13.19	12.60	11.55	10.29	11.78	82.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	84.10	149.02	126.24	103.84	83.90	25.03	14.56	13.85	13.21	12.76	12.21	107.01
USGS 07380335 - Little Lake Near Cutoff	68.82	124.22	108.32	87.59	72.24	23.89	11.83	10.05	9.98	9.77	11.84	83.85
USGS073802516 Barataria Pass at Grand Isle	47.61	71.62	61.58	51.69	46.26	21.63	12.01	11.35	8.28	9.92	9.38	39.20
HWQ14 - Lake Washington	24.28	46.79	43.87	41.19	38.19	16.01	6.29	4.93	5.42	5.96	6.32	21.65
HWQ16 - Bayou Grand Liard	40.75	68.29	65.21	54.66	48.99	21.30	11.15	13.06	10.77	9.85	18.13	42.81
CRMS 3985	30.39	63.62	62.24	51.64	44.96	13.46	4.64	4.06	8.85	6.73	13.45	38.13
CRMS 0258	44.72	81.64	73.12	59.05	51.78	25.11	16.20	10.97	10.29	11.04	4.05	62.72
CRMS 0224	55.51	103.04	87.04	72.11	59.06	24.64	15.07	14.67	13.70	13.26	8.64	68.68
CRMS 0163	98.47	128.66	99.49	84.28	66.24	50.44	69.26	66.32	69.03	64.49	116.47	167.25
CRMS 0162	121.18	146.53	127.12	98.11	79.29	57.97	91.31	74.64	48.42	47.37	96.23	202.43

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	152.39	226.89	191.68	165.40	135.27	65.99	88.57	78.09	79.71	86.62	137.98	249.84
CRMS0276 - Just east of Wilkinson Canal	0.34	-3.25	-3.60	-2.51	-0.29	-0.86	0.29	2.75	2.35	1.54	-0.03	-2.44
Barataria Waterway at Lafitte (USACE82875)	-0.18	-1.35	-1.16	0.19	0.91	0.85	1.83	2.68	2.68	4.22	4.15	1.47
USGS2928590900040000 Barataria Waterway South of Lafitte	99.00	191.19	161.63	134.88	106.66	30.51	38.91	35.08	28.29	29.52	23.82	148.64
USGS7380251 Barataria Bay North of Grand Isle	46.43	116.00	101.52	83.89	66.18	15.46	6.92	0.99	-0.15	-0.36	2.68	68.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	73.53	137.90	111.59	88.92	71.28	17.23	7.97	6.91	6.08	5.83	4.71	98.17
USGS 07380335 - Little Lake Near Cutoff	51.98	104.28	85.37	65.07	52.93	14.10	4.16	3.49	2.92	2.39	1.08	69.45
USGS073802516 Barataria Pass at Grand Isle	35.78	57.49	43.68	32.33	27.29	10.00	2.51	2.37	0.91	1.76	1.42	27.77
HWQ14 - Lake Washington	16.60	40.56	35.35	32.98	31.11	10.62	2.03	0.05	-1.07	-0.70	0.05	14.33
HWQ16 - Bayou Grand Liard	8.50	20.83	16.04	14.70	9.01	3.95	0.70	0.43	1.22	0.13	-0.53	7.86
CRMS 3985	10.68	47.13	55.20	45.36	39.90	9.46	0.79	-12.35	-5.85	-7.04	-3.62	12.16
CRMS 0258	30.13	60.26	52.77	34.20	23.57	4.43	2.80	2.98	1.05	2.34	0.47	38.62
CRMS 0224	47.13	89.35	71.24	51.30	36.61	10.86	5.92	5.37	3.14	4.10	3.13	60.46
CRMS 0163	0.44	-0.13	0.60	-0.46	0.37	0.55	1.52	2.96	2.56	4.00	2.23	1.57
CRMS 0162	-0.55	-2.91	-2.75	-2.19	-2.33	-0.47	0.38	4.71	7.63	8.47	1.65	2.70

Figure WQ TSS 102 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.79	8.20	7.66	10.33	13.12	7.56	6.77	6.68	5.92	6.32	8.33	9.56
CRMS0276 - Just east of Wilkinson Canal	22.45	101.02	63.14	97.39	81.71	45.68	12.82	9.10	12.15	23.25	57.87	60.07
Barataria Waterway at Lafitte (USACE82875)	77.17	157.68	114.30	116.69	115.72	82.74	54.01	49.65	26.96	93.99	123.23	114.63
USGS2928590900040000 Barataria Waterway South of Lafitte	2.33	6.83	6.75	12.58	13.88	7.52	4.95	4.95	4.44	4.38	5.38	7.21
USGS7380251 Barataria Bay North of Grand Isle	10.12	13.78	11.64	10.98	11.78	8.15	14.09	12.51	9.22	13.48	10.84	13.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.74	12.19	12.44	17.57	13.47	8.49	7.43	7.26	5.89	6.33	10.35	10.87
USGS 07380335 - Little Lake Near Cutoff	9.05	23.55	17.26	29.03	20.73	11.66	7.10	6.40	5.54	6.52	15.32	17.00
USGS073802516 Barataria Pass at Grand Isle	7.03	16.20	14.56	23.33	19.38	13.39	8.73	8.28	6.31	7.17	11.44	13.38
HWQ14 - Lake Washington	6.34	7.61	10.60	10.11	9.01	6.33	8.03	7.22	5.78	7.61	7.59	7.95
HWQ16 - Bayou Grand Liard	14.70	58.12	34.23	61.49	43.52	27.30	11.55	11.32	8.80	11.31	32.28	34.90
CRMS 3985	20.41	24.44	17.66	11.10	13.34	9.32	20.45	14.58	8.91	20.10	17.37	24.04
CRMS 0258	5.27	26.09	17.16	33.54	36.48	13.58	6.58	5.99	5.76	5.20	18.26	19.41
CRMS 0224	4.79	15.52	12.21	27.29	23.66	15.58	8.04	8.04	7.78	6.93	8.82	10.57
CRMS 0163	107.60	180.65	142.35	115.90	117.99	80.99	54.58	48.10	28.65	118.62	164.20	135.05
CRMS 0162	114.30	187.51	140.42	111.11	123.16	96.47	59.38	36.48	21.41	91.76	158.58	162.80

V3PR6 HYST - cy 2 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.52	258.74	231.95	151.44	200.80	116.23	88.43	57.37	49.60	156.17	187.95	166.57
CRMS0276 - Just east of Wilkinson Canal	24.13	94.52	59.91	98.70	77.49	46.63	14.87	9.81	14.14	26.19	58.94	63.08
Barataria Waterway at Lafitte (USACE82875)	82.24	158.59	118.00	120.27	117.32	84.68	57.75	51.93	34.93	99.77	127.66	120.25
USGS2928590900040000 Barataria Waterway South of Lafitte	58.42	175.63	137.45	58.18	134.76	33.98	37.94	32.16	21.99	44.35	35.47	32.98
USGS7380251 Barataria Bay North of Grand Isle	17.70	108.30	82.75	49.69	81.30	15.95	10.45	9.92	8.99	13.43	17.19	14.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.29	140.21	99.31	59.30	105.94	19.94	12.75	11.04	8.86	14.82	18.43	17.09
USGS 07380335 - Little Lake Near Cutoff	12.05	115.76	78.18	64.14	87.25	19.74	10.84	7.94	6.27	10.36	18.91	19.55
USGS073802516 Barataria Pass at Grand Isle	8.95	74.29	46.77	53.06	45.89	19.38	10.61	8.66	6.12	9.46	14.69	15.01
HWQ14 - Lake Washington	5.03	43.11	26.89	37.66	28.32	11.38	5.38	4.32	4.49	7.18	9.45	8.86
HWQ16 - Bayou Grand Liard	16.27	73.71	45.60	74.07	50.98	30.07	12.58	11.93	7.99	10.16	32.62	37.32
CRMS 3985	15.25	49.11	34.49	36.32	36.62	9.41	3.95	3.80	5.45	14.83	18.66	17.28
CRMS 0258	8.47	65.67	39.35	43.51	59.94	13.99	8.74	8.30	6.97	8.90	21.55	22.35
CRMS 0224	10.57	89.59	54.10	47.49	66.39	19.47	12.73	11.66	9.54	13.45	13.92	13.66
CRMS 0163	110.73	182.16	143.77	118.64	118.35	82.93	58.04	50.76	36.06	123.36	165.69	139.19
CRMS 0162	118.46	184.60	141.11	113.51	122.06	99.20	67.75	40.41	23.13	119.74	160.32	167.25

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	161.73	250.54	224.29	141.11	187.67	108.67	81.65	50.70	43.68	149.85	179.62	157.00
CRMS0276 - Just east of Wilkinson Canal	1.68	-6.49	-3.23	1.31	-4.22	0.95	2.06	0.71	1.99	2.95	1.07	3.01
Barataria Waterway at Lafitte (USACE82875)	5.07	0.92	3.70	3.58	1.60	1.94	3.74	2.29	7.97	5.78	4.43	5.62
USGS2928590900040000 Barataria Waterway South of Lafitte	56.09	168.80	130.70	45.60	120.88	26.46	32.99	27.21	17.55	39.97	30.09	25.77
USGS7380251 Barataria Bay North of Grand Isle	7.58	94.51	71.10	38.72	69.52	7.80	-3.64	-2.60	-0.23	-0.05	6.35	1.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.55	128.02	86.87	41.73	92.47	11.45	5.32	3.78	2.97	8.49	8.09	6.22
USGS 07380335 - Little Lake Near Cutoff	3.01	92.22	60.92	35.11	66.52	8.08	3.74	1.54	0.73	3.84	3.59	2.55
USGS073802516 Barataria Pass at Grand Isle	1.92	58.09	32.21	29.73	26.50	5.99	1.88	0.38	-0.19	2.29	3.25	1.62
HWQ14 - Lake Washington	-1.31	35.50	16.29	27.56	19.31	5.05	-2.65	-2.90	-1.29	-0.42	1.86	0.91
HWQ16 - Bayou Grand Liard	1.57	15.59	11.37	12.58	7.46	2.76	1.03	0.62	-0.81	-1.15	0.34	2.42
CRMS 3985	-5.16	24.67	16.83	25.22	23.28	0.09	-16.49	-10.79	-3.46	-5.27	1.28	-6.76
CRMS 0258	3.19	39.59	22.19	9.97	23.45	0.40	2.16	2.31	1.21	3.70	3.29	2.94
CRMS 0224	5.78	74.07	41.88	20.20	42.72	3.89	4.68	3.63	1.76	6.53	5.11	3.09
CRMS 0163	3.14	1.51	1.42	2.74	0.36	1.95	3.46	2.66	7.41	4.74	1.49	4.14
CRMS 0162	4.17	-2.90	0.69	2.39	-1.10	2.73	8.37	3.93	1.72	27.98	1.74	4.45

Figure WQ TSS 103 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.10	4.99	7.06	10.39	11.93	9.73	9.31	10.16	8.78	7.75	4.51	6.32
CRMS0276 - Just east of Wilkinson Canal	27.83	63.43	38.10	63.71	66.14	53.43	33.86	31.85	39.61	27.78	26.26	31.68
Barataria Waterway at Lafitte (USACE82875)	66.63	92.61	59.41	78.88	91.80	74.22	76.29	73.57	70.56	73.77	57.25	87.24
USGS2928590900040000 Barataria Waterway South of Lafitte	2.71	4.40	6.59	11.67	13.20	10.16	6.40	7.16	7.89	6.69	3.59	3.62
USGS7380251 Barataria Bay North of Grand Isle	7.96	6.79	6.38	8.75	8.48	7.39	7.57	9.39	12.49	11.96	8.19	9.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.36	9.20	11.13	14.14	11.79	8.98	7.91	8.99	8.64	8.34	7.30	5.88
USGS 07380335 - Little Lake Near Cutoff	9.72	17.38	16.49	22.35	17.94	12.68	10.95	11.31	10.55	9.88	9.63	7.96
USGS073802516 Barataria Pass at Grand Isle	7.16	12.37	13.37	18.48	17.03	14.96	13.10	13.19	9.12	9.95	8.10	7.15
HWQ14 - Lake Washington	5.38	4.49	6.82	7.73	6.84	5.60	4.37	4.62	6.55	7.23	6.16	5.45
HWQ16 - Bayou Grand Liard	20.60	43.58	28.41	41.00	36.19	33.13	25.65	21.81	17.53	12.68	15.23	17.21
CRMS 3985	13.29	11.03	4.80	6.61	5.60	4.80	3.69	10.36	15.71	16.27	13.00	19.08
CRMS 0258	9.86	15.83	16.13	25.32	29.91	29.61	26.50	26.87	17.68	11.59	3.72	8.11
CRMS 0224	4.85	11.39	12.45	21.23	20.74	18.50	11.27	12.10	15.11	11.94	6.25	4.24
CRMS 0163	83.84	104.47	71.18	81.01	94.96	70.75	76.21	86.62	79.95	83.13	68.18	110.53
CRMS 0162	98.31	122.91	84.30	89.63	99.29	86.41	113.38	104.45	77.17	75.85	53.62	129.70

V3PR6 HYST - cy 2 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.70	192.40	155.35	157.12	184.63	147.38	158.25	130.55	102.16	111.19	89.65	144.46
CRMS0276 - Just east of Wilkinson Canal	38.51	55.85	33.70	61.66	61.66	47.83	47.34	40.10	43.74	30.80	24.13	32.14
Barataria Waterway at Lafitte (USACE82875)	65.59	92.13	57.49	80.11	90.78	73.41	73.28	72.41	73.73	77.86	60.01	90.77
USGS2928590900040000 Barataria Waterway South of Lafitte	129.51	161.89	120.68	126.30	151.74	117.45	125.61	77.16	34.24	38.22	19.16	29.49
USGS7380251 Barataria Bay North of Grand Isle	70.87	104.91	70.19	82.42	99.66	71.77	73.60	46.60	14.62	11.92	9.16	10.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	90.21	121.17	86.76	93.26	110.70	86.45	96.25	60.54	17.64	15.46	10.46	10.99
USGS 07380335 - Little Lake Near Cutoff	69.20	102.20	70.10	80.93	92.02	72.05	79.11	51.29	16.86	13.60	10.31	9.54
USGS073802516 Barataria Pass at Grand Isle	42.54	62.23	37.89	50.59	49.06	41.16	42.97	34.93	14.73	12.57	8.62	7.73
HWQ14 - Lake Washington	23.00	43.46	24.03	39.83	38.12	31.97	27.24	19.37	8.34	7.20	5.80	5.65
HWQ16 - Bayou Grand Liard	31.83	60.43	35.76	55.69	52.20	41.98	36.31	28.00	21.49	13.91	13.93	17.29
CRMS 3985	31.16	56.70	33.18	47.03	55.18	41.70	41.21	25.11	7.57	8.02	9.08	17.98
CRMS 0258	48.33	66.81	40.93	54.03	65.87	61.00	68.56	51.09	20.30	14.33	4.33	9.02
CRMS 0224	60.25	85.26	50.47	65.10	76.52	63.48	70.15	50.45	19.85	16.56	8.22	7.20
CRMS 0163	82.70	104.73	70.11	80.24	94.19	71.37	76.74	88.11	83.06	86.49	70.04	112.85
CRMS 0162	97.29	120.55	81.10	88.65	97.98	84.75	111.61	105.01	85.83	94.53	57.12	135.27

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.60	187.41	148.29	146.73	172.69	137.65	148.94	120.39	93.38	103.44	85.14	138.14
CRMS0276 - Just east of Wilkinson Canal	10.68	-7.58	-4.40	-2.05	-4.48	-5.60	13.48	8.25	4.13	3.02	-2.13	0.47
Barataria Waterway at Lafitte (USACE82875)	-1.04	-0.48	-1.92	1.24	-1.02	-0.81	-3.01	-1.16	3.17	4.10	2.77	3.53
USGS2928590900040000 Barataria Waterway South of Lafitte	126.80	157.49	114.09	114.63	138.55	107.28	119.20	70.00	26.35	31.53	15.56	25.87
USGS7380251 Barataria Bay North of Grand Isle	62.90	98.12	63.80	73.67	91.17	64.37	66.03	37.20	2.13	-0.04	0.97	0.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	83.85	111.98	75.63	79.12	98.90	77.48	88.34	51.55	9.00	7.12	3.16	5.11
USGS 07380335 - Little Lake Near Cutoff	59.48	84.82	53.61	58.58	74.08	59.37	68.16	39.99	6.31	3.71	0.68	1.58
USGS073802516 Barataria Pass at Grand Isle	35.38	49.85	24.52	32.11	32.03	26.21	29.87	21.74	5.61	2.62	0.52	0.58
HWQ14 - Lake Washington	17.62	38.97	17.21	32.10	31.28	26.37	22.87	14.75	1.79	-0.03	-0.36	0.21
HWQ16 - Bayou Grand Liard	11.23	16.86	7.34	14.70	16.02	8.85	10.66	6.18	3.97	1.23	-1.31	0.08
CRMS 3985	17.87	45.66	28.38	40.42	49.57	36.90	37.52	14.75	-8.14	-8.25	-3.92	-1.10
CRMS 0258	38.47	50.98	24.80	28.72	35.96	31.40	42.06	24.22	2.62	2.74	0.61	0.91
CRMS 0224	55.41	73.87	38.02	43.88	55.78	44.98	58.88	38.35	4.74	4.62	1.97	2.95
CRMS 0163	-1.14	0.26	-1.08	-0.77	-0.77	0.62	0.53	1.49	3.12	3.36	1.85	2.32
CRMS 0162	-1.02	-2.36	-3.21	-0.99	-1.32	-1.66	-1.77	0.55	8.66	18.68	3.50	5.57

Figure WQ TSS 104 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.00	2.56	11.17	13.99	15.34	10.14	8.55	8.79	7.03	6.96	4.09	8.93
CRMS0276 - Just east of Wilkinson Canal	48.14	35.76	89.13	92.85	105.54	38.87	22.52	23.15	31.12	22.71	25.55	96.58
Barataria Waterway at Lafitte (USACE82875)	93.35	79.68	167.46	118.32	140.07	52.45	56.90	59.68	59.01	58.38	58.81	173.51
USGS2928590900040000 Barataria Waterway South of Lafitte	2.64	1.85	7.05	16.31	18.07	10.71	5.84	5.67	5.79	5.83	3.16	6.74
USGS7380251 Barataria Bay North of Grand Isle	6.08	7.90	15.61	13.31	10.37	7.50	7.12	7.44	9.05	10.47	7.45	6.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.55	7.31	15.28	22.57	17.30	10.38	7.05	8.35	7.21	7.37	6.68	10.04
USGS 07380335 - Little Lake Near Cutoff	20.13	11.44	22.64	34.90	28.85	14.18	8.58	9.36	8.48	8.43	9.14	20.03
USGS073802516 Barataria Pass at Grand Isle	12.54	8.44	17.82	29.29	27.11	16.27	10.92	11.52	7.63	8.90	7.31	14.89
HWQ14 - Lake Washington	3.05	5.25	11.99	12.74	8.90	6.61	4.40	4.55	4.79	6.26	5.54	4.67
HWQ16 - Bayou Grand Liard	38.24	20.39	60.63	64.75	71.62	29.83	15.44	14.89	13.24	10.96	14.91	56.74
CRMS 3985	13.08	15.79	27.70	11.85	7.35	4.90	3.34	3.72	11.40	13.81	11.63	4.75
CRMS 0258	7.42	4.44	34.24	34.91	43.01	24.68	21.04	21.02	11.54	10.65	4.35	28.97
CRMS 0224	9.30	7.36	13.91	31.42	33.08	19.42	10.06	11.06	12.86	10.97	5.33	10.65
CRMS 0163	105.06	98.40	191.35	125.03	142.86	40.72	58.00	68.15	66.12	59.46	82.34	206.63
CRMS 0162	128.66	102.43	237.41	136.94	167.00	60.03	78.15	78.51	53.78	37.27	65.13	249.63

V3PR6 HYST - cy 2 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	135.56	129.06	354.34	228.80	255.28	111.92	116.35	85.49	85.39	81.13	124.37	347.36
CRMS0276 - Just east of Wilkinson Canal	52.80	37.23	90.47	87.38	105.82	36.34	34.09	27.29	33.61	24.09	25.16	89.01
Barataria Waterway at Lafitte (USACE82875)	95.35	83.36	165.46	116.84	141.18	52.63	54.56	60.80	61.69	60.85	61.30	168.19
USGS2928590900040000 Barataria Waterway South of Lafitte	43.47	23.45	298.38	194.53	220.79	86.74	89.19	39.08	31.36	33.28	36.49	297.65
USGS7380251 Barataria Bay North of Grand Isle	31.35	11.87	194.12	130.46	150.64	47.40	52.87	19.88	12.43	10.73	15.31	197.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	44.02	12.85	228.99	145.37	166.82	56.18	66.69	22.81	14.59	13.67	12.87	234.66
USGS 07380335 - Little Lake Near Cutoff	50.02	14.12	195.04	124.88	146.29	46.72	54.35	20.11	12.73	11.43	9.63	195.86
USGS073802516 Barataria Pass at Grand Isle	41.02	10.75	99.28	73.73	82.81	32.52	32.52	20.84	11.28	11.21	8.00	106.45
HWQ14 - Lake Washington	27.99	7.88	61.81	59.79	66.10	26.86	21.33	11.06	6.56	6.46	5.50	59.73
HWQ16 - Bayou Grand Liard	47.33	21.82	96.29	82.86	93.14	31.98	24.69	16.80	15.11	11.38	14.35	88.38
CRMS 3985	32.85	16.57	106.32	74.57	90.38	30.20	29.90	9.05	5.58	7.04	10.52	96.01
CRMS 0258	24.53	5.15	126.82	85.35	103.98	37.62	51.68	27.45	13.44	13.11	5.51	126.92
CRMS 0224	38.08	9.84	145.77	102.82	122.22	38.80	52.26	22.74	16.33	14.83	8.00	153.48
CRMS 0163	107.02	101.26	191.38	123.93	145.37	41.30	58.91	70.08	68.80	61.96	83.38	203.58
CRMS 0162	130.76	109.46	231.48	134.40	165.97	58.59	76.85	78.97	65.46	48.01	67.75	245.61

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	132.56	126.50	343.17	214.81	239.95	101.77	107.80	76.71	78.36	74.17	120.29	338.44
CRMS0276 - Just east of Wilkinson Canal	4.66	1.47	1.35	-5.47	0.28	-2.53	11.57	4.15	2.49	1.38	-0.39	-7.57
Barataria Waterway at Lafitte (USACE82875)	2.00	3.68	-2.01	-1.48	1.11	0.18	-2.34	1.12	2.67	2.47	2.49	-5.32
USGS2928590900040000 Barataria Waterway South of Lafitte	40.83	21.60	291.33	178.22	202.71	76.04	83.34	33.40	25.57	27.45	33.33	290.91
USGS7380251 Barataria Bay North of Grand Isle	25.27	3.97	178.50	117.15	140.27	39.89	45.74	12.45	3.39	0.26	7.86	190.64
USGS73802515 Hackberry Bay Northwest of Grand Isle	33.47	5.54	213.71	122.80	149.52	45.80	59.64	14.46	7.38	6.30	6.20	224.62
USGS 07380335 - Little Lake Near Cutoff	29.89	2.68	172.39	89.99	117.45	32.54	45.76	10.74	4.25	3.00	0.49	175.83
USGS073802516 Barataria Pass at Grand Isle	28.48	2.31	81.47	44.44	55.70	16.25	21.60	9.32	3.66	2.31	0.70	91.57
HWQ14 - Lake Washington	24.94	2.63	49.82	47.05	57.20	20.25	16.93	6.50	1.76	0.20	-0.04	55.06
HWQ16 - Bayou Grand Liard	9.09	1.43	35.66	18.11	21.52	2.14	9.26	1.91	1.87	0.42	-0.56	31.65
CRMS 3985	19.77	0.78	78.63	62.72	83.03	25.31	26.57	5.33	-5.82	-6.77	-1.11	91.26
CRMS 0258	17.11	0.71	92.58	50.44	60.97	12.94	30.64	6.43	1.90	2.46	1.17	97.95
CRMS 0224	28.78	2.48	131.86	71.40	89.14	19.38	42.20	11.69	3.47	3.85	2.67	142.83
CRMS 0163	1.96	2.86	0.03	-1.09	2.51	0.58	0.91	1.93	2.68	2.50	1.04	-3.06
CRMS 0162	2.10	7.03	-5.93	-2.54	-1.04	-1.44	-1.31	0.46	11.68	10.74	2.61	-4.01

Figure WQ TSS 105 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.54	5.42	8.78	10.87	11.33	9.40	7.33	7.03	7.38	7.61	12.12	11.27
CRMS0276 - Just east of Wilkinson Canal	50.49	46.17	69.79	54.53	51.18	41.76	24.03	13.59	31.92	23.69	71.46	120.75
Barataria Waterway at Lafitte (USACE82875)	100.83	78.90	109.33	68.85	70.19	72.94	60.56	57.70	74.77	72.75	139.95	164.73
USGS2928590900040000 Barataria Waterway South of Lafitte	4.95	4.57	7.76	12.30	12.45	9.22	6.14	5.59	5.71	5.94	8.17	10.13
USGS7380251 Barataria Bay North of Grand Isle	8.05	7.83	9.40	9.43	8.26	7.47	6.76	11.30	13.43	12.45	11.82	12.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.30	8.97	14.76	15.48	11.44	7.96	7.47	7.06	7.77	7.84	12.01	19.95
USGS 07380335 - Little Lake Near Cutoff	21.81	14.30	23.24	22.86	16.67	10.22	9.55	6.42	8.60	8.60	18.16	36.92
USGS073802516 Barataria Pass at Grand Isle	14.54	10.51	17.96	20.14	16.66	12.01	11.34	8.80	7.98	9.19	13.24	26.38
HWQ14 - Lake Washington	4.93	5.21	8.69	8.99	7.02	5.50	4.35	4.75	7.18	7.60	7.53	8.99
HWQ16 - Bayou Grand Liard	43.59	27.78	53.09	40.15	30.98	21.42	16.76	12.86	12.39	11.37	39.92	82.70
CRMS 3985	13.47	13.33	9.67	7.24	5.50	4.74	4.22	16.30	18.40	16.56	17.04	16.81
CRMS 0258	17.59	18.04	22.90	24.28	26.69	28.71	12.92	7.51	10.59	14.13	27.89	28.35
CRMS 0224	11.19	10.21	15.91	21.39	19.49	14.66	10.30	9.29	11.76	10.57	11.85	21.77
CRMS 0163	116.55	97.98	118.71	73.16	64.94	72.06	62.27	67.34	84.65	94.65	186.49	173.81
CRMS 0162	144.07	113.18	154.59	86.96	71.62	85.72	81.10	64.60	61.68	85.20	192.94	215.41

V3PR7 HYST - cy 2 - 1985 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	216.46	174.62	229.43	155.48	135.10	118.43	87.09	94.17	105.45	147.89	309.32	288.70
CRMS0276 - Just east of Wilkinson Canal	75.77	40.73	65.57	52.29	51.18	38.39	23.92	16.20	35.46	25.97	71.70	104.62
Barataria Waterway at Lafitte (USACE82875)	96.98	78.26	107.38	69.44	69.56	72.66	60.97	59.65	77.82	75.02	136.78	161.38
USGS2928590900040000 Barataria Waterway South of Lafitte	170.37	112.73	188.51	121.30	97.14	71.08	43.27	39.46	34.23	62.26	225.12	245.83
USGS7380251 Barataria Bay North of Grand Isle	108.52	68.65	129.68	79.59	64.48	44.60	18.26	12.79	13.67	18.02	139.19	181.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	136.24	89.50	149.58	90.06	76.09	55.70	21.94	13.99	15.18	27.44	175.18	204.80
USGS 07380335 - Little Lake Near Cutoff	117.16	70.78	128.87	76.62	65.35	46.46	20.95	9.55	12.48	17.36	132.53	183.97
USGS073802516 Barataria Pass at Grand Isle	73.85	36.42	72.04	48.41	40.50	26.26	19.15	11.12	9.56	12.79	81.63	116.04
HWQ14 - Lake Washington	45.74	24.69	49.45	38.53	30.41	17.27	11.19	5.45	6.49	7.04	43.56	79.41
HWQ16 - Bayou Grand Liard	65.35	37.25	75.87	51.45	41.91	26.60	18.52	12.32	14.21	12.04	55.19	117.60
CRMS 3985	57.24	29.81	72.43	45.46	37.07	21.83	8.54	4.44	12.30	8.69	49.88	110.18
CRMS 0258	85.16	47.62	86.03	50.07	50.10	41.87	19.11	10.79	11.65	18.49	85.43	130.27
CRMS 0224	100.96	58.50	103.12	61.45	56.32	38.49	23.89	14.80	15.57	19.75	110.50	154.24
CRMS 0163	114.79	98.59	119.46	73.20	64.55	72.58	63.50	70.32	88.13	97.55	185.10	174.02
CRMS 0162	142.25	112.50	153.77	84.96	69.04	85.18	82.28	73.43	75.69	97.79	190.59	213.35

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	208.92	169.20	220.64	144.61	123.77	109.02	79.77	87.13	98.07	140.29	297.20	277.44
CRMS0276 - Just east of Wilkinson Canal	25.27	-5.45	-4.22	-2.24	0.00	-3.38	-0.11	2.60	3.54	2.29	0.24	-16.13
Barataria Waterway at Lafitte (USACE82875)	-3.84	-0.64	-1.95	0.59	-0.62	-0.28	0.41	1.95	3.05	2.27	-3.16	-3.35
USGS2928590900040000 Barataria Waterway South of Lafitte	165.42	108.16	180.75	109.00	84.68	61.86	37.12	33.87	28.52	56.32	216.95	235.70
USGS7380251 Barataria Bay North of Grand Isle	100.46	60.82	120.28	70.17	56.22	37.14	11.50	1.49	0.24	5.57	127.37	168.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	123.94	80.53	134.82	74.58	64.65	47.74	14.47	6.93	7.40	19.59	163.17	184.85
USGS 07380335 - Little Lake Near Cutoff	95.35	56.48	105.63	53.76	48.68	36.24	11.40	3.12	3.88	8.76	114.37	147.06
USGS073802516 Barataria Pass at Grand Isle	59.31	25.91	54.08	28.26	23.85	14.24	7.81	2.33	1.58	3.60	68.39	89.66
HWQ14 - Lake Washington	40.82	19.47	40.75	29.55	23.39	11.77	6.83	0.69	-0.69	-0.56	36.04	70.42
HWQ16 - Bayou Grand Liard	21.76	9.47	22.78	11.30	10.93	5.19	1.77	-0.54	1.82	0.67	15.28	34.90
CRMS 3985	43.76	16.48	62.76	38.22	31.57	17.09	4.32	-11.86	-6.10	-7.87	32.83	93.37
CRMS 0258	67.58	29.58	63.13	25.79	23.41	13.16	6.19	3.28	1.06	4.37	57.54	101.92
CRMS 0224	89.77	48.29	87.21	40.06	36.82	23.83	13.58	5.51	3.80	9.17	98.65	132.47
CRMS 0163	-1.76	0.60	0.75	0.04	-0.39	0.52	1.24	2.98	3.48	2.91	-1.38	0.20
CRMS 0162	-1.82	-0.68	-0.82	-2.01	-2.58	-0.55	1.18	8.83	14.01	12.59	-2.35	-2.06

Figure WQ TSS 106 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.91	6.53	8.30	10.57	11.63	8.58	7.19	7.03	6.87	6.45	4.04	9.69
CRMS0276 - Just east of Wilkinson Canal	45.54	72.00	60.54	57.83	56.52	31.44	18.08	15.35	22.13	18.45	35.79	65.45
Barataria Waterway at Lafitte (USACE82875)	87.14	111.02	91.72	76.82	72.82	52.10	61.48	60.30	59.65	53.44	84.72	134.75
USGS2928590900040000 Barataria Waterway South of Lafitte	3.93	5.39	7.65	11.93	13.39	8.46	5.54	5.38	5.36	5.25	2.95	5.86
USGS7380251 Barataria Bay North of Grand Isle	11.21	9.60	8.40	8.75	7.99	6.77	6.27	11.61	11.70	10.65	9.10	13.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.57	11.12	14.66	14.92	12.61	7.79	6.60	6.94	7.12	6.93	7.50	8.84
USGS 07380335 - Little Lake Near Cutoff	16.84	19.94	22.95	22.52	19.31	9.79	7.67	6.55	7.06	7.38	10.76	14.40
USGS073802516 Barataria Pass at Grand Isle	11.83	14.13	17.90	19.36	18.97	11.64	9.50	8.98	7.38	8.16	7.97	11.43
HWQ14 - Lake Washington	7.68	6.23	8.52	8.21	7.09	5.39	4.26	4.87	6.49	6.66	6.28	7.32
HWQ16 - Bayou Grand Liard	32.25	47.46	49.16	39.96	39.98	17.34	10.45	12.64	9.55	9.73	18.66	34.95
CRMS 3985	19.71	16.48	7.04	6.29	5.06	4.00	3.85	16.41	14.71	13.78	17.08	25.96
CRMS 0258	14.59	21.38	20.35	24.85	28.21	20.68	13.40	7.99	9.24	8.70	3.58	24.10
CRMS 0224	8.38	13.69	15.80	20.81	22.45	13.77	9.14	9.30	10.55	9.15	5.50	8.22
CRMS 0163	98.03	128.80	98.89	84.74	65.88	49.89	67.74	63.36	66.47	60.48	114.24	165.68
CRMS 0162	121.73	149.44	129.87	100.30	81.62	58.43	90.93	69.93	40.79	38.91	94.58	199.73

V3PR7 HYST - cy 2 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.82	233.20	199.84	175.83	146.78	74.09	94.33	84.44	85.60	91.02	138.12	256.81
CRMS0276 - Just east of Wilkinson Canal	46.49	68.88	56.49	55.28	56.16	30.80	18.59	18.18	24.28	20.04	36.39	62.88
Barataria Waterway at Lafitte (USACE82875)	85.75	108.40	89.66	76.61	73.61	52.91	62.87	62.20	61.51	57.30	87.07	133.43
USGS2928590900040000 Barataria Waterway South of Lafitte	95.20	188.76	162.26	140.19	114.11	38.80	43.93	39.78	31.10	33.61	24.51	144.43
USGS7380251 Barataria Bay North of Grand Isle	57.64	125.86	110.07	92.71	74.36	22.24	13.20	12.75	11.54	10.36	11.95	82.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	84.64	150.09	126.83	104.35	84.45	25.29	14.71	14.05	13.33	12.84	12.30	107.57
USGS 07380335 - Little Lake Near Cutoff	69.43	125.06	109.06	88.16	72.92	24.08	11.91	10.15	10.02	9.86	12.04	84.27
USGS073802516 Barataria Pass at Grand Isle	48.07	71.88	61.74	51.86	46.61	21.78	12.10	11.47	8.29	9.93	9.52	39.58
HWQ14 - Lake Washington	24.52	46.85	43.98	41.26	38.26	16.06	6.28	4.97	5.40	5.96	6.34	22.29
HWQ16 - Bayou Grand Liard	41.46	68.83	65.72	54.92	49.17	21.52	11.41	13.11	10.70	9.96	18.65	42.69
CRMS 3985	30.45	63.53	62.58	51.32	45.04	13.43	4.66	4.13	8.62	6.79	13.18	41.23
CRMS 0258	44.81	81.18	72.54	58.62	51.95	25.23	16.57	11.35	10.27	11.18	4.22	62.68
CRMS 0224	56.04	103.08	86.93	72.19	59.27	24.84	15.42	15.04	13.89	13.49	8.83	69.00
CRMS 0163	98.11	128.54	99.55	84.39	66.29	50.39	69.42	66.13	69.01	64.81	115.91	166.21
CRMS 0162	121.05	146.73	126.84	97.90	79.69	58.07	91.07	74.54	49.65	48.98	96.00	201.35

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	150.91	226.67	191.53	165.26	135.15	65.51	87.14	77.41	78.73	84.57	134.08	247.12
CRMS0276 - Just east of Wilkinson Canal	0.94	-3.12	-4.05	-2.55	-0.35	-0.65	0.51	2.83	2.15	1.59	0.60	-2.57
Barataria Waterway at Lafitte (USACE82875)	-1.39	-2.62	-2.06	-0.21	0.79	0.81	1.40	1.90	1.87	3.85	2.35	-1.32
USGS2928590900040000 Barataria Waterway South of Lafitte	91.27	183.37	154.61	128.26	100.71	30.34	38.39	34.40	25.73	28.36	21.57	138.57
USGS7380251 Barataria Bay North of Grand Isle	46.43	116.26	101.67	83.97	66.38	15.47	6.93	1.14	-0.16	-0.30	2.84	69.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	74.07	138.97	112.18	89.43	71.83	17.50	8.11	7.11	6.21	5.91	4.80	98.73
USGS 07380335 - Little Lake Near Cutoff	52.59	105.11	86.12	65.64	53.60	14.29	4.24	3.60	2.96	2.48	1.28	69.87
USGS073802516 Barataria Pass at Grand Isle	36.24	57.75	43.84	32.50	27.64	10.14	2.60	2.49	0.91	1.77	1.55	28.15
HWQ14 - Lake Washington	16.84	40.61	35.46	33.05	31.17	10.67	2.03	0.10	-1.10	-0.71	0.06	14.97
HWQ16 - Bayou Grand Liard	9.21	21.37	16.55	14.96	9.19	4.18	0.96	0.47	1.15	0.24	-0.01	7.74
CRMS 3985	10.75	47.04	55.53	45.04	39.98	9.43	0.81	-12.29	-6.08	-6.99	-3.90	15.26
CRMS 0258	30.22	59.80	52.19	33.77	23.74	4.55	3.17	3.36	1.03	2.48	0.64	38.58
CRMS 0224	47.66	89.38	71.14	51.39	36.83	11.07	6.27	5.74	3.34	4.34	3.33	60.78
CRMS 0163	0.08	-0.26	0.66	-0.34	0.41	0.50	1.68	2.77	2.54	4.32	1.68	0.53
CRMS 0162	-0.68	-2.71	-3.03	-2.40	-1.93	-0.36	0.14	4.61	8.87	10.08	1.42	1.62

Figure WQ TSS 107 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.79	8.20	7.66	10.33	13.12	7.56	6.77	6.68	5.92	6.32	8.33	9.56
CRMS0276 - Just east of Wilkinson Canal	22.45	101.02	63.14	97.39	81.71	45.68	12.82	9.10	12.15	23.25	57.87	60.07
Barataria Waterway at Lafitte (USACE82875)	77.17	157.68	114.30	116.69	115.72	82.74	54.01	49.65	26.96	93.99	123.23	114.63
USGS2928590900040000 Barataria Waterway South of Lafitte	2.33	6.83	6.75	12.58	13.88	7.52	4.95	4.95	4.44	4.38	5.38	7.21
USGS7380251 Barataria Bay North of Grand Isle	10.12	13.78	11.64	10.98	11.78	8.15	14.09	12.51	9.22	13.48	10.84	13.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.74	12.19	12.44	17.57	13.47	8.49	7.43	7.26	5.89	6.33	10.35	10.87
USGS 07380335 - Little Lake Near Cutoff	9.05	23.55	17.26	29.03	20.73	11.66	7.10	6.40	5.54	6.52	15.32	17.00
USGS073802516 Barataria Pass at Grand Isle	7.03	16.20	14.56	23.33	19.38	13.39	8.73	8.28	6.31	7.17	11.44	13.38
HWQ14 - Lake Washington	6.34	7.61	10.60	10.11	9.01	6.33	8.03	7.22	5.78	7.61	7.59	7.95
HWQ16 - Bayou Grand Liard	14.70	58.12	34.23	61.49	43.52	27.30	11.55	11.32	8.80	11.31	32.28	34.90
CRMS 3985	20.41	24.44	17.66	11.10	13.34	9.32	20.45	14.58	8.91	20.10	17.37	24.04
CRMS 0258	5.27	26.09	17.16	33.54	36.48	13.58	6.58	5.99	5.76	5.20	18.26	19.41
CRMS 0224	4.79	15.52	12.21	27.29	23.66	15.58	8.04	8.04	7.78	6.93	8.82	10.57
CRMS 0163	107.60	180.65	142.35	115.90	117.99	80.99	54.58	48.10	28.65	118.62	164.20	135.05
CRMS 0162	114.30	187.51	140.42	111.11	123.16	96.47	59.38	36.48	21.41	91.76	158.58	162.80

V3PR7 HYST - cy 2 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	161.35	257.21	229.81	149.03	200.42	114.70	87.11	57.11	49.17	151.59	182.95	162.36
CRMS0276 - Just east of Wilkinson Canal	24.37	95.07	59.82	98.49	78.50	46.67	14.83	10.18	14.17	25.37	58.30	63.38
Barataria Waterway at Lafitte (USACE82875)	80.30	156.17	115.73	119.65	116.42	84.51	57.04	52.12	35.05	98.53	125.54	118.73
USGS2928590900040000 Barataria Waterway South of Lafitte	50.89	164.85	128.61	55.51	124.31	34.23	36.92	31.04	19.75	42.71	32.47	31.47
USGS7380251 Barataria Bay North of Grand Isle	17.71	108.27	83.12	49.63	81.27	16.12	10.48	10.07	9.01	13.60	17.59	14.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.47	141.18	100.46	59.54	107.21	20.14	12.91	11.26	8.97	14.80	18.43	17.09
USGS 07380335 - Little Lake Near Cutoff	12.19	116.04	78.29	64.62	88.41	19.83	10.93	8.14	6.29	10.27	18.94	19.52
USGS073802516 Barataria Pass at Grand Isle	9.05	74.63	47.28	53.50	45.75	19.39	10.72	8.82	6.11	9.50	14.73	15.03
HWQ14 - Lake Washington	5.07	42.92	26.55	37.87	28.31	11.45	5.43	4.41	4.44	7.31	9.67	9.01
HWQ16 - Bayou Grand Liard	16.71	73.89	45.89	74.14	51.55	30.30	12.62	12.10	7.96	10.06	32.53	37.49
CRMS 3985	15.27	48.96	34.39	36.64	36.03	9.39	3.98	3.50	5.35	15.46	19.45	17.59
CRMS 0258	8.86	65.33	39.54	43.60	60.07	14.29	9.01	8.57	7.08	9.38	21.58	21.94
CRMS 0224	11.07	90.02	54.27	47.77	67.12	19.80	13.01	11.92	9.68	13.66	14.25	13.80
CRMS 0163	110.24	181.81	143.24	118.78	118.59	83.39	57.84	51.04	36.19	122.97	165.04	139.18
CRMS 0162	118.95	184.21	142.27	113.68	122.36	99.06	68.87	40.13	23.14	116.64	159.82	166.32

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.56	249.01	222.15	138.70	187.29	107.14	80.34	50.43	43.25	145.27	174.62	152.80
CRMS0276 - Just east of Wilkinson Canal	1.92	-5.95	-3.32	1.10	-3.21	0.99	2.02	1.08	2.03	2.12	0.43	3.31
Barataria Waterway at Lafitte (USACE82875)	3.13	-1.51	1.44	2.96	0.69	1.76	3.03	2.47	8.09	4.54	2.31	4.10
USGS2928590900040000 Barataria Waterway South of Lafitte	48.56	158.02	121.86	42.93	110.42	26.70	31.97	26.09	15.31	38.33	27.09	24.26
USGS7380251 Barataria Bay North of Grand Isle	7.59	94.48	71.48	38.65	69.49	7.97	-3.61	-2.45	-0.22	0.12	6.75	1.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.73	128.99	88.01	41.97	93.74	11.65	5.49	4.00	3.08	8.47	8.08	6.22
USGS 07380335 - Little Lake Near Cutoff	3.15	92.49	61.03	35.59	67.68	8.17	3.83	1.74	0.75	3.75	3.62	2.52
USGS073802516 Barataria Pass at Grand Isle	2.02	58.43	32.72	30.17	26.37	5.99	1.99	0.54	-0.20	2.33	3.29	1.64
HWQ14 - Lake Washington	-1.27	35.32	15.95	27.76	19.30	5.12	-2.60	-2.81	-1.34	-0.30	2.08	1.06
HWQ16 - Bayou Grand Liard	2.01	15.77	11.66	12.65	8.04	3.00	1.07	0.78	-0.83	-1.25	0.25	2.59
CRMS 3985	-5.14	24.52	16.73	25.54	22.69	0.07	-16.47	-11.09	-3.55	-4.64	2.07	-6.46
CRMS 0258	3.59	39.24	22.37	10.06	23.58	0.71	2.42	2.58	1.32	4.18	3.32	2.53
CRMS 0224	6.28	74.50	42.06	20.48	43.45	4.22	4.97	3.88	1.90	6.74	5.43	3.23
CRMS 0163	2.64	1.15	0.89	2.88	0.60	2.41	3.26	2.94	7.53	4.36	0.83	4.13
CRMS 0162	4.66	-3.30	1.85	2.56	-0.80	2.59	9.49	3.65	1.73	24.88	1.24	3.52

Figure WQ TSS 108 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.10	4.99	7.06	10.39	11.93	9.73	9.31	10.16	8.78	7.75	4.51	6.32
CRMS0276 - Just east of Wilkinson Canal	27.83	63.43	38.10	63.71	66.14	53.43	33.86	31.85	39.61	27.78	26.26	31.68
Barataria Waterway at Lafitte (USACE82875)	66.63	92.61	59.41	78.88	91.80	74.22	76.29	73.57	70.56	73.77	57.25	87.24
USGS2928590900040000 Barataria Waterway South of Lafitte	2.71	4.40	6.59	11.67	13.20	10.16	6.40	7.16	7.89	6.69	3.59	3.62
USGS7380251 Barataria Bay North of Grand Isle	7.96	6.79	6.38	8.75	8.48	7.39	7.57	9.39	12.49	11.96	8.19	9.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.36	9.20	11.13	14.14	11.79	8.98	7.91	8.99	8.64	8.34	7.30	5.88
USGS 07380335 - Little Lake Near Cutoff	9.72	17.38	16.49	22.35	17.94	12.68	10.95	11.31	10.55	9.88	9.63	7.96
USGS073802516 Barataria Pass at Grand Isle	7.16	12.37	13.37	18.48	17.03	14.96	13.10	13.19	9.12	9.95	8.10	7.15
HWQ14 - Lake Washington	5.38	4.49	6.82	7.73	6.84	5.60	4.37	4.62	6.55	7.23	6.16	5.45
HWQ16 - Bayou Grand Liard	20.60	43.58	28.41	41.00	36.19	33.13	25.65	21.81	17.53	12.68	15.23	17.21
CRMS 3985	13.29	11.03	4.80	6.61	5.60	4.80	3.69	10.36	15.71	16.27	13.00	19.08
CRMS 0258	9.86	15.83	16.13	25.32	29.91	29.61	26.50	26.87	17.68	11.59	3.72	8.11
CRMS 0224	4.85	11.39	12.45	21.23	20.74	18.50	11.27	12.10	15.11	11.94	6.25	4.24
CRMS 0163	83.84	104.47	71.18	81.01	94.96	70.75	76.21	86.62	79.95	83.13	68.18	110.53
CRMS 0162	98.31	122.91	84.30	89.63	99.29	86.41	113.38	104.45	77.17	75.85	53.62	129.70

V3PR7 HYST - cy 2 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.46	192.24	155.13	156.93	184.31	147.21	158.06	129.71	101.00	108.94	87.52	140.88
CRMS0276 - Just east of Wilkinson Canal	38.80	55.77	33.61	61.90	61.69	48.02	47.45	40.23	43.97	31.03	24.14	32.42
Barataria Waterway at Lafitte (USACE82875)	64.68	91.32	56.37	79.78	90.35	72.83	72.67	71.81	73.33	77.01	59.02	89.22
USGS2928590900040000 Barataria Waterway South of Lafitte	121.60	155.03	113.04	120.17	145.07	111.81	119.37	73.61	31.97	36.97	18.08	28.14
USGS7380251 Barataria Bay North of Grand Isle	70.96	105.03	70.79	82.34	99.67	72.03	73.63	46.56	14.68	11.88	9.27	10.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	90.84	121.99	87.63	93.68	111.31	86.90	96.74	61.04	17.77	15.58	10.54	10.96
USGS 07380335 - Little Lake Near Cutoff	69.69	103.00	70.65	81.22	92.63	72.60	79.61	51.83	16.80	13.69	10.43	9.57
USGS073802516 Barataria Pass at Grand Isle	42.81	62.36	38.19	51.01	49.43	41.16	43.22	35.27	14.76	12.66	8.69	7.74
HWQ14 - Lake Washington	23.06	43.58	23.94	40.00	38.07	31.95	27.32	19.32	8.38	7.17	5.85	5.66
HWQ16 - Bayou Grand Liard	32.15	60.63	36.09	56.09	52.57	42.23	36.39	28.31	21.65	14.16	14.14	17.34
CRMS 3985	31.01	56.60	33.30	46.86	55.01	41.81	41.21	24.89	7.60	7.74	8.92	17.97
CRMS 0258	47.97	66.38	40.60	53.75	65.86	61.25	68.88	50.96	20.27	14.39	4.47	9.10
CRMS 0224	60.48	85.42	50.31	65.27	76.89	63.78	70.68	50.99	20.00	16.69	8.43	7.39
CRMS 0163	82.44	104.69	69.40	80.54	94.35	71.44	77.17	88.42	83.20	85.99	69.59	112.26
CRMS 0162	97.30	120.53	81.76	88.91	98.70	84.63	111.41	104.87	86.28	96.36	57.35	135.70

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.36	187.25	148.07	146.54	172.38	137.48	148.75	119.55	92.22	101.20	83.01	134.56
CRMS0276 - Just east of Wilkinson Canal	10.97	-7.66	-4.50	-1.81	-4.45	-5.41	13.59	8.38	4.36	3.25	-2.11	0.74
Barataria Waterway at Lafitte (USACE82875)	-1.95	-1.30	-3.04	0.91	-1.45	-1.39	-3.62	-1.76	2.77	3.24	1.77	1.98
USGS2928590900040000 Barataria Waterway South of Lafitte	118.88	150.63	106.44	108.50	131.88	101.65	112.96	66.45	24.07	30.28	14.48	24.53
USGS7380251 Barataria Bay North of Grand Isle	63.00	98.24	64.41	73.60	91.19	64.63	66.06	37.17	2.19	-0.08	1.09	0.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	84.48	112.79	76.50	79.55	99.52	77.92	88.84	52.05	9.13	7.25	3.24	5.07
USGS 07380335 - Little Lake Near Cutoff	59.97	85.62	54.16	58.87	74.69	59.92	68.66	40.53	6.25	3.80	0.80	1.61
USGS073802516 Barataria Pass at Grand Isle	35.65	49.99	24.82	32.53	32.39	26.21	30.12	22.08	5.64	2.71	0.60	0.59
HWQ14 - Lake Washington	17.68	39.08	17.12	32.26	31.24	26.34	22.96	14.70	1.82	-0.06	-0.31	0.21
HWQ16 - Bayou Grand Liard	11.55	17.05	7.67	15.10	16.38	9.10	10.73	6.49	4.12	1.48	-1.10	0.14
CRMS 3985	17.72	45.56	28.50	40.25	49.40	37.01	37.52	14.54	-8.12	-8.53	-4.07	-1.11
CRMS 0258	38.11	50.55	24.47	28.43	35.95	31.64	42.38	24.09	2.58	2.81	0.75	0.99
CRMS 0224	55.63	74.03	37.86	44.04	56.15	45.27	59.40	38.89	4.89	4.76	2.18	3.15
CRMS 0163	-1.40	0.21	-1.78	-0.47	-0.61	0.69	0.96	1.80	3.26	2.86	1.41	1.73
CRMS 0162	-1.01	-2.38	-2.54	-0.72	-0.60	-1.78	-1.96	0.42	9.11	20.52	3.73	6.01

Figure WQ TSS 109 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.00	2.56	11.17	13.99	15.34	10.14	8.55	8.79	7.03	6.96	4.09	8.93
CRMS0276 - Just east of Wilkinson Canal	48.14	35.76	89.13	92.85	105.54	38.87	22.52	23.15	31.12	22.71	25.55	96.58
Barataria Waterway at Lafitte (USACE82875)	93.35	79.68	167.46	118.32	140.07	52.45	56.90	59.68	59.01	58.38	58.81	173.51
USGS2928590900040000 Barataria Waterway South of Lafitte	2.64	1.85	7.05	16.31	18.07	10.71	5.84	5.67	5.79	5.83	3.16	6.74
USGS7380251 Barataria Bay North of Grand Isle	6.08	7.90	15.61	13.31	10.37	7.50	7.12	7.44	9.05	10.47	7.45	6.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.55	7.31	15.28	22.57	17.30	10.38	7.05	8.35	7.21	7.37	6.68	10.04
USGS 07380335 - Little Lake Near Cutoff	20.13	11.44	22.64	34.90	28.85	14.18	8.58	9.36	8.48	8.43	9.14	20.03
USGS073802516 Barataria Pass at Grand Isle	12.54	8.44	17.82	29.29	27.11	16.27	10.92	11.52	7.63	8.90	7.31	14.89
HWQ14 - Lake Washington	3.05	5.25	11.99	12.74	8.90	6.61	4.40	4.55	4.79	6.26	5.54	4.67
HWQ16 - Bayou Grand Liard	38.24	20.39	60.63	64.75	71.62	29.83	15.44	14.89	13.24	10.96	14.91	56.74
CRMS 3985	13.08	15.79	27.70	11.85	7.35	4.90	3.34	3.72	11.40	13.81	11.63	4.75
CRMS 0258	7.42	4.44	34.24	34.91	43.01	24.68	21.04	21.02	11.54	10.65	4.35	28.97
CRMS 0224	9.30	7.36	13.91	31.42	33.08	19.42	10.06	11.06	12.86	10.97	5.33	10.65
CRMS 0163	105.06	98.40	191.35	125.03	142.86	40.72	58.00	68.15	66.12	59.46	82.34	206.63
CRMS 0162	128.66	102.43	237.41	136.94	167.00	60.03	78.15	78.51	53.78	37.27	65.13	249.63

V3PR7 HYST - cy 2 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	131.52	126.09	354.03	228.60	255.13	111.78	116.16	84.59	83.88	79.37	121.39	347.02
CRMS0276 - Just east of Wilkinson Canal	53.03	37.37	89.94	87.07	105.96	36.38	34.25	27.13	33.30	23.53	25.42	89.37
Barataria Waterway at Lafitte (USACE82875)	93.80	82.20	162.16	115.88	140.87	52.35	54.16	59.59	61.14	60.43	60.13	165.80
USGS2928590900040000 Barataria Waterway South of Lafitte	40.55	21.67	286.08	186.93	212.49	81.71	84.93	38.96	29.40	32.73	33.28	285.76
USGS7380251 Barataria Bay North of Grand Isle	31.34	12.01	195.11	130.56	150.72	47.38	52.86	19.90	12.73	10.86	15.35	197.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	44.07	12.76	231.10	146.08	167.33	56.51	67.04	22.94	14.63	13.77	13.27	236.09
USGS 07380335 - Little Lake Near Cutoff	50.07	14.11	196.31	125.73	146.98	47.11	54.70	19.99	12.48	11.50	9.77	197.11
USGS073802516 Barataria Pass at Grand Isle	41.15	10.73	99.55	74.14	83.07	32.59	32.66	20.64	10.96	11.30	8.12	107.39
HWQ14 - Lake Washington	27.98	7.90	61.80	59.93	66.28	26.88	21.22	11.07	6.53	6.53	5.57	59.70
HWQ16 - Bayou Grand Liard	47.59	21.77	97.04	83.32	93.32	32.17	24.85	16.35	14.70	11.25	14.48	89.28
CRMS 3985	32.76	16.61	106.37	74.31	90.31	30.19	29.77	9.02	6.47	7.29	10.47	95.50
CRMS 0258	24.87	5.27	126.11	84.85	103.31	38.39	51.88	27.62	13.49	13.25	5.64	126.27
CRMS 0224	38.41	9.99	146.14	103.64	121.91	39.04	52.64	22.96	16.33	14.94	8.21	154.23
CRMS 0163	106.47	101.11	190.68	124.28	145.31	41.51	58.99	69.87	68.63	62.13	82.71	203.62
CRMS 0162	130.72	109.54	233.92	134.45	165.96	58.64	76.90	78.52	66.00	47.88	68.15	245.15

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	128.52	123.53	342.86	214.61	239.80	101.64	107.62	75.81	76.85	72.41	117.30	338.09
CRMS0276 - Just east of Wilkinson Canal	4.89	1.61	0.81	-5.78	0.42	-2.49	11.72	3.99	2.18	0.82	-0.13	-7.21
Barataria Waterway at Lafitte (USACE82875)	0.45	2.51	-5.31	-2.44	0.79	-0.09	-2.74	-0.09	2.13	2.05	1.32	-7.71
USGS2928590900040000 Barataria Waterway South of Lafitte	37.91	19.82	279.03	170.63	194.41	71.01	79.09	33.29	23.60	26.90	30.12	279.02
USGS7380251 Barataria Bay North of Grand Isle	25.26	4.11	179.50	117.25	140.35	39.88	45.74	12.46	3.68	0.39	7.90	190.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	33.52	5.45	215.82	123.50	150.03	46.14	59.98	14.59	7.41	6.39	6.60	226.05
USGS 07380335 - Little Lake Near Cutoff	29.94	2.67	173.67	90.83	118.14	32.93	46.12	10.62	4.00	3.07	0.63	177.08
USGS073802516 Barataria Pass at Grand Isle	28.61	2.29	81.73	44.85	55.97	16.32	21.74	9.11	3.33	2.39	0.81	92.50
HWQ14 - Lake Washington	24.94	2.65	49.81	47.18	57.38	20.27	16.82	6.51	1.73	0.26	0.04	55.04
HWQ16 - Bayou Grand Liard	9.35	1.38	36.41	18.58	21.70	2.33	9.42	1.47	1.46	0.29	-0.43	32.54
CRMS 3985	19.68	0.82	78.67	62.45	82.96	25.29	26.43	5.30	-4.93	-6.52	-1.17	90.75
CRMS 0258	17.45	0.83	91.87	49.94	60.29	13.71	30.84	6.60	1.95	2.60	1.29	97.30
CRMS 0224	29.11	2.63	132.23	72.21	88.83	19.62	42.58	11.91	3.48	3.97	2.88	143.57
CRMS 0163	1.41	2.71	-0.67	-0.74	2.45	0.79	0.98	1.72	2.51	2.67	0.37	-3.02
CRMS 0162	2.06	7.11	-3.48	-2.49	-1.04	-1.39	-1.26	0.01	12.23	10.62	3.01	-4.47

Figure WQ TSS 110 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.54	5.42	8.78	10.87	11.33	9.40	7.33	7.03	7.38	7.61	12.12	11.27
CRMS0276 - Just east of Wilkinson Canal	50.49	46.17	69.79	54.53	51.18	41.76	24.03	13.59	31.92	23.69	71.46	120.75
Barataria Waterway at Lafitte (USACE82875)	100.83	78.90	109.33	68.85	70.19	72.94	60.56	57.70	74.77	72.75	139.95	164.73
USGS2928590900040000 Barataria Waterway South of Lafitte	4.95	4.57	7.76	12.30	12.45	9.22	6.14	5.59	5.71	5.94	8.17	10.13
USGS7380251 Barataria Bay North of Grand Isle	8.05	7.83	9.40	9.43	8.26	7.47	6.76	11.30	13.43	12.45	11.82	12.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.30	8.97	14.76	15.48	11.44	7.96	7.47	7.06	7.77	7.84	12.01	19.95
USGS 07380335 - Little Lake Near Cutoff	21.81	14.30	23.24	22.86	16.67	10.22	9.55	6.42	8.60	8.60	18.16	36.92
USGS073802516 Barataria Pass at Grand Isle	14.54	10.51	17.96	20.14	16.66	12.01	11.34	8.80	7.98	9.19	13.24	26.38
HWQ14 - Lake Washington	4.93	5.21	8.69	8.99	7.02	5.50	4.35	4.75	7.18	7.60	7.53	8.99
HWQ16 - Bayou Grand Liard	43.59	27.78	53.09	40.15	30.98	21.42	16.76	12.86	12.39	11.37	39.92	82.70
CRMS 3985	13.47	13.33	9.67	7.24	5.50	4.74	4.22	16.30	18.40	16.56	17.04	16.81
CRMS 0258	17.59	18.04	22.90	24.28	26.69	28.71	12.92	7.51	10.59	14.13	27.89	28.35
CRMS 0224	11.19	10.21	15.91	21.39	19.49	14.66	10.30	9.29	11.76	10.57	11.85	21.77
CRMS 0163	116.55	97.98	118.71	73.16	64.94	72.06	62.27	67.34	84.65	94.65	186.49	173.81
CRMS 0162	144.07	113.18	154.59	86.96	71.62	85.72	81.10	64.60	61.68	85.20	192.94	215.41

V3PR8 HYST - cy 2 - 1985 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	209.35	169.60	221.36	147.62	128.46	114.88	86.53	94.20	106.07	146.51	303.91	280.80
CRMS0276 - Just east of Wilkinson Canal	72.71	36.97	64.23	49.68	48.76	34.54	22.88	13.67	26.13	22.50	64.53	100.58
Barataria Waterway at Lafitte (USACE82875)	62.46	46.93	61.93	51.58	53.21	49.69	37.14	30.41	50.60	49.58	88.10	102.87
USGS2928590900040000 Barataria Waterway South of Lafitte	159.99	108.88	172.26	106.46	89.57	70.65	44.05	40.21	34.61	63.02	221.54	230.54
USGS7380251 Barataria Bay North of Grand Isle	104.43	67.37	121.44	72.26	61.83	43.99	18.06	12.64	13.52	18.67	138.13	173.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	133.34	89.05	143.13	84.34	74.08	55.90	21.89	14.03	14.62	27.34	176.69	198.94
USGS 07380335 - Little Lake Near Cutoff	114.80	69.79	123.77	72.28	63.78	45.79	20.67	9.38	10.71	16.04	132.32	178.44
USGS073802516 Barataria Pass at Grand Isle	73.04	36.54	70.54	47.36	40.15	26.23	18.85	10.88	8.80	12.10	83.14	114.33
HWQ14 - Lake Washington	46.30	25.28	51.03	38.94	31.00	17.86	10.98	5.40	6.66	7.60	45.52	80.45
HWQ16 - Bayou Grand Liard	63.90	35.96	73.40	49.79	40.84	25.63	17.54	12.05	12.59	11.84	54.40	114.49
CRMS 3985	55.72	29.08	70.28	43.76	36.35	21.28	8.33	4.36	12.26	11.80	48.89	108.13
CRMS 0258	85.21	48.43	86.20	49.67	49.82	41.94	19.42	10.89	10.11	17.06	87.29	130.68
CRMS 0224	99.38	57.94	99.86	58.81	55.34	38.53	23.88	14.63	13.62	18.47	109.91	151.59
CRMS 0163	101.69	91.54	108.74	65.89	60.28	71.01	57.83	66.49	86.49	93.86	170.86	162.30
CRMS 0162	133.84	108.97	141.20	75.54	65.04	83.07	81.85	72.65	75.26	97.00	187.40	202.41

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	201.81	164.19	212.57	136.75	117.13	105.48	79.21	87.17	98.69	138.90	291.79	269.54
CRMS0276 - Just east of Wilkinson Canal	22.22	-9.20	-5.57	-4.85	-2.42	-7.22	-1.16	0.08	-5.79	-1.18	-6.92	-20.17
Barataria Waterway at Lafitte (USACE82875)	-38.37	-31.97	-47.40	-17.27	-16.97	-23.25	-23.42	-27.28	-24.17	-23.18	-51.84	-61.86
USGS2928590900040000 Barataria Waterway South of Lafitte	155.05	104.32	164.51	94.16	77.12	61.43	37.90	34.62	28.90	57.08	213.37	220.41
USGS7380251 Barataria Bay North of Grand Isle	96.37	59.55	112.04	62.83	53.57	36.52	11.30	1.34	0.09	6.22	126.31	160.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	121.05	80.08	128.38	68.86	62.63	47.94	14.41	6.96	6.84	19.50	164.68	178.99
USGS 07380335 - Little Lake Near Cutoff	92.98	55.49	100.53	49.42	47.11	35.57	11.11	2.96	2.11	7.44	114.16	141.52
USGS073802516 Barataria Pass at Grand Isle	58.50	26.03	52.58	27.22	23.50	14.21	7.52	2.08	0.82	2.92	69.91	87.94
HWQ14 - Lake Washington	41.37	20.06	42.33	29.95	23.98	12.37	6.63	0.64	-0.52	0.00	37.99	71.46
HWQ16 - Bayou Grand Liard	20.31	8.18	20.32	9.64	9.86	4.21	0.79	-0.80	0.21	0.47	14.49	31.80
CRMS 3985	42.25	15.75	60.61	36.52	30.85	16.54	4.12	-11.95	-6.14	-4.76	31.85	91.32
CRMS 0258	67.63	30.38	63.29	25.39	23.13	13.23	6.50	3.38	-0.48	2.93	59.39	102.34
CRMS 0224	88.19	47.73	83.95	37.42	35.85	23.87	13.58	5.35	1.86	7.90	98.06	129.82
CRMS 0163	-14.86	-6.44	-9.97	-7.27	-4.65	-1.05	-4.43	-0.85	1.84	-0.78	-15.63	-11.52
CRMS 0162	-10.24	-4.21	-13.39	-11.42	-6.58	-2.66	0.75	8.05	13.58	11.80	-5.53	-13.00

Figure WQ TSS 111 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.91	6.53	8.30	10.57	11.63	8.58	7.19	7.03	6.87	6.45	4.04	9.69
CRMS0276 - Just east of Wilkinson Canal	45.54	72.00	60.54	57.83	56.52	31.44	18.08	15.35	22.13	18.45	35.79	65.45
Barataria Waterway at Lafitte (USACE82875)	87.14	111.02	91.72	76.82	72.82	52.10	61.48	60.30	59.65	53.44	84.72	134.75
USGS2928590900040000 Barataria Waterway South of Lafitte	3.93	5.39	7.65	11.93	13.39	8.46	5.54	5.38	5.36	5.25	2.95	5.86
USGS7380251 Barataria Bay North of Grand Isle	11.21	9.60	8.40	8.75	7.99	6.77	6.27	11.61	11.70	10.65	9.10	13.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.57	11.12	14.66	14.92	12.61	7.79	6.60	6.94	7.12	6.93	7.50	8.84
USGS 07380335 - Little Lake Near Cutoff	16.84	19.94	22.95	22.52	19.31	9.79	7.67	6.55	7.06	7.38	10.76	14.40
USGS073802516 Barataria Pass at Grand Isle	11.83	14.13	17.90	19.36	18.97	11.64	9.50	8.98	7.38	8.16	7.97	11.43
HWQ14 - Lake Washington	7.68	6.23	8.52	8.21	7.09	5.39	4.26	4.87	6.49	6.66	6.28	7.32
HWQ16 - Bayou Grand Liard	32.25	47.46	49.16	39.96	39.98	17.34	10.45	12.64	9.55	9.73	18.66	34.95
CRMS 3985	19.71	16.48	7.04	6.29	5.06	4.00	3.85	16.41	14.71	13.78	17.08	25.96
CRMS 0258	14.59	21.38	20.35	24.85	28.21	20.68	13.40	7.99	9.24	8.70	3.58	24.10
CRMS 0224	8.38	13.69	15.80	20.81	22.45	13.77	9.14	9.30	10.55	9.15	5.50	8.22
CRMS 0163	98.03	128.80	98.89	84.74	65.88	49.89	67.74	63.36	66.47	60.48	114.24	165.68
CRMS 0162	121.73	149.44	129.87	100.30	81.62	58.43	90.93	69.93	40.79	38.91	94.58	199.73

V3PR8 HYST - cy 2 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.29	233.26	199.85	175.85	146.80	74.00	94.32	84.37	85.78	91.44	139.73	257.26
CRMS0276 - Just east of Wilkinson Canal	41.62	64.55	56.30	53.16	54.87	28.84	16.87	15.83	17.38	17.97	33.97	56.08
Barataria Waterway at Lafitte (USACE82875)	54.32	65.78	54.93	55.71	57.84	38.04	35.79	34.40	40.92	40.57	55.36	76.53
USGS2928590900040000 Barataria Waterway South of Lafitte	95.42	189.05	162.78	140.67	114.39	38.99	44.39	40.13	31.34	33.97	24.72	144.96
USGS7380251 Barataria Bay North of Grand Isle	57.11	125.98	109.58	92.22	73.81	21.83	12.85	12.68	11.16	10.10	11.90	82.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.79	151.80	128.08	105.54	85.34	25.47	14.74	14.02	13.04	12.49	12.16	109.98
USGS 07380335 - Little Lake Near Cutoff	69.17	124.58	108.66	87.96	72.46	23.99	11.88	10.05	8.87	9.01	12.26	84.54
USGS073802516 Barataria Pass at Grand Isle	48.08	71.68	61.64	51.81	46.39	21.61	11.98	11.36	7.73	9.33	9.38	39.82
HWQ14 - Lake Washington	24.60	48.29	45.78	42.30	39.19	16.03	6.29	4.97	5.46	5.89	6.47	23.48
HWQ16 - Bayou Grand Liard	39.42	67.23	64.34	53.85	48.43	20.86	11.13	13.28	9.78	10.51	18.85	42.78
CRMS 3985	30.14	62.66	61.45	50.76	44.64	13.35	4.53	4.02	8.11	6.88	13.96	40.76
CRMS 0258	45.82	82.79	74.23	59.96	52.15	25.61	16.86	11.38	9.28	9.53	3.80	64.19
CRMS 0224	55.94	103.65	87.47	72.66	59.13	24.81	15.30	14.84	12.47	11.99	8.34	68.82
CRMS 0163	90.54	121.96	95.42	81.94	64.59	49.15	64.26	62.10	68.62	62.51	108.17	154.08
CRMS 0162	120.66	145.34	125.94	97.29	78.93	57.75	91.45	74.19	48.39	49.28	97.14	201.56

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	151.38	226.73	191.55	165.28	135.16	65.41	87.13	77.33	78.91	84.99	135.69	247.57
CRMS0276 - Just east of Wilkinson Canal	-3.92	-7.45	-4.24	-4.67	-1.65	-2.60	-1.22	0.48	-4.76	-0.48	-1.82	-9.38
Barataria Waterway at Lafitte (USACE82875)	-32.82	-45.23	-36.79	-21.11	-14.98	-14.07	-25.68	-25.90	-18.73	-12.87	-29.37	-58.22
USGS2928590900040000 Barataria Waterway South of Lafitte	91.49	183.67	155.13	128.74	101.00	30.53	38.85	34.75	25.98	28.72	21.77	139.10
USGS7380251 Barataria Bay North of Grand Isle	45.90	116.38	101.18	83.48	65.82	15.06	6.57	1.07	-0.55	-0.55	2.79	69.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	75.22	140.68	113.43	90.62	72.72	17.68	8.15	7.08	5.91	5.57	4.67	101.14
USGS 07380335 - Little Lake Near Cutoff	52.33	104.64	85.71	65.44	53.14	14.20	4.22	3.50	1.82	1.63	1.50	70.14
USGS073802516 Barataria Pass at Grand Isle	36.24	57.55	43.74	32.45	27.42	9.98	2.48	2.38	0.35	1.17	1.41	28.39
HWQ14 - Lake Washington	16.92	42.05	37.25	34.09	32.11	10.64	2.03	0.10	-1.04	-0.77	0.19	16.16
HWQ16 - Bayou Grand Liard	7.17	19.77	15.18	13.89	8.44	3.52	0.68	0.64	0.23	0.78	0.19	7.83
CRMS 3985	10.44	46.18	54.41	44.47	39.58	9.35	0.68	-12.40	-6.60	-6.90	-3.12	14.80
CRMS 0258	31.23	61.42	53.88	35.11	23.94	4.93	3.46	3.39	0.04	0.84	0.21	40.08
CRMS 0224	47.56	89.96	71.67	51.85	36.68	11.04	6.16	5.54	1.92	2.84	2.83	60.59
CRMS 0163	-7.49	-6.84	-3.47	-2.80	-1.29	-0.74	-3.48	-1.26	2.14	2.03	-6.07	-11.61
CRMS 0162	-1.07	-4.11	-3.93	-3.01	-2.69	-0.68	0.52	4.26	7.60	10.37	2.56	1.84

Figure WQ TSS 112 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.79	8.20	7.66	10.33	13.12	7.56	6.77	6.68	5.92	6.32	8.33	9.56
CRMS0276 - Just east of Wilkinson Canal	22.45	101.02	63.14	97.39	81.71	45.68	12.82	9.10	12.15	23.25	57.87	60.07
Barataria Waterway at Lafitte (USACE82875)	77.17	157.68	114.30	116.69	115.72	82.74	54.01	49.65	26.96	93.99	123.23	114.63
USGS2928590900040000 Barataria Waterway South of Lafitte	2.33	6.83	6.75	12.58	13.88	7.52	4.95	4.95	4.44	4.38	5.38	7.21
USGS7380251 Barataria Bay North of Grand Isle	10.12	13.78	11.64	10.98	11.78	8.15	14.09	12.51	9.22	13.48	10.84	13.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.74	12.19	12.44	17.57	13.47	8.49	7.43	7.26	5.89	6.33	10.35	10.87
USGS 07380335 - Little Lake Near Cutoff	9.05	23.55	17.26	29.03	20.73	11.66	7.10	6.40	5.54	6.52	15.32	17.00
USGS073802516 Barataria Pass at Grand Isle	7.03	16.20	14.56	23.33	19.38	13.39	8.73	8.28	6.31	7.17	11.44	13.38
HWQ14 - Lake Washington	6.34	7.61	10.60	10.11	9.01	6.33	8.03	7.22	5.78	7.61	7.59	7.95
HWQ16 - Bayou Grand Liard	14.70	58.12	34.23	61.49	43.52	27.30	11.55	11.32	8.80	11.31	32.28	34.90
CRMS 3985	20.41	24.44	17.66	11.10	13.34	9.32	20.45	14.58	8.91	20.10	17.37	24.04
CRMS 0258	5.27	26.09	17.16	33.54	36.48	13.58	6.58	5.99	5.76	5.20	18.26	19.41
CRMS 0224	4.79	15.52	12.21	27.29	23.66	15.58	8.04	8.04	7.78	6.93	8.82	10.57
CRMS 0163	107.60	180.65	142.35	115.90	117.99	80.99	54.58	48.10	28.65	118.62	164.20	135.05
CRMS 0162	114.30	187.51	140.42	111.11	123.16	96.47	59.38	36.48	21.41	91.76	158.58	162.80

V3PR8 HYST - cy 2 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	162.42	257.85	230.45	150.01	200.57	114.86	87.13	56.96	49.30	152.69	184.74	161.79
CRMS0276 - Just east of Wilkinson Canal	20.76	82.66	52.34	89.32	70.06	41.95	13.53	10.11	11.60	22.13	55.20	54.62
Barataria Waterway at Lafitte (USACE82875)	45.53	97.82	66.80	86.94	82.51	59.28	31.83	25.04	25.94	60.67	81.82	72.39
USGS2928590900040000 Barataria Waterway South of Lafitte	51.09	164.85	129.29	55.74	125.17	34.39	37.43	31.62	20.05	43.38	32.63	31.31
USGS7380251 Barataria Bay North of Grand Isle	20.50	109.08	80.53	49.06	80.35	15.62	10.08	9.85	8.92	13.44	17.36	15.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	23.76	143.48	100.88	58.74	108.66	19.88	12.80	11.23	9.08	14.59	18.03	16.42
USGS 07380335 - Little Lake Near Cutoff	12.18	116.17	77.94	63.62	88.81	19.48	10.78	8.07	6.81	9.79	18.71	18.25
USGS073802516 Barataria Pass at Grand Isle	9.88	74.65	46.44	52.24	45.81	19.11	10.53	8.59	6.04	9.15	14.42	14.24
HWQ14 - Lake Washington	8.18	44.35	28.22	37.54	29.74	11.13	5.39	4.37	4.62	7.61	9.82	9.53
HWQ16 - Bayou Grand Liard	15.41	71.66	44.54	71.61	49.70	29.63	12.37	11.87	8.61	11.93	33.03	35.21
CRMS 3985	21.03	47.97	32.58	34.88	35.15	9.14	3.87	3.59	5.39	15.61	19.44	23.16
CRMS 0258	8.92	66.71	40.14	42.68	60.21	13.60	9.16	8.77	6.13	8.03	20.45	21.06
CRMS 0224	11.26	89.88	54.10	47.30	66.40	19.05	13.01	11.95	9.56	12.77	13.19	12.46
CRMS 0163	101.44	172.22	134.75	114.31	112.47	82.11	52.19	47.05	36.70	119.97	154.04	128.91
CRMS 0162	118.09	184.69	138.61	112.81	120.95	99.85	67.76	40.37	23.12	117.01	160.47	166.34

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.64	249.65	222.79	139.68	187.44	107.30	80.36	50.28	43.38	146.38	176.41	152.23
CRMS0276 - Just east of Wilkinson Canal	-1.69	-18.36	-10.80	-8.07	-11.64	-3.73	0.72	1.01	-0.55	-1.12	-2.68	-5.45
Barataria Waterway at Lafitte (USACE82875)	-31.64	-59.86	-47.50	-29.75	-33.21	-23.46	-22.18	-24.61	-1.03	-33.32	-41.41	-42.24
USGS2928590900040000 Barataria Waterway South of Lafitte	48.76	158.02	122.54	43.17	111.29	26.87	32.48	26.67	15.61	39.00	27.25	24.10
USGS7380251 Barataria Bay North of Grand Isle	10.38	95.30	68.88	38.08	68.57	7.47	-4.01	-2.66	-0.30	-0.04	6.52	2.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.02	131.29	88.44	41.17	95.20	11.39	5.37	3.97	3.18	8.25	7.68	5.55
USGS 07380335 - Little Lake Near Cutoff	3.13	92.62	60.69	34.59	68.08	7.82	3.68	1.68	1.27	3.27	3.39	1.26
USGS073802516 Barataria Pass at Grand Isle	2.84	58.45	31.89	28.91	26.42	5.72	1.80	0.31	-0.27	1.98	2.98	0.85
HWQ14 - Lake Washington	1.83	36.75	17.61	27.44	20.73	4.80	-2.64	-2.84	-1.16	0.01	2.23	1.58
HWQ16 - Bayou Grand Liard	0.70	13.54	10.31	10.13	6.19	2.33	0.82	0.55	-0.19	0.62	0.75	0.31
CRMS 3985	0.62	23.53	14.92	23.78	21.81	-0.18	-16.57	-10.99	-3.52	-4.49	2.07	-0.88
CRMS 0258	3.64	40.62	22.98	9.13	23.72	0.02	2.58	2.78	0.37	2.83	2.19	1.65
CRMS 0224	6.47	74.35	41.89	20.01	42.74	3.47	4.96	3.91	1.78	5.85	4.38	1.90
CRMS 0163	-6.16	-8.44	-7.60	-1.59	-5.53	1.12	-2.38	-1.05	8.05	1.35	-10.17	-6.14
CRMS 0162	3.80	-2.81	-1.81	1.70	-2.21	3.37	8.38	3.89	1.71	25.25	1.89	3.54

Figure WQ TSS 113 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.10	4.99	7.06	10.39	11.93	9.73	9.31	10.16	8.78	7.75	4.51	6.32
CRMS0276 - Just east of Wilkinson Canal	27.83	63.43	38.10	63.71	66.14	53.43	33.86	31.85	39.61	27.78	26.26	31.68
Barataria Waterway at Lafitte (USACE82875)	66.63	92.61	59.41	78.88	91.80	74.22	76.29	73.57	70.56	73.77	57.25	87.24
USGS2928590900040000 Barataria Waterway South of Lafitte	2.71	4.40	6.59	11.67	13.20	10.16	6.40	7.16	7.89	6.69	3.59	3.62
USGS7380251 Barataria Bay North of Grand Isle	7.96	6.79	6.38	8.75	8.48	7.39	7.57	9.39	12.49	11.96	8.19	9.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.36	9.20	11.13	14.14	11.79	8.98	7.91	8.99	8.64	8.34	7.30	5.88
USGS 07380335 - Little Lake Near Cutoff	9.72	17.38	16.49	22.35	17.94	12.68	10.95	11.31	10.55	9.88	9.63	7.96
USGS073802516 Barataria Pass at Grand Isle	7.16	12.37	13.37	18.48	17.03	14.96	13.10	13.19	9.12	9.95	8.10	7.15
HWQ14 - Lake Washington	5.38	4.49	6.82	7.73	6.84	5.60	4.37	4.62	6.55	7.23	6.16	5.45
HWQ16 - Bayou Grand Liard	20.60	43.58	28.41	41.00	36.19	33.13	25.65	21.81	17.53	12.68	15.23	17.21
CRMS 3985	13.29	11.03	4.80	6.61	5.60	4.80	3.69	10.36	15.71	16.27	13.00	19.08
CRMS 0258	9.86	15.83	16.13	25.32	29.91	29.61	26.50	26.87	17.68	11.59	3.72	8.11
CRMS 0224	4.85	11.39	12.45	21.23	20.74	18.50	11.27	12.10	15.11	11.94	6.25	4.24
CRMS 0163	83.84	104.47	71.18	81.01	94.96	70.75	76.21	86.62	79.95	83.13	68.18	110.53
CRMS 0162	98.31	122.91	84.30	89.63	99.29	86.41	113.38	104.45	77.17	75.85	53.62	129.70

V3PR8 HYST - cy 2 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.69	192.26	155.18	156.96	184.41	147.24	158.08	129.83	101.18	109.05	89.25	145.85
CRMS0276 - Just east of Wilkinson Canal	36.20	51.89	32.78	57.32	58.62	46.40	47.44	38.78	35.71	23.82	27.27	33.70
Barataria Waterway at Lafitte (USACE82875)	42.91	57.82	36.29	59.27	65.92	54.06	43.13	41.17	52.72	53.17	40.26	50.52
USGS2928590900040000 Barataria Waterway South of Lafitte	122.40	155.57	113.91	120.60	145.65	112.35	120.17	74.23	32.14	37.65	18.37	29.04
USGS7380251 Barataria Bay North of Grand Isle	69.85	104.99	70.63	82.25	99.36	71.77	73.55	46.87	14.82	11.83	9.04	6.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	92.13	123.15	89.39	94.75	112.68	88.23	98.50	61.39	17.25	15.11	10.37	10.56
USGS 07380335 - Little Lake Near Cutoff	69.41	102.34	70.83	81.41	92.63	72.31	79.45	50.82	15.20	12.17	10.87	9.56
USGS073802516 Barataria Pass at Grand Isle	41.33	62.04	38.07	50.86	49.66	41.24	43.13	34.90	14.05	12.05	8.86	7.50
HWQ14 - Lake Washington	20.16	44.63	25.01	40.71	39.74	33.00	28.44	19.66	8.51	7.17	5.66	3.94
HWQ16 - Bayou Grand Liard	30.85	59.38	35.62	54.91	51.08	41.37	35.44	26.77	19.50	12.38	16.23	18.52
CRMS 3985	26.08	55.97	32.81	46.19	54.10	41.24	40.61	24.51	7.57	8.27	8.01	3.89
CRMS 0258	49.13	68.00	41.79	54.68	66.72	61.51	69.12	51.54	18.79	13.15	3.83	8.77
CRMS 0224	60.65	85.78	50.22	65.55	77.02	63.70	70.36	50.79	18.32	15.08	7.74	7.10
CRMS 0163	76.61	100.07	65.49	77.81	91.72	71.20	75.17	84.29	82.41	84.20	65.54	107.14
CRMS 0162	96.79	119.42	79.18	87.91	96.41	84.27	111.52	105.29	88.43	91.25	57.55	140.18

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.59	187.26	148.13	146.57	172.47	137.51	148.77	119.67	92.41	101.31	84.74	139.53
CRMS0276 - Just east of Wilkinson Canal	8.37	-11.54	-5.32	-6.40	-7.52	-7.03	13.58	6.93	-3.90	-3.96	1.02	2.02
Barataria Waterway at Lafitte (USACE82875)	-23.71	-34.79	-23.12	-19.61	-25.88	-20.15	-33.16	-32.40	-17.84	-20.60	-16.99	-36.72
USGS2928590900040000 Barataria Waterway South of Lafitte	119.69	151.17	107.31	108.93	132.45	102.19	113.77	67.08	24.25	30.97	14.78	25.42
USGS7380251 Barataria Bay North of Grand Isle	61.89	98.20	64.25	73.51	90.87	64.38	65.98	37.48	2.32	-0.13	0.85	-3.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.77	113.95	78.26	80.61	100.89	79.25	90.60	52.40	8.62	6.77	3.07	4.67
USGS 07380335 - Little Lake Near Cutoff	59.69	84.95	54.33	59.05	74.69	59.63	68.50	39.51	4.65	2.29	1.24	1.60
USGS073802516 Barataria Pass at Grand Isle	34.16	49.67	24.70	32.37	32.63	26.29	30.03	21.71	4.93	2.10	0.76	0.35
HWQ14 - Lake Washington	14.78	40.14	18.18	32.97	32.90	27.39	24.08	15.04	1.96	-0.07	-0.50	-1.51
HWQ16 - Bayou Grand Liard	10.25	15.80	7.21	13.91	14.90	8.24	9.78	4.95	1.97	-0.30	1.00	1.32
CRMS 3985	12.79	44.93	28.01	39.58	48.50	36.44	36.92	14.15	-8.14	-8.00	-4.99	-15.19
CRMS 0258	39.27	52.17	25.66	29.36	36.81	31.90	42.62	24.67	1.11	1.56	0.11	0.65
CRMS 0224	55.80	74.39	37.77	44.32	56.28	45.19	59.09	38.69	3.21	3.14	1.49	2.86
CRMS 0163	-7.23	-4.40	-5.70	-3.20	-3.25	0.45	-1.03	-2.34	2.46	1.07	-2.65	-3.39
CRMS 0162	-1.51	-3.49	-5.12	-1.73	-2.88	-2.14	-1.86	0.84	11.26	15.40	3.93	10.48

Figure WQ TSS 114 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.00	2.56	11.17	13.99	15.34	10.14	8.55	8.79	7.03	6.96	4.09	8.93
CRMS0276 - Just east of Wilkinson Canal	48.14	35.76	89.13	92.85	105.54	38.87	22.52	23.15	31.12	22.71	25.55	96.58
Barataria Waterway at Lafitte (USACE82875)	93.35	79.68	167.46	118.32	140.07	52.45	56.90	59.68	59.01	58.38	58.81	173.51
USGS2928590900040000 Barataria Waterway South of Lafitte	2.64	1.85	7.05	16.31	18.07	10.71	5.84	5.67	5.79	5.83	3.16	6.74
USGS7380251 Barataria Bay North of Grand Isle	6.08	7.90	15.61	13.31	10.37	7.50	7.12	7.44	9.05	10.47	7.45	6.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.55	7.31	15.28	22.57	17.30	10.38	7.05	8.35	7.21	7.37	6.68	10.04
USGS 07380335 - Little Lake Near Cutoff	20.13	11.44	22.64	34.90	28.85	14.18	8.58	9.36	8.48	8.43	9.14	20.03
USGS073802516 Barataria Pass at Grand Isle	12.54	8.44	17.82	29.29	27.11	16.27	10.92	11.52	7.63	8.90	7.31	14.89
HWQ14 - Lake Washington	3.05	5.25	11.99	12.74	8.90	6.61	4.40	4.55	4.79	6.26	5.54	4.67
HWQ16 - Bayou Grand Liard	38.24	20.39	60.63	64.75	71.62	29.83	15.44	14.89	13.24	10.96	14.91	56.74
CRMS 3985	13.08	15.79	27.70	11.85	7.35	4.90	3.34	3.72	11.40	13.81	11.63	4.75
CRMS 0258	7.42	4.44	34.24	34.91	43.01	24.68	21.04	21.02	11.54	10.65	4.35	28.97
CRMS 0224	9.30	7.36	13.91	31.42	33.08	19.42	10.06	11.06	12.86	10.97	5.33	10.65
CRMS 0163	105.06	98.40	191.35	125.03	142.86	40.72	58.00	68.15	66.12	59.46	82.34	206.63
CRMS 0162	128.66	102.43	237.41	136.94	167.00	60.03	78.15	78.51	53.78	37.27	65.13	249.63

V3PR8 HYST - cy 2 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	132.68	127.56	354.06	228.64	254.52	111.85	116.16	84.49	84.16	79.81	122.44	347.07
CRMS0276 - Just east of Wilkinson Canal	49.52	32.99	90.55	82.49	100.43	36.38	34.14	25.31	26.18	20.67	24.26	87.10
Barataria Waterway at Lafitte (USACE82875)	61.98	46.48	82.10	84.53	101.21	42.11	31.69	35.24	44.22	44.88	39.43	92.76
USGS2928590900040000 Barataria Waterway South of Lafitte	40.76	21.86	287.02	187.55	212.46	81.95	85.41	39.30	29.46	32.95	33.53	286.96
USGS7380251 Barataria Bay North of Grand Isle	31.25	11.95	194.14	130.48	149.35	47.11	52.78	19.75	12.45	10.71	15.79	197.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.56	12.46	234.16	147.72	168.56	57.24	68.01	22.84	14.13	13.51	13.16	238.61
USGS 07380335 - Little Lake Near Cutoff	49.63	13.48	196.45	125.80	146.40	46.60	54.49	19.80	11.00	10.59	9.97	195.72
USGS073802516 Barataria Pass at Grand Isle	40.54	10.42	99.01	73.75	82.87	32.74	32.60	20.51	10.37	10.83	8.01	106.49
HWQ14 - Lake Washington	27.86	8.06	65.33	61.50	68.49	27.45	22.21	11.06	6.59	6.45	5.65	61.97
HWQ16 - Bayou Grand Liard	46.22	20.94	95.45	81.97	91.70	31.71	24.23	15.83	13.35	11.14	14.52	86.59
CRMS 3985	32.71	16.80	104.97	73.60	88.92	30.01	29.35	8.78	6.35	7.34	11.10	94.29
CRMS 0258	25.25	4.98	129.03	86.72	105.00	37.81	52.03	27.48	11.78	11.78	5.21	129.83
CRMS 0224	38.43	9.60	145.66	103.83	122.47	38.77	52.27	22.72	14.67	13.46	7.61	154.93
CRMS 0163	98.32	96.65	178.83	120.15	141.75	41.61	56.06	66.78	68.27	60.83	77.53	192.58
CRMS 0162	131.00	109.90	231.39	134.07	165.17	57.67	76.83	78.87	65.50	47.61	69.24	245.11

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	129.68	125.00	342.89	214.64	239.18	101.70	107.61	75.71	77.13	72.85	118.35	338.14
CRMS0276 - Just east of Wilkinson Canal	1.38	-2.77	1.42	-10.36	-5.12	-2.49	11.62	2.16	-4.94	-2.04	-1.29	-9.48
Barataria Waterway at Lafitte (USACE82875)	-31.37	-33.21	-85.36	-33.79	-38.87	-10.33	-25.20	-24.43	-14.80	-13.50	-19.39	-80.76
USGS2928590900040000 Barataria Waterway South of Lafitte	38.12	20.00	279.97	171.25	194.39	71.24	79.57	33.62	23.66	27.12	30.37	280.22
USGS7380251 Barataria Bay North of Grand Isle	25.17	4.05	178.52	117.17	138.98	39.60	45.65	12.31	3.41	0.24	8.34	190.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	33.01	5.15	218.88	125.15	151.26	46.86	60.96	14.48	6.92	6.14	6.48	228.56
USGS 07380335 - Little Lake Near Cutoff	29.50	2.04	173.81	90.90	117.55	32.42	45.90	10.43	2.52	2.16	0.83	175.70
USGS073802516 Barataria Pass at Grand Isle	28.00	1.98	81.19	44.46	55.76	16.46	21.69	8.99	2.75	1.93	0.70	91.60
HWQ14 - Lake Washington	24.81	2.81	53.34	48.76	59.59	20.84	17.80	6.50	1.79	0.19	0.12	57.30
HWQ16 - Bayou Grand Liard	7.98	0.56	34.82	17.22	20.08	1.87	8.79	0.94	0.12	0.18	-0.39	29.85
CRMS 3985	19.63	1.01	77.27	61.74	81.57	25.11	26.02	5.06	-5.05	-6.46	-0.53	89.54
CRMS 0258	17.83	0.54	94.79	51.81	61.99	13.13	30.99	6.47	0.24	1.13	0.86	100.86
CRMS 0224	29.13	2.24	131.74	72.40	89.39	19.35	42.21	11.66	1.81	2.48	2.28	144.27
CRMS 0163	-6.74	-1.75	-12.52	-4.88	-1.11	0.89	-1.94	-1.37	2.15	1.37	-4.80	-14.06
CRMS 0162	2.34	7.47	-6.01	-2.87	-1.83	-2.37	-1.32	0.36	11.73	10.34	4.10	-4.51

Figure WQ TSS 115 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.54	5.42	8.78	10.87	11.33	9.40	7.33	7.03	7.38	7.61	12.12	11.27
CRMS0276 - Just east of Wilkinson Canal	50.49	46.17	69.79	54.53	51.18	41.76	24.03	13.59	31.92	23.69	71.46	120.75
Barataria Waterway at Lafitte (USACE82875)	100.83	78.90	109.33	68.85	70.19	72.94	60.56	57.70	74.77	72.75	139.95	164.73
USGS2928590900040000 Barataria Waterway South of Lafitte	4.95	4.57	7.76	12.30	12.45	9.22	6.14	5.59	5.71	5.94	8.17	10.13
USGS7380251 Barataria Bay North of Grand Isle	8.05	7.83	9.40	9.43	8.26	7.47	6.76	11.30	13.43	12.45	11.82	12.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.30	8.97	14.76	15.48	11.44	7.96	7.47	7.06	7.77	7.84	12.01	19.95
USGS 07380335 - Little Lake Near Cutoff	21.81	14.30	23.24	22.86	16.67	10.22	9.55	6.42	8.60	8.60	18.16	36.92
USGS073802516 Barataria Pass at Grand Isle	14.54	10.51	17.96	20.14	16.66	12.01	11.34	8.80	7.98	9.19	13.24	26.38
HWQ14 - Lake Washington	4.93	5.21	8.69	8.99	7.02	5.50	4.35	4.75	7.18	7.60	7.53	8.99
HWQ16 - Bayou Grand Liard	43.59	27.78	53.09	40.15	30.98	21.42	16.76	12.86	12.39	11.37	39.92	82.70
CRMS 3985	13.47	13.33	9.67	7.24	5.50	4.74	4.22	16.30	18.40	16.56	17.04	16.81
CRMS 0258	17.59	18.04	22.90	24.28	26.69	28.71	12.92	7.51	10.59	14.13	27.89	28.35
CRMS 0224	11.19	10.21	15.91	21.39	19.49	14.66	10.30	9.29	11.76	10.57	11.85	21.77
CRMS 0163	116.55	97.98	118.71	73.16	64.94	72.06	62.27	67.34	84.65	94.65	186.49	173.81
CRMS 0162	144.07	113.18	154.59	86.96	71.62	85.72	81.10	64.60	61.68	85.20	192.94	215.41

V3PR9 HYST - cy 2 - 1985 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.30	5.24	8.73	10.43	10.76	8.77	6.99	6.70	7.22	7.51	12.97	11.31
CRMS0276 - Just east of Wilkinson Canal	46.99	40.83	63.70	52.01	48.09	36.59	20.20	12.15	24.08	22.23	64.32	110.93
Barataria Waterway at Lafitte (USACE82875)	65.17	46.79	65.56	53.31	54.87	50.40	38.09	29.48	46.91	46.43	87.41	107.53
USGS2928590900040000 Barataria Waterway South of Lafitte	4.64	4.36	7.43	11.70	11.71	8.50	5.87	5.47	5.46	5.50	8.03	9.81
USGS7380251 Barataria Bay North of Grand Isle	7.19	7.22	9.80	9.23	7.94	7.21	6.65	11.53	13.55	12.96	15.29	10.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.50	8.32	14.11	15.04	10.87	7.51	7.18	6.78	7.12	7.17	12.19	18.16
USGS 07380335 - Little Lake Near Cutoff	21.08	13.68	22.45	22.34	15.68	9.56	9.10	6.38	7.47	7.80	18.50	34.95
USGS073802516 Barataria Pass at Grand Isle	13.83	10.10	17.72	20.02	16.03	11.60	10.86	8.46	7.48	8.57	13.59	25.37
HWQ14 - Lake Washington	4.42	4.88	8.82	8.88	6.70	5.23	4.27	5.04	7.48	7.97	9.60	8.61
HWQ16 - Bayou Grand Liard	42.58	27.04	53.71	40.40	29.58	20.33	16.05	12.98	12.10	12.62	40.19	83.66
CRMS 3985	11.24	12.03	11.44	7.30	5.39	4.64	4.15	16.26	18.41	17.84	24.54	11.30
CRMS 0258	17.12	17.63	22.05	23.12	24.91	27.73	12.41	6.86	8.21	11.86	26.71	26.92
CRMS 0224	10.48	9.46	14.60	20.43	17.57	12.65	9.36	8.37	9.25	8.29	10.34	18.69
CRMS 0163	106.41	92.45	115.58	72.02	63.62	71.57	56.46	63.09	83.94	90.14	169.67	168.47
CRMS 0162	143.45	111.50	155.19	87.37	69.59	85.68	82.02	69.07	69.30	89.43	189.10	215.82

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.24	-0.18	-0.05	-0.44	-0.58	-0.64	-0.33	-0.33	-0.16	-0.09	0.85	0.04
CRMS0276 - Just east of Wilkinson Canal	-3.50	-5.34	-6.09	-2.52	-3.08	-5.18	-3.83	-1.44	-7.83	-1.46	-7.14	-9.82
Barataria Waterway at Lafitte (USACE82875)	-35.66	-32.11	-43.78	-15.54	-15.31	-22.54	-22.47	-28.22	-27.85	-26.32	-52.53	-57.20
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.30	-0.20	-0.32	-0.59	-0.75	-0.73	-0.27	-0.12	-0.25	-0.45	-0.14	-0.32
USGS7380251 Barataria Bay North of Grand Isle	-0.86	-0.61	0.40	-0.20	-0.32	-0.26	-0.11	0.24	0.12	0.51	3.46	-2.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.80	-0.65	-0.65	-0.44	-0.57	-0.45	-0.29	-0.28	-0.66	-0.68	0.18	-1.79
USGS 07380335 - Little Lake Near Cutoff	-0.74	-0.62	-0.79	-0.52	-0.99	-0.66	-0.46	-0.04	-1.13	-0.80	0.34	-1.97
USGS073802516 Barataria Pass at Grand Isle	-0.71	-0.41	-0.24	-0.12	-0.63	-0.42	-0.47	-0.33	-0.51	-0.62	0.35	-1.01
HWQ14 - Lake Washington	-0.51	-0.34	0.13	-0.11	-0.32	-0.27	-0.09	0.29	0.30	0.37	2.07	-0.37
HWQ16 - Bayou Grand Liard	-1.01	-0.74	0.62	0.25	-1.39	-1.08	-0.71	0.12	-0.28	1.24	0.27	0.96
CRMS 3985	-2.23	-1.29	1.77	0.05	-0.11	-0.10	-0.06	-0.04	0.01	1.28	7.50	-5.50
CRMS 0258	-0.47	-0.42	-0.85	-1.15	-1.78	-0.99	-0.51	-0.65	-2.38	-2.27	-1.18	-1.43
CRMS 0224	-0.71	-0.75	-1.31	-0.96	-1.93	-2.01	-0.95	-0.92	-2.52	-2.28	-1.50	-3.08
CRMS 0163	-10.13	-5.54	-3.13	-1.14	-1.32	-0.49	-5.81	-4.25	-0.71	-4.50	-16.82	-5.35
CRMS 0162	-0.63	-1.68	0.60	0.41	-2.03	-0.04	0.92	4.47	7.62	4.23	-3.83	0.41

Figure WQ TSS 116 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.91	6.53	8.30	10.57	11.63	8.58	7.19	7.03	6.87	6.45	4.04	9.69
CRMS0276 - Just east of Wilkinson Canal	45.54	72.00	60.54	57.83	56.52	31.44	18.08	15.35	22.13	18.45	35.79	65.45
Barataria Waterway at Lafitte (USACE82875)	87.14	111.02	91.72	76.82	72.82	52.10	61.48	60.30	59.65	53.44	84.72	134.75
USGS2928590900040000 Barataria Waterway South of Lafitte	3.93	5.39	7.65	11.93	13.39	8.46	5.54	5.38	5.36	5.25	2.95	5.86
USGS7380251 Barataria Bay North of Grand Isle	11.21	9.60	8.40	8.75	7.99	6.77	6.27	11.61	11.70	10.65	9.10	13.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.57	11.12	14.66	14.92	12.61	7.79	6.60	6.94	7.12	6.93	7.50	8.84
USGS 07380335 - Little Lake Near Cutoff	16.84	19.94	22.95	22.52	19.31	9.79	7.67	6.55	7.06	7.38	10.76	14.40
USGS073802516 Barataria Pass at Grand Isle	11.83	14.13	17.90	19.36	18.97	11.64	9.50	8.98	7.38	8.16	7.97	11.43
HWQ14 - Lake Washington	7.68	6.23	8.52	8.21	7.09	5.39	4.26	4.87	6.49	6.66	6.28	7.32
HWQ16 - Bayou Grand Liard	32.25	47.46	49.16	39.96	39.98	17.34	10.45	12.64	9.55	9.73	18.66	34.95
CRMS 3985	19.71	16.48	7.04	6.29	5.06	4.00	3.85	16.41	14.71	13.78	17.08	25.96
CRMS 0258	14.59	21.38	20.35	24.85	28.21	20.68	13.40	7.99	9.24	8.70	3.58	24.10
CRMS 0224	8.38	13.69	15.80	20.81	22.45	13.77	9.14	9.30	10.55	9.15	5.50	8.22
CRMS 0163	98.03	128.80	98.89	84.74	65.88	49.89	67.74	63.36	66.47	60.48	114.24	165.68
CRMS 0162	121.73	149.44	129.87	100.30	81.62	58.43	90.93	69.93	40.79	38.91	94.58	199.73

V3PR9 HYST - cy 2 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.02	5.93	7.42	9.81	10.84	8.09	6.94	6.97	6.82	6.46	4.42	8.08
CRMS0276 - Just east of Wilkinson Canal	40.55	64.62	57.12	54.50	55.46	29.42	16.17	13.72	15.82	17.26	33.22	59.61
Barataria Waterway at Lafitte (USACE82875)	55.64	67.38	56.96	56.60	58.80	37.94	34.76	32.75	37.94	37.82	52.78	76.92
USGS2928590900040000 Barataria Waterway South of Lafitte	2.74	4.94	6.81	11.12	12.44	8.07	5.34	5.39	5.27	4.96	2.95	5.00
USGS7380251 Barataria Bay North of Grand Isle	4.85	7.03	6.79	7.79	7.64	6.65	6.30	11.96	11.80	11.47	9.61	6.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.37	9.59	13.29	14.01	12.08	7.62	6.55	7.07	6.81	6.49	7.53	7.80
USGS 07380335 - Little Lake Near Cutoff	14.63	18.31	21.78	21.85	18.82	9.52	7.60	6.94	6.55	6.89	11.00	14.17
USGS073802516 Barataria Pass at Grand Isle	9.01	13.00	16.72	18.78	18.93	11.41	9.38	9.21	7.08	7.75	8.13	10.96
HWQ14 - Lake Washington	2.47	4.66	6.43	7.06	6.60	5.22	4.28	5.31	6.81	7.19	7.05	5.08
HWQ16 - Bayou Grand Liard	30.66	45.90	49.41	39.79	40.38	16.88	10.55	13.72	9.61	10.99	18.68	35.21
CRMS 3985	8.31	9.09	4.66	5.19	5.11	4.20	4.09	16.46	14.81	15.24	15.57	4.93
CRMS 0258	13.70	20.33	19.66	23.53	26.27	20.05	13.12	7.61	7.67	7.04	3.81	24.20
CRMS 0224	6.69	11.94	14.42	19.39	20.77	12.71	8.46	8.88	9.08	7.46	5.34	7.88
CRMS 0163	89.85	123.11	96.48	83.80	65.57	48.78	61.61	58.35	66.65	59.66	105.73	155.26
CRMS 0162	120.68	148.60	130.62	100.86	82.99	58.44	90.47	72.79	43.14	43.82	93.35	202.26

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.89	-0.60	-0.88	-0.76	-0.79	-0.49	-0.25	-0.07	-0.05	0.01	0.38	-1.61
CRMS0276 - Just east of Wilkinson Canal	-4.99	-7.38	-3.42	-3.34	-1.06	-2.02	-1.92	-1.62	-6.31	-1.20	-2.57	-5.85
Barataria Waterway at Lafitte (USACE82875)	-31.50	-43.64	-34.76	-20.22	-14.02	-14.16	-26.72	-27.55	-21.71	-15.62	-31.94	-57.83
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.19	-0.45	-0.84	-0.81	-0.96	-0.39	-0.20	0.02	-0.09	-0.29	0.00	-0.86
USGS7380251 Barataria Bay North of Grand Isle	-6.36	-2.57	-1.62	-0.96	-0.34	-0.12	0.02	0.35	0.09	0.82	0.50	-7.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.21	-1.52	-1.37	-0.91	-0.53	-0.18	-0.04	0.13	-0.31	-0.44	0.03	-1.04
USGS 07380335 - Little Lake Near Cutoff	-2.21	-1.63	-1.16	-0.67	-0.50	-0.26	-0.07	0.39	-0.51	-0.49	0.23	-0.23
USGS073802516 Barataria Pass at Grand Isle	-2.82	-1.13	-1.18	-0.58	-0.04	-0.22	-0.12	0.23	-0.30	-0.41	0.16	-0.47
HWQ14 - Lake Washington	-5.21	-1.58	-2.09	-1.16	-0.48	-0.17	0.03	0.44	0.31	0.53	0.77	-2.24
HWQ16 - Bayou Grand Liard	-1.59	-1.56	0.25	-0.16	0.40	-0.46	0.10	1.08	0.06	1.27	0.02	0.26
CRMS 3985	-11.39	-7.39	-2.38	-1.10	0.05	0.20	0.24	0.04	0.11	1.46	-1.51	-21.03
CRMS 0258	-0.89	-1.04	-0.69	-1.32	-1.93	-0.63	-0.28	-0.38	-1.57	-1.66	0.22	0.10
CRMS 0224	-1.68	-1.75	-1.37	-1.41	-1.68	-1.06	-0.68	-0.42	-1.47	-1.69	-0.16	-0.35
CRMS 0163	-8.18	-5.69	-2.41	-0.94	-0.31	-1.11	-6.13	-5.01	0.18	-0.82	-8.51	-10.42
CRMS 0162	-1.05	-0.84	0.75	0.55	1.37	0.01	-0.46	2.86	2.35	4.92	-1.23	2.53

Figure WQ TSS 117 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.79	8.20	7.66	10.33	13.12	7.56	6.77	6.68	5.92	6.32	8.33	9.56
CRMS0276 - Just east of Wilkinson Canal	22.45	101.02	63.14	97.39	81.71	45.68	12.82	9.10	12.15	23.25	57.87	60.07
Barataria Waterway at Lafitte (USACE82875)	77.17	157.68	114.30	116.69	115.72	82.74	54.01	49.65	26.96	93.99	123.23	114.63
USGS2928590900040000 Barataria Waterway South of Lafitte	2.33	6.83	6.75	12.58	13.88	7.52	4.95	4.95	4.44	4.38	5.38	7.21
USGS7380251 Barataria Bay North of Grand Isle	10.12	13.78	11.64	10.98	11.78	8.15	14.09	12.51	9.22	13.48	10.84	13.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.74	12.19	12.44	17.57	13.47	8.49	7.43	7.26	5.89	6.33	10.35	10.87
USGS 07380335 - Little Lake Near Cutoff	9.05	23.55	17.26	29.03	20.73	11.66	7.10	6.40	5.54	6.52	15.32	17.00
USGS073802516 Barataria Pass at Grand Isle	7.03	16.20	14.56	23.33	19.38	13.39	8.73	8.28	6.31	7.17	11.44	13.38
HWQ14 - Lake Washington	6.34	7.61	10.60	10.11	9.01	6.33	8.03	7.22	5.78	7.61	7.59	7.95
HWQ16 - Bayou Grand Liard	14.70	58.12	34.23	61.49	43.52	27.30	11.55	11.32	8.80	11.31	32.28	34.90
CRMS 3985	20.41	24.44	17.66	11.10	13.34	9.32	20.45	14.58	8.91	20.10	17.37	24.04
CRMS 0258	5.27	26.09	17.16	33.54	36.48	13.58	6.58	5.99	5.76	5.20	18.26	19.41
CRMS 0224	4.79	15.52	12.21	27.29	23.66	15.58	8.04	8.04	7.78	6.93	8.82	10.57
CRMS 0163	107.60	180.65	142.35	115.90	117.99	80.99	54.58	48.10	28.65	118.62	164.20	135.05
CRMS 0162	114.30	187.51	140.42	111.11	123.16	96.47	59.38	36.48	21.41	91.76	158.58	162.80

V3PR9 HYST - cy 2 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.81	8.22	7.57	10.76	13.02	7.32	6.94	6.90	6.01	6.56	9.11	9.48
CRMS0276 - Just east of Wilkinson Canal	20.27	88.88	55.84	88.46	72.38	40.73	11.16	8.60	10.90	20.60	55.22	53.94
Barataria Waterway at Lafitte (USACE82875)	42.90	97.41	65.04	84.02	80.86	57.77	30.23	23.09	22.52	54.31	76.50	68.75
USGS2928590900040000 Barataria Waterway South of Lafitte	2.27	6.63	6.34	11.74	12.74	6.94	5.02	5.15	4.51	4.43	5.34	7.27
USGS7380251 Barataria Bay North of Grand Isle	10.44	13.77	12.62	15.96	14.83	9.27	14.84	13.97	9.58	14.27	14.87	13.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.46	11.39	11.54	16.44	13.21	8.56	7.40	7.36	5.91	5.99	10.97	10.10
USGS 07380335 - Little Lake Near Cutoff	9.08	22.25	16.07	24.80	18.11	11.12	7.04	6.35	5.62	6.33	16.51	16.51
USGS073802516 Barataria Pass at Grand Isle	6.95	15.82	14.04	22.18	18.12	13.30	8.78	8.24	6.32	6.98	12.22	13.01
HWQ14 - Lake Washington	6.67	7.99	10.76	14.47	11.86	7.35	8.96	8.21	6.16	8.36	9.88	8.29
HWQ16 - Bayou Grand Liard	15.03	57.27	33.60	56.68	39.84	26.40	11.56	11.01	9.00	11.40	33.09	35.06
CRMS 3985	20.62	24.20	21.24	20.34	19.12	10.43	20.53	15.87	9.07	21.44	26.05	23.03
CRMS 0258	4.98	25.07	15.01	29.81	33.22	11.54	5.91	5.37	5.38	4.02	17.74	18.79
CRMS 0224	4.55	13.58	10.80	22.56	19.82	13.31	7.49	7.39	7.14	5.85	8.30	9.37
CRMS 0163	98.15	169.30	131.49	109.99	111.05	79.58	48.07	43.91	32.08	114.30	148.56	124.21
CRMS 0162	115.34	182.77	140.36	108.50	119.41	96.32	64.59	39.48	22.28	105.15	153.44	161.40

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.03	0.02	-0.09	0.43	-0.10	-0.24	0.17	0.22	0.09	0.24	0.78	-0.09
CRMS0276 - Just east of Wilkinson Canal	-2.18	-12.14	-7.30	-8.93	-9.33	-4.95	-1.66	-0.50	-1.25	-2.65	-2.65	-6.13
Barataria Waterway at Lafitte (USACE82875)	-34.27	-60.27	-49.26	-32.67	-34.87	-24.97	-23.78	-26.56	-4.45	-39.68	-46.73	-45.88
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.05	-0.20	-0.41	-0.84	-1.15	-0.59	0.07	0.20	0.07	0.05	-0.04	0.06
USGS7380251 Barataria Bay North of Grand Isle	0.32	-0.02	0.98	4.98	3.05	1.12	0.75	1.45	0.36	0.78	4.03	-0.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.28	-0.80	-0.90	-1.14	-0.26	0.07	-0.03	0.10	0.02	-0.34	0.62	-0.77
USGS 07380335 - Little Lake Near Cutoff	0.04	-1.30	-1.19	-4.22	-2.62	-0.53	-0.06	-0.05	0.08	-0.19	1.19	-0.49
USGS073802516 Barataria Pass at Grand Isle	-0.09	-0.38	-0.52	-1.15	-1.26	-0.10	0.05	-0.04	0.00	-0.20	0.78	-0.38
HWQ14 - Lake Washington	0.33	0.39	0.16	4.36	2.85	1.02	0.93	0.99	0.38	0.76	2.29	0.35
HWQ16 - Bayou Grand Liard	0.32	-0.84	-0.63	-4.81	-3.67	-0.90	0.01	-0.30	0.20	0.09	0.81	0.16
CRMS 3985	0.22	-0.24	3.58	9.24	5.78	1.11	0.09	1.29	0.16	1.34	8.67	-1.01
CRMS 0258	-0.29	-1.02	-2.15	-3.73	-3.26	-2.04	-0.68	-0.62	-0.38	-1.18	-0.52	-0.62
CRMS 0224	-0.24	-1.94	-1.41	-4.73	-3.84	-2.27	-0.55	-0.65	-0.64	-1.08	-0.51	-1.20
CRMS 0163	-9.45	-11.36	-10.86	-5.90	-6.95	-1.40	-6.51	-4.19	3.42	-4.32	-15.64	-10.84
CRMS 0162	1.05	-4.73	-0.06	-2.61	-3.76	-0.15	5.21	3.00	0.87	13.39	-5.13	-1.40

Figure WQ TSS 118 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.10	4.99	7.06	10.39	11.93	9.73	9.31	10.16	8.78	7.75	4.51	6.32
CRMS0276 - Just east of Wilkinson Canal	27.83	63.43	38.10	63.71	66.14	53.43	33.86	31.85	39.61	27.78	26.26	31.68
Barataria Waterway at Lafitte (USACE82875)	66.63	92.61	59.41	78.88	91.80	74.22	76.29	73.57	70.56	73.77	57.25	87.24
USGS2928590900040000 Barataria Waterway South of Lafitte	2.71	4.40	6.59	11.67	13.20	10.16	6.40	7.16	7.89	6.69	3.59	3.62
USGS7380251 Barataria Bay North of Grand Isle	7.96	6.79	6.38	8.75	8.48	7.39	7.57	9.39	12.49	11.96	8.19	9.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.36	9.20	11.13	14.14	11.79	8.98	7.91	8.99	8.64	8.34	7.30	5.88
USGS 07380335 - Little Lake Near Cutoff	9.72	17.38	16.49	22.35	17.94	12.68	10.95	11.31	10.55	9.88	9.63	7.96
USGS073802516 Barataria Pass at Grand Isle	7.16	12.37	13.37	18.48	17.03	14.96	13.10	13.19	9.12	9.95	8.10	7.15
HWQ14 - Lake Washington	5.38	4.49	6.82	7.73	6.84	5.60	4.37	4.62	6.55	7.23	6.16	5.45
HWQ16 - Bayou Grand Liard	20.60	43.58	28.41	41.00	36.19	33.13	25.65	21.81	17.53	12.68	15.23	17.21
CRMS 3985	13.29	11.03	4.80	6.61	5.60	4.80	3.69	10.36	15.71	16.27	13.00	19.08
CRMS 0258	9.86	15.83	16.13	25.32	29.91	29.61	26.50	26.87	17.68	11.59	3.72	8.11
CRMS 0224	4.85	11.39	12.45	21.23	20.74	18.50	11.27	12.10	15.11	11.94	6.25	4.24
CRMS 0163	83.84	104.47	71.18	81.01	94.96	70.75	76.21	86.62	79.95	83.13	68.18	110.53
CRMS 0162	98.31	122.91	84.30	89.63	99.29	86.41	113.38	104.45	77.17	75.85	53.62	129.70

V3PR9 HYST - cy 2 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.86	4.95	6.98	9.77	11.24	9.13	10.67	10.50	8.38	7.57	3.92	4.37
CRMS0276 - Just east of Wilkinson Canal	24.50	57.25	36.13	60.19	60.41	49.65	25.61	26.71	33.51	23.90	27.32	34.86
Barataria Waterway at Lafitte (USACE82875)	43.18	59.70	37.23	60.15	67.59	56.47	47.31	43.53	49.73	49.71	38.75	46.92
USGS2928590900040000 Barataria Waterway South of Lafitte	2.47	4.16	6.28	10.64	12.23	9.24	6.41	7.18	7.54	6.19	3.21	2.70
USGS7380251 Barataria Bay North of Grand Isle	7.24	7.11	7.06	8.81	8.38	7.71	14.73	12.38	11.95	12.16	5.44	8.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.62	8.24	10.61	13.39	11.37	8.20	7.72	9.83	8.05	7.66	7.18	5.15
USGS 07380335 - Little Lake Near Cutoff	9.13	16.05	15.35	20.82	16.91	11.08	8.29	11.39	9.45	8.83	10.78	8.63
USGS073802516 Barataria Pass at Grand Isle	6.57	11.69	12.83	18.09	16.80	13.73	10.41	13.36	9.01	9.35	7.86	7.13
HWQ14 - Lake Washington	4.95	4.58	7.26	7.88	6.77	5.53	7.96	7.34	6.39	7.69	5.01	5.21
HWQ16 - Bayou Grand Liard	20.02	42.43	27.46	40.82	34.91	32.09	21.99	20.95	17.05	12.40	16.70	19.46
CRMS 3985	11.87	12.08	6.14	6.98	5.69	7.32	20.81	11.78	14.85	16.03	5.64	14.69
CRMS 0258	9.58	15.11	15.58	23.08	27.46	28.63	26.02	26.84	15.68	9.55	3.61	8.81
CRMS 0224	4.30	9.96	11.20	18.78	18.14	16.13	9.43	11.53	12.78	10.02	5.55	3.94
CRMS 0163	77.15	101.17	66.20	78.11	93.15	71.65	75.88	82.95	79.37	80.95	64.33	100.74
CRMS 0162	97.90	122.61	82.88	89.93	98.52	85.40	110.53	104.14	82.83	88.95	56.59	131.65

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.24	-0.04	-0.08	-0.62	-0.69	-0.60	1.36	0.35	-0.39	-0.17	-0.58	-1.95
CRMS0276 - Just east of Wilkinson Canal	-3.33	-6.18	-1.97	-3.52	-5.73	-3.78	-8.25	-5.14	-6.10	-3.88	1.06	3.19
Barataria Waterway at Lafitte (USACE82875)	-23.45	-32.91	-22.18	-18.73	-24.21	-17.75	-28.98	-30.04	-20.83	-24.06	-18.50	-40.32
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.24	-0.24	-0.31	-1.03	-0.96	-0.93	0.01	0.02	-0.36	-0.50	-0.38	-0.92
USGS7380251 Barataria Bay North of Grand Isle	-0.72	0.32	0.68	0.07	-0.10	0.32	7.16	2.99	-0.54	0.20	-2.75	-1.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.74	-0.96	-0.52	-0.74	-0.42	-0.78	-0.19	0.84	-0.58	-0.67	-0.12	-0.73
USGS 07380335 - Little Lake Near Cutoff	-0.59	-1.34	-1.15	-1.53	-1.03	-1.60	-2.66	0.08	-1.10	-1.06	1.15	0.68
USGS073802516 Barataria Pass at Grand Isle	-0.59	-0.68	-0.54	-0.40	-0.23	-1.22	-2.69	0.17	-0.11	-0.60	-0.24	-0.02
HWQ14 - Lake Washington	-0.43	0.08	0.43	0.15	-0.07	-0.07	3.60	2.72	-0.16	0.46	-1.15	-0.23
HWQ16 - Bayou Grand Liard	-0.58	-1.14	-0.96	-0.18	-1.28	-1.04	-3.66	-0.87	-0.48	-0.28	1.46	2.26
CRMS 3985	-1.43	1.05	1.34	0.37	0.09	2.52	17.12	1.42	-0.86	-0.24	-7.36	-4.39
CRMS 0258	-0.28	-0.72	-0.55	-2.24	-2.45	-0.97	-0.47	-0.03	-2.00	-2.04	-0.12	0.69
CRMS 0224	-0.54	-1.43	-1.26	-2.45	-2.60	-2.38	-1.85	-0.57	-2.33	-1.92	-0.70	-0.30
CRMS 0163	-6.69	-3.31	-4.98	-2.90	-1.82	0.90	-0.33	-3.67	-0.58	-2.17	-3.85	-9.79
CRMS 0162	-0.40	-0.30	-1.42	0.29	-0.77	-1.01	-2.85	-0.32	5.66	13.10	2.98	1.95

Figure WQ TSS 119 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	3.00	2.56	11.17	13.99	15.34	10.14	8.55	8.79	7.03	6.96	4.09	8.93
CRMS0276 - Just east of Wilkinson Canal	48.14	35.76	89.13	92.85	105.54	38.87	22.52	23.15	31.12	22.71	25.55	96.58
Barataria Waterway at Lafitte (USACE82875)	93.35	79.68	167.46	118.32	140.07	52.45	56.90	59.68	59.01	58.38	58.81	173.51
USGS2928590900040000 Barataria Waterway South of Lafitte	2.64	1.85	7.05	16.31	18.07	10.71	5.84	5.67	5.79	5.83	3.16	6.74
USGS7380251 Barataria Bay North of Grand Isle	6.08	7.90	15.61	13.31	10.37	7.50	7.12	7.44	9.05	10.47	7.45	6.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.55	7.31	15.28	22.57	17.30	10.38	7.05	8.35	7.21	7.37	6.68	10.04
USGS 07380335 - Little Lake Near Cutoff	20.13	11.44	22.64	34.90	28.85	14.18	8.58	9.36	8.48	8.43	9.14	20.03
USGS073802516 Barataria Pass at Grand Isle	12.54	8.44	17.82	29.29	27.11	16.27	10.92	11.52	7.63	8.90	7.31	14.89
HWQ14 - Lake Washington	3.05	5.25	11.99	12.74	8.90	6.61	4.40	4.55	4.79	6.26	5.54	4.67
HWQ16 - Bayou Grand Liard	38.24	20.39	60.63	64.75	71.62	29.83	15.44	14.89	13.24	10.96	14.91	56.74
CRMS 3985	13.08	15.79	27.70	11.85	7.35	4.90	3.34	3.72	11.40	13.81	11.63	4.75
CRMS 0258	7.42	4.44	34.24	34.91	43.01	24.68	21.04	21.02	11.54	10.65	4.35	28.97
CRMS 0224	9.30	7.36	13.91	31.42	33.08	19.42	10.06	11.06	12.86	10.97	5.33	10.65
CRMS 0163	105.06	98.40	191.35	125.03	142.86	40.72	58.00	68.15	66.12	59.46	82.34	206.63
CRMS 0162	128.66	102.43	237.41	136.94	167.00	60.03	78.15	78.51	53.78	37.27	65.13	249.63

V3PR9 HYST - cy 2 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.85	2.88	11.02	13.55	14.93	9.71	8.47	8.98	7.31	7.09	4.49	10.41
CRMS0276 - Just east of Wilkinson Canal	44.65	33.21	83.86	88.73	101.43	38.96	20.36	19.69	24.22	18.91	23.84	83.51
Barataria Waterway at Lafitte (USACE82875)	61.65	43.36	87.61	85.61	102.70	42.87	34.81	34.69	41.61	42.51	37.08	96.34
USGS2928590900040000 Barataria Waterway South of Lafitte	3.45	1.95	6.91	15.61	17.04	10.28	5.67	5.55	5.65	5.47	3.07	7.06
USGS7380251 Barataria Bay North of Grand Isle	12.00	8.68	15.58	13.18	10.14	7.33	7.03	8.45	10.46	11.36	9.29	13.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.94	7.37	14.18	21.25	16.58	9.93	6.87	7.73	6.91	6.83	6.82	9.86
USGS 07380335 - Little Lake Near Cutoff	20.29	11.41	21.59	32.89	27.38	13.34	8.31	8.41	7.15	7.38	9.53	18.99
USGS073802516 Barataria Pass at Grand Isle	13.86	8.72	17.55	28.59	26.86	15.99	10.62	10.74	7.29	8.29	7.39	14.55
HWQ14 - Lake Washington	8.07	6.19	11.77	12.90	8.70	6.33	4.30	4.41	5.92	7.04	6.67	6.98
HWQ16 - Bayou Grand Liard	37.65	20.55	62.79	64.57	73.36	29.71	14.55	13.85	12.07	10.44	14.86	55.33
CRMS 3985	22.47	16.66	28.19	12.00	7.22	4.79	3.25	8.39	12.83	15.05	15.56	25.11
CRMS 0258	7.03	5.28	34.02	32.95	40.10	24.28	20.90	20.71	9.82	8.46	4.40	28.73
CRMS 0224	9.22	6.98	12.69	29.03	30.47	18.16	9.34	10.00	10.49	8.84	4.85	9.58
CRMS 0163	95.46	93.40	179.26	121.61	142.55	41.68	57.07	63.84	66.43	58.62	74.30	192.15
CRMS 0162	128.18	106.38	234.80	136.73	169.35	61.08	77.58	77.59	60.87	41.60	64.94	244.69

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.85	0.32	-0.15	-0.44	-0.41	-0.44	-0.08	0.20	0.28	0.12	0.40	1.49
CRMS0276 - Just east of Wilkinson Canal	-3.49	-2.55	-5.26	-4.12	-4.11	0.08	-2.16	-3.46	-6.90	-3.80	-1.72	-13.06
Barataria Waterway at Lafitte (USACE82875)	-31.71	-36.32	-79.86	-32.71	-37.37	-9.57	-22.08	-24.99	-17.41	-15.87	-21.73	-77.17
USGS2928590900040000 Barataria Waterway South of Lafitte	0.81	0.09	-0.14	-0.70	-1.04	-0.42	-0.18	-0.12	-0.14	-0.36	-0.09	0.32
USGS7380251 Barataria Bay North of Grand Isle	5.92	0.78	-0.04	-0.13	-0.24	-0.17	-0.10	1.02	1.41	0.89	1.84	6.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.39	0.06	-1.10	-1.32	-0.71	-0.44	-0.18	-0.62	-0.30	-0.54	0.14	-0.19
USGS 07380335 - Little Lake Near Cutoff	0.16	-0.02	-1.05	-2.01	-1.46	-0.84	-0.28	-0.95	-1.33	-1.05	0.39	-1.04
USGS073802516 Barataria Pass at Grand Isle	1.32	0.29	-0.27	-0.69	-0.25	-0.28	-0.30	-0.78	-0.34	-0.61	0.08	-0.34
HWQ14 - Lake Washington	5.03	0.94	-0.21	0.15	-0.20	-0.28	-0.11	-0.15	1.12	0.78	1.13	2.31
HWQ16 - Bayou Grand Liard	-0.60	0.16	2.16	-0.18	1.74	-0.13	-0.89	-1.04	-1.17	-0.52	-0.05	-1.41
CRMS 3985	9.38	0.86	0.49	0.14	-0.13	-0.11	-0.09	4.67	1.43	1.25	3.93	20.36
CRMS 0258	-0.39	0.85	-0.22	-1.96	-2.92	-0.40	-0.14	-0.31	-1.72	-2.19	0.06	-0.24
CRMS 0224	-0.07	-0.38	-1.23	-2.40	-2.61	-1.26	-0.72	-1.05	-2.36	-2.13	-0.48	-1.08
CRMS 0163	-9.59	-4.99	-12.09	-3.41	-0.31	0.96	-0.94	-4.31	0.31	-0.84	-8.04	-14.49
CRMS 0162	-0.48	3.95	-2.60	-0.21	2.34	1.05	-0.58	-0.92	7.09	4.33	-0.19	-4.94

Figure WQ TSS 120 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.38	9.62	11.92	18.59	17.99	13.89	9.62	8.70	8.35	8.52	7.49	10.02
CRMS0276 - Just east of Wilkinson Canal	65.92	99.81	58.80	100.13	72.24	64.90	23.16	12.19	19.12	26.04	50.73	52.21
Barataria Waterway at Lafitte (USACE82875)	113.71	139.95	91.74	115.88	93.00	77.45	51.96	46.30	47.73	82.77	101.35	106.90
USGS2928590900040000 Barataria Waterway South of Lafitte	5.77	9.57	12.81	25.00	23.73	18.29	9.35	7.53	7.76	7.62	6.43	8.49
USGS7380251 Barataria Bay North of Grand Isle	5.94	11.25	10.28	12.30	11.00	9.20	7.83	11.36	11.20	13.61	13.74	10.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.76	14.79	16.02	23.07	17.31	12.57	8.81	7.14	7.06	7.83	10.75	11.04
USGS 07380335 - Little Lake Near Cutoff	21.56	27.44	22.81	36.46	23.90	17.65	10.95	7.07	6.56	8.27	14.74	15.76
USGS073802516 Barataria Pass at Grand Isle	14.04	19.19	17.72	28.92	22.34	19.18	13.32	8.87	6.88	8.69	11.33	12.56
HWQ14 - Lake Washington	4.13	6.67	9.95	11.45	9.92	7.42	5.54	5.18	6.20	7.29	8.76	8.07
HWQ16 - Bayou Grand Liard	38.85	61.96	37.91	67.55	43.19	41.53	15.53	12.82	8.86	10.73	25.01	25.54
CRMS 3985	9.45	19.59	9.32	9.80	8.32	6.99	5.67	15.49	14.12	21.09	23.39	13.48
CRMS 0258	15.77	31.09	29.69	48.10	44.24	40.24	16.67	9.66	14.57	12.76	12.01	13.76
CRMS 0224	12.27	21.74	20.19	40.31	31.43	25.27	12.22	9.52	10.30	10.35	10.52	11.72
CRMS 0163	128.18	173.95	127.38	126.85	114.75	81.16	58.08	54.25	51.24	111.25	153.93	152.05
CRMS 0162	127.64	158.56	102.96	121.70	106.13	87.42	70.11	38.30	26.08	83.54	119.75	144.73

V3PR2 HYST - cy 3 - 2002 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	148.06	238.67	176.78	185.12	180.33	135.05	81.59	68.76	68.91	147.07	167.06	206.87
CRMS0276 - Just east of Wilkinson Canal	61.42	88.19	54.28	96.58	67.19	57.82	21.71	13.25	18.63	24.41	49.33	48.57
Barataria Waterway at Lafitte (USACE82875)	108.27	136.93	90.10	113.49	90.53	75.94	50.62	46.24	46.68	81.59	101.29	104.34
USGS2928590900040000 Barataria Waterway South of Lafitte	56.62	137.31	70.32	111.94	109.87	80.41	35.93	28.09	23.42	36.83	21.60	67.80
USGS7380251 Barataria Bay North of Grand Isle	42.73	73.50	43.23	69.98	63.79	48.03	19.05	13.41	14.21	16.07	17.68	29.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.34	84.81	45.17	69.79	63.54	51.29	21.05	12.03	11.23	13.87	16.14	27.35
USGS 07380335 - Little Lake Near Cutoff	43.58	62.92	34.99	61.03	51.27	43.65	17.66	8.77	8.10	10.35	16.19	22.31
USGS073802516 Barataria Pass at Grand Isle	33.78	46.01	27.62	45.47	33.01	29.08	17.05	10.62	8.16	10.84	13.70	14.40
HWQ14 - Lake Washington	25.42	28.47	18.91	35.35	25.32	22.50	10.92	6.40	7.29	9.17	10.58	11.37
HWQ16 - Bayou Grand Liard	37.28	57.95	36.31	62.46	40.63	38.92	14.76	12.32	8.53	10.58	24.42	24.39
CRMS 3985	25.93	27.99	17.38	35.85	30.09	26.07	10.04	10.75	13.26	17.27	20.15	21.63
CRMS 0258	35.04	52.11	31.89	54.25	56.14	52.40	25.48	16.00	15.04	16.36	12.15	18.81
CRMS 0224	44.76	59.90	30.33	57.62	55.19	49.41	24.11	14.82	12.61	14.61	13.28	20.88
CRMS 0163	126.39	172.04	126.17	125.30	112.77	79.96	57.56	54.41	50.47	109.63	152.65	147.65
CRMS 0162	127.12	156.97	101.10	120.22	105.44	86.12	69.53	37.72	25.47	76.43	117.03	138.34

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.68	229.05	164.86	166.53	162.34	121.16	71.97	60.06	60.56	138.55	159.57	196.85
CRMS0276 - Just east of Wilkinson Canal	-4.50	-11.62	-4.52	-3.55	-5.05	-7.08	-1.45	1.06	-0.49	-1.63	-1.40	-3.65
Barataria Waterway at Lafitte (USACE82875)	-5.44	-3.02	-1.64	-2.40	-2.48	-1.51	-1.34	-0.07	-1.05	-1.18	-0.06	-2.56
USGS2928590900040000 Barataria Waterway South of Lafitte	50.85	127.74	57.50	86.94	86.14	62.12	26.58	20.56	15.66	29.21	15.17	59.30
USGS7380251 Barataria Bay North of Grand Isle	36.79	62.25	32.96	57.67	52.79	38.83	11.23	2.05	3.00	2.46	3.94	18.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	35.58	70.02	29.14	46.72	46.22	38.72	12.24	4.88	4.17	6.04	5.39	16.31
USGS 07380335 - Little Lake Near Cutoff	22.02	35.48	12.18	24.56	27.37	26.00	6.71	1.70	1.54	2.08	1.45	6.55
USGS073802516 Barataria Pass at Grand Isle	19.75	26.83	9.89	16.55	10.67	9.89	3.73	1.75	1.28	2.15	2.37	1.84
HWQ14 - Lake Washington	21.30	21.80	8.96	23.90	15.41	15.08	5.38	1.22	1.09	1.87	1.82	3.30
HWQ16 - Bayou Grand Liard	-1.56	-4.00	-1.60	-5.09	-2.57	-2.61	-0.76	-0.50	-0.33	-0.15	-0.59	-1.15
CRMS 3985	16.47	8.40	8.07	26.05	21.76	19.08	4.37	-4.73	-0.87	-3.83	-3.24	8.16
CRMS 0258	19.27	21.02	2.20	6.14	11.90	12.16	8.82	6.34	0.46	3.60	0.14	5.04
CRMS 0224	32.49	38.16	10.14	17.31	23.76	24.14	11.90	5.30	2.31	4.26	2.77	9.16
CRMS 0163	-1.78	-1.90	-1.21	-1.55	-1.98	-1.20	-0.51	0.16	-0.77	-1.62	-1.28	-4.40
CRMS 0162	-0.52	-1.59	-1.86	-1.48	-0.69	-1.30	-0.58	-0.58	-0.62	-7.11	-2.73	-6.39

Figure WQ TSS 121 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.83	9.06	11.71	15.84	17.38	12.12	9.23	9.12	8.82	8.52	6.00	12.17
CRMS0276 - Just east of Wilkinson Canal	52.64	85.05	72.61	65.66	61.95	33.49	18.76	15.92	23.62	21.23	40.01	74.57
Barataria Waterway at Lafitte (USACE82875)	91.87	122.23	102.00	85.22	74.50	51.26	60.21	57.16	60.20	54.65	85.17	146.12
USGS2928590900040000 Barataria Waterway South of Lafitte	6.70	9.80	13.48	20.10	23.12	14.54	8.55	7.69	8.37	8.23	4.95	9.39
USGS7380251 Barataria Bay North of Grand Isle	12.35	9.87	8.96	10.45	10.23	8.35	7.48	12.54	12.49	11.80	11.37	15.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.09	15.46	18.54	18.28	16.89	10.08	7.42	7.23	7.95	8.26	9.51	11.19
USGS 07380335 - Little Lake Near Cutoff	20.28	26.83	28.51	26.31	23.44	12.26	8.38	6.91	7.82	8.86	13.62	17.86
USGS073802516 Barataria Pass at Grand Isle	14.18	18.46	21.13	22.71	22.27	13.63	10.33	8.92	7.63	9.07	9.56	13.58
HWQ14 - Lake Washington	8.38	7.04	9.31	10.09	9.43	6.87	5.15	5.32	6.77	7.13	7.25	8.29
HWQ16 - Bayou Grand Liard	32.18	52.44	54.71	44.31	43.42	18.44	10.16	13.22	9.93	10.53	20.13	35.77
CRMS 3985	21.25	14.40	6.83	7.90	7.62	6.09	5.64	18.36	16.86	15.96	19.77	28.44
CRMS 0258	18.47	30.31	29.48	34.17	39.92	28.22	16.59	10.23	17.09	14.08	8.78	28.83
CRMS 0224	12.45	22.46	23.52	28.32	30.59	17.56	10.11	9.81	12.31	11.25	8.56	13.27
CRMS 0163	114.58	152.33	124.84	103.35	83.00	52.02	70.42	66.14	71.09	65.94	130.60	197.00
CRMS 0162	120.82	148.13	125.07	99.18	82.20	56.05	91.86	62.67	36.73	34.71	86.93	197.42

V3PR2 HYST - cy 3 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	155.89	221.64	188.11	164.98	136.73	76.12	99.11	85.30	87.88	95.66	146.79	254.01
CRMS0276 - Just east of Wilkinson Canal	48.18	75.24	61.48	61.62	58.53	32.20	17.30	15.35	23.31	21.36	38.01	66.59
Barataria Waterway at Lafitte (USACE82875)	88.67	119.34	99.08	83.10	72.96	50.49	58.97	55.67	60.14	54.54	84.30	142.80
USGS2928590900040000 Barataria Waterway South of Lafitte	57.55	131.57	114.93	99.51	79.67	33.25	34.49	31.03	25.91	28.90	18.48	98.71
USGS7380251 Barataria Bay North of Grand Isle	39.81	66.96	59.79	53.77	47.94	19.41	13.26	13.53	15.74	13.13	15.10	51.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.76	74.70	67.58	54.92	49.29	21.28	12.66	11.93	12.41	12.85	13.19	49.32
USGS 07380335 - Little Lake Near Cutoff	34.30	55.93	54.80	45.78	43.39	19.85	10.45	8.51	9.39	10.48	13.37	34.70
USGS073802516 Barataria Pass at Grand Isle	28.05	38.91	37.68	34.06	31.02	18.66	11.78	9.95	8.81	10.78	10.99	20.83
HWQ14 - Lake Washington	20.25	26.87	25.04	26.22	23.73	13.21	6.84	5.83	7.79	8.41	8.79	16.51
HWQ16 - Bayou Grand Liard	31.24	49.45	49.15	40.83	39.72	19.38	9.37	12.29	9.80	10.32	18.66	33.32
CRMS 3985	25.20	24.49	25.19	26.34	26.83	12.52	6.60	12.07	15.09	12.69	17.16	31.95
CRMS 0258	34.93	48.72	42.72	41.75	48.69	29.67	21.20	16.27	17.26	16.71	8.06	44.34
CRMS 0224	36.69	55.80	48.99	45.00	47.48	23.43	15.72	14.88	14.52	14.65	10.13	39.06
CRMS 0163	112.38	150.87	123.03	101.90	81.66	51.54	69.89	65.33	71.35	65.91	129.86	194.47
CRMS 0162	119.52	147.49	122.93	97.22	80.91	55.29	92.01	61.65	34.21	33.59	86.74	196.34

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	147.06	212.58	176.40	149.14	119.35	64.00	89.88	76.18	79.07	87.14	140.80	241.84
CRMS0276 - Just east of Wilkinson Canal	-4.46	-9.81	-11.13	-4.04	-3.42	-1.29	-1.46	-0.57	-0.31	0.14	-1.99	-7.98
Barataria Waterway at Lafitte (USACE82875)	-3.20	-2.88	-2.92	-2.12	-1.55	-0.76	-1.24	-1.49	-0.06	-0.11	-0.86	-3.32
USGS2928590900040000 Barataria Waterway South of Lafitte	50.85	121.76	101.45	79.41	56.55	18.72	25.95	23.34	17.54	20.67	13.54	89.32
USGS7380251 Barataria Bay North of Grand Isle	27.46	57.10	50.84	43.32	37.71	11.06	5.78	0.99	3.25	1.32	3.73	36.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	30.67	59.24	49.04	36.64	32.40	11.20	5.24	4.70	4.46	4.59	3.67	38.13
USGS 07380335 - Little Lake Near Cutoff	14.02	29.10	26.30	19.46	19.94	7.59	2.07	1.60	1.58	1.62	-0.25	16.84
USGS073802516 Barataria Pass at Grand Isle	13.87	20.45	16.55	11.35	8.75	5.03	1.45	1.03	1.18	1.72	1.43	7.25
HWQ14 - Lake Washington	11.87	19.83	15.72	16.13	14.30	6.35	1.69	0.51	1.03	1.28	1.54	8.23
HWQ16 - Bayou Grand Liard	-0.94	-2.99	-5.56	-3.48	-3.70	0.95	-0.79	-0.93	-0.13	-0.21	-1.46	-2.45
CRMS 3985	3.95	10.09	18.35	18.44	19.21	6.43	0.97	-6.29	-1.76	-3.27	-2.61	3.51
CRMS 0258	16.46	18.41	13.24	7.58	8.78	1.45	4.60	6.04	0.16	2.63	-0.71	15.51
CRMS 0224	24.23	33.34	25.47	16.68	16.89	5.87	5.61	5.07	2.21	3.40	1.57	25.79
CRMS 0163	-2.20	-1.46	-1.81	-1.46	-1.34	-0.48	-0.53	-0.81	0.26	-0.03	-0.74	-2.52
CRMS 0162	-1.30	-0.64	-2.14	-1.96	-1.29	-0.76	0.15	-1.02	-2.52	-1.13	-0.19	-1.08

Figure WQ TSS 122 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.23	11.07	11.17	17.85	20.17	12.10	9.01	9.14	7.68	8.17	11.57	12.75
CRMS0276 - Just east of Wilkinson Canal	28.34	119.02	75.69	111.40	92.08	49.67	14.62	9.98	14.17	26.46	65.93	67.97
Barataria Waterway at Lafitte (USACE82875)	79.75	175.08	127.24	126.83	121.94	84.30	54.08	46.77	24.32	100.80	127.35	126.77
USGS2928590900040000 Barataria Waterway South of Lafitte	4.06	11.99	11.86	25.97	26.79	15.55	7.86	7.48	6.66	6.69	9.77	12.02
USGS7380251 Barataria Bay North of Grand Isle	10.29	14.81	14.15	13.53	13.55	9.74	15.28	15.65	10.44	14.88	15.53	15.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.32	17.09	15.20	22.54	18.38	11.64	7.99	7.59	6.53	7.28	13.17	14.33
USGS 07380335 - Little Lake Near Cutoff	11.31	32.02	20.85	35.11	26.08	15.44	8.15	7.32	6.46	7.81	18.78	21.31
USGS073802516 Barataria Pass at Grand Isle	8.63	21.05	16.98	28.44	22.97	15.88	9.66	8.36	6.71	7.87	13.70	16.28
HWQ14 - Lake Washington	6.79	8.03	12.14	12.67	10.63	7.61	8.03	8.06	6.43	7.99	9.75	9.46
HWQ16 - Bayou Grand Liard	16.25	63.44	37.30	69.50	47.50	28.34	12.39	11.38	9.99	11.94	32.97	36.42
CRMS 3985	19.41	25.52	21.19	13.16	13.42	10.92	22.66	20.25	10.79	22.87	25.60	27.03
CRMS 0258	8.04	36.64	25.26	56.09	54.29	27.75	10.10	8.14	10.18	10.78	24.19	25.89
CRMS 0224	7.10	26.68	18.34	43.49	36.65	22.66	9.42	8.47	8.59	8.65	13.41	16.75
CRMS 0163	125.34	207.79	177.14	138.08	142.76	91.28	60.53	50.19	29.04	131.39	186.79	160.92
CRMS 0162	104.59	187.06	122.66	109.61	116.45	88.55	52.70	31.69	18.15	76.99	152.95	162.54

V3PR2 HYST - cy 3 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	171.75	252.09	229.21	153.20	195.79	118.62	90.32	55.83	50.01	162.92	198.41	174.76
CRMS0276 - Just east of Wilkinson Canal	26.39	106.29	72.82	109.60	86.45	48.01	15.55	10.34	13.51	25.37	64.35	66.34
Barataria Waterway at Lafitte (USACE82875)	79.44	171.37	127.22	126.50	118.81	83.96	54.51	45.49	22.96	99.81	127.38	128.41
USGS2928590900040000 Barataria Waterway South of Lafitte	28.06	110.81	75.89	47.83	88.20	32.60	30.16	25.30	17.75	38.44	24.20	24.21
USGS7380251 Barataria Bay North of Grand Isle	13.47	69.46	48.94	43.49	62.24	16.83	11.34	13.03	12.21	17.18	20.25	12.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.54	73.54	50.04	47.33	60.66	19.56	12.43	10.78	9.06	13.70	19.08	17.92
USGS 07380335 - Little Lake Near Cutoff	10.81	57.55	36.31	51.08	47.69	19.72	10.81	8.26	7.02	10.04	20.32	21.69
USGS073802516 Barataria Pass at Grand Isle	8.03	44.68	28.91	41.36	32.99	19.71	11.62	9.03	7.28	10.10	16.17	16.64
HWQ14 - Lake Washington	4.51	29.66	20.44	29.33	23.05	11.84	6.55	5.69	6.64	9.78	11.46	8.62
HWQ16 - Bayou Grand Liard	15.11	59.58	37.90	66.77	44.95	28.90	12.63	11.37	8.66	11.46	32.24	35.35
CRMS 3985	11.44	34.55	20.61	29.04	26.53	10.90	6.64	15.26	9.91	19.20	18.04	6.11
CRMS 0258	10.69	47.23	29.06	52.84	58.92	27.13	14.93	13.55	10.76	13.84	25.46	27.24
CRMS 0224	9.65	50.89	30.67	45.71	53.01	25.52	15.31	13.60	10.65	13.85	16.77	18.14
CRMS 0163	124.62	205.45	176.90	138.27	140.63	91.12	61.39	48.98	28.08	130.65	187.85	162.69
CRMS 0162	101.90	184.32	117.75	110.68	114.99	90.79	49.97	30.80	17.75	70.58	152.81	165.47

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	166.52	241.02	218.04	135.35	175.62	106.52	81.31	46.69	42.33	154.75	186.84	162.01
CRMS0276 - Just east of Wilkinson Canal	-1.94	-12.73	-2.87	-1.81	-5.63	-1.66	0.93	0.36	-0.66	-1.10	-1.59	-1.63
Barataria Waterway at Lafitte (USACE82875)	-0.31	-3.71	-0.02	-0.33	-3.13	-0.34	0.43	-1.28	-1.36	-0.99	0.03	1.64
USGS2928590900040000 Barataria Waterway South of Lafitte	24.01	98.82	64.03	21.86	61.41	17.05	22.29	17.82	11.09	31.75	14.43	12.19
USGS7380251 Barataria Bay North of Grand Isle	3.18	54.65	34.79	29.96	48.69	7.09	-3.94	-2.62	1.77	2.29	4.71	-2.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.21	56.45	34.83	24.80	42.28	7.92	4.45	3.19	2.53	6.42	5.91	3.58
USGS 07380335 - Little Lake Near Cutoff	-0.50	25.53	15.46	15.97	21.61	4.28	2.66	0.94	0.55	2.23	1.54	0.38
USGS073802516 Barataria Pass at Grand Isle	-0.60	23.63	11.93	12.92	10.02	3.83	1.96	0.67	0.57	2.23	2.47	0.37
HWQ14 - Lake Washington	-2.28	21.62	8.30	16.66	12.42	4.23	-1.49	-2.36	0.21	1.79	1.71	-0.85
HWQ16 - Bayou Grand Liard	-1.14	-3.87	0.60	-2.73	-2.54	0.56	0.24	-0.01	-1.33	-0.48	-0.73	-1.07
CRMS 3985	-7.98	9.03	-0.59	15.88	13.11	-0.02	-16.02	-4.99	-0.87	-3.67	-7.56	-20.92
CRMS 0258	2.65	10.59	3.80	-3.25	4.63	-0.62	4.83	5.41	0.58	3.06	1.28	1.34
CRMS 0224	2.55	24.21	12.33	2.22	16.36	2.87	5.89	5.12	2.07	5.20	3.36	1.39
CRMS 0163	-0.72	-2.34	-0.25	0.19	-2.13	-0.16	0.86	-1.22	-0.96	-0.74	1.07	1.77
CRMS 0162	-2.69	-2.74	-4.91	1.07	-1.46	2.23	-2.73	-0.88	-0.40	-6.41	-0.14	2.94

Figure WQ TSS 123 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.20	7.03	10.10	15.50	17.16	14.24	11.84	13.25	11.78	10.42	5.84	6.71
CRMS0276 - Just east of Wilkinson Canal	32.93	77.35	44.74	71.60	73.21	57.32	38.36	32.76	43.41	32.59	27.50	34.69
Barataria Waterway at Lafitte (USACE82875)	70.69	103.97	65.14	85.59	95.61	74.50	77.32	71.49	73.48	76.28	56.94	92.22
USGS2928590900040000 Barataria Waterway South of Lafitte	4.41	8.02	11.47	20.26	22.43	18.93	10.34	10.78	12.97	10.98	5.58	5.31
USGS7380251 Barataria Bay North of Grand Isle	8.42	7.04	7.43	10.24	10.40	9.07	8.77	13.73	14.37	13.40	7.39	10.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.58	13.92	14.11	17.92	15.57	12.43	9.78	9.70	11.03	10.78	8.03	6.94
USGS 07380335 - Little Lake Near Cutoff	11.63	25.20	19.86	26.90	21.75	16.78	13.60	11.78	12.84	12.58	10.28	9.25
USGS073802516 Barataria Pass at Grand Isle	8.33	17.43	15.48	22.21	20.19	17.73	15.36	13.11	10.49	11.82	8.67	8.25
HWQ14 - Lake Washington	5.56	5.53	8.16	9.48	8.77	7.15	5.60	5.80	7.73	8.09	6.35	6.53
HWQ16 - Bayou Grand Liard	20.88	50.15	31.34	46.01	39.65	35.25	26.22	19.63	18.23	13.96	14.62	17.59
CRMS 3985	14.22	8.91	5.26	7.77	7.86	6.74	6.24	19.72	18.78	18.62	9.09	20.37
CRMS 0258	11.39	23.54	22.81	36.71	42.45	41.07	28.27	28.09	29.18	20.19	8.20	10.83
CRMS 0224	6.88	19.49	17.67	29.90	29.09	25.29	13.53	13.15	19.77	15.83	8.25	6.30
CRMS 0163	98.59	124.91	89.71	96.85	113.88	82.59	85.87	90.49	88.03	90.95	78.74	132.44
CRMS 0162	96.25	122.00	76.81	90.03	98.07	89.24	115.50	104.85	69.70	65.80	50.37	119.40

V3PR2 HYST - cy 3 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	155.33	180.97	146.32	147.87	175.75	140.05	151.70	129.82	103.94	114.80	92.77	154.14
CRMS0276 - Just east of Wilkinson Canal	33.01	67.86	39.71	69.13	67.27	51.32	33.34	32.98	43.74	32.58	26.03	33.10
Barataria Waterway at Lafitte (USACE82875)	68.19	101.41	63.03	83.68	93.48	72.27	73.19	69.34	74.44	76.46	55.91	93.63
USGS2928590900040000 Barataria Waterway South of Lafitte	73.52	109.93	67.12	84.29	104.78	82.30	86.70	58.88	28.34	34.32	13.86	20.97
USGS7380251 Barataria Bay North of Grand Isle	35.31	55.70	39.70	52.43	62.56	47.71	49.94	36.92	16.44	13.78	11.09	10.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	37.45	61.43	42.60	53.06	59.27	50.74	54.96	41.32	17.26	15.94	11.14	11.32
USGS 07380335 - Little Lake Near Cutoff	25.49	47.08	32.25	46.54	47.76	40.98	40.28	29.24	16.33	14.62	10.87	10.41
USGS073802516 Barataria Pass at Grand Isle	17.57	34.47	24.52	34.25	31.62	26.99	25.62	23.05	13.88	13.93	9.75	9.02
HWQ14 - Lake Washington	11.15	22.92	17.33	26.85	24.18	20.73	17.73	14.36	8.94	9.09	7.36	6.19
HWQ16 - Bayou Grand Liard	19.73	45.11	29.09	43.82	37.40	34.27	24.07	19.53	19.34	14.27	13.84	16.79
CRMS 3985	11.28	19.62	16.19	26.33	28.80	23.95	22.37	17.57	9.89	10.77	11.29	7.20
CRMS 0258	29.82	36.10	26.42	42.27	53.69	52.09	58.88	48.99	30.35	23.35	7.95	11.59
CRMS 0224	32.75	43.10	28.78	44.29	51.71	48.42	56.23	41.03	22.84	19.32	9.49	8.80
CRMS 0163	96.55	123.41	88.04	95.29	111.65	80.65	82.91	90.76	89.69	91.33	76.54	135.03
CRMS 0162	96.08	120.60	75.04	88.86	96.17	88.97	115.33	106.73	68.21	66.34	48.70	120.52

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	149.13	173.94	136.22	132.37	158.59	125.81	139.86	116.57	92.16	104.38	86.92	147.43
CRMS0276 - Just east of Wilkinson Canal	0.08	-9.50	-5.03	-2.47	-5.94	-6.00	-5.03	0.22	0.33	-0.01	-1.47	-1.60
Barataria Waterway at Lafitte (USACE82875)	-2.49	-2.56	-2.11	-1.91	-2.12	-2.23	-4.13	-2.15	0.97	0.18	-1.03	1.42
USGS2928590900040000 Barataria Waterway South of Lafitte	69.11	101.91	55.64	64.03	82.35	63.37	76.36	48.10	15.37	23.33	8.28	15.65
USGS7380251 Barataria Bay North of Grand Isle	26.89	48.65	32.26	42.19	52.16	38.64	41.17	23.19	2.07	0.38	3.70	-0.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.87	47.51	28.49	35.13	43.70	38.31	45.18	31.62	6.23	5.16	3.11	4.38
USGS 07380335 - Little Lake Near Cutoff	13.86	21.87	12.38	19.64	26.01	24.21	26.67	17.46	3.49	2.04	0.58	1.16
USGS073802516 Barataria Pass at Grand Isle	9.24	17.05	9.04	12.04	11.44	9.26	10.26	9.93	3.39	2.11	1.08	0.78
HWQ14 - Lake Washington	5.59	17.38	9.17	17.37	15.40	13.58	12.13	8.56	1.21	0.99	1.01	-0.34
HWQ16 - Bayou Grand Liard	-1.15	-5.05	-2.26	-2.19	-2.25	-0.98	-2.14	-0.10	1.11	0.32	-0.78	-0.80
CRMS 3985	-2.94	10.71	10.93	18.56	20.94	17.21	16.13	-2.15	-8.89	-7.85	2.20	-13.16
CRMS 0258	18.43	12.56	3.62	5.55	11.24	11.02	30.60	20.90	1.18	3.16	-0.25	0.75
CRMS 0224	25.86	23.61	11.11	14.39	22.62	23.12	42.69	27.89	3.08	3.49	1.24	2.50
CRMS 0163	-2.04	-1.49	-1.67	-1.56	-2.23	-1.94	-2.97	0.27	1.66	0.38	-2.20	2.60
CRMS 0162	-0.17	-1.40	-1.78	-1.16	-1.90	-0.27	-0.17	1.87	-1.49	0.55	-1.67	1.12

Figure WQ TSS 124 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.81	3.23	14.35	22.52	23.58	14.89	10.72	11.13	9.41	9.16	5.61	13.45
CRMS0276 - Just east of Wilkinson Canal	57.64	42.38	109.58	105.05	117.47	41.29	25.92	23.58	33.91	27.10	27.16	111.23
Barataria Waterway at Lafitte (USACE82875)	99.14	91.22	181.79	129.80	150.34	50.73	54.22	56.78	59.79	60.58	58.31	189.45
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	3.72	12.09	29.87	32.95	19.42	9.39	8.90	10.08	9.67	5.09	11.86
USGS7380251 Barataria Bay North of Grand Isle	11.85	5.07	17.48	16.23	13.15	9.37	8.11	9.93	11.47	11.69	9.12	16.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.18	9.21	18.28	28.36	23.57	14.14	8.36	8.71	8.97	9.56	8.44	13.80
USGS 07380335 - Little Lake Near Cutoff	27.09	14.72	27.83	42.02	35.48	18.12	10.45	9.56	10.07	10.96	11.58	25.28
USGS073802516 Barataria Pass at Grand Isle	18.83	10.58	20.78	34.35	31.77	19.06	12.66	11.46	8.61	10.50	8.62	18.43
HWQ14 - Lake Washington	9.24	4.64	12.32	15.70	11.84	8.70	5.46	5.46	6.21	7.22	6.32	7.90
HWQ16 - Bayou Grand Liard	40.19	23.52	68.65	72.03	77.48	31.10	16.03	13.47	13.69	12.12	16.14	59.43
CRMS 3985	19.36	9.10	29.78	14.30	10.10	6.89	5.03	10.99	14.78	15.81	14.97	30.20
CRMS 0258	14.48	10.93	40.03	52.36	63.95	32.55	22.20	22.19	22.17	18.29	8.34	33.98
CRMS 0224	16.30	12.14	21.13	45.35	47.47	24.32	11.40	11.64	16.21	14.25	7.75	17.18
CRMS 0163	123.22	114.85	238.19	148.92	169.71	51.31	59.80	69.63	71.58	64.50	93.10	242.58
CRMS 0162	125.98	90.49	221.88	138.29	163.09	60.32	79.38	75.70	47.37	36.32	59.20	245.13

V3PR2 HYST - cy 3 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.42	134.60	340.19	217.40	239.56	103.14	111.06	88.41	86.09	83.09	129.38	332.28
CRMS0276 - Just east of Wilkinson Canal	57.28	40.11	93.03	100.37	110.57	38.68	24.14	24.11	34.16	25.89	25.99	91.27
Barataria Waterway at Lafitte (USACE82875)	96.68	89.19	178.09	126.24	148.75	49.93	51.81	55.10	59.71	60.12	58.69	183.89
USGS2928590900040000 Barataria Waterway South of Lafitte	30.66	19.80	201.10	134.83	159.41	54.99	62.59	32.56	25.47	30.52	23.16	201.45
USGS7380251 Barataria Bay North of Grand Isle	24.35	13.08	108.26	80.00	90.03	34.24	38.14	19.42	14.40	13.39	14.20	106.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	34.16	13.39	121.85	77.92	90.25	36.36	39.99	18.67	13.84	14.22	10.99	120.41
USGS 07380335 - Little Lake Near Cutoff	38.26	15.91	88.37	66.72	75.38	31.76	28.59	14.40	12.26	12.57	10.38	79.79
USGS073802516 Barataria Pass at Grand Isle	30.11	12.09	54.34	50.26	49.29	23.49	19.16	15.61	10.50	12.44	9.35	54.08
HWQ14 - Lake Washington	19.51	8.13	35.72	39.30	37.23	18.50	13.45	9.24	7.19	8.62	7.17	34.16
HWQ16 - Bayou Grand Liard	42.34	22.76	62.32	67.36	69.60	29.69	15.70	12.92	14.14	11.92	14.65	54.19
CRMS 3985	22.43	16.89	46.48	40.14	44.64	20.15	16.97	9.83	10.17	12.83	10.57	41.36
CRMS 0258	24.33	10.64	73.54	58.95	80.14	40.24	45.49	31.69	23.08	21.45	7.98	70.70
CRMS 0224	32.13	13.32	81.10	63.57	78.98	37.62	42.69	22.01	18.35	17.40	8.47	77.92
CRMS 0163	120.35	111.65	236.48	146.38	170.33	50.95	58.66	69.86	72.46	63.97	93.87	240.25
CRMS 0162	124.88	83.13	217.53	137.08	164.94	59.49	79.01	76.38	44.14	33.90	57.60	244.25

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	134.61	131.38	325.84	194.88	215.98	88.25	100.34	77.28	76.68	73.92	123.78	318.83
CRMS0276 - Just east of Wilkinson Canal	-0.37	-2.28	-16.55	-4.68	-6.90	-2.61	-1.79	0.54	0.25	-1.21	-1.17	-19.96
Barataria Waterway at Lafitte (USACE82875)	-2.46	-2.03	-3.71	-3.55	-1.59	-0.80	-2.42	-1.68	-0.08	-0.46	0.39	-5.55
USGS2928590900040000 Barataria Waterway South of Lafitte	23.80	16.09	189.01	104.96	126.46	35.56	53.20	23.66	15.39	20.85	18.06	189.59
USGS7380251 Barataria Bay North of Grand Isle	12.51	8.01	90.77	63.77	76.87	24.86	30.03	9.49	2.94	1.70	5.08	89.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.98	4.17	103.57	49.56	66.68	22.22	31.64	9.96	4.87	4.66	2.55	106.61
USGS 07380335 - Little Lake Near Cutoff	11.17	1.20	60.53	24.70	39.90	13.63	18.14	4.84	2.20	1.61	-1.20	54.51
USGS073802516 Barataria Pass at Grand Isle	11.29	1.51	33.56	15.91	17.52	4.43	6.50	4.15	1.89	1.94	0.73	35.65
HWQ14 - Lake Washington	10.27	3.50	23.40	23.60	25.39	9.80	7.99	3.78	0.98	1.40	0.85	26.26
HWQ16 - Bayou Grand Liard	2.15	-0.76	-6.33	-4.68	-7.88	-1.41	-0.34	-0.55	0.45	-0.20	-1.48	-5.24
CRMS 3985	3.07	7.79	16.70	25.84	34.54	13.25	11.94	-1.17	-4.60	-2.98	-4.40	11.17
CRMS 0258	9.85	-0.29	33.52	6.59	16.20	7.69	23.29	9.51	0.91	3.15	-0.36	36.71
CRMS 0224	15.83	1.17	59.96	18.22	31.51	13.30	31.29	10.37	2.13	3.15	0.72	60.73
CRMS 0163	-2.87	-3.20	-1.71	-2.53	0.62	-0.36	-1.14	0.22	0.88	-0.53	0.77	-2.33
CRMS 0162	-1.10	-7.36	-4.35	-1.22	1.85	-0.83	-0.37	0.68	-3.23	-2.42	-1.60	-0.87

Figure WQ TSS 125 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.38	9.62	11.92	18.59	17.99	13.89	9.62	8.70	8.35	8.52	7.49	10.02
CRMS0276 - Just east of Wilkinson Canal	65.92	99.81	58.80	100.13	72.24	64.90	23.16	12.19	19.12	26.04	50.73	52.21
Barataria Waterway at Lafitte (USACE82875)	113.71	139.95	91.74	115.88	93.00	77.45	51.96	46.30	47.73	82.77	101.35	106.90
USGS2928590900040000 Barataria Waterway South of Lafitte	5.77	9.57	12.81	25.00	23.73	18.29	9.35	7.53	7.76	7.62	6.43	8.49
USGS7380251 Barataria Bay North of Grand Isle	5.94	11.25	10.28	12.30	11.00	9.20	7.83	11.36	11.20	13.61	13.74	10.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.76	14.79	16.02	23.07	17.31	12.57	8.81	7.14	7.06	7.83	10.75	11.04
USGS 07380335 - Little Lake Near Cutoff	21.56	27.44	22.81	36.46	23.90	17.65	10.95	7.07	6.56	8.27	14.74	15.76
USGS073802516 Barataria Pass at Grand Isle	14.04	19.19	17.72	28.92	22.34	19.18	13.32	8.87	6.88	8.69	11.33	12.56
HWQ14 - Lake Washington	4.13	6.67	9.95	11.45	9.92	7.42	5.54	5.18	6.20	7.29	8.76	8.07
HWQ16 - Bayou Grand Liard	38.85	61.96	37.91	67.55	43.19	41.53	15.53	12.82	8.86	10.73	25.01	25.54
CRMS 3985	9.45	19.59	9.32	9.80	8.32	6.99	5.67	15.49	14.12	21.09	23.39	13.48
CRMS 0258	15.77	31.09	29.69	48.10	44.24	40.24	16.67	9.66	14.57	12.76	12.01	13.76
CRMS 0224	12.27	21.74	20.19	40.31	31.43	25.27	12.22	9.52	10.30	10.35	10.52	11.72
CRMS 0163	128.18	173.95	127.38	126.85	114.75	81.16	58.08	54.25	51.24	111.25	153.93	152.05
CRMS 0162	127.64	158.56	102.96	121.70	106.13	87.42	70.11	38.30	26.08	83.54	119.75	144.73

V3PR3 HYST - cy 3 - 2002 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	149.04	239.03	177.39	185.21	180.55	135.16	81.92	68.94	68.94	147.65	169.36	208.21
CRMS0276 - Just east of Wilkinson Canal	62.88	88.84	54.82	96.88	67.27	57.88	21.98	13.55	18.76	24.45	49.83	48.97
Barataria Waterway at Lafitte (USACE82875)	109.49	137.72	90.89	114.14	91.12	76.23	50.80	46.84	47.49	82.25	102.33	104.75
USGS2928590900040000 Barataria Waterway South of Lafitte	62.27	149.14	79.71	119.18	115.98	84.53	38.00	29.43	23.71	38.24	23.35	72.34
USGS7380251 Barataria Bay North of Grand Isle	42.35	73.91	42.51	70.09	64.40	48.02	18.82	13.15	14.09	15.78	17.44	29.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	46.83	84.29	44.90	69.45	62.95	51.23	21.07	12.08	11.27	13.80	16.14	27.29
USGS 07380335 - Little Lake Near Cutoff	43.38	62.55	35.01	60.80	50.95	43.55	17.62	8.80	8.13	10.31	16.21	22.59
USGS073802516 Barataria Pass at Grand Isle	33.59	45.92	27.58	45.36	32.83	28.94	17.09	10.74	8.17	10.76	13.80	14.57
HWQ14 - Lake Washington	25.36	28.72	18.91	35.08	25.31	22.75	10.92	6.39	7.20	9.06	10.58	11.47
HWQ16 - Bayou Grand Liard	38.09	58.63	36.64	62.86	40.30	39.19	15.01	12.25	8.64	10.81	24.71	24.77
CRMS 3985	25.88	28.20	17.25	35.78	30.70	26.07	10.06	10.20	12.75	17.30	20.32	21.65
CRMS 0258	35.21	53.02	32.13	54.56	56.47	52.55	25.73	16.05	15.05	16.45	12.18	19.36
CRMS 0224	44.20	59.78	30.11	57.61	54.98	49.22	23.98	14.73	12.51	14.57	13.31	20.95
CRMS 0163	126.96	172.85	126.30	125.86	113.54	80.37	57.80	54.44	51.11	110.46	153.83	147.95
CRMS 0162	127.19	157.13	101.92	120.95	104.83	87.56	69.29	38.03	26.27	75.69	117.81	139.82

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	142.66	229.41	165.47	166.62	162.56	121.27	72.30	60.24	60.59	139.12	161.86	198.19
CRMS0276 - Just east of Wilkinson Canal	-3.04	-10.97	-3.99	-3.25	-4.97	-7.02	-1.18	1.37	-0.35	-1.59	-0.89	-3.24
Barataria Waterway at Lafitte (USACE82875)	-4.22	-2.23	-0.85	-1.75	-1.89	-1.22	-1.17	0.54	-0.24	-0.52	0.98	-2.15
USGS2928590900040000 Barataria Waterway South of Lafitte	56.50	139.58	66.90	94.19	92.24	66.25	28.65	21.90	15.95	30.61	16.93	63.85
USGS7380251 Barataria Bay North of Grand Isle	36.41	62.66	32.24	57.79	53.40	38.82	11.00	1.79	2.88	2.17	3.70	18.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	35.07	69.50	28.88	46.38	45.64	38.65	12.26	4.94	4.20	5.96	5.39	16.25
USGS 07380335 - Little Lake Near Cutoff	21.82	35.11	12.20	24.34	27.05	25.91	6.67	1.73	1.57	2.04	1.47	6.83
USGS073802516 Barataria Pass at Grand Isle	19.55	26.74	9.85	16.43	10.49	9.76	3.78	1.87	1.30	2.07	2.47	2.01
HWQ14 - Lake Washington	21.24	22.05	8.96	23.63	15.39	15.33	5.38	1.21	1.00	1.76	1.82	3.40
HWQ16 - Bayou Grand Liard	-0.76	-3.33	-1.27	-4.69	-2.90	-2.34	-0.52	-0.57	-0.23	0.08	-0.30	-0.77
CRMS 3985	16.42	8.61	7.94	25.98	22.38	19.08	4.39	-5.29	-1.38	-3.79	-3.07	8.18
CRMS 0258	19.44	21.92	2.43	6.46	12.23	12.30	9.06	6.39	0.48	3.69	0.17	5.59
CRMS 0224	31.93	38.04	9.93	17.30	23.56	23.95	11.77	5.21	2.20	4.22	2.79	9.23
CRMS 0163	-1.21	-1.09	-1.08	-0.99	-1.21	-0.79	-0.28	0.19	-0.13	-0.78	-0.10	-4.09
CRMS 0162	-0.45	-1.43	-1.04	-0.75	-1.30	0.14	-0.82	-0.28	0.19	-7.84	-1.95	-4.91

Figure WQ TSS 126 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.83	9.06	11.71	15.84	17.38	12.12	9.23	9.12	8.82	8.52	6.00	12.17
CRMS0276 - Just east of Wilkinson Canal	52.64	85.05	72.61	65.66	61.95	33.49	18.76	15.92	23.62	21.23	40.01	74.57
Barataria Waterway at Lafitte (USACE82875)	91.87	122.23	102.00	85.22	74.50	51.26	60.21	57.16	60.20	54.65	85.17	146.12
USGS2928590900040000 Barataria Waterway South of Lafitte	6.70	9.80	13.48	20.10	23.12	14.54	8.55	7.69	8.37	8.23	4.95	9.39
USGS7380251 Barataria Bay North of Grand Isle	12.35	9.87	8.96	10.45	10.23	8.35	7.48	12.54	12.49	11.80	11.37	15.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.09	15.46	18.54	18.28	16.89	10.08	7.42	7.23	7.95	8.26	9.51	11.19
USGS 07380335 - Little Lake Near Cutoff	20.28	26.83	28.51	26.31	23.44	12.26	8.38	6.91	7.82	8.86	13.62	17.86
USGS073802516 Barataria Pass at Grand Isle	14.18	18.46	21.13	22.71	22.27	13.63	10.33	8.92	7.63	9.07	9.56	13.58
HWQ14 - Lake Washington	8.38	7.04	9.31	10.09	9.43	6.87	5.15	5.32	6.77	7.13	7.25	8.29
HWQ16 - Bayou Grand Liard	32.18	52.44	54.71	44.31	43.42	18.44	10.16	13.22	9.93	10.53	20.13	35.77
CRMS 3985	21.25	14.40	6.83	7.90	7.62	6.09	5.64	18.36	16.86	15.96	19.77	28.44
CRMS 0258	18.47	30.31	29.48	34.17	39.92	28.22	16.59	10.23	17.09	14.08	8.78	28.83
CRMS 0224	12.45	22.46	23.52	28.32	30.59	17.56	10.11	9.81	12.31	11.25	8.56	13.27
CRMS 0163	114.58	152.33	124.84	103.35	83.00	52.02	70.42	66.14	71.09	65.94	130.60	197.00
CRMS 0162	120.82	148.13	125.07	99.18	82.20	56.05	91.86	62.67	36.73	34.71	86.93	197.42

V3PR3 HYST - cy 3 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	156.90	221.99	188.34	165.22	136.84	76.10	99.62	85.49	87.92	96.19	148.70	256.11
CRMS0276 - Just east of Wilkinson Canal	48.49	75.94	61.50	61.95	58.68	32.13	17.35	15.89	23.40	21.38	38.60	66.83
Barataria Waterway at Lafitte (USACE82875)	89.49	120.29	99.76	83.66	73.32	50.58	59.33	56.23	60.37	54.69	85.55	144.28
USGS2928590900040000 Barataria Waterway South of Lafitte	67.54	138.55	119.74	102.09	81.62	34.03	36.71	32.72	26.40	29.43	20.06	108.88
USGS7380251 Barataria Bay North of Grand Isle	38.96	67.64	60.56	54.19	48.23	19.36	12.96	13.22	15.57	12.97	14.80	49.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.35	74.14	67.16	54.61	49.12	21.26	12.64	11.99	12.36	12.82	12.97	48.75
USGS 07380335 - Little Lake Near Cutoff	34.03	55.44	54.33	45.54	43.33	19.79	10.42	8.60	9.33	10.44	13.23	34.19
USGS073802516 Barataria Pass at Grand Isle	27.75	38.51	37.65	33.94	31.06	18.60	11.79	9.99	8.75	10.77	11.03	20.71
HWQ14 - Lake Washington	19.91	26.44	25.25	26.32	23.74	13.24	6.83	5.83	7.72	8.39	8.74	16.01
HWQ16 - Bayou Grand Liard	31.36	49.51	49.33	41.09	40.01	19.37	9.37	12.47	9.66	10.24	19.18	33.43
CRMS 3985	24.28	23.60	25.69	26.72	26.83	12.55	6.56	11.52	15.06	12.63	17.06	27.77
CRMS 0258	35.46	48.79	42.90	41.91	48.65	29.70	21.34	16.34	17.22	16.69	8.12	45.41
CRMS 0224	36.36	55.05	48.43	44.65	47.28	23.30	15.58	14.75	14.45	14.58	10.12	38.93
CRMS 0163	113.25	151.39	123.56	102.42	82.15	51.75	70.05	65.82	71.73	66.38	130.76	195.71
CRMS 0162	119.83	147.69	123.83	97.73	81.60	55.23	92.22	61.76	34.92	34.11	86.31	197.60

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	148.07	212.93	176.63	149.38	119.46	63.98	90.39	76.37	79.10	87.67	142.70	243.94
CRMS0276 - Just east of Wilkinson Canal	-4.15	-9.11	-11.11	-3.71	-3.27	-1.37	-1.41	-0.03	-0.22	0.15	-1.41	-7.74
Barataria Waterway at Lafitte (USACE82875)	-2.38	-1.93	-2.24	-1.55	-1.19	-0.67	-0.88	-0.93	0.16	0.04	0.39	-1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	60.84	128.74	106.26	82.00	58.50	19.49	28.16	25.03	18.02	21.20	15.11	99.49
USGS7380251 Barataria Bay North of Grand Isle	26.62	57.77	51.61	43.74	38.01	11.01	5.48	0.68	3.08	1.16	3.43	34.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	30.26	58.68	48.62	36.33	32.23	11.17	5.22	4.77	4.42	4.56	3.46	37.55
USGS 07380335 - Little Lake Near Cutoff	13.74	28.62	25.82	19.23	19.89	7.53	2.04	1.69	1.52	1.58	-0.39	16.33
USGS073802516 Barataria Pass at Grand Isle	13.57	20.04	16.52	11.23	8.79	4.97	1.46	1.08	1.12	1.71	1.48	7.13
HWQ14 - Lake Washington	11.53	19.40	15.93	16.23	14.31	6.38	1.68	0.51	0.96	1.26	1.49	7.72
HWQ16 - Bayou Grand Liard	-0.82	-2.93	-5.38	-3.21	-3.42	0.94	-0.79	-0.75	-0.27	-0.28	-0.94	-2.35
CRMS 3985	3.03	9.20	18.86	18.83	19.21	6.46	0.93	-6.84	-1.80	-3.33	-2.70	-0.67
CRMS 0258	16.99	18.47	13.42	7.75	8.73	1.47	4.74	6.10	0.13	2.61	-0.65	16.58
CRMS 0224	23.91	32.59	24.91	16.34	16.68	5.73	5.46	4.94	2.14	3.33	1.57	25.66
CRMS 0163	-1.33	-0.93	-1.28	-0.93	-0.85	-0.27	-0.36	-0.32	0.63	0.45	0.16	-1.28
CRMS 0162	-0.99	-0.44	-1.24	-1.45	-0.61	-0.83	0.36	-0.91	-1.81	-0.60	-0.62	0.18

Figure WQ TSS 127 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.23	11.07	11.17	17.85	20.17	12.10	9.01	9.14	7.68	8.17	11.57	12.75
CRMS0276 - Just east of Wilkinson Canal	28.34	119.02	75.69	111.40	92.08	49.67	14.62	9.98	14.17	26.46	65.93	67.97
Barataria Waterway at Lafitte (USACE82875)	79.75	175.08	127.24	126.83	121.94	84.30	54.08	46.77	24.32	100.80	127.35	126.77
USGS2928590900040000 Barataria Waterway South of Lafitte	4.06	11.99	11.86	25.97	26.79	15.55	7.86	7.48	6.66	6.69	9.77	12.02
USGS7380251 Barataria Bay North of Grand Isle	10.29	14.81	14.15	13.53	13.55	9.74	15.28	15.65	10.44	14.88	15.53	15.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.32	17.09	15.20	22.54	18.38	11.64	7.99	7.59	6.53	7.28	13.17	14.33
USGS 07380335 - Little Lake Near Cutoff	11.31	32.02	20.85	35.11	26.08	15.44	8.15	7.32	6.46	7.81	18.78	21.31
USGS073802516 Barataria Pass at Grand Isle	8.63	21.05	16.98	28.44	22.97	15.88	9.66	8.36	6.71	7.87	13.70	16.28
HWQ14 - Lake Washington	6.79	8.03	12.14	12.67	10.63	7.61	8.03	8.06	6.43	7.99	9.75	9.46
HWQ16 - Bayou Grand Liard	16.25	63.44	37.30	69.50	47.50	28.34	12.39	11.38	9.99	11.94	32.97	36.42
CRMS 3985	19.41	25.52	21.19	13.16	13.42	10.92	22.66	20.25	10.79	22.87	25.60	27.03
CRMS 0258	8.04	36.64	25.26	56.09	54.29	27.75	10.10	8.14	10.18	10.78	24.19	25.89
CRMS 0224	7.10	26.68	18.34	43.49	36.65	22.66	9.42	8.47	8.59	8.65	13.41	16.75
CRMS 0163	125.34	207.79	177.14	138.08	142.76	91.28	60.53	50.19	29.04	131.39	186.79	160.92
CRMS 0162	104.59	187.06	122.66	109.61	116.45	88.55	52.70	31.69	18.15	76.99	152.95	162.54

V3PR3 HYST - cy 3 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	173.35	252.56	230.05	153.78	196.05	119.24	91.00	55.87	49.81	163.87	198.50	172.83
CRMS0276 - Just east of Wilkinson Canal	27.02	106.75	72.51	110.53	85.87	47.60	15.60	10.44	13.75	26.32	64.15	65.77
Barataria Waterway at Lafitte (USACE82875)	79.41	172.44	127.81	126.85	119.42	84.24	55.09	45.76	22.83	100.25	127.00	127.18
USGS2928590900040000 Barataria Waterway South of Lafitte	32.88	123.50	87.37	50.60	98.37	34.32	32.30	26.67	18.00	39.59	26.24	25.24
USGS7380251 Barataria Bay North of Grand Isle	17.25	69.08	48.05	43.56	61.39	16.62	11.08	12.82	12.10	16.96	21.10	17.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	14.36	73.10	48.93	47.36	60.00	19.43	12.42	10.74	9.10	13.68	18.96	18.66
USGS 07380335 - Little Lake Near Cutoff	12.01	57.36	36.15	51.45	47.27	19.53	10.75	8.20	7.05	10.10	20.04	22.02
USGS073802516 Barataria Pass at Grand Isle	9.83	44.77	28.66	41.45	32.88	19.59	11.59	9.00	7.27	10.14	16.04	17.29
HWQ14 - Lake Washington	8.39	30.04	20.14	29.27	22.93	11.74	6.52	5.69	6.60	9.72	11.96	10.92
HWQ16 - Bayou Grand Liard	15.53	60.23	37.92	68.74	44.87	28.33	12.61	11.39	8.61	11.33	31.83	35.60
CRMS 3985	19.33	34.84	20.08	28.68	26.19	10.78	6.59	15.20	9.87	19.18	22.88	21.93
CRMS 0258	11.29	47.97	29.30	52.42	60.08	27.02	15.08	13.74	10.89	14.38	25.67	27.48
CRMS 0224	10.54	50.92	30.46	45.80	53.50	25.18	15.23	13.58	10.77	13.89	16.89	18.23
CRMS 0163	124.31	206.14	177.24	138.07	141.21	91.81	61.92	49.10	27.96	130.82	186.43	160.85
CRMS 0162	101.75	184.61	117.84	110.72	115.69	89.55	50.59	31.23	17.85	75.04	150.11	162.48

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	168.12	241.49	218.88	135.94	175.88	107.14	81.99	46.73	42.13	155.70	186.93	160.08
CRMS0276 - Just east of Wilkinson Canal	-1.31	-12.26	-3.19	-0.88	-6.21	-2.06	0.98	0.46	-0.42	-0.15	-1.79	-2.20
Barataria Waterway at Lafitte (USACE82875)	-0.34	-2.64	0.57	0.02	-2.52	-0.06	1.02	-1.00	-1.49	-0.55	-0.35	0.41
USGS2928590900040000 Barataria Waterway South of Lafitte	28.83	111.51	75.51	24.63	71.58	18.77	24.44	19.19	11.34	32.90	16.47	13.21
USGS7380251 Barataria Bay North of Grand Isle	6.96	54.27	33.90	30.03	47.84	6.88	-4.20	-2.83	1.66	2.08	5.56	1.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.04	56.01	33.72	24.82	41.62	7.79	4.43	3.15	2.57	6.40	5.79	4.33
USGS 07380335 - Little Lake Near Cutoff	0.70	25.34	15.30	16.34	21.19	4.09	2.60	0.88	0.59	2.28	1.26	0.71
USGS073802516 Barataria Pass at Grand Isle	1.20	23.72	11.68	13.01	9.91	3.71	1.93	0.64	0.56	2.27	2.34	1.01
HWQ14 - Lake Washington	1.61	22.00	8.00	16.59	12.30	4.13	-1.52	-2.37	0.17	1.73	2.21	1.45
HWQ16 - Bayou Grand Liard	-0.71	-3.21	0.61	-0.76	-2.63	0.00	0.22	0.01	-1.38	-0.61	-1.14	-0.82
CRMS 3985	-0.08	9.33	-1.12	15.52	12.77	-0.14	-16.07	-5.05	-0.92	-3.69	-2.72	-5.10
CRMS 0258	3.24	11.33	4.04	-3.66	5.80	-0.73	4.99	5.60	0.71	3.60	1.49	1.58
CRMS 0224	3.44	24.24	12.12	2.30	16.85	2.52	5.81	5.10	2.19	5.24	3.48	1.48
CRMS 0163	-1.03	-1.65	0.10	-0.02	-1.55	0.53	1.39	-1.10	-1.08	-0.58	-0.35	-0.06
CRMS 0162	-2.84	-2.46	-4.82	1.11	-0.76	0.99	-2.11	-0.46	-0.30	-1.95	-2.84	-0.06

Figure WQ TSS 128 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.20	7.03	10.10	15.50	17.16	14.24	11.84	13.25	11.78	10.42	5.84	6.71
CRMS0276 - Just east of Wilkinson Canal	32.93	77.35	44.74	71.60	73.21	57.32	38.36	32.76	43.41	32.59	27.50	34.69
Barataria Waterway at Lafitte (USACE82875)	70.69	103.97	65.14	85.59	95.61	74.50	77.32	71.49	73.48	76.28	56.94	92.22
USGS2928590900040000 Barataria Waterway South of Lafitte	4.41	8.02	11.47	20.26	22.43	18.93	10.34	10.78	12.97	10.98	5.58	5.31
USGS7380251 Barataria Bay North of Grand Isle	8.42	7.04	7.43	10.24	10.40	9.07	8.77	13.73	14.37	13.40	7.39	10.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.58	13.92	14.11	17.92	15.57	12.43	9.78	9.70	11.03	10.78	8.03	6.94
USGS 07380335 - Little Lake Near Cutoff	11.63	25.20	19.86	26.90	21.75	16.78	13.60	11.78	12.84	12.58	10.28	9.25
USGS073802516 Barataria Pass at Grand Isle	8.33	17.43	15.48	22.21	20.19	17.73	15.36	13.11	10.49	11.82	8.67	8.25
HWQ14 - Lake Washington	5.56	5.53	8.16	9.48	8.77	7.15	5.60	5.80	7.73	8.09	6.35	6.53
HWQ16 - Bayou Grand Liard	20.88	50.15	31.34	46.01	39.65	35.25	26.22	19.63	18.23	13.96	14.62	17.59
CRMS 3985	14.22	8.91	5.26	7.77	7.86	6.74	6.24	19.72	18.78	18.62	9.09	20.37
CRMS 0258	11.39	23.54	22.81	36.71	42.45	41.07	28.27	28.09	29.18	20.19	8.20	10.83
CRMS 0224	6.88	19.49	17.67	29.90	29.09	25.29	13.53	13.15	19.77	15.83	8.25	6.30
CRMS 0163	98.59	124.91	89.71	96.85	113.88	82.59	85.87	90.49	88.03	90.95	78.74	132.44
CRMS 0162	96.25	122.00	76.81	90.03	98.07	89.24	115.50	104.85	69.70	65.80	50.37	119.40

V3PR3 HYST - cy 3 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	155.45	181.17	146.55	148.06	176.07	140.25	151.93	130.19	104.14	115.16	93.87	152.09
CRMS0276 - Just east of Wilkinson Canal	33.32	67.94	39.79	69.10	67.42	51.80	33.46	33.23	44.33	32.71	25.92	33.08
Barataria Waterway at Lafitte (USACE82875)	68.38	102.12	63.46	84.16	94.10	72.62	73.39	69.51	75.35	76.81	56.48	92.83
USGS2928590900040000 Barataria Waterway South of Lafitte	82.51	114.01	75.88	88.40	108.69	86.72	94.07	62.80	28.86	35.38	14.71	22.10
USGS7380251 Barataria Bay North of Grand Isle	37.98	56.55	39.71	52.90	62.88	47.55	49.34	36.39	16.25	13.51	10.90	12.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	38.27	61.05	42.31	52.74	58.59	50.54	54.53	41.23	17.52	16.05	11.13	11.40
USGS 07380335 - Little Lake Near Cutoff	26.17	46.73	31.92	46.13	47.05	40.66	39.97	28.83	16.79	14.79	10.92	10.34
USGS073802516 Barataria Pass at Grand Isle	19.22	34.44	24.28	34.32	31.57	26.81	25.62	22.95	14.21	14.06	9.80	9.05
HWQ14 - Lake Washington	14.69	23.27	17.10	27.00	24.36	20.74	17.72	14.30	9.00	9.03	7.26	6.86
HWQ16 - Bayou Grand Liard	20.05	44.84	29.11	43.94	37.30	34.30	24.03	18.97	19.28	14.33	13.88	16.30
CRMS 3985	17.57	20.26	15.87	26.72	29.21	24.11	22.13	17.21	8.83	10.57	11.10	17.59
CRMS 0258	30.00	36.30	26.78	42.30	53.82	52.42	59.42	49.36	30.88	23.70	8.00	11.60
CRMS 0224	32.36	42.69	28.60	43.91	51.35	48.26	55.66	40.82	23.26	19.48	9.54	8.83
CRMS 0163	96.64	123.82	88.71	95.92	112.31	80.81	82.95	91.04	90.28	91.72	76.75	132.87
CRMS 0162	95.52	121.22	74.83	88.61	96.21	88.95	115.35	106.68	69.25	62.83	48.17	118.39

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	149.26	174.13	136.45	132.56	158.91	126.01	140.09	116.94	92.36	104.74	88.03	145.39
CRMS0276 - Just east of Wilkinson Canal	0.38	-9.42	-4.95	-2.50	-5.79	-5.52	-4.90	0.47	0.92	0.13	-1.58	-1.61
Barataria Waterway at Lafitte (USACE82875)	-2.31	-1.85	-1.68	-1.43	-1.50	-1.88	-3.93	-1.98	1.88	0.53	-0.46	0.61
USGS2928590900040000 Barataria Waterway South of Lafitte	78.11	105.99	64.41	68.14	86.26	67.80	83.73	52.02	15.88	24.40	9.13	16.79
USGS7380251 Barataria Bay North of Grand Isle	29.56	49.50	32.27	42.67	52.49	38.48	40.57	22.65	1.88	0.11	3.51	1.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	30.69	47.13	28.20	34.81	43.02	38.11	44.75	31.54	6.50	5.27	3.09	4.46
USGS 07380335 - Little Lake Near Cutoff	14.54	21.53	12.06	19.23	25.30	23.89	26.37	17.05	3.94	2.21	0.63	1.09
USGS073802516 Barataria Pass at Grand Isle	10.89	17.01	8.80	12.10	11.38	9.08	10.26	9.84	3.72	2.24	1.13	0.80
HWQ14 - Lake Washington	9.13	17.74	8.94	17.53	15.59	13.58	12.12	8.51	1.28	0.94	0.92	0.33
HWQ16 - Bayou Grand Liard	-0.83	-5.32	-2.24	-2.07	-2.35	-0.94	-2.19	-0.66	1.05	0.37	-0.74	-1.28
CRMS 3985	3.34	11.36	10.61	18.95	21.35	17.37	15.90	-2.51	-9.95	-8.05	2.02	-2.77
CRMS 0258	18.60	12.76	3.98	5.59	11.37	11.35	31.14	21.27	1.70	3.51	-0.20	0.77
CRMS 0224	25.48	23.20	10.93	14.01	22.26	22.97	42.13	27.67	3.50	3.65	1.29	2.53
CRMS 0163	-1.95	-1.09	-1.00	-0.93	-1.57	-1.78	-2.92	0.55	2.24	0.77	-1.99	0.44
CRMS 0162	-0.73	-0.78	-1.98	-1.41	-1.86	-0.28	-0.14	1.82	-0.45	-2.97	-2.20	-1.01

Figure WQ TSS 129 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.81	3.23	14.35	22.52	23.58	14.89	10.72	11.13	9.41	9.16	5.61	13.45
CRMS0276 - Just east of Wilkinson Canal	57.64	42.38	109.58	105.05	117.47	41.29	25.92	23.58	33.91	27.10	27.16	111.23
Barataria Waterway at Lafitte (USACE82875)	99.14	91.22	181.79	129.80	150.34	50.73	54.22	56.78	59.79	60.58	58.31	189.45
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	3.72	12.09	29.87	32.95	19.42	9.39	8.90	10.08	9.67	5.09	11.86
USGS7380251 Barataria Bay North of Grand Isle	11.85	5.07	17.48	16.23	13.15	9.37	8.11	9.93	11.47	11.69	9.12	16.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.18	9.21	18.28	28.36	23.57	14.14	8.36	8.71	8.97	9.56	8.44	13.80
USGS 07380335 - Little Lake Near Cutoff	27.09	14.72	27.83	42.02	35.48	18.12	10.45	9.56	10.07	10.96	11.58	25.28
USGS073802516 Barataria Pass at Grand Isle	18.83	10.58	20.78	34.35	31.77	19.06	12.66	11.46	8.61	10.50	8.62	18.43
HWQ14 - Lake Washington	9.24	4.64	12.32	15.70	11.84	8.70	5.46	5.46	6.21	7.22	6.32	7.90
HWQ16 - Bayou Grand Liard	40.19	23.52	68.65	72.03	77.48	31.10	16.03	13.47	13.69	12.12	16.14	59.43
CRMS 3985	19.36	9.10	29.78	14.30	10.10	6.89	5.03	10.99	14.78	15.81	14.97	30.20
CRMS 0258	14.48	10.93	40.03	52.36	63.95	32.55	22.20	22.19	22.17	18.29	8.34	33.98
CRMS 0224	16.30	12.14	21.13	45.35	47.47	24.32	11.40	11.64	16.21	14.25	7.75	17.18
CRMS 0163	123.22	114.85	238.19	148.92	169.71	51.31	59.80	69.63	71.58	64.50	93.10	242.58
CRMS 0162	125.98	90.49	221.88	138.29	163.09	60.32	79.38	75.70	47.37	36.32	59.20	245.13

V3PR3 HYST - cy 3 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	142.89	136.18	340.74	217.64	239.68	103.05	111.16	88.61	85.94	83.40	130.49	332.66
CRMS0276 - Just east of Wilkinson Canal	57.28	40.35	93.81	100.71	110.65	38.63	24.18	24.48	33.74	25.76	26.53	92.54
Barataria Waterway at Lafitte (USACE82875)	97.57	89.50	178.68	127.34	149.89	50.15	52.17	55.69	60.17	60.55	58.73	185.61
USGS2928590900040000 Barataria Waterway South of Lafitte	33.15	21.40	217.08	140.28	161.96	56.00	66.36	33.94	25.88	30.96	25.21	218.15
USGS7380251 Barataria Bay North of Grand Isle	24.47	12.92	109.16	80.22	91.01	34.21	37.72	18.92	14.06	13.16	13.83	105.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	33.69	13.37	121.41	77.55	89.73	36.17	39.85	18.61	13.68	14.10	10.94	119.42
USGS 07380335 - Little Lake Near Cutoff	37.79	15.91	87.93	66.12	74.89	31.55	28.46	14.48	12.15	12.47	10.54	79.29
USGS073802516 Barataria Pass at Grand Isle	30.13	12.09	53.70	50.03	49.05	23.37	19.07	15.70	10.51	12.36	9.42	53.52
HWQ14 - Lake Washington	20.35	8.19	35.15	39.53	37.25	18.46	13.37	9.16	7.14	8.50	7.14	33.99
HWQ16 - Bayou Grand Liard	40.92	22.89	62.69	67.26	69.96	29.43	15.86	13.17	13.87	11.83	14.85	53.90
CRMS 3985	23.22	16.97	47.10	40.67	45.16	20.19	16.74	9.60	9.75	12.72	10.52	41.57
CRMS 0258	24.32	10.65	74.38	59.64	80.18	40.28	45.86	31.81	22.95	21.19	8.07	71.81
CRMS 0224	31.60	13.26	80.56	63.52	78.57	37.34	42.35	21.96	18.35	17.27	8.54	77.49
CRMS 0163	121.48	112.24	236.63	147.30	170.73	51.03	58.84	70.40	72.67	64.56	93.96	241.37
CRMS 0162	124.26	86.23	216.35	136.85	165.81	60.00	78.94	76.54	46.33	34.11	58.66	244.72

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.08	132.96	326.39	195.12	216.10	88.16	100.44	77.48	76.53	74.24	124.88	319.21
CRMS0276 - Just east of Wilkinson Canal	-0.36	-2.03	-15.77	-4.34	-6.82	-2.66	-1.75	0.91	-0.17	-1.34	-0.63	-18.70
Barataria Waterway at Lafitte (USACE82875)	-1.58	-1.72	-3.12	-2.46	-0.45	-0.58	-2.06	-1.09	0.38	-0.02	0.42	-3.83
USGS2928590900040000 Barataria Waterway South of Lafitte	26.29	17.68	204.99	110.42	129.01	36.57	56.97	25.04	15.81	21.29	20.12	206.29
USGS7380251 Barataria Bay North of Grand Isle	12.62	7.86	91.67	64.00	77.86	24.83	29.61	8.99	2.60	1.47	4.71	89.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.52	4.16	103.13	49.19	66.17	22.03	31.50	9.90	4.72	4.54	2.50	105.62
USGS 07380335 - Little Lake Near Cutoff	10.71	1.19	60.09	24.10	39.41	13.43	18.01	4.92	2.09	1.51	-1.04	54.01
USGS073802516 Barataria Pass at Grand Isle	11.31	1.51	32.92	15.68	17.28	4.31	6.41	4.25	1.90	1.86	0.80	35.09
HWQ14 - Lake Washington	11.11	3.55	22.83	23.84	25.42	9.76	7.92	3.70	0.93	1.28	0.82	26.09
HWQ16 - Bayou Grand Liard	0.74	-0.63	-5.95	-4.78	-7.52	-1.67	-0.17	-0.30	0.18	-0.29	-1.28	-5.53
CRMS 3985	3.86	7.87	17.32	26.37	35.06	13.30	11.72	-1.40	-5.03	-3.10	-4.45	11.37
CRMS 0258	9.84	-0.28	34.35	7.28	16.23	7.73	23.66	9.62	0.77	2.90	-0.28	37.82
CRMS 0224	15.30	1.12	59.42	18.17	31.10	13.02	30.95	10.31	2.14	3.02	0.79	60.30
CRMS 0163	-1.75	-2.61	-1.56	-1.62	1.02	-0.28	-0.96	0.76	1.09	0.06	0.86	-1.21
CRMS 0162	-1.72	-4.26	-5.53	-1.44	2.73	-0.31	-0.44	0.84	-1.04	-2.21	-0.54	-0.41

Figure WQ TSS 130 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.38	9.62	11.92	18.59	17.99	13.89	9.62	8.70	8.35	8.52	7.49	10.02
CRMS0276 - Just east of Wilkinson Canal	65.92	99.81	58.80	100.13	72.24	64.90	23.16	12.19	19.12	26.04	50.73	52.21
Barataria Waterway at Lafitte (USACE82875)	113.71	139.95	91.74	115.88	93.00	77.45	51.96	46.30	47.73	82.77	101.35	106.90
USGS2928590900040000 Barataria Waterway South of Lafitte	5.77	9.57	12.81	25.00	23.73	18.29	9.35	7.53	7.76	7.62	6.43	8.49
USGS7380251 Barataria Bay North of Grand Isle	5.94	11.25	10.28	12.30	11.00	9.20	7.83	11.36	11.20	13.61	13.74	10.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.76	14.79	16.02	23.07	17.31	12.57	8.81	7.14	7.06	7.83	10.75	11.04
USGS 07380335 - Little Lake Near Cutoff	21.56	27.44	22.81	36.46	23.90	17.65	10.95	7.07	6.56	8.27	14.74	15.76
USGS073802516 Barataria Pass at Grand Isle	14.04	19.19	17.72	28.92	22.34	19.18	13.32	8.87	6.88	8.69	11.33	12.56
HWQ14 - Lake Washington	4.13	6.67	9.95	11.45	9.92	7.42	5.54	5.18	6.20	7.29	8.76	8.07
HWQ16 - Bayou Grand Liard	38.85	61.96	37.91	67.55	43.19	41.53	15.53	12.82	8.86	10.73	25.01	25.54
CRMS 3985	9.45	19.59	9.32	9.80	8.32	6.99	5.67	15.49	14.12	21.09	23.39	13.48
CRMS 0258	15.77	31.09	29.69	48.10	44.24	40.24	16.67	9.66	14.57	12.76	12.01	13.76
CRMS 0224	12.27	21.74	20.19	40.31	31.43	25.27	12.22	9.52	10.30	10.35	10.52	11.72
CRMS 0163	128.18	173.95	127.38	126.85	114.75	81.16	58.08	54.25	51.24	111.25	153.93	152.05
CRMS 0162	127.64	158.56	102.96	121.70	106.13	87.42	70.11	38.30	26.08	83.54	119.75	144.73

V3PR4 HYST - cy 3 - 2002 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	148.21	243.82	179.15	190.50	185.09	138.89	81.20	68.99	68.88	145.88	169.13	208.34
CRMS0276 - Just east of Wilkinson Canal	67.75	89.18	54.16	96.75	66.72	56.82	22.71	13.99	20.71	26.87	51.79	51.05
Barataria Waterway at Lafitte (USACE82875)	111.21	139.51	91.64	115.31	92.40	76.94	51.83	47.81	50.48	85.58	105.21	107.61
USGS2928590900040000 Barataria Waterway South of Lafitte	80.48	182.52	103.38	143.33	138.51	101.80	45.84	39.06	32.19	50.32	38.32	98.65
USGS7380251 Barataria Bay North of Grand Isle	46.92	86.47	47.88	80.77	72.67	53.11	18.33	12.36	13.26	14.87	14.85	31.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	59.16	111.89	57.73	87.69	80.25	60.33	22.90	12.01	11.54	14.02	15.83	36.35
USGS 07380335 - Little Lake Near Cutoff	57.23	86.51	43.26	75.90	65.12	51.33	19.68	8.85	8.60	10.79	16.71	28.31
USGS073802516 Barataria Pass at Grand Isle	44.02	61.34	31.68	54.44	39.39	33.47	18.50	10.75	8.25	10.99	13.67	15.46
HWQ14 - Lake Washington	29.80	35.91	21.02	41.32	29.89	26.64	11.96	6.47	7.11	8.76	9.50	11.39
HWQ16 - Bayou Grand Liard	44.77	63.66	37.67	65.96	43.85	41.16	15.72	12.23	8.88	10.16	26.12	26.16
CRMS 3985	29.13	34.86	18.61	42.46	36.00	30.78	10.48	9.30	12.57	16.78	14.30	21.04
CRMS 0258	44.08	66.60	35.80	64.79	65.87	56.91	27.17	16.05	16.31	17.95	12.67	24.30
CRMS 0224	55.23	79.76	37.47	70.20	66.46	54.84	25.96	14.88	13.70	15.66	13.62	27.47
CRMS 0163	126.92	173.19	126.79	126.39	113.98	80.64	58.47	55.23	53.55	113.62	156.49	149.26
CRMS 0162	126.39	154.62	100.82	119.61	103.49	84.94	70.59	39.82	26.51	88.53	119.35	142.37

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.83	234.20	167.23	171.91	167.10	125.00	71.58	60.29	60.53	137.36	161.64	198.31
CRMS0276 - Just east of Wilkinson Canal	1.83	-10.63	-4.64	-3.38	-5.52	-8.08	-0.45	1.80	1.60	0.83	1.06	-1.16
Barataria Waterway at Lafitte (USACE82875)	-2.50	-0.44	-0.10	-0.58	-0.60	-0.50	-0.13	1.50	2.75	2.81	3.86	0.71
USGS2928590900040000 Barataria Waterway South of Lafitte	74.70	172.96	90.57	118.33	114.78	83.51	36.49	31.52	24.44	42.70	31.89	90.16
USGS7380251 Barataria Bay North of Grand Isle	40.98	75.22	37.61	68.47	61.67	43.91	10.50	1.00	2.06	1.26	1.11	20.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.40	97.10	41.70	64.62	62.94	47.76	14.09	4.87	4.48	6.19	5.08	25.30
USGS 07380335 - Little Lake Near Cutoff	35.67	59.07	20.45	39.43	41.22	33.68	8.73	1.78	2.04	2.52	1.96	12.55
USGS073802516 Barataria Pass at Grand Isle	29.98	42.16	13.95	25.52	17.05	14.28	5.18	1.88	1.37	2.30	2.34	2.90
HWQ14 - Lake Washington	25.67	29.24	11.07	29.87	19.97	19.22	6.42	1.29	0.92	1.46	0.74	3.32
HWQ16 - Bayou Grand Liard	5.92	1.71	-0.24	-1.59	0.66	-0.36	0.20	-0.59	0.02	-0.57	1.10	0.62
CRMS 3985	19.67	15.27	9.30	32.66	27.68	23.79	4.81	-6.19	-1.55	-4.31	-9.10	7.57
CRMS 0258	28.31	35.50	6.11	16.69	21.63	16.67	10.50	6.39	1.74	5.20	0.66	10.53
CRMS 0224	42.96	58.02	17.28	29.89	35.03	29.58	13.74	5.36	3.40	5.30	3.10	15.75
CRMS 0163	-1.26	-0.76	-0.59	-0.46	-0.77	-0.52	0.39	0.98	2.31	2.37	2.56	-2.78
CRMS 0162	-1.25	-3.94	-2.13	-2.09	-2.64	-2.47	0.48	1.52	0.42	5.00	-0.40	-2.36

Figure WQ TSS 131 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.83	9.06	11.71	15.84	17.38	12.12	9.23	9.12	8.82	8.52	6.00	12.17
CRMS0276 - Just east of Wilkinson Canal	52.64	85.05	72.61	65.66	61.95	33.49	18.76	15.92	23.62	21.23	40.01	74.57
Barataria Waterway at Lafitte (USACE82875)	91.87	122.23	102.00	85.22	74.50	51.26	60.21	57.16	60.20	54.65	85.17	146.12
USGS2928590900040000 Barataria Waterway South of Lafitte	6.70	9.80	13.48	20.10	23.12	14.54	8.55	7.69	8.37	8.23	4.95	9.39
USGS7380251 Barataria Bay North of Grand Isle	12.35	9.87	8.96	10.45	10.23	8.35	7.48	12.54	12.49	11.80	11.37	15.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.09	15.46	18.54	18.28	16.89	10.08	7.42	7.23	7.95	8.26	9.51	11.19
USGS 07380335 - Little Lake Near Cutoff	20.28	26.83	28.51	26.31	23.44	12.26	8.38	6.91	7.82	8.86	13.62	17.86
USGS073802516 Barataria Pass at Grand Isle	14.18	18.46	21.13	22.71	22.27	13.63	10.33	8.92	7.63	9.07	9.56	13.58
HWQ14 - Lake Washington	8.38	7.04	9.31	10.09	9.43	6.87	5.15	5.32	6.77	7.13	7.25	8.29
HWQ16 - Bayou Grand Liard	32.18	52.44	54.71	44.31	43.42	18.44	10.16	13.22	9.93	10.53	20.13	35.77
CRMS 3985	21.25	14.40	6.83	7.90	7.62	6.09	5.64	18.36	16.86	15.96	19.77	28.44
CRMS 0258	18.47	30.31	29.48	34.17	39.92	28.22	16.59	10.23	17.09	14.08	8.78	28.83
CRMS 0224	12.45	22.46	23.52	28.32	30.59	17.56	10.11	9.81	12.31	11.25	8.56	13.27
CRMS 0163	114.58	152.33	124.84	103.35	83.00	52.02	70.42	66.14	71.09	65.94	130.60	197.00
CRMS 0162	120.82	148.13	125.07	99.18	82.20	56.05	91.86	62.67	36.73	34.71	86.93	197.42

V3PR4 HYST - cy 3 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.70	227.12	193.67	170.13	141.61	76.04	98.31	85.21	88.14	94.74	148.80	260.93
CRMS0276 - Just east of Wilkinson Canal	50.77	75.59	59.90	61.34	58.72	32.72	18.79	17.09	25.19	22.41	37.54	69.96
Barataria Waterway at Lafitte (USACE82875)	91.83	121.90	101.13	84.66	74.19	51.09	60.67	57.69	62.22	58.07	87.96	148.85
USGS2928590900040000 Barataria Waterway South of Lafitte	90.62	170.27	144.45	125.35	101.16	39.12	47.49	42.76	35.75	38.66	32.89	142.23
USGS7380251 Barataria Bay North of Grand Isle	36.97	78.83	72.85	63.27	53.28	19.20	12.42	12.42	14.71	12.30	12.84	51.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	54.27	100.45	87.51	70.23	58.89	22.36	12.77	12.03	12.76	13.02	12.38	65.46
USGS 07380335 - Little Lake Near Cutoff	41.61	76.50	72.10	57.64	51.35	21.27	10.76	8.83	10.02	10.76	12.36	45.51
USGS073802516 Barataria Pass at Grand Isle	32.36	50.09	46.17	40.72	36.15	20.04	12.11	10.18	8.93	11.01	10.63	25.17
HWQ14 - Lake Washington	17.99	32.07	30.05	30.44	27.89	14.26	6.94	5.75	7.63	8.15	7.93	16.27
HWQ16 - Bayou Grand Liard	34.30	54.26	52.74	44.11	42.40	20.26	9.95	12.24	10.44	10.18	18.26	36.38
CRMS 3985	16.92	28.50	32.70	31.57	31.75	13.30	6.67	10.90	14.80	12.37	12.87	17.57
CRMS 0258	43.24	63.53	55.92	49.94	53.77	30.40	21.58	16.67	18.36	18.32	8.26	57.15
CRMS 0224	46.04	74.92	64.55	54.62	53.00	24.68	15.94	15.33	15.74	15.47	10.04	53.74
CRMS 0163	114.30	152.04	124.00	102.73	82.73	51.92	70.62	66.63	73.76	69.04	132.41	199.74
CRMS 0162	119.74	145.77	122.89	97.79	80.33	54.56	91.64	65.20	38.19	38.09	88.12	200.98

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	149.87	218.06	181.96	154.29	124.23	63.92	89.08	76.09	79.32	86.22	142.80	248.76
CRMS0276 - Just east of Wilkinson Canal	-1.87	-9.47	-12.70	-4.32	-3.23	-0.78	0.03	1.18	1.57	1.18	-2.46	-4.61
Barataria Waterway at Lafitte (USACE82875)	-0.04	-0.33	-0.87	-0.55	-0.31	-0.17	0.46	0.53	2.01	3.42	2.79	2.73
USGS2928590900040000 Barataria Waterway South of Lafitte	83.93	160.47	130.96	105.25	78.04	24.58	38.94	35.07	27.38	30.43	27.95	132.84
USGS7380251 Barataria Bay North of Grand Isle	24.63	68.97	63.90	52.82	43.05	10.85	4.94	-0.12	2.22	0.50	1.47	35.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	41.18	85.00	68.98	51.96	42.00	12.28	5.36	4.80	4.81	4.76	2.86	54.27
USGS 07380335 - Little Lake Near Cutoff	21.33	49.67	43.59	31.33	27.91	9.01	2.38	1.92	2.21	1.90	-1.27	27.65
USGS073802516 Barataria Pass at Grand Isle	18.18	31.63	25.04	18.01	13.88	6.41	1.78	1.26	1.30	1.94	1.07	11.59
HWQ14 - Lake Washington	9.61	25.03	20.73	20.35	18.46	7.40	1.79	0.43	0.86	1.03	0.68	7.99
HWQ16 - Bayou Grand Liard	2.12	1.81	-1.97	-0.20	-1.02	1.83	-0.21	-0.98	0.50	-0.35	-1.87	0.61
CRMS 3985	-4.33	14.09	25.87	23.67	24.14	7.21	1.04	-7.46	-2.06	-3.59	-6.90	-10.87
CRMS 0258	24.78	33.22	26.44	15.77	13.86	2.17	4.99	6.44	1.27	4.24	-0.52	28.32
CRMS 0224	33.59	52.46	41.02	26.30	22.40	7.12	5.82	5.52	3.42	4.22	1.48	40.47
CRMS 0163	-0.28	-0.29	-0.84	-0.62	-0.27	-0.10	0.21	0.49	2.66	3.10	1.81	2.74
CRMS 0162	-1.08	-2.36	-2.18	-1.39	-1.87	-1.49	-0.22	2.53	1.46	3.38	1.19	3.56

Figure WQ TSS 132 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.23	11.07	11.17	17.85	20.17	12.10	9.01	9.14	7.68	8.17	11.57	12.75
CRMS0276 - Just east of Wilkinson Canal	28.34	119.02	75.69	111.40	92.08	49.67	14.62	9.98	14.17	26.46	65.93	67.97
Barataria Waterway at Lafitte (USACE82875)	79.75	175.08	127.24	126.83	121.94	84.30	54.08	46.77	24.32	100.80	127.35	126.77
USGS2928590900040000 Barataria Waterway South of Lafitte	4.06	11.99	11.86	25.97	26.79	15.55	7.86	7.48	6.66	6.69	9.77	12.02
USGS7380251 Barataria Bay North of Grand Isle	10.29	14.81	14.15	13.53	13.55	9.74	15.28	15.65	10.44	14.88	15.53	15.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.32	17.09	15.20	22.54	18.38	11.64	7.99	7.59	6.53	7.28	13.17	14.33
USGS 07380335 - Little Lake Near Cutoff	11.31	32.02	20.85	35.11	26.08	15.44	8.15	7.32	6.46	7.81	18.78	21.31
USGS073802516 Barataria Pass at Grand Isle	8.63	21.05	16.98	28.44	22.97	15.88	9.66	8.36	6.71	7.87	13.70	16.28
HWQ14 - Lake Washington	6.79	8.03	12.14	12.67	10.63	7.61	8.03	8.06	6.43	7.99	9.75	9.46
HWQ16 - Bayou Grand Liard	16.25	63.44	37.30	69.50	47.50	28.34	12.39	11.38	9.99	11.94	32.97	36.42
CRMS 3985	19.41	25.52	21.19	13.16	13.42	10.92	22.66	20.25	10.79	22.87	25.60	27.03
CRMS 0258	8.04	36.64	25.26	56.09	54.29	27.75	10.10	8.14	10.18	10.78	24.19	25.89
CRMS 0224	7.10	26.68	18.34	43.49	36.65	22.66	9.42	8.47	8.59	8.65	13.41	16.75
CRMS 0163	125.34	207.79	177.14	138.08	142.76	91.28	60.53	50.19	29.04	131.39	186.79	160.92
CRMS 0162	104.59	187.06	122.66	109.61	116.45	88.55	52.70	31.69	18.15	76.99	152.95	162.54

V3PR4 HYST - cy 3 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	171.63	255.73	231.77	154.48	198.14	118.42	89.94	56.16	50.25	161.45	196.49	170.79
CRMS0276 - Just east of Wilkinson Canal	28.33	109.75	74.33	112.96	88.35	49.03	15.89	10.42	14.61	26.97	67.14	69.03
Barataria Waterway at Lafitte (USACE82875)	82.15	175.63	130.87	128.91	121.47	84.79	56.60	47.85	28.69	103.97	130.89	130.26
USGS2928590900040000 Barataria Waterway South of Lafitte	57.38	155.93	123.08	59.27	118.82	40.73	42.18	34.43	24.17	52.34	42.62	39.89
USGS7380251 Barataria Bay North of Grand Isle	16.78	74.50	55.03	44.70	63.03	16.05	10.53	12.00	11.46	16.04	19.57	16.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.09	94.01	64.76	53.25	72.23	19.63	12.13	10.40	9.18	13.89	18.97	18.19
USGS 07380335 - Little Lake Near Cutoff	12.32	74.66	46.47	58.94	56.42	20.14	10.65	7.90	6.90	10.24	20.71	22.41
USGS073802516 Barataria Pass at Grand Isle	10.02	56.62	34.60	48.00	36.55	20.42	11.50	8.77	7.12	10.27	16.40	17.37
HWQ14 - Lake Washington	8.19	34.65	22.76	32.30	24.59	11.98	6.38	5.43	6.44	9.42	11.60	10.59
HWQ16 - Bayou Grand Liard	16.11	64.94	39.83	72.95	48.18	29.57	12.72	11.41	8.22	10.66	33.51	37.39
CRMS 3985	19.15	34.59	21.21	30.23	26.58	10.77	6.54	14.52	9.59	18.69	22.27	21.58
CRMS 0258	11.34	55.65	33.68	53.42	64.99	27.69	14.92	13.63	11.59	16.06	26.15	27.64
CRMS 0224	10.88	65.28	40.76	49.47	61.27	25.69	15.02	13.38	10.68	14.43	17.11	18.09
CRMS 0163	125.65	208.20	178.09	139.72	142.10	91.85	62.76	51.23	33.06	134.48	188.32	162.24
CRMS 0162	104.92	183.38	116.78	108.75	114.66	92.80	56.04	33.34	18.68	82.15	152.25	163.42

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	166.40	244.66	220.60	136.64	177.97	106.32	80.93	47.02	42.57	153.28	184.93	158.04
CRMS0276 - Just east of Wilkinson Canal	-0.01	-9.27	-1.36	1.56	-3.73	-0.64	1.27	0.43	0.44	0.50	1.20	1.06
Barataria Waterway at Lafitte (USACE82875)	2.39	0.55	3.63	2.08	-0.48	0.49	2.53	1.08	4.38	3.17	3.54	3.49
USGS2928590900040000 Barataria Waterway South of Lafitte	53.32	143.94	111.22	33.30	92.03	25.18	34.31	26.95	17.51	45.65	32.86	27.87
USGS7380251 Barataria Bay North of Grand Isle	6.49	59.69	40.88	31.17	49.49	6.31	-4.75	-3.65	1.02	1.16	4.03	0.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.77	76.92	49.56	30.72	53.84	7.99	4.14	2.82	2.65	6.61	5.80	3.86
USGS 07380335 - Little Lake Near Cutoff	1.01	42.64	25.62	23.83	30.35	4.70	2.50	0.58	0.43	2.43	1.93	1.10
USGS073802516 Barataria Pass at Grand Isle	1.39	35.57	17.62	19.56	13.58	4.54	1.83	0.40	0.41	2.40	2.71	1.10
HWQ14 - Lake Washington	1.41	26.62	10.62	19.62	13.96	4.37	-1.66	-2.62	0.01	1.43	1.85	1.12
HWQ16 - Bayou Grand Liard	-0.14	1.50	2.53	3.45	0.68	1.23	0.33	0.03	-1.77	-1.29	0.54	0.96
CRMS 3985	-0.26	9.08	0.02	17.07	13.16	-0.15	-16.12	-5.73	-1.20	-4.19	-3.33	-5.45
CRMS 0258	3.29	19.01	8.42	-2.67	10.71	-0.06	4.82	5.49	1.41	5.28	1.97	1.74
CRMS 0224	3.78	38.60	22.41	5.98	24.61	3.03	5.59	4.90	2.09	5.78	3.70	1.34
CRMS 0163	0.32	0.41	0.95	1.63	-0.66	0.57	2.23	1.04	4.02	3.09	1.53	1.32
CRMS 0162	0.34	-3.69	-5.88	-0.86	-1.79	4.24	3.34	1.66	0.53	5.16	-0.69	0.89

Figure WQ TSS 133 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.20	7.03	10.10	15.50	17.16	14.24	11.84	13.25	11.78	10.42	5.84	6.71
CRMS0276 - Just east of Wilkinson Canal	32.93	77.35	44.74	71.60	73.21	57.32	38.36	32.76	43.41	32.59	27.50	34.69
Barataria Waterway at Lafitte (USACE82875)	70.69	103.97	65.14	85.59	95.61	74.50	77.32	71.49	73.48	76.28	56.94	92.22
USGS2928590900040000 Barataria Waterway South of Lafitte	4.41	8.02	11.47	20.26	22.43	18.93	10.34	10.78	12.97	10.98	5.58	5.31
USGS7380251 Barataria Bay North of Grand Isle	8.42	7.04	7.43	10.24	10.40	9.07	8.77	13.73	14.37	13.40	7.39	10.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.58	13.92	14.11	17.92	15.57	12.43	9.78	9.70	11.03	10.78	8.03	6.94
USGS 07380335 - Little Lake Near Cutoff	11.63	25.20	19.86	26.90	21.75	16.78	13.60	11.78	12.84	12.58	10.28	9.25
USGS073802516 Barataria Pass at Grand Isle	8.33	17.43	15.48	22.21	20.19	17.73	15.36	13.11	10.49	11.82	8.67	8.25
HWQ14 - Lake Washington	5.56	5.53	8.16	9.48	8.77	7.15	5.60	5.80	7.73	8.09	6.35	6.53
HWQ16 - Bayou Grand Liard	20.88	50.15	31.34	46.01	39.65	35.25	26.22	19.63	18.23	13.96	14.62	17.59
CRMS 3985	14.22	8.91	5.26	7.77	7.86	6.74	6.24	19.72	18.78	18.62	9.09	20.37
CRMS 0258	11.39	23.54	22.81	36.71	42.45	41.07	28.27	28.09	29.18	20.19	8.20	10.83
CRMS 0224	6.88	19.49	17.67	29.90	29.09	25.29	13.53	13.15	19.77	15.83	8.25	6.30
CRMS 0163	98.59	124.91	89.71	96.85	113.88	82.59	85.87	90.49	88.03	90.95	78.74	132.44
CRMS 0162	96.25	122.00	76.81	90.03	98.07	89.24	115.50	104.85	69.70	65.80	50.37	119.40

V3PR4 HYST - cy 3 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.61	186.25	150.45	152.07	179.87	143.47	154.69	130.72	104.70	114.08	92.52	150.01
CRMS0276 - Just east of Wilkinson Canal	36.47	67.48	38.71	69.51	66.78	51.36	36.85	36.50	46.09	34.55	27.11	34.55
Barataria Waterway at Lafitte (USACE82875)	69.70	103.43	64.14	84.92	95.35	73.42	74.47	70.90	76.16	78.66	57.75	95.00
USGS2928590900040000 Barataria Waterway South of Lafitte	108.47	138.49	99.95	108.09	132.29	104.52	112.21	72.77	37.26	43.65	23.04	35.14
USGS7380251 Barataria Bay North of Grand Isle	44.58	68.98	45.22	59.30	71.45	52.13	52.31	36.01	15.32	12.84	10.21	11.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	54.64	81.89	56.84	66.06	74.73	60.27	66.01	46.29	17.85	16.09	11.04	10.62
USGS 07380335 - Little Lake Near Cutoff	36.49	63.55	42.20	56.86	59.99	48.67	50.37	34.93	17.58	15.25	11.21	10.18
USGS073802516 Barataria Pass at Grand Isle	26.16	45.23	28.67	41.63	36.77	30.79	31.20	26.69	14.78	14.20	9.69	8.70
HWQ14 - Lake Washington	17.82	31.08	18.89	31.42	28.01	23.82	20.79	16.21	9.11	8.86	7.13	6.48
HWQ16 - Bayou Grand Liard	22.45	48.35	30.12	47.27	40.85	36.35	26.96	21.79	20.82	15.15	14.41	16.55
CRMS 3985	18.75	28.56	17.79	30.42	33.57	27.11	24.71	17.68	8.78	10.33	10.91	17.42
CRMS 0258	38.53	47.63	32.94	49.71	62.62	58.84	68.83	53.32	31.60	24.41	8.17	11.39
CRMS 0224	44.30	58.44	37.89	53.68	61.10	55.87	64.10	46.86	24.08	19.89	9.67	8.20
CRMS 0163	97.35	124.36	88.97	96.37	112.89	81.33	83.34	91.47	90.66	93.64	77.79	133.64
CRMS 0162	94.98	119.90	75.44	88.53	95.93	86.89	114.10	105.62	73.79	72.64	48.91	123.19

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	153.42	179.21	140.35	136.57	162.71	129.23	142.85	117.47	92.92	103.65	86.67	143.30
CRMS0276 - Just east of Wilkinson Canal	3.54	-9.87	-6.03	-2.09	-6.43	-5.97	-1.51	3.74	2.68	1.97	-0.39	-0.14
Barataria Waterway at Lafitte (USACE82875)	-0.98	-0.54	-1.00	-0.66	-0.26	-1.08	-2.85	-0.59	2.68	2.38	0.80	2.78
USGS2928590900040000 Barataria Waterway South of Lafitte	104.06	130.46	88.47	87.83	109.86	85.60	101.87	61.99	24.28	32.66	17.45	29.82
USGS7380251 Barataria Bay North of Grand Isle	36.16	61.93	37.79	49.06	61.06	43.06	43.54	22.28	0.95	-0.56	2.81	0.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.06	67.97	42.74	48.13	59.16	47.85	56.23	36.59	6.83	5.31	3.01	3.68
USGS 07380335 - Little Lake Near Cutoff	24.87	38.35	22.34	29.96	38.24	31.90	36.77	23.15	4.74	2.67	0.93	0.93
USGS073802516 Barataria Pass at Grand Isle	17.82	27.80	13.19	19.41	16.59	13.06	15.85	13.57	4.29	2.38	1.02	0.46
HWQ14 - Lake Washington	12.26	25.54	10.72	21.94	19.24	16.66	15.18	10.42	1.38	0.76	0.78	-0.05
HWQ16 - Bayou Grand Liard	1.56	-1.80	-1.23	1.26	1.20	1.10	0.74	2.16	2.59	1.20	-0.21	-1.04
CRMS 3985	4.53	19.66	12.53	22.64	25.71	20.37	18.48	-2.04	-10.00	-8.29	1.82	-2.95
CRMS 0258	27.14	24.09	10.13	13.00	20.17	17.77	40.55	25.23	2.42	4.22	-0.03	0.56
CRMS 0224	37.42	38.94	20.22	23.78	32.01	30.57	50.56	33.71	4.32	4.06	1.41	1.91
CRMS 0163	-1.24	-0.55	-0.74	-0.48	-0.99	-1.26	-2.54	0.98	2.63	2.69	-0.95	1.20
CRMS 0162	-1.27	-2.09	-1.37	-1.49	-2.14	-2.35	-1.40	0.76	4.09	6.85	-1.46	3.79

Figure WQ TSS 134 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.81	3.23	14.35	22.52	23.58	14.89	10.72	11.13	9.41	9.16	5.61	13.45
CRMS0276 - Just east of Wilkinson Canal	57.64	42.38	109.58	105.05	117.47	41.29	25.92	23.58	33.91	27.10	27.16	111.23
Barataria Waterway at Lafitte (USACE82875)	99.14	91.22	181.79	129.80	150.34	50.73	54.22	56.78	59.79	60.58	58.31	189.45
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	3.72	12.09	29.87	32.95	19.42	9.39	8.90	10.08	9.67	5.09	11.86
USGS7380251 Barataria Bay North of Grand Isle	11.85	5.07	17.48	16.23	13.15	9.37	8.11	9.93	11.47	11.69	9.12	16.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.18	9.21	18.28	28.36	23.57	14.14	8.36	8.71	8.97	9.56	8.44	13.80
USGS 07380335 - Little Lake Near Cutoff	27.09	14.72	27.83	42.02	35.48	18.12	10.45	9.56	10.07	10.96	11.58	25.28
USGS073802516 Barataria Pass at Grand Isle	18.83	10.58	20.78	34.35	31.77	19.06	12.66	11.46	8.61	10.50	8.62	18.43
HWQ14 - Lake Washington	9.24	4.64	12.32	15.70	11.84	8.70	5.46	5.46	6.21	7.22	6.32	7.90
HWQ16 - Bayou Grand Liard	40.19	23.52	68.65	72.03	77.48	31.10	16.03	13.47	13.69	12.12	16.14	59.43
CRMS 3985	19.36	9.10	29.78	14.30	10.10	6.89	5.03	10.99	14.78	15.81	14.97	30.20
CRMS 0258	14.48	10.93	40.03	52.36	63.95	32.55	22.20	22.19	22.17	18.29	8.34	33.98
CRMS 0224	16.30	12.14	21.13	45.35	47.47	24.32	11.40	11.64	16.21	14.25	7.75	17.18
CRMS 0163	123.22	114.85	238.19	148.92	169.71	51.31	59.80	69.63	71.58	64.50	93.10	242.58
CRMS 0162	125.98	90.49	221.88	138.29	163.09	60.32	79.38	75.70	47.37	36.32	59.20	245.13

V3PR4 HYST - cy 3 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.18	134.70	346.69	222.76	246.04	107.10	113.42	87.72	86.52	83.49	128.35	340.31
CRMS0276 - Just east of Wilkinson Canal	60.52	41.56	92.57	100.36	111.14	37.78	26.84	26.21	35.59	27.59	25.69	91.62
Barataria Waterway at Lafitte (USACE82875)	99.61	92.19	182.09	128.60	151.67	50.54	52.42	56.90	61.44	61.99	59.75	189.69
USGS2928590900040000 Barataria Waterway South of Lafitte	45.19	28.85	262.78	169.14	191.82	71.97	79.88	41.89	34.44	36.93	40.04	263.18
USGS7380251 Barataria Bay North of Grand Isle	24.75	12.30	127.28	92.21	105.65	36.15	39.85	18.03	13.13	11.81	13.90	123.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	38.12	13.39	161.77	100.12	116.05	39.96	47.26	19.53	14.12	14.37	10.94	162.08
USGS 07380335 - Little Lake Near Cutoff	43.86	16.23	124.18	83.44	97.87	34.40	35.48	15.84	12.83	13.07	10.43	117.41
USGS073802516 Barataria Pass at Grand Isle	34.87	12.28	70.20	58.49	60.34	25.93	23.25	16.94	10.85	12.64	9.07	73.29
HWQ14 - Lake Washington	22.47	8.05	42.26	45.60	45.41	21.40	15.96	9.93	7.14	8.20	6.83	41.22
HWQ16 - Bayou Grand Liard	45.49	23.49	70.04	70.81	74.70	29.75	17.69	14.09	15.01	12.60	14.60	61.86
CRMS 3985	23.70	16.81	55.72	46.97	54.95	23.51	19.08	9.79	9.43	9.46	12.36	41.58
CRMS 0258	27.42	10.87	99.86	70.51	92.79	41.79	52.17	32.39	23.63	22.04	8.35	97.96
CRMS 0224	36.25	13.24	112.38	78.56	94.33	38.32	48.75	22.84	18.98	17.74	8.61	110.86
CRMS 0163	122.63	114.22	237.44	147.51	171.68	51.34	58.71	71.00	73.55	66.08	93.81	243.52
CRMS 0162	125.71	93.04	217.22	136.07	164.38	58.52	78.09	77.32	50.72	39.05	59.42	244.68

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	134.37	131.47	332.34	200.24	222.46	92.21	102.71	76.59	77.11	74.33	122.74	326.86
CRMS0276 - Just east of Wilkinson Canal	2.87	-0.82	-17.01	-4.69	-6.33	-3.51	0.92	2.63	1.68	0.50	-1.47	-19.61
Barataria Waterway at Lafitte (USACE82875)	0.47	0.97	0.29	-1.20	1.33	-0.19	-1.80	0.12	1.65	1.41	1.44	0.25
USGS2928590900040000 Barataria Waterway South of Lafitte	38.33	25.13	250.69	139.27	158.87	52.55	70.49	32.99	24.36	27.25	34.95	251.32
USGS7380251 Barataria Bay North of Grand Isle	12.90	7.23	109.80	75.98	92.50	26.77	31.74	8.11	1.67	0.11	4.78	107.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.94	4.17	143.49	71.76	92.49	25.81	38.90	10.83	5.15	4.81	2.50	148.28
USGS 07380335 - Little Lake Near Cutoff	16.77	1.51	96.35	41.42	62.39	16.27	25.02	6.28	2.77	2.11	-1.15	92.13
USGS073802516 Barataria Pass at Grand Isle	16.04	1.69	49.42	24.14	28.57	6.87	10.59	5.48	2.24	2.14	0.45	54.86
HWQ14 - Lake Washington	13.23	3.41	29.94	29.90	33.57	12.71	10.50	4.46	0.93	0.98	0.51	33.33
HWQ16 - Bayou Grand Liard	5.30	-0.03	1.40	-1.23	-2.78	-1.35	1.66	0.63	1.32	0.48	-1.53	2.43
CRMS 3985	4.35	7.71	25.93	32.66	44.85	16.62	14.05	-1.20	-5.35	-6.36	-2.61	11.38
CRMS 0258	12.94	-0.05	59.83	18.15	28.84	9.24	29.97	10.20	1.45	3.75	0.00	63.97
CRMS 0224	19.95	1.10	91.25	33.21	46.86	14.00	37.35	11.20	2.77	3.49	0.86	93.68
CRMS 0163	-0.59	-0.62	-0.75	-1.40	1.97	0.03	-1.09	1.37	1.97	1.58	0.71	0.94
CRMS 0162	-0.27	2.54	-4.66	-2.23	1.29	-1.80	-1.29	1.62	3.35	2.74	0.22	-0.45

Figure WQ TSS 135 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.38	9.62	11.92	18.59	17.99	13.89	9.62	8.70	8.35	8.52	7.49	10.02
CRMS0276 - Just east of Wilkinson Canal	65.92	99.81	58.80	100.13	72.24	64.90	23.16	12.19	19.12	26.04	50.73	52.21
Barataria Waterway at Lafitte (USACE82875)	113.71	139.95	91.74	115.88	93.00	77.45	51.96	46.30	47.73	82.77	101.35	106.90
USGS2928590900040000 Barataria Waterway South of Lafitte	5.77	9.57	12.81	25.00	23.73	18.29	9.35	7.53	7.76	7.62	6.43	8.49
USGS7380251 Barataria Bay North of Grand Isle	5.94	11.25	10.28	12.30	11.00	9.20	7.83	11.36	11.20	13.61	13.74	10.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.76	14.79	16.02	23.07	17.31	12.57	8.81	7.14	7.06	7.83	10.75	11.04
USGS 07380335 - Little Lake Near Cutoff	21.56	27.44	22.81	36.46	23.90	17.65	10.95	7.07	6.56	8.27	14.74	15.76
USGS073802516 Barataria Pass at Grand Isle	14.04	19.19	17.72	28.92	22.34	19.18	13.32	8.87	6.88	8.69	11.33	12.56
HWQ14 - Lake Washington	4.13	6.67	9.95	11.45	9.92	7.42	5.54	5.18	6.20	7.29	8.76	8.07
HWQ16 - Bayou Grand Liard	38.85	61.96	37.91	67.55	43.19	41.53	15.53	12.82	8.86	10.73	25.01	25.54
CRMS 3985	9.45	19.59	9.32	9.80	8.32	6.99	5.67	15.49	14.12	21.09	23.39	13.48
CRMS 0258	15.77	31.09	29.69	48.10	44.24	40.24	16.67	9.66	14.57	12.76	12.01	13.76
CRMS 0224	12.27	21.74	20.19	40.31	31.43	25.27	12.22	9.52	10.30	10.35	10.52	11.72
CRMS 0163	128.18	173.95	127.38	126.85	114.75	81.16	58.08	54.25	51.24	111.25	153.93	152.05
CRMS 0162	127.64	158.56	102.96	121.70	106.13	87.42	70.11	38.30	26.08	83.54	119.75	144.73

V3PR5 HYST - cy 3 - 2002 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	148.83	244.07	179.58	190.55	185.32	138.93	81.51	69.03	69.06	147.04	169.96	209.51
CRMS0276 - Just east of Wilkinson Canal	67.98	88.97	54.22	96.65	66.69	56.81	22.93	13.92	20.62	27.10	51.18	50.22
Barataria Waterway at Lafitte (USACE82875)	110.94	138.75	91.12	115.02	92.08	76.74	51.36	47.37	49.96	85.56	103.79	107.10
USGS2928590900040000 Barataria Waterway South of Lafitte	73.34	166.34	93.79	136.79	127.10	95.39	42.02	34.98	27.30	42.75	29.24	86.21
USGS7380251 Barataria Bay North of Grand Isle	47.83	90.23	49.51	81.55	75.03	53.67	18.49	12.27	13.19	14.72	16.34	33.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	58.77	111.76	58.35	87.77	80.48	60.45	23.23	12.27	11.74	14.32	16.38	37.03
USGS 07380335 - Little Lake Near Cutoff	56.56	85.91	43.64	75.79	65.19	51.41	19.87	8.91	8.69	10.98	16.92	28.50
USGS073802516 Barataria Pass at Grand Isle	44.03	61.30	31.84	54.47	39.44	33.72	18.68	10.79	8.32	11.15	13.99	15.71
HWQ14 - Lake Washington	30.38	37.01	21.14	41.65	30.30	26.93	12.15	6.48	7.14	8.77	10.27	12.20
HWQ16 - Bayou Grand Liard	44.67	64.06	37.86	66.34	43.98	41.31	15.94	12.15	8.85	10.20	25.74	25.77
CRMS 3985	30.18	36.88	19.52	42.54	37.38	31.30	10.69	9.77	12.50	16.67	19.55	22.09
CRMS 0258	42.69	63.68	34.89	64.48	64.35	56.65	26.76	16.11	16.28	17.84	12.66	22.96
CRMS 0224	54.07	76.49	36.87	69.49	65.28	54.41	25.85	14.96	13.62	15.80	13.76	26.27
CRMS 0163	126.89	173.06	126.92	126.47	113.93	80.67	58.12	55.71	53.62	114.45	154.92	149.76
CRMS 0162	127.08	156.00	102.19	121.54	105.65	86.16	71.65	40.27	26.56	88.81	120.93	144.86

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	142.44	234.45	167.66	171.97	167.33	125.04	71.88	60.33	60.71	138.51	162.46	199.48
CRMS0276 - Just east of Wilkinson Canal	2.06	-10.84	-4.58	-3.48	-5.55	-8.09	-0.23	1.73	1.50	1.06	0.45	-1.99
Barataria Waterway at Lafitte (USACE82875)	-2.77	-1.20	-0.62	-0.87	-0.93	-0.70	-0.60	1.07	2.24	2.79	2.44	0.20
USGS2928590900040000 Barataria Waterway South of Lafitte	67.57	156.78	80.97	111.80	103.37	77.10	32.67	27.45	19.54	35.13	22.82	77.71
USGS7380251 Barataria Bay North of Grand Isle	41.89	78.98	39.23	69.25	64.03	44.48	10.66	0.91	1.98	1.12	2.59	22.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.00	96.97	42.33	64.70	63.16	47.88	14.41	5.13	4.68	6.49	5.63	25.99
USGS 07380335 - Little Lake Near Cutoff	35.00	58.47	20.83	39.32	41.29	33.77	8.91	1.84	2.13	2.71	2.18	12.74
USGS073802516 Barataria Pass at Grand Isle	29.99	42.11	14.12	25.55	17.10	14.53	5.36	1.92	1.44	2.46	2.66	3.15
HWQ14 - Lake Washington	26.25	30.35	11.18	30.20	20.38	19.51	6.61	1.30	0.94	1.48	1.51	4.13
HWQ16 - Bayou Grand Liard	5.82	2.11	-0.05	-1.21	0.79	-0.22	0.41	-0.67	-0.01	-0.53	0.73	0.23
CRMS 3985	20.73	17.29	10.20	32.74	29.06	24.32	5.02	-5.72	-1.62	-4.43	-3.85	8.62
CRMS 0258	26.92	32.59	5.20	16.38	20.11	16.40	10.09	6.45	1.71	5.09	0.65	9.19
CRMS 0224	41.80	54.75	16.68	29.18	33.85	29.15	13.63	5.44	3.32	5.45	3.25	14.54
CRMS 0163	-1.29	-0.89	-0.46	-0.38	-0.82	-0.50	0.05	1.46	2.38	3.21	0.99	-2.28
CRMS 0162	-0.56	-2.56	-0.77	-0.17	-0.48	-1.26	1.54	1.96	0.48	5.27	1.17	0.13

Figure WQ TSS 136 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.83	9.06	11.71	15.84	17.38	12.12	9.23	9.12	8.82	8.52	6.00	12.17
CRMS0276 - Just east of Wilkinson Canal	52.64	85.05	72.61	65.66	61.95	33.49	18.76	15.92	23.62	21.23	40.01	74.57
Barataria Waterway at Lafitte (USACE82875)	91.87	122.23	102.00	85.22	74.50	51.26	60.21	57.16	60.20	54.65	85.17	146.12
USGS2928590900040000 Barataria Waterway South of Lafitte	6.70	9.80	13.48	20.10	23.12	14.54	8.55	7.69	8.37	8.23	4.95	9.39
USGS7380251 Barataria Bay North of Grand Isle	12.35	9.87	8.96	10.45	10.23	8.35	7.48	12.54	12.49	11.80	11.37	15.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.09	15.46	18.54	18.28	16.89	10.08	7.42	7.23	7.95	8.26	9.51	11.19
USGS 07380335 - Little Lake Near Cutoff	20.28	26.83	28.51	26.31	23.44	12.26	8.38	6.91	7.82	8.86	13.62	17.86
USGS073802516 Barataria Pass at Grand Isle	14.18	18.46	21.13	22.71	22.27	13.63	10.33	8.92	7.63	9.07	9.56	13.58
HWQ14 - Lake Washington	8.38	7.04	9.31	10.09	9.43	6.87	5.15	5.32	6.77	7.13	7.25	8.29
HWQ16 - Bayou Grand Liard	32.18	52.44	54.71	44.31	43.42	18.44	10.16	13.22	9.93	10.53	20.13	35.77
CRMS 3985	21.25	14.40	6.83	7.90	7.62	6.09	5.64	18.36	16.86	15.96	19.77	28.44
CRMS 0258	18.47	30.31	29.48	34.17	39.92	28.22	16.59	10.23	17.09	14.08	8.78	28.83
CRMS 0224	12.45	22.46	23.52	28.32	30.59	17.56	10.11	9.81	12.31	11.25	8.56	13.27
CRMS 0163	114.58	152.33	124.84	103.35	83.00	52.02	70.42	66.14	71.09	65.94	130.60	197.00
CRMS 0162	120.82	148.13	125.07	99.18	82.20	56.05	91.86	62.67	36.73	34.71	86.93	197.42

V3PR5 HYST - cy 3 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.25	227.41	193.71	170.25	141.68	76.38	99.02	85.87	88.64	95.40	151.00	258.05
CRMS0276 - Just east of Wilkinson Canal	50.79	75.67	59.89	61.15	58.63	33.06	18.79	17.30	25.17	23.00	37.63	70.40
Barataria Waterway at Lafitte (USACE82875)	90.91	121.47	100.78	84.40	74.12	50.92	60.50	57.36	61.86	57.53	87.54	146.03
USGS2928590900040000 Barataria Waterway South of Lafitte	81.51	155.01	137.87	118.03	95.94	36.43	42.16	38.38	30.11	33.41	25.28	127.17
USGS7380251 Barataria Bay North of Grand Isle	42.10	82.45	74.11	64.44	53.68	19.36	12.29	12.06	14.29	12.23	12.89	54.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	56.46	100.74	87.95	70.29	58.84	22.58	13.02	12.38	12.86	13.22	12.62	66.07
USGS 07380335 - Little Lake Near Cutoff	42.57	76.36	72.22	57.58	51.29	21.43	10.89	9.03	9.95	10.88	12.33	45.92
USGS073802516 Barataria Pass at Grand Isle	34.26	50.44	46.23	40.85	36.11	20.05	12.16	10.31	8.85	11.11	10.68	25.58
HWQ14 - Lake Washington	22.21	33.20	30.25	30.70	28.08	14.32	6.94	5.77	7.43	8.17	8.05	17.64
HWQ16 - Bayou Grand Liard	34.56	54.47	52.80	43.92	42.12	20.26	10.01	12.52	10.38	10.28	18.31	36.76
CRMS 3985	25.08	30.70	33.21	32.13	32.04	13.35	6.61	9.25	14.53	12.37	12.96	28.08
CRMS 0258	41.52	60.76	55.35	49.46	53.56	30.17	21.57	16.65	18.16	18.19	8.20	54.28
CRMS 0224	45.51	72.42	63.50	53.86	52.60	24.58	16.04	15.35	15.43	15.48	10.07	51.56
CRMS 0163	113.96	152.17	124.20	102.73	82.85	52.05	70.78	66.60	73.54	69.24	132.83	196.59
CRMS 0162	120.48	147.31	125.15	98.53	82.33	56.18	92.98	66.94	37.67	38.02	87.84	198.98

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	150.42	218.35	182.00	154.42	124.29	64.26	89.79	76.74	79.82	86.88	145.00	245.88
CRMS0276 - Just east of Wilkinson Canal	-1.85	-9.38	-12.72	-4.51	-3.32	-0.43	0.03	1.39	1.55	1.77	-2.37	-4.17
Barataria Waterway at Lafitte (USACE82875)	-0.96	-0.76	-1.23	-0.82	-0.39	-0.33	0.29	0.20	1.65	2.89	2.37	-0.09
USGS2928590900040000 Barataria Waterway South of Lafitte	74.81	145.21	124.39	97.94	72.82	21.90	33.61	30.70	21.74	25.18	20.33	117.78
USGS7380251 Barataria Bay North of Grand Isle	29.75	72.59	65.16	53.99	43.46	11.01	4.81	-0.48	1.80	0.43	1.52	38.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.37	85.28	69.42	52.02	41.95	12.50	5.61	5.15	4.92	4.97	3.11	54.87
USGS 07380335 - Little Lake Near Cutoff	22.28	49.53	43.72	31.27	27.85	9.16	2.51	2.12	2.13	2.02	-1.29	28.06
USGS073802516 Barataria Pass at Grand Isle	20.08	31.98	25.10	18.14	13.84	6.42	1.83	1.39	1.22	2.04	1.12	12.00
HWQ14 - Lake Washington	13.83	26.16	20.94	20.61	18.65	7.46	1.79	0.45	0.66	1.04	0.80	9.36
HWQ16 - Bayou Grand Liard	2.38	2.03	-1.90	-0.38	-1.30	1.83	-0.15	-0.70	0.44	-0.25	-1.82	0.99
CRMS 3985	3.84	16.29	26.37	24.23	24.42	7.26	0.97	-9.11	-2.33	-3.59	-6.81	-0.36
CRMS 0258	23.06	30.45	25.87	15.30	13.65	1.95	4.97	6.42	1.07	4.11	-0.58	25.45
CRMS 0224	33.06	49.96	39.98	25.54	22.00	7.02	5.93	5.54	3.12	4.23	1.52	38.29
CRMS 0163	-0.62	-0.16	-0.64	-0.63	-0.15	0.02	0.37	0.46	2.44	3.30	2.23	-0.40
CRMS 0162	-0.33	-0.82	0.08	-0.65	0.13	0.12	1.12	4.27	0.94	3.30	0.91	1.56

Figure WQ TSS 137 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.23	11.07	11.17	17.85	20.17	12.10	9.01	9.14	7.68	8.17	11.57	12.75
CRMS0276 - Just east of Wilkinson Canal	28.34	119.02	75.69	111.40	92.08	49.67	14.62	9.98	14.17	26.46	65.93	67.97
Barataria Waterway at Lafitte (USACE82875)	79.75	175.08	127.24	126.83	121.94	84.30	54.08	46.77	24.32	100.80	127.35	126.77
USGS2928590900040000 Barataria Waterway South of Lafitte	4.06	11.99	11.86	25.97	26.79	15.55	7.86	7.48	6.66	6.69	9.77	12.02
USGS7380251 Barataria Bay North of Grand Isle	10.29	14.81	14.15	13.53	13.55	9.74	15.28	15.65	10.44	14.88	15.53	15.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.32	17.09	15.20	22.54	18.38	11.64	7.99	7.59	6.53	7.28	13.17	14.33
USGS 07380335 - Little Lake Near Cutoff	11.31	32.02	20.85	35.11	26.08	15.44	8.15	7.32	6.46	7.81	18.78	21.31
USGS073802516 Barataria Pass at Grand Isle	8.63	21.05	16.98	28.44	22.97	15.88	9.66	8.36	6.71	7.87	13.70	16.28
HWQ14 - Lake Washington	6.79	8.03	12.14	12.67	10.63	7.61	8.03	8.06	6.43	7.99	9.75	9.46
HWQ16 - Bayou Grand Liard	16.25	63.44	37.30	69.50	47.50	28.34	12.39	11.38	9.99	11.94	32.97	36.42
CRMS 3985	19.41	25.52	21.19	13.16	13.42	10.92	22.66	20.25	10.79	22.87	25.60	27.03
CRMS 0258	8.04	36.64	25.26	56.09	54.29	27.75	10.10	8.14	10.18	10.78	24.19	25.89
CRMS 0224	7.10	26.68	18.34	43.49	36.65	22.66	9.42	8.47	8.59	8.65	13.41	16.75
CRMS 0163	125.34	207.79	177.14	138.08	142.76	91.28	60.53	50.19	29.04	131.39	186.79	160.92
CRMS 0162	104.59	187.06	122.66	109.61	116.45	88.55	52.70	31.69	18.15	76.99	152.95	162.54

V3PR5 HYST - cy 3 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	173.45	256.50	232.76	155.67	198.45	119.65	90.74	56.36	50.44	162.72	199.30	173.05
CRMS0276 - Just east of Wilkinson Canal	28.49	110.63	74.49	113.37	88.79	50.37	16.17	10.49	15.02	27.74	67.52	68.89
Barataria Waterway at Lafitte (USACE82875)	81.72	175.31	130.08	128.04	121.31	84.48	56.08	47.68	29.85	103.83	129.49	129.38
USGS2928590900040000 Barataria Waterway South of Lafitte	43.28	143.13	108.61	53.89	109.32	36.93	36.75	30.91	20.22	43.28	32.63	32.67
USGS7380251 Barataria Bay North of Grand Isle	16.98	77.11	56.05	45.30	64.66	15.91	10.31	11.87	11.27	15.95	19.62	16.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.60	94.41	65.16	53.12	72.65	20.02	12.49	10.72	9.33	14.34	19.39	18.56
USGS 07380335 - Little Lake Near Cutoff	12.51	74.80	48.08	58.47	56.84	20.45	10.96	8.11	6.99	10.59	21.18	22.87
USGS073802516 Barataria Pass at Grand Isle	10.19	57.02	34.55	47.58	36.94	20.64	11.76	8.91	7.18	10.52	16.68	17.70
HWQ14 - Lake Washington	8.27	35.44	22.68	32.65	25.04	12.01	6.38	5.41	6.39	9.48	11.69	10.61
HWQ16 - Bayou Grand Liard	16.68	66.40	40.95	73.03	48.63	30.38	13.05	11.57	8.32	10.60	34.19	38.11
CRMS 3985	19.19	35.52	21.72	31.13	27.23	10.75	6.46	14.35	9.42	18.68	22.19	21.59
CRMS 0258	11.29	54.15	32.81	53.45	63.80	27.95	15.14	13.80	12.07	16.32	26.21	27.84
CRMS 0224	11.01	63.30	39.53	48.93	60.54	25.84	15.41	13.66	10.75	14.87	17.34	18.45
CRMS 0163	125.95	208.75	177.42	139.72	142.09	92.16	62.73	51.51	34.31	134.84	188.08	162.00
CRMS 0162	106.35	185.67	121.22	109.46	118.74	91.00	54.24	33.41	19.24	85.14	153.83	165.44

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	168.22	245.43	221.58	137.83	178.28	107.55	81.73	47.22	42.76	154.55	187.73	160.30
CRMS0276 - Just east of Wilkinson Canal	0.15	-8.38	-1.20	1.96	-3.29	0.70	1.54	0.50	0.85	1.28	1.58	0.92
Barataria Waterway at Lafitte (USACE82875)	1.97	0.23	2.84	1.21	-0.64	0.17	2.01	0.91	5.53	3.03	2.14	2.61
USGS2928590900040000 Barataria Waterway South of Lafitte	39.22	131.14	96.75	27.92	82.53	21.37	28.88	23.43	13.56	36.59	22.86	20.65
USGS7380251 Barataria Bay North of Grand Isle	6.68	62.30	41.90	31.77	51.11	6.16	-4.96	-3.78	0.83	1.06	4.09	0.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.28	77.32	49.95	30.59	54.27	8.39	4.51	3.14	2.80	7.06	6.21	4.23
USGS 07380335 - Little Lake Near Cutoff	1.19	42.78	27.23	23.36	30.76	5.02	2.81	0.78	0.53	2.78	2.39	1.56
USGS073802516 Barataria Pass at Grand Isle	1.56	35.97	17.57	19.14	13.97	4.75	2.10	0.54	0.47	2.65	2.98	1.42
HWQ14 - Lake Washington	1.48	27.40	10.54	19.98	14.40	4.40	-1.65	-2.65	-0.04	1.50	1.94	1.15
HWQ16 - Bayou Grand Liard	0.43	2.96	3.65	3.53	1.13	2.05	0.66	0.19	-1.67	-1.34	1.22	1.69
CRMS 3985	-0.23	10.00	0.53	17.97	13.81	-0.17	-16.21	-5.90	-1.37	-4.20	-3.41	-5.44
CRMS 0258	3.25	17.51	7.55	-2.64	9.51	0.20	5.05	5.66	1.88	5.53	2.03	1.95
CRMS 0224	3.92	36.62	21.19	5.44	23.89	3.18	5.99	5.19	2.17	6.22	3.92	1.70
CRMS 0163	0.61	0.96	0.28	1.63	-0.68	0.88	2.20	1.32	5.27	3.45	1.30	1.09
CRMS 0162	1.77	-1.39	-1.45	-0.15	2.29	2.45	1.54	1.72	1.09	8.15	0.88	2.90

Figure WQ TSS 138 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.20	7.03	10.10	15.50	17.16	14.24	11.84	13.25	11.78	10.42	5.84	6.71
CRMS0276 - Just east of Wilkinson Canal	32.93	77.35	44.74	71.60	73.21	57.32	38.36	32.76	43.41	32.59	27.50	34.69
Barataria Waterway at Lafitte (USACE82875)	70.69	103.97	65.14	85.59	95.61	74.50	77.32	71.49	73.48	76.28	56.94	92.22
USGS2928590900040000 Barataria Waterway South of Lafitte	4.41	8.02	11.47	20.26	22.43	18.93	10.34	10.78	12.97	10.98	5.58	5.31
USGS7380251 Barataria Bay North of Grand Isle	8.42	7.04	7.43	10.24	10.40	9.07	8.77	13.73	14.37	13.40	7.39	10.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.58	13.92	14.11	17.92	15.57	12.43	9.78	9.70	11.03	10.78	8.03	6.94
USGS 07380335 - Little Lake Near Cutoff	11.63	25.20	19.86	26.90	21.75	16.78	13.60	11.78	12.84	12.58	10.28	9.25
USGS073802516 Barataria Pass at Grand Isle	8.33	17.43	15.48	22.21	20.19	17.73	15.36	13.11	10.49	11.82	8.67	8.25
HWQ14 - Lake Washington	5.56	5.53	8.16	9.48	8.77	7.15	5.60	5.80	7.73	8.09	6.35	6.53
HWQ16 - Bayou Grand Liard	20.88	50.15	31.34	46.01	39.65	35.25	26.22	19.63	18.23	13.96	14.62	17.59
CRMS 3985	14.22	8.91	5.26	7.77	7.86	6.74	6.24	19.72	18.78	18.62	9.09	20.37
CRMS 0258	11.39	23.54	22.81	36.71	42.45	41.07	28.27	28.09	29.18	20.19	8.20	10.83
CRMS 0224	6.88	19.49	17.67	29.90	29.09	25.29	13.53	13.15	19.77	15.83	8.25	6.30
CRMS 0163	98.59	124.91	89.71	96.85	113.88	82.59	85.87	90.49	88.03	90.95	78.74	132.44
CRMS 0162	96.25	122.00	76.81	90.03	98.07	89.24	115.50	104.85	69.70	65.80	50.37	119.40

V3PR5 HYST - cy 3 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.72	186.37	150.53	152.22	180.05	143.52	154.68	131.02	105.37	114.87	93.79	151.56
CRMS0276 - Just east of Wilkinson Canal	36.63	67.59	38.62	69.66	66.94	51.12	36.54	36.07	46.34	34.25	26.78	35.17
Barataria Waterway at Lafitte (USACE82875)	69.39	103.09	63.81	84.91	95.03	73.24	74.21	70.17	76.64	78.86	57.49	94.94
USGS2928590900040000 Barataria Waterway South of Lafitte	98.04	131.09	90.44	99.70	120.83	95.86	103.67	69.99	31.53	38.44	18.60	28.62
USGS7380251 Barataria Bay North of Grand Isle	46.68	70.30	47.08	60.54	73.48	53.32	54.28	36.50	15.22	12.73	10.23	11.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	55.06	81.77	56.98	65.93	74.75	60.66	66.37	46.85	18.18	16.29	11.17	11.05
USGS 07380335 - Little Lake Near Cutoff	36.61	63.28	42.42	56.47	59.96	48.81	50.42	34.85	17.79	15.38	11.17	10.52
USGS073802516 Barataria Pass at Grand Isle	26.45	45.24	28.58	41.69	36.87	30.97	31.41	26.70	14.91	14.33	9.75	9.00
HWQ14 - Lake Washington	18.21	31.39	19.02	31.96	28.51	24.34	21.42	16.54	9.20	8.95	7.14	6.56
HWQ16 - Bayou Grand Liard	22.88	48.64	30.25	47.18	41.09	36.38	27.08	21.43	20.79	15.07	14.15	17.21
CRMS 3985	19.50	29.53	18.62	31.43	35.11	28.26	26.16	18.28	8.77	10.28	11.14	17.31
CRMS 0258	36.89	46.87	31.51	48.63	61.19	57.79	67.50	52.55	31.68	24.30	8.09	11.48
CRMS 0224	43.03	57.07	36.55	52.52	59.90	55.07	63.44	46.69	24.06	20.02	9.65	8.48
CRMS 0163	97.44	124.43	88.66	96.29	112.70	81.21	83.28	91.38	91.36	94.18	77.80	133.80
CRMS 0162	96.06	121.19	75.36	89.41	98.45	88.87	115.79	107.90	75.70	74.02	50.15	123.75

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	153.52	179.33	140.43	136.72	162.89	129.28	142.84	117.77	93.59	104.45	87.94	144.86
CRMS0276 - Just east of Wilkinson Canal	3.70	-9.76	-6.12	-1.94	-6.27	-6.20	-1.82	3.31	2.93	1.66	-0.72	0.48
Barataria Waterway at Lafitte (USACE82875)	-1.30	-0.88	-1.33	-0.68	-0.57	-1.27	-3.12	-1.32	3.16	2.58	0.54	2.72
USGS2928590900040000 Barataria Waterway South of Lafitte	93.63	123.06	78.96	79.44	98.40	76.93	93.33	59.22	18.56	27.46	13.01	23.31
USGS7380251 Barataria Bay North of Grand Isle	38.27	63.25	39.64	50.31	63.08	44.25	45.51	22.76	0.85	-0.67	2.84	0.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.49	67.85	42.88	48.00	59.18	48.24	56.60	37.15	7.15	5.51	3.14	4.11
USGS 07380335 - Little Lake Near Cutoff	24.98	38.08	22.55	29.57	38.21	32.03	36.82	23.07	4.95	2.80	0.89	1.27
USGS073802516 Barataria Pass at Grand Isle	18.12	27.81	13.10	19.48	16.68	13.24	16.05	13.58	4.42	2.52	1.07	0.75
HWQ14 - Lake Washington	12.65	25.85	10.85	22.49	19.74	17.19	15.82	10.74	1.47	0.85	0.80	0.03
HWQ16 - Bayou Grand Liard	2.00	-1.51	-1.09	1.17	1.44	1.13	0.86	1.80	2.57	1.11	-0.47	-0.38
CRMS 3985	5.28	20.62	13.36	23.66	27.26	21.52	19.92	-1.44	-10.01	-8.34	2.05	-3.06
CRMS 0258	25.49	23.33	8.71	11.91	18.74	16.72	39.23	24.46	2.50	4.11	-0.11	0.64
CRMS 0224	36.15	37.57	18.88	22.62	30.81	29.78	49.90	33.54	4.29	4.19	1.40	2.18
CRMS 0163	-1.15	-0.47	-1.06	-0.56	-1.18	-1.38	-2.59	0.89	3.33	3.23	-0.95	1.36
CRMS 0162	-0.19	-0.80	-1.45	-0.62	0.38	-0.37	0.29	3.05	6.00	8.22	-0.22	4.36

Figure WQ TSS 139 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.81	3.23	14.35	22.52	23.58	14.89	10.72	11.13	9.41	9.16	5.61	13.45
CRMS0276 - Just east of Wilkinson Canal	57.64	42.38	109.58	105.05	117.47	41.29	25.92	23.58	33.91	27.10	27.16	111.23
Barataria Waterway at Lafitte (USACE82875)	99.14	91.22	181.79	129.80	150.34	50.73	54.22	56.78	59.79	60.58	58.31	189.45
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	3.72	12.09	29.87	32.95	19.42	9.39	8.90	10.08	9.67	5.09	11.86
USGS7380251 Barataria Bay North of Grand Isle	11.85	5.07	17.48	16.23	13.15	9.37	8.11	9.93	11.47	11.69	9.12	16.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.18	9.21	18.28	28.36	23.57	14.14	8.36	8.71	8.97	9.56	8.44	13.80
USGS 07380335 - Little Lake Near Cutoff	27.09	14.72	27.83	42.02	35.48	18.12	10.45	9.56	10.07	10.96	11.58	25.28
USGS073802516 Barataria Pass at Grand Isle	18.83	10.58	20.78	34.35	31.77	19.06	12.66	11.46	8.61	10.50	8.62	18.43
HWQ14 - Lake Washington	9.24	4.64	12.32	15.70	11.84	8.70	5.46	5.46	6.21	7.22	6.32	7.90
HWQ16 - Bayou Grand Liard	40.19	23.52	68.65	72.03	77.48	31.10	16.03	13.47	13.69	12.12	16.14	59.43
CRMS 3985	19.36	9.10	29.78	14.30	10.10	6.89	5.03	10.99	14.78	15.81	14.97	30.20
CRMS 0258	14.48	10.93	40.03	52.36	63.95	32.55	22.20	22.19	22.17	18.29	8.34	33.98
CRMS 0224	16.30	12.14	21.13	45.35	47.47	24.32	11.40	11.64	16.21	14.25	7.75	17.18
CRMS 0163	123.22	114.85	238.19	148.92	169.71	51.31	59.80	69.63	71.58	64.50	93.10	242.58
CRMS 0162	125.98	90.49	221.88	138.29	163.09	60.32	79.38	75.70	47.37	36.32	59.20	245.13

V3PR5 HYST - cy 3 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.02	136.64	346.93	222.92	246.11	107.35	113.41	88.18	86.95	84.16	129.57	338.64
CRMS0276 - Just east of Wilkinson Canal	60.55	41.64	91.67	100.80	111.25	37.88	26.84	26.91	35.52	28.18	25.65	92.01
Barataria Waterway at Lafitte (USACE82875)	99.32	91.49	181.06	128.62	151.52	50.57	52.44	57.27	61.19	62.33	59.46	187.71
USGS2928590900040000 Barataria Waterway South of Lafitte	38.88	22.70	243.06	157.95	185.11	66.72	73.79	38.66	28.93	33.13	31.65	243.18
USGS7380251 Barataria Bay North of Grand Isle	25.87	12.41	131.94	94.04	107.10	36.37	40.90	18.07	13.02	11.70	13.95	129.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	38.80	13.72	162.71	100.16	115.81	39.96	47.54	20.02	14.33	14.45	11.20	161.52
USGS 07380335 - Little Lake Near Cutoff	44.07	16.45	124.20	83.16	97.63	34.44	35.57	16.34	12.94	13.18	10.41	115.93
USGS073802516 Barataria Pass at Grand Isle	35.45	12.48	70.86	58.69	60.15	26.01	23.40	17.36	10.99	12.64	9.13	73.36
HWQ14 - Lake Washington	23.74	8.23	43.32	46.14	45.79	21.63	16.30	10.18	7.24	8.23	6.92	43.15
HWQ16 - Bayou Grand Liard	45.26	23.70	70.29	70.89	74.38	29.79	17.83	14.89	15.18	12.67	14.43	61.71
CRMS 3985	25.28	16.93	58.65	48.08	55.62	23.85	19.88	9.87	9.38	9.45	12.37	51.17
CRMS 0258	27.33	10.93	95.56	69.44	92.33	41.78	51.20	32.32	23.74	21.83	8.35	93.43
CRMS 0224	36.38	13.46	108.82	77.35	93.22	38.31	48.36	23.12	19.11	17.80	8.67	106.15
CRMS 0163	122.69	114.36	237.06	148.07	171.65	51.60	58.94	71.24	73.52	66.99	94.22	241.91
CRMS 0162	127.11	96.23	218.64	137.00	166.85	60.53	79.37	78.25	51.97	41.78	59.84	246.10

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.20	133.42	332.58	200.39	222.53	92.46	102.70	77.05	77.54	74.99	123.96	325.19
CRMS0276 - Just east of Wilkinson Canal	2.91	-0.74	-17.91	-4.24	-6.22	-3.41	0.92	3.34	1.61	1.09	-1.51	-19.22
Barataria Waterway at Lafitte (USACE82875)	0.18	0.27	-0.74	-1.18	1.18	-0.16	-1.79	0.49	1.40	1.75	1.15	-1.74
USGS2928590900040000 Barataria Waterway South of Lafitte	32.02	18.99	230.97	128.08	152.16	47.29	64.40	29.76	18.85	23.46	26.56	231.32
USGS7380251 Barataria Bay North of Grand Isle	14.02	7.34	114.46	77.81	93.94	27.00	32.79	8.14	1.55	0.01	4.83	112.95
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.62	4.50	144.43	71.80	92.25	25.82	39.18	11.31	5.36	4.89	2.76	147.72
USGS 07380335 - Little Lake Near Cutoff	16.99	1.73	96.37	41.14	62.15	16.32	25.12	6.78	2.87	2.22	-1.17	90.65
USGS073802516 Barataria Pass at Grand Isle	16.63	1.90	50.07	24.34	28.38	6.95	10.74	5.90	2.38	2.14	0.50	54.93
HWQ14 - Lake Washington	14.50	3.59	31.00	30.45	33.95	12.93	10.85	4.72	1.03	1.02	0.60	35.25
HWQ16 - Bayou Grand Liard	5.08	0.18	1.64	-1.14	-3.10	-1.32	1.80	1.42	1.49	0.55	-1.71	2.29
CRMS 3985	5.93	7.83	28.86	33.78	45.51	16.96	14.85	-1.12	-5.39	-6.36	-2.60	20.97
CRMS 0258	12.85	0.00	55.54	17.08	28.38	9.23	29.00	10.13	1.57	3.54	0.00	59.45
CRMS 0224	20.09	1.32	87.69	32.00	45.75	13.99	36.96	11.47	2.90	3.55	0.92	88.97
CRMS 0163	-0.53	-0.49	-1.13	-0.85	1.94	0.29	-0.85	1.60	1.93	2.49	1.12	-0.67
CRMS 0162	1.13	5.73	-3.24	-1.29	3.76	0.21	-0.01	2.55	4.60	5.46	0.64	0.98

Figure WQ TSS 140 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.38	9.62	11.92	18.59	17.99	13.89	9.62	8.70	8.35	8.52	7.49	10.02
CRMS0276 - Just east of Wilkinson Canal	65.92	99.81	58.80	100.13	72.24	64.90	23.16	12.19	19.12	26.04	50.73	52.21
Barataria Waterway at Lafitte (USACE82875)	113.71	139.95	91.74	115.88	93.00	77.45	51.96	46.30	47.73	82.77	101.35	106.90
USGS2928590900040000 Barataria Waterway South of Lafitte	5.77	9.57	12.81	25.00	23.73	18.29	9.35	7.53	7.76	7.62	6.43	8.49
USGS7380251 Barataria Bay North of Grand Isle	5.94	11.25	10.28	12.30	11.00	9.20	7.83	11.36	11.20	13.61	13.74	10.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.76	14.79	16.02	23.07	17.31	12.57	8.81	7.14	7.06	7.83	10.75	11.04
USGS 07380335 - Little Lake Near Cutoff	21.56	27.44	22.81	36.46	23.90	17.65	10.95	7.07	6.56	8.27	14.74	15.76
USGS073802516 Barataria Pass at Grand Isle	14.04	19.19	17.72	28.92	22.34	19.18	13.32	8.87	6.88	8.69	11.33	12.56
HWQ14 - Lake Washington	4.13	6.67	9.95	11.45	9.92	7.42	5.54	5.18	6.20	7.29	8.76	8.07
HWQ16 - Bayou Grand Liard	38.85	61.96	37.91	67.55	43.19	41.53	15.53	12.82	8.86	10.73	25.01	25.54
CRMS 3985	9.45	19.59	9.32	9.80	8.32	6.99	5.67	15.49	14.12	21.09	23.39	13.48
CRMS 0258	15.77	31.09	29.69	48.10	44.24	40.24	16.67	9.66	14.57	12.76	12.01	13.76
CRMS 0224	12.27	21.74	20.19	40.31	31.43	25.27	12.22	9.52	10.30	10.35	10.52	11.72
CRMS 0163	128.18	173.95	127.38	126.85	114.75	81.16	58.08	54.25	51.24	111.25	153.93	152.05
CRMS 0162	127.64	158.56	102.96	121.70	106.13	87.42	70.11	38.30	26.08	83.54	119.75	144.73

V3PR6 HYST - cy 3 - 2002 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	153.30	251.08	184.18	197.09	191.35	143.89	81.89	69.58	68.65	148.82	175.06	212.75
CRMS0276 - Just east of Wilkinson Canal	68.15	90.74	51.32	93.04	67.59	55.80	23.83	14.27	21.51	28.23	53.33	50.20
Barataria Waterway at Lafitte (USACE82875)	107.60	135.29	89.82	113.32	89.70	75.36	50.87	47.56	50.55	86.08	106.90	106.03
USGS2928590900040000 Barataria Waterway South of Lafitte	78.35	191.76	102.36	160.10	151.08	108.99	41.78	34.93	28.07	39.42	25.64	92.26
USGS7380251 Barataria Bay North of Grand Isle	66.09	138.40	76.32	114.73	108.65	76.55	21.31	12.78	12.09	14.12	14.31	50.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	76.27	161.72	88.72	124.57	118.27	84.98	27.84	13.90	12.58	15.40	16.15	62.99
USGS 07380335 - Little Lake Near Cutoff	76.91	130.14	68.12	108.02	98.67	71.50	25.09	10.31	9.68	11.93	17.51	45.72
USGS073802516 Barataria Pass at Grand Isle	63.49	89.01	44.40	72.97	57.93	46.22	22.20	11.01	8.11	10.98	13.69	21.03
HWQ14 - Lake Washington	43.03	59.03	28.35	59.07	45.99	39.69	15.23	7.11	6.51	8.21	9.04	14.86
HWQ16 - Bayou Grand Liard	58.10	79.07	41.67	79.18	55.90	47.40	16.52	12.42	9.18	10.52	26.88	27.49
CRMS 3985	42.03	65.72	33.11	67.09	59.33	47.21	13.28	6.59	11.62	16.53	13.99	27.45
CRMS 0258	55.14	89.23	45.57	82.44	77.06	62.98	27.19	14.49	15.93	17.10	12.64	31.01
CRMS 0224	65.81	113.43	53.77	93.53	86.06	65.75	29.45	15.62	14.51	16.19	13.71	41.98
CRMS 0163	126.92	171.75	126.87	125.15	111.96	79.72	59.04	56.55	53.99	116.08	157.51	148.73
CRMS 0162	128.91	154.38	101.21	119.57	104.17	85.48	71.26	40.47	26.36	90.43	121.52	143.69

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	146.92	241.47	172.26	178.50	173.36	130.01	72.27	60.88	60.30	140.29	167.56	202.73
CRMS0276 - Just east of Wilkinson Canal	2.23	-9.07	-7.48	-7.09	-4.65	-9.10	0.67	2.08	2.40	2.19	2.61	-2.01
Barataria Waterway at Lafitte (USACE82875)	-6.11	-4.66	-1.92	-2.56	-3.31	-2.08	-1.09	1.25	2.82	3.31	5.54	-0.87
USGS2928590900040000 Barataria Waterway South of Lafitte	72.58	182.20	89.55	135.11	127.35	90.70	32.43	27.39	20.31	31.80	19.21	83.77
USGS7380251 Barataria Bay North of Grand Isle	60.15	127.15	66.04	102.43	97.65	67.35	13.48	1.42	0.89	0.52	0.57	39.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	64.51	146.94	72.70	101.50	100.96	72.40	19.03	6.76	5.52	7.57	5.40	51.95
USGS 07380335 - Little Lake Near Cutoff	55.35	102.70	45.31	71.56	74.78	53.85	14.13	3.24	3.11	3.66	2.77	29.96
USGS073802516 Barataria Pass at Grand Isle	49.46	69.82	26.67	44.05	35.59	27.04	8.88	2.14	1.23	2.29	2.36	8.47
HWQ14 - Lake Washington	38.90	52.36	18.39	47.62	36.07	32.27	9.69	1.93	0.31	0.92	0.28	6.79
HWQ16 - Bayou Grand Liard	19.25	17.12	3.76	11.62	12.71	5.88	1.00	-0.40	0.31	-0.21	1.87	1.95
CRMS 3985	32.57	46.13	23.80	57.29	51.01	40.22	7.61	-8.90	-2.50	-4.56	-9.40	13.98
CRMS 0258	39.37	58.14	15.88	34.34	32.82	22.74	10.52	4.83	1.35	4.35	0.63	17.25
CRMS 0224	53.54	91.69	33.58	53.22	54.63	40.49	17.23	6.10	4.20	5.83	3.19	30.26
CRMS 0163	-1.26	-2.20	-0.51	-1.70	-2.79	-1.45	0.97	2.30	2.75	4.83	3.58	-3.32
CRMS 0162	1.27	-4.18	-1.75	-2.13	-1.97	-1.93	1.15	2.16	0.28	6.90	1.77	-1.04

Figure WQ TSS 141 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.83	9.06	11.71	15.84	17.38	12.12	9.23	9.12	8.82	8.52	6.00	12.17
CRMS0276 - Just east of Wilkinson Canal	52.64	85.05	72.61	65.66	61.95	33.49	18.76	15.92	23.62	21.23	40.01	74.57
Barataria Waterway at Lafitte (USACE82875)	91.87	122.23	102.00	85.22	74.50	51.26	60.21	57.16	60.20	54.65	85.17	146.12
USGS2928590900040000 Barataria Waterway South of Lafitte	6.70	9.80	13.48	20.10	23.12	14.54	8.55	7.69	8.37	8.23	4.95	9.39
USGS7380251 Barataria Bay North of Grand Isle	12.35	9.87	8.96	10.45	10.23	8.35	7.48	12.54	12.49	11.80	11.37	15.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.09	15.46	18.54	18.28	16.89	10.08	7.42	7.23	7.95	8.26	9.51	11.19
USGS 07380335 - Little Lake Near Cutoff	20.28	26.83	28.51	26.31	23.44	12.26	8.38	6.91	7.82	8.86	13.62	17.86
USGS073802516 Barataria Pass at Grand Isle	14.18	18.46	21.13	22.71	22.27	13.63	10.33	8.92	7.63	9.07	9.56	13.58
HWQ14 - Lake Washington	8.38	7.04	9.31	10.09	9.43	6.87	5.15	5.32	6.77	7.13	7.25	8.29
HWQ16 - Bayou Grand Liard	32.18	52.44	54.71	44.31	43.42	18.44	10.16	13.22	9.93	10.53	20.13	35.77
CRMS 3985	21.25	14.40	6.83	7.90	7.62	6.09	5.64	18.36	16.86	15.96	19.77	28.44
CRMS 0258	18.47	30.31	29.48	34.17	39.92	28.22	16.59	10.23	17.09	14.08	8.78	28.83
CRMS 0224	12.45	22.46	23.52	28.32	30.59	17.56	10.11	9.81	12.31	11.25	8.56	13.27
CRMS 0163	114.58	152.33	124.84	103.35	83.00	52.02	70.42	66.14	71.09	65.94	130.60	197.00
CRMS 0162	120.82	148.13	125.07	99.18	82.20	56.05	91.86	62.67	36.73	34.71	86.93	197.42

V3PR6 HYST - cy 3 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.28	234.41	200.66	176.65	147.54	76.57	99.47	86.71	88.91	97.20	154.06	267.28
CRMS0276 - Just east of Wilkinson Canal	51.25	76.78	61.97	60.08	60.06	32.74	18.71	17.45	26.20	23.42	38.17	71.07
Barataria Waterway at Lafitte (USACE82875)	90.18	117.47	97.08	82.22	73.07	51.02	60.10	57.76	62.33	58.24	89.26	147.08
USGS2928590900040000 Barataria Waterway South of Lafitte	82.65	183.32	163.09	140.07	115.45	37.41	42.07	38.78	31.07	32.00	21.75	132.88
USGS7380251 Barataria Bay North of Grand Isle	61.87	129.09	113.92	95.77	77.96	22.35	12.97	12.46	12.96	11.12	11.87	86.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.53	150.11	127.20	104.97	84.54	25.84	15.13	14.12	13.81	13.85	12.44	108.26
USGS 07380335 - Little Lake Near Cutoff	66.88	120.80	107.16	86.75	72.10	25.17	12.76	10.14	11.06	11.45	12.76	80.82
USGS073802516 Barataria Pass at Grand Isle	50.27	78.08	68.89	55.35	49.02	22.89	12.59	10.31	8.59	10.77	10.12	42.13
HWQ14 - Lake Washington	28.02	54.20	49.42	44.41	41.08	17.46	7.37	5.98	6.70	7.39	6.93	25.09
HWQ16 - Bayou Grand Liard	39.70	68.78	66.06	54.68	49.16	21.77	10.23	12.80	10.92	10.36	18.48	41.69
CRMS 3985	29.14	61.42	60.93	51.40	46.31	15.66	6.89	6.00	13.42	8.99	11.30	32.08
CRMS 0258	49.54	86.40	78.66	64.08	57.62	30.74	20.81	15.21	18.01	17.82	7.95	68.92
CRMS 0224	61.29	106.71	92.04	75.25	62.36	27.25	17.16	16.18	16.33	15.80	9.96	76.30
CRMS 0163	114.18	149.98	123.00	101.13	81.77	52.23	70.99	68.10	74.41	70.53	133.54	200.35
CRMS 0162	120.71	145.78	122.56	96.78	80.70	55.93	93.41	65.76	37.63	38.41	88.84	203.89

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	155.45	225.35	188.95	160.81	130.16	64.44	90.23	77.59	80.10	88.68	148.06	255.11
CRMS0276 - Just east of Wilkinson Canal	-1.39	-8.27	-10.64	-5.58	-1.89	-0.76	-0.05	1.53	2.58	2.19	-1.83	-3.50
Barataria Waterway at Lafitte (USACE82875)	-1.69	-4.75	-4.92	-3.00	-1.44	-0.24	-0.11	0.60	2.13	3.60	4.09	0.96
USGS2928590900040000 Barataria Waterway South of Lafitte	75.95	173.52	149.61	119.97	92.33	22.87	33.52	31.10	22.69	23.77	16.80	123.49
USGS7380251 Barataria Bay North of Grand Isle	49.52	119.22	104.97	85.33	67.73	13.99	5.48	-0.08	0.47	-0.68	0.50	70.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	72.44	134.65	108.67	86.69	67.65	15.76	7.71	6.89	5.87	5.59	2.93	97.06
USGS 07380335 - Little Lake Near Cutoff	46.60	93.97	78.66	60.44	48.66	12.91	4.38	3.23	3.25	2.59	-0.87	62.96
USGS073802516 Barataria Pass at Grand Isle	36.10	59.62	47.76	32.64	26.75	9.26	2.26	1.39	0.96	1.70	0.56	28.55
HWQ14 - Lake Washington	19.63	47.16	40.11	34.32	31.65	10.59	2.22	0.66	-0.07	0.26	-0.32	16.81
HWQ16 - Bayou Grand Liard	7.52	16.34	11.35	10.38	5.74	3.34	0.07	-0.42	0.98	-0.17	-1.65	5.92
CRMS 3985	7.90	47.02	54.10	43.50	38.69	9.57	1.25	-12.36	-3.43	-6.97	-8.47	3.64
CRMS 0258	31.07	56.09	49.18	29.92	17.70	2.51	4.21	4.98	0.92	3.74	-0.83	40.09
CRMS 0224	48.84	84.25	68.52	46.93	31.77	9.69	7.05	6.37	4.01	4.55	1.40	63.03
CRMS 0163	-0.41	-2.35	-1.84	-2.23	-1.23	0.21	0.57	1.96	3.32	4.59	2.94	3.35
CRMS 0162	-0.11	-2.35	-2.51	-2.40	-1.50	-0.12	1.55	3.09	0.90	3.69	1.91	6.47

Figure WQ TSS 142 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.23	11.07	11.17	17.85	20.17	12.10	9.01	9.14	7.68	8.17	11.57	12.75
CRMS0276 - Just east of Wilkinson Canal	28.34	119.02	75.69	111.40	92.08	49.67	14.62	9.98	14.17	26.46	65.93	67.97
Barataria Waterway at Lafitte (USACE82875)	79.75	175.08	127.24	126.83	121.94	84.30	54.08	46.77	24.32	100.80	127.35	126.77
USGS2928590900040000 Barataria Waterway South of Lafitte	4.06	11.99	11.86	25.97	26.79	15.55	7.86	7.48	6.66	6.69	9.77	12.02
USGS7380251 Barataria Bay North of Grand Isle	10.29	14.81	14.15	13.53	13.55	9.74	15.28	15.65	10.44	14.88	15.53	15.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.32	17.09	15.20	22.54	18.38	11.64	7.99	7.59	6.53	7.28	13.17	14.33
USGS 07380335 - Little Lake Near Cutoff	11.31	32.02	20.85	35.11	26.08	15.44	8.15	7.32	6.46	7.81	18.78	21.31
USGS073802516 Barataria Pass at Grand Isle	8.63	21.05	16.98	28.44	22.97	15.88	9.66	8.36	6.71	7.87	13.70	16.28
HWQ14 - Lake Washington	6.79	8.03	12.14	12.67	10.63	7.61	8.03	8.06	6.43	7.99	9.75	9.46
HWQ16 - Bayou Grand Liard	16.25	63.44	37.30	69.50	47.50	28.34	12.39	11.38	9.99	11.94	32.97	36.42
CRMS 3985	19.41	25.52	21.19	13.16	13.42	10.92	22.66	20.25	10.79	22.87	25.60	27.03
CRMS 0258	8.04	36.64	25.26	56.09	54.29	27.75	10.10	8.14	10.18	10.78	24.19	25.89
CRMS 0224	7.10	26.68	18.34	43.49	36.65	22.66	9.42	8.47	8.59	8.65	13.41	16.75
CRMS 0163	125.34	207.79	177.14	138.08	142.76	91.28	60.53	50.19	29.04	131.39	186.79	160.92
CRMS 0162	104.59	187.06	122.66	109.61	116.45	88.55	52.70	31.69	18.15	76.99	152.95	162.54

V3PR6 HYST - cy 3 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	177.65	265.84	238.73	158.38	203.18	120.26	91.67	57.08	50.22	164.92	204.04	177.44
CRMS0276 - Just east of Wilkinson Canal	29.22	109.09	72.85	112.60	86.14	49.32	16.05	10.58	15.27	29.93	70.14	71.16
Barataria Waterway at Lafitte (USACE82875)	83.42	174.99	128.98	129.00	119.74	84.96	55.92	48.14	29.97	105.80	133.79	131.85
USGS2928590900040000 Barataria Waterway South of Lafitte	39.80	150.92	122.31	50.36	104.68	33.30	34.95	30.48	20.96	39.05	29.13	27.58
USGS7380251 Barataria Bay North of Grand Isle	19.52	110.61	88.84	51.13	87.52	16.19	10.19	10.18	10.11	14.53	17.10	14.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.45	142.72	99.61	61.85	107.01	21.26	13.48	11.55	9.63	15.33	19.27	18.24
USGS 07380335 - Little Lake Near Cutoff	12.72	113.36	75.72	68.73	86.30	22.62	12.02	8.91	7.78	11.72	22.03	22.58
USGS073802516 Barataria Pass at Grand Isle	9.87	82.41	50.46	58.98	48.49	21.44	11.69	8.53	6.69	10.17	16.63	17.34
HWQ14 - Lake Washington	5.59	50.58	30.78	41.42	32.81	13.25	6.42	5.15	5.74	8.44	10.25	9.54
HWQ16 - Bayou Grand Liard	16.63	76.18	46.50	79.59	52.39	30.39	12.78	11.80	8.42	11.16	35.91	39.20
CRMS 3985	12.87	43.63	35.69	39.27	39.15	11.84	5.58	8.43	8.16	17.59	15.48	18.83
CRMS 0258	10.72	72.10	44.16	56.11	69.30	25.62	13.29	11.65	11.40	15.11	27.54	28.91
CRMS 0224	11.48	95.77	59.82	54.66	75.47	25.12	15.30	13.46	11.01	15.24	17.44	18.20
CRMS 0163	127.81	210.81	178.72	140.12	141.12	93.17	63.02	52.84	34.48	138.40	191.20	165.22
CRMS 0162	107.07	186.18	116.72	111.51	115.10	93.88	54.79	32.83	19.21	94.61	156.30	168.16

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	172.42	254.77	227.56	140.53	183.01	108.16	82.66	47.94	42.54	156.75	192.48	164.69
CRMS0276 - Just east of Wilkinson Canal	0.88	-9.93	-2.84	1.19	-5.94	-0.35	1.43	0.60	1.10	3.46	4.21	3.19
Barataria Waterway at Lafitte (USACE82875)	3.67	-0.09	1.74	2.18	-2.20	0.65	1.84	1.37	5.65	5.00	6.44	5.08
USGS2928590900040000 Barataria Waterway South of Lafitte	35.74	138.93	110.45	24.38	77.89	17.75	27.09	23.00	14.31	32.36	19.36	15.55
USGS7380251 Barataria Bay North of Grand Isle	9.23	95.79	74.70	37.60	73.98	6.45	-5.09	-5.47	-0.33	-0.35	1.57	-0.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	14.12	125.63	84.40	39.32	88.63	9.63	5.50	3.96	3.10	8.05	6.10	3.90
USGS 07380335 - Little Lake Near Cutoff	1.41	81.34	54.87	33.62	60.23	7.18	3.87	1.58	1.32	3.91	3.24	1.27
USGS073802516 Barataria Pass at Grand Isle	1.24	61.36	33.49	30.54	25.52	5.56	2.03	0.16	-0.02	2.30	2.93	1.07
HWQ14 - Lake Washington	-1.20	42.54	18.64	28.75	22.17	5.64	-1.62	-2.91	-0.69	0.45	0.51	0.08
HWQ16 - Bayou Grand Liard	0.38	12.74	9.19	10.09	4.90	2.05	0.39	0.42	-1.57	-0.79	2.94	2.78
CRMS 3985	-6.55	18.11	14.50	26.11	25.73	0.92	-17.08	-11.82	-2.62	-5.28	-10.12	-8.20
CRMS 0258	2.68	35.46	18.91	0.03	15.01	-2.13	3.19	3.51	1.22	4.33	3.36	3.02
CRMS 0224	4.38	69.09	41.48	11.16	38.81	2.47	5.87	4.99	2.42	6.59	4.03	1.44
CRMS 0163	2.47	3.02	1.58	2.04	-1.64	1.88	2.49	2.65	5.44	7.00	4.42	4.30
CRMS 0162	2.48	-0.89	-5.94	1.90	-1.35	5.32	2.09	1.15	1.06	17.62	3.35	5.62

Figure WQ TSS 143 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.20	7.03	10.10	15.50	17.16	14.24	11.84	13.25	11.78	10.42	5.84	6.71
CRMS0276 - Just east of Wilkinson Canal	32.93	77.35	44.74	71.60	73.21	57.32	38.36	32.76	43.41	32.59	27.50	34.69
Barataria Waterway at Lafitte (USACE82875)	70.69	103.97	65.14	85.59	95.61	74.50	77.32	71.49	73.48	76.28	56.94	92.22
USGS2928590900040000 Barataria Waterway South of Lafitte	4.41	8.02	11.47	20.26	22.43	18.93	10.34	10.78	12.97	10.98	5.58	5.31
USGS7380251 Barataria Bay North of Grand Isle	8.42	7.04	7.43	10.24	10.40	9.07	8.77	13.73	14.37	13.40	7.39	10.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.58	13.92	14.11	17.92	15.57	12.43	9.78	9.70	11.03	10.78	8.03	6.94
USGS 07380335 - Little Lake Near Cutoff	11.63	25.20	19.86	26.90	21.75	16.78	13.60	11.78	12.84	12.58	10.28	9.25
USGS073802516 Barataria Pass at Grand Isle	8.33	17.43	15.48	22.21	20.19	17.73	15.36	13.11	10.49	11.82	8.67	8.25
HWQ14 - Lake Washington	5.56	5.53	8.16	9.48	8.77	7.15	5.60	5.80	7.73	8.09	6.35	6.53
HWQ16 - Bayou Grand Liard	20.88	50.15	31.34	46.01	39.65	35.25	26.22	19.63	18.23	13.96	14.62	17.59
CRMS 3985	14.22	8.91	5.26	7.77	7.86	6.74	6.24	19.72	18.78	18.62	9.09	20.37
CRMS 0258	11.39	23.54	22.81	36.71	42.45	41.07	28.27	28.09	29.18	20.19	8.20	10.83
CRMS 0224	6.88	19.49	17.67	29.90	29.09	25.29	13.53	13.15	19.77	15.83	8.25	6.30
CRMS 0163	98.59	124.91	89.71	96.85	113.88	82.59	85.87	90.49	88.03	90.95	78.74	132.44
CRMS 0162	96.25	122.00	76.81	90.03	98.07	89.24	115.50	104.85	69.70	65.80	50.37	119.40

V3PR6 HYST - cy 3 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.61	193.08	156.24	157.87	185.67	148.26	159.23	133.18	106.06	116.92	95.71	153.04
CRMS0276 - Just east of Wilkinson Canal	42.28	64.18	37.97	68.69	66.13	50.84	48.11	41.36	46.62	35.70	27.89	35.72
Barataria Waterway at Lafitte (USACE82875)	67.98	100.17	61.43	84.02	93.10	71.08	70.41	68.50	77.36	79.27	58.84	95.58
USGS2928590900040000 Barataria Waterway South of Lafitte	115.13	154.19	107.67	116.81	140.84	106.98	112.47	69.24	31.86	34.97	16.34	24.21
USGS7380251 Barataria Bay North of Grand Isle	74.20	107.42	73.93	84.71	104.05	75.88	78.93	47.47	14.76	12.34	9.91	11.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	91.12	121.74	88.07	94.36	111.45	86.44	96.56	60.90	19.17	16.92	11.24	11.38
USGS 07380335 - Little Lake Near Cutoff	65.64	99.35	67.95	80.50	91.14	70.03	76.08	49.46	19.46	16.26	11.71	10.51
USGS073802516 Barataria Pass at Grand Isle	45.85	67.87	42.12	54.63	52.66	42.69	45.10	35.91	15.74	14.20	9.60	8.71
HWQ14 - Lake Washington	27.44	49.61	27.70	43.40	42.10	35.00	32.56	23.71	9.80	8.61	6.83	6.49
HWQ16 - Bayou Grand Liard	30.52	60.88	36.03	56.35	51.48	41.92	33.91	24.88	21.40	15.62	14.80	17.00
CRMS 3985	31.38	55.69	33.13	47.42	55.46	43.12	43.78	28.28	9.47	9.90	10.38	19.57
CRMS 0258	49.98	71.37	43.72	59.21	71.75	65.36	72.39	56.09	31.16	23.40	8.13	11.64
CRMS 0224	62.90	87.45	55.27	68.73	80.16	67.31	74.19	52.65	23.88	19.89	9.87	8.44
CRMS 0163	95.90	122.94	87.84	95.23	111.13	80.05	81.88	91.79	92.40	95.69	78.36	135.33
CRMS 0162	94.79	119.11	74.48	88.55	96.65	88.04	115.73	108.59	75.58	76.42	49.43	124.62

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.41	186.05	146.14	142.37	168.52	134.01	147.39	119.93	94.28	106.49	89.86	146.33
CRMS0276 - Just east of Wilkinson Canal	9.35	-13.18	-6.77	-2.91	-7.07	-6.48	9.75	8.60	3.21	3.11	0.39	1.03
Barataria Waterway at Lafitte (USACE82875)	-2.70	-3.80	-3.70	-1.57	-2.50	-3.42	-6.92	-2.99	3.88	2.99	1.90	3.36
USGS2928590900040000 Barataria Waterway South of Lafitte	110.72	146.17	96.19	96.55	118.41	88.06	102.13	58.46	18.89	23.99	10.76	18.90
USGS7380251 Barataria Bay North of Grand Isle	65.78	100.38	66.50	74.47	93.65	66.81	70.16	33.73	0.40	-1.06	2.52	0.64
USGS73802515 Hackberry Bay Northwest of Grand Isle	83.54	107.82	73.96	76.44	95.88	74.02	86.79	51.20	8.15	6.14	3.20	4.44
USGS 07380335 - Little Lake Near Cutoff	54.02	74.14	48.09	53.60	69.39	53.25	62.47	37.67	6.62	3.68	1.43	1.26
USGS073802516 Barataria Pass at Grand Isle	37.52	50.45	26.64	32.42	32.47	24.96	29.74	22.80	5.24	2.38	0.93	0.46
HWQ14 - Lake Washington	21.88	44.07	19.54	33.93	33.33	27.85	26.95	17.91	2.08	0.52	0.48	-0.05
HWQ16 - Bayou Grand Liard	9.64	10.73	4.68	10.34	11.83	6.67	7.69	5.25	3.17	1.66	0.18	-0.58
CRMS 3985	17.16	46.79	27.87	39.65	47.61	36.38	37.54	8.55	-9.32	-8.72	1.29	-0.80
CRMS 0258	38.59	47.83	20.91	22.50	29.30	24.29	44.12	28.00	1.98	3.21	-0.07	0.81
CRMS 0224	56.01	67.96	37.60	38.83	51.08	42.02	60.65	39.51	4.11	4.06	1.62	2.14
CRMS 0163	-2.69	-1.96	-1.87	-1.62	-2.75	-2.53	-4.00	1.29	4.37	4.74	-0.38	2.90
CRMS 0162	-1.46	-2.88	-2.34	-1.48	-1.41	-1.19	0.23	3.73	5.88	10.62	-0.94	5.22

Figure WQ TSS 144 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.81	3.23	14.35	22.52	23.58	14.89	10.72	11.13	9.41	9.16	5.61	13.45
CRMS0276 - Just east of Wilkinson Canal	57.64	42.38	109.58	105.05	117.47	41.29	25.92	23.58	33.91	27.10	27.16	111.23
Barataria Waterway at Lafitte (USACE82875)	99.14	91.22	181.79	129.80	150.34	50.73	54.22	56.78	59.79	60.58	58.31	189.45
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	3.72	12.09	29.87	32.95	19.42	9.39	8.90	10.08	9.67	5.09	11.86
USGS7380251 Barataria Bay North of Grand Isle	11.85	5.07	17.48	16.23	13.15	9.37	8.11	9.93	11.47	11.69	9.12	16.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.18	9.21	18.28	28.36	23.57	14.14	8.36	8.71	8.97	9.56	8.44	13.80
USGS 07380335 - Little Lake Near Cutoff	27.09	14.72	27.83	42.02	35.48	18.12	10.45	9.56	10.07	10.96	11.58	25.28
USGS073802516 Barataria Pass at Grand Isle	18.83	10.58	20.78	34.35	31.77	19.06	12.66	11.46	8.61	10.50	8.62	18.43
HWQ14 - Lake Washington	9.24	4.64	12.32	15.70	11.84	8.70	5.46	5.46	6.21	7.22	6.32	7.90
HWQ16 - Bayou Grand Liard	40.19	23.52	68.65	72.03	77.48	31.10	16.03	13.47	13.69	12.12	16.14	59.43
CRMS 3985	19.36	9.10	29.78	14.30	10.10	6.89	5.03	10.99	14.78	15.81	14.97	30.20
CRMS 0258	14.48	10.93	40.03	52.36	63.95	32.55	22.20	22.19	22.17	18.29	8.34	33.98
CRMS 0224	16.30	12.14	21.13	45.35	47.47	24.32	11.40	11.64	16.21	14.25	7.75	17.18
CRMS 0163	123.22	114.85	238.19	148.92	169.71	51.31	59.80	69.63	71.58	64.50	93.10	242.58
CRMS 0162	125.98	90.49	221.88	138.29	163.09	60.32	79.38	75.70	47.37	36.32	59.20	245.13

V3PR6 HYST - cy 3 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	145.98	139.07	355.58	229.60	253.93	112.53	117.25	88.04	87.22	85.34	132.09	347.69
CRMS0276 - Just east of Wilkinson Canal	60.51	42.15	98.22	97.28	114.89	37.78	34.44	27.73	36.09	28.45	25.42	93.11
Barataria Waterway at Lafitte (USACE82875)	98.56	91.43	176.06	125.55	149.05	50.12	50.04	56.38	61.62	62.30	60.66	181.39
USGS2928590900040000 Barataria Waterway South of Lafitte	36.03	19.45	275.63	184.33	211.63	81.73	80.81	38.11	29.75	30.94	29.29	272.57
USGS7380251 Barataria Bay North of Grand Isle	32.33	12.40	202.36	134.44	156.32	50.31	55.90	19.62	12.80	11.50	17.06	203.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	46.43	14.09	231.94	146.67	166.45	56.71	66.82	23.33	15.51	15.08	13.95	235.01
USGS 07380335 - Little Lake Near Cutoff	52.07	16.88	191.45	123.81	144.82	46.27	52.24	20.30	14.49	13.88	10.35	190.18
USGS073802516 Barataria Pass at Grand Isle	45.31	12.70	112.63	78.95	89.85	32.94	33.17	19.73	11.43	12.54	8.66	118.30
HWQ14 - Lake Washington	32.64	8.51	72.30	64.71	72.69	28.17	24.09	12.80	7.45	7.87	6.53	72.68
HWQ16 - Bayou Grand Liard	47.83	23.64	95.32	84.05	92.65	31.92	22.82	14.69	15.39	12.84	13.81	85.13
CRMS 3985	33.58	17.17	103.48	75.09	90.51	32.01	32.31	11.91	9.34	9.08	12.03	93.47
CRMS 0258	31.27	10.18	133.02	92.46	111.97	40.98	54.58	31.94	22.94	21.39	8.39	131.58
CRMS 0224	42.42	13.20	159.97	108.21	125.96	40.75	53.25	24.75	19.34	17.93	9.16	160.16
CRMS 0163	122.93	115.09	236.65	145.79	171.64	51.03	58.42	71.20	74.38	67.01	94.70	240.00
CRMS 0162	127.23	94.62	217.72	135.42	165.37	59.11	79.03	78.75	51.91	41.16	60.57	243.96

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	139.17	135.85	341.23	207.08	230.36	97.64	106.54	76.92	77.81	76.18	126.48	334.24
CRMS0276 - Just east of Wilkinson Canal	2.87	-0.24	-11.36	-7.77	-2.58	-3.51	8.52	4.15	2.18	1.36	-1.74	-18.12
Barataria Waterway at Lafitte (USACE82875)	-0.58	0.21	-5.74	-4.25	-1.29	-0.61	-4.18	-0.40	1.83	1.72	2.35	-8.06
USGS2928590900040000 Barataria Waterway South of Lafitte	29.17	15.73	263.54	154.46	178.68	62.31	71.42	29.21	19.68	21.26	24.20	260.71
USGS7380251 Barataria Bay North of Grand Isle	20.49	7.33	184.87	118.21	143.17	40.93	47.79	9.70	1.33	-0.19	7.94	187.75
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.26	4.87	213.66	118.31	142.88	42.57	58.47	14.62	6.55	5.52	5.51	221.21
USGS 07380335 - Little Lake Near Cutoff	24.98	2.16	163.62	81.79	109.35	28.15	41.78	10.74	4.42	2.92	-1.22	164.90
USGS073802516 Barataria Pass at Grand Isle	26.48	2.11	91.85	44.60	58.08	13.88	20.51	8.28	2.82	2.04	0.04	99.87
HWQ14 - Lake Washington	23.40	3.87	59.98	49.02	60.85	19.47	18.63	7.34	1.25	0.65	0.20	64.79
HWQ16 - Bayou Grand Liard	7.65	0.12	26.67	12.02	15.18	0.81	6.78	1.22	1.70	0.72	-2.33	25.70
CRMS 3985	14.22	8.07	73.70	60.78	80.41	25.12	27.28	0.92	-5.43	-6.74	-2.94	63.27
CRMS 0258	16.78	-0.75	92.99	40.10	48.02	8.43	32.38	9.75	0.76	3.09	0.04	97.59
CRMS 0224	26.13	1.06	138.84	62.86	78.49	16.43	41.85	13.11	3.13	3.68	1.41	142.97
CRMS 0163	-0.29	0.24	-1.54	-3.12	1.93	-0.28	-1.38	1.56	2.80	2.51	1.60	-2.58
CRMS 0162	1.25	4.12	-4.16	-2.87	2.29	-1.21	-0.35	3.05	4.55	4.85	1.38	-1.17

Figure WQ TSS 145 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.38	9.62	11.92	18.59	17.99	13.89	9.62	8.70	8.35	8.52	7.49	10.02
CRMS0276 - Just east of Wilkinson Canal	65.92	99.81	58.80	100.13	72.24	64.90	23.16	12.19	19.12	26.04	50.73	52.21
Barataria Waterway at Lafitte (USACE82875)	113.71	139.95	91.74	115.88	93.00	77.45	51.96	46.30	47.73	82.77	101.35	106.90
USGS2928590900040000 Barataria Waterway South of Lafitte	5.77	9.57	12.81	25.00	23.73	18.29	9.35	7.53	7.76	7.62	6.43	8.49
USGS7380251 Barataria Bay North of Grand Isle	5.94	11.25	10.28	12.30	11.00	9.20	7.83	11.36	11.20	13.61	13.74	10.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.76	14.79	16.02	23.07	17.31	12.57	8.81	7.14	7.06	7.83	10.75	11.04
USGS 07380335 - Little Lake Near Cutoff	21.56	27.44	22.81	36.46	23.90	17.65	10.95	7.07	6.56	8.27	14.74	15.76
USGS073802516 Barataria Pass at Grand Isle	14.04	19.19	17.72	28.92	22.34	19.18	13.32	8.87	6.88	8.69	11.33	12.56
HWQ14 - Lake Washington	4.13	6.67	9.95	11.45	9.92	7.42	5.54	5.18	6.20	7.29	8.76	8.07
HWQ16 - Bayou Grand Liard	38.85	61.96	37.91	67.55	43.19	41.53	15.53	12.82	8.86	10.73	25.01	25.54
CRMS 3985	9.45	19.59	9.32	9.80	8.32	6.99	5.67	15.49	14.12	21.09	23.39	13.48
CRMS 0258	15.77	31.09	29.69	48.10	44.24	40.24	16.67	9.66	14.57	12.76	12.01	13.76
CRMS 0224	12.27	21.74	20.19	40.31	31.43	25.27	12.22	9.52	10.30	10.35	10.52	11.72
CRMS 0163	128.18	173.95	127.38	126.85	114.75	81.16	58.08	54.25	51.24	111.25	153.93	152.05
CRMS 0162	127.64	158.56	102.96	121.70	106.13	87.42	70.11	38.30	26.08	83.54	119.75	144.73

V3PR7 HYST - cy 3 - 2002 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	152.36	251.63	183.31	196.91	191.19	143.80	81.11	69.16	68.24	148.54	173.34	211.85
CRMS0276 - Just east of Wilkinson Canal	68.62	92.05	51.87	93.63	67.82	56.32	23.91	14.19	21.53	29.17	53.12	51.35
Barataria Waterway at Lafitte (USACE82875)	107.83	135.43	89.11	113.80	89.85	75.68	50.49	47.27	50.75	86.75	106.31	105.88
USGS2928590900040000 Barataria Waterway South of Lafitte	81.87	192.86	107.81	156.58	149.10	107.93	44.67	37.36	29.85	43.93	31.34	96.61
USGS7380251 Barataria Bay North of Grand Isle	64.75	136.37	74.21	113.12	107.55	75.82	20.95	12.57	12.06	12.82	13.01	49.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	75.98	162.34	88.76	124.81	118.49	84.90	27.48	13.66	12.43	14.99	15.51	62.09
USGS 07380335 - Little Lake Near Cutoff	76.63	130.85	67.96	108.31	99.09	71.78	24.98	10.30	9.67	11.96	17.38	45.69
USGS073802516 Barataria Pass at Grand Isle	63.18	88.81	44.73	72.54	58.11	45.96	22.00	11.01	8.03	10.94	13.24	20.70
HWQ14 - Lake Washington	42.62	57.10	27.96	58.08	45.57	39.10	15.01	7.07	6.45	7.72	8.15	14.45
HWQ16 - Bayou Grand Liard	58.13	80.72	42.51	79.65	56.13	47.64	16.70	12.34	9.23	10.79	26.90	28.02
CRMS 3985	40.78	61.15	31.32	65.11	57.97	46.39	13.11	6.56	11.66	11.64	12.20	27.16
CRMS 0258	55.99	91.77	47.38	84.15	78.54	64.06	27.92	14.76	15.91	17.54	12.87	31.84
CRMS 0224	66.03	115.91	55.37	95.27	87.55	66.59	29.57	15.56	14.48	16.33	13.79	42.30
CRMS 0163	127.43	173.23	127.69	125.74	112.30	80.05	59.03	56.71	54.54	117.51	157.95	149.96
CRMS 0162	128.60	155.76	102.26	120.64	104.33	86.03	71.82	41.38	26.80	92.07	122.32	146.05

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	145.97	242.01	171.39	178.33	173.20	129.91	71.49	60.46	59.89	140.01	165.85	201.82
CRMS0276 - Just east of Wilkinson Canal	2.70	-7.76	-6.93	-6.50	-4.43	-8.58	0.75	2.01	2.41	3.13	2.40	-0.86
Barataria Waterway at Lafitte (USACE82875)	-5.88	-4.52	-2.63	-2.09	-3.16	-1.76	-1.48	0.97	3.02	3.98	4.96	-1.02
USGS2928590900040000 Barataria Waterway South of Lafitte	76.10	183.29	94.99	131.58	125.37	89.64	35.32	29.83	22.09	36.31	24.92	88.12
USGS7380251 Barataria Bay North of Grand Isle	58.81	125.12	63.93	100.82	96.55	66.62	13.12	1.21	0.86	-0.79	-0.73	38.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	64.22	147.55	72.74	101.74	101.18	72.33	18.67	6.51	5.37	7.15	4.76	51.05
USGS 07380335 - Little Lake Near Cutoff	55.07	103.41	45.15	71.85	75.19	54.14	14.03	3.23	3.11	3.69	2.64	29.93
USGS073802516 Barataria Pass at Grand Isle	49.15	69.62	27.00	43.61	35.77	26.78	8.69	2.14	1.15	2.25	1.91	8.14
HWQ14 - Lake Washington	38.50	50.44	18.01	46.63	35.65	31.68	9.47	1.89	0.25	0.43	-0.61	6.38
HWQ16 - Bayou Grand Liard	19.28	18.76	4.60	12.09	12.93	6.11	1.17	-0.48	0.36	0.06	1.89	2.48
CRMS 3985	31.32	41.56	22.01	55.31	49.64	39.41	7.43	-8.93	-2.46	-9.45	-11.19	13.69
CRMS 0258	40.22	60.68	17.69	36.05	34.30	23.81	11.25	5.10	1.34	4.78	0.86	18.08
CRMS 0224	53.76	94.17	35.18	54.96	56.12	41.33	17.36	6.04	4.17	5.98	3.27	30.58
CRMS 0163	-0.75	-0.72	0.31	-1.11	-2.45	-1.11	0.95	2.46	3.30	6.27	4.02	-2.09
CRMS 0162	0.96	-2.80	-0.70	-1.06	-1.80	-1.39	1.71	3.08	0.71	8.53	2.57	1.32

Figure WQ TSS 146 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.83	9.06	11.71	15.84	17.38	12.12	9.23	9.12	8.82	8.52	6.00	12.17
CRMS0276 - Just east of Wilkinson Canal	52.64	85.05	72.61	65.66	61.95	33.49	18.76	15.92	23.62	21.23	40.01	74.57
Barataria Waterway at Lafitte (USACE82875)	91.87	122.23	102.00	85.22	74.50	51.26	60.21	57.16	60.20	54.65	85.17	146.12
USGS2928590900040000 Barataria Waterway South of Lafitte	6.70	9.80	13.48	20.10	23.12	14.54	8.55	7.69	8.37	8.23	4.95	9.39
USGS7380251 Barataria Bay North of Grand Isle	12.35	9.87	8.96	10.45	10.23	8.35	7.48	12.54	12.49	11.80	11.37	15.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.09	15.46	18.54	18.28	16.89	10.08	7.42	7.23	7.95	8.26	9.51	11.19
USGS 07380335 - Little Lake Near Cutoff	20.28	26.83	28.51	26.31	23.44	12.26	8.38	6.91	7.82	8.86	13.62	17.86
USGS073802516 Barataria Pass at Grand Isle	14.18	18.46	21.13	22.71	22.27	13.63	10.33	8.92	7.63	9.07	9.56	13.58
HWQ14 - Lake Washington	8.38	7.04	9.31	10.09	9.43	6.87	5.15	5.32	6.77	7.13	7.25	8.29
HWQ16 - Bayou Grand Liard	32.18	52.44	54.71	44.31	43.42	18.44	10.16	13.22	9.93	10.53	20.13	35.77
CRMS 3985	21.25	14.40	6.83	7.90	7.62	6.09	5.64	18.36	16.86	15.96	19.77	28.44
CRMS 0258	18.47	30.31	29.48	34.17	39.92	28.22	16.59	10.23	17.09	14.08	8.78	28.83
CRMS 0224	12.45	22.46	23.52	28.32	30.59	17.56	10.11	9.81	12.31	11.25	8.56	13.27
CRMS 0163	114.58	152.33	124.84	103.35	83.00	52.02	70.42	66.14	71.09	65.94	130.60	197.00
CRMS 0162	120.82	148.13	125.07	99.18	82.20	56.05	91.86	62.67	36.73	34.71	86.93	197.42

V3PR7 HYST - cy 3 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	163.73	234.20	200.50	176.51	147.42	76.25	98.22	86.11	88.37	96.40	152.26	263.10
CRMS0276 - Just east of Wilkinson Canal	50.67	77.03	62.21	60.33	60.30	32.50	18.60	17.46	26.18	23.56	39.05	70.83
Barataria Waterway at Lafitte (USACE82875)	89.44	117.27	97.14	82.37	73.60	50.74	59.97	57.84	62.00	58.24	88.60	143.61
USGS2928590900040000 Barataria Waterway South of Lafitte	92.41	181.15	158.82	136.78	112.07	39.51	45.77	41.25	32.98	34.91	26.88	139.76
USGS7380251 Barataria Bay North of Grand Isle	62.13	127.22	112.41	94.49	77.03	21.93	12.76	12.20	12.96	11.05	11.52	86.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.38	150.28	127.60	105.21	84.69	25.61	14.73	13.80	13.68	13.79	12.34	107.11
USGS 07380335 - Little Lake Near Cutoff	67.10	121.27	107.58	87.08	72.35	25.07	12.59	10.04	11.13	11.62	13.19	80.55
USGS073802516 Barataria Pass at Grand Isle	51.07	78.29	68.88	55.48	48.97	22.74	12.43	10.22	8.55	10.87	10.28	41.93
HWQ14 - Lake Washington	29.84	53.45	48.26	44.01	40.43	17.22	7.25	5.92	6.64	7.36	6.85	26.09
HWQ16 - Bayou Grand Liard	39.06	69.05	66.25	55.03	49.34	21.69	9.97	12.70	10.72	10.66	18.95	41.73
CRMS 3985	31.92	59.40	59.05	50.12	45.44	15.44	6.85	5.99	13.61	9.00	11.31	41.77
CRMS 0258	51.44	88.52	80.18	65.49	58.19	31.00	21.23	15.67	17.99	18.06	8.29	70.52
CRMS 0224	62.80	108.90	93.96	76.90	63.29	27.42	17.16	16.16	16.35	15.98	10.34	77.48
CRMS 0163	114.35	150.52	123.38	101.49	82.21	52.33	71.30	68.73	74.58	71.19	133.60	197.47
CRMS 0162	120.89	146.27	122.53	97.18	80.79	56.34	93.72	66.99	38.99	39.14	89.62	202.24

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	154.90	225.14	188.79	160.68	130.04	64.13	88.98	76.99	79.56	87.88	146.27	250.93
CRMS0276 - Just east of Wilkinson Canal	-1.97	-8.02	-10.40	-5.33	-1.65	-0.99	-0.16	1.54	2.56	2.33	-0.95	-3.74
Barataria Waterway at Lafitte (USACE82875)	-2.43	-4.96	-4.86	-2.84	-0.91	-0.52	-0.24	0.68	1.80	3.60	3.43	-2.50
USGS2928590900040000 Barataria Waterway South of Lafitte	85.72	171.35	145.34	116.68	88.95	24.98	37.22	33.57	24.61	26.68	21.93	130.37
USGS7380251 Barataria Bay North of Grand Isle	49.79	117.35	103.45	84.04	66.80	13.58	5.27	-0.34	0.47	-0.75	0.14	70.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	72.29	134.82	109.06	86.93	67.80	15.53	7.31	6.58	5.73	5.54	2.83	95.92
USGS 07380335 - Little Lake Near Cutoff	46.81	94.44	79.07	60.77	48.90	12.81	4.21	3.13	3.31	2.77	-0.43	62.69
USGS073802516 Barataria Pass at Grand Isle	36.89	59.83	47.75	32.76	26.70	9.11	2.10	1.30	0.92	1.81	0.72	28.34
HWQ14 - Lake Washington	21.46	46.41	38.95	33.92	31.00	10.36	2.10	0.59	-0.13	0.23	-0.39	17.81
HWQ16 - Bayou Grand Liard	6.88	16.60	11.55	10.72	5.91	3.26	-0.19	-0.52	0.78	0.14	-1.18	5.95
CRMS 3985	10.67	45.00	52.22	42.22	37.83	9.35	1.22	-12.37	-3.24	-6.95	-8.45	13.34
CRMS 0258	32.97	58.21	50.70	31.32	18.28	2.78	4.64	5.43	0.90	3.98	-0.48	41.69
CRMS 0224	50.35	86.44	70.44	48.59	32.69	9.86	7.05	6.36	4.04	4.73	1.78	64.21
CRMS 0163	-0.23	-1.81	-1.46	-1.87	-0.79	0.31	0.88	2.59	3.48	5.25	3.00	0.48
CRMS 0162	0.07	-1.87	-2.54	-2.00	-1.41	0.29	1.85	4.32	2.26	4.43	2.69	4.81

Figure WQ TSS 147 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.23	11.07	11.17	17.85	20.17	12.10	9.01	9.14	7.68	8.17	11.57	12.75
CRMS0276 - Just east of Wilkinson Canal	28.34	119.02	75.69	111.40	92.08	49.67	14.62	9.98	14.17	26.46	65.93	67.97
Barataria Waterway at Lafitte (USACE82875)	79.75	175.08	127.24	126.83	121.94	84.30	54.08	46.77	24.32	100.80	127.35	126.77
USGS2928590900040000 Barataria Waterway South of Lafitte	4.06	11.99	11.86	25.97	26.79	15.55	7.86	7.48	6.66	6.69	9.77	12.02
USGS7380251 Barataria Bay North of Grand Isle	10.29	14.81	14.15	13.53	13.55	9.74	15.28	15.65	10.44	14.88	15.53	15.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.32	17.09	15.20	22.54	18.38	11.64	7.99	7.59	6.53	7.28	13.17	14.33
USGS 07380335 - Little Lake Near Cutoff	11.31	32.02	20.85	35.11	26.08	15.44	8.15	7.32	6.46	7.81	18.78	21.31
USGS073802516 Barataria Pass at Grand Isle	8.63	21.05	16.98	28.44	22.97	15.88	9.66	8.36	6.71	7.87	13.70	16.28
HWQ14 - Lake Washington	6.79	8.03	12.14	12.67	10.63	7.61	8.03	8.06	6.43	7.99	9.75	9.46
HWQ16 - Bayou Grand Liard	16.25	63.44	37.30	69.50	47.50	28.34	12.39	11.38	9.99	11.94	32.97	36.42
CRMS 3985	19.41	25.52	21.19	13.16	13.42	10.92	22.66	20.25	10.79	22.87	25.60	27.03
CRMS 0258	8.04	36.64	25.26	56.09	54.29	27.75	10.10	8.14	10.18	10.78	24.19	25.89
CRMS 0224	7.10	26.68	18.34	43.49	36.65	22.66	9.42	8.47	8.59	8.65	13.41	16.75
CRMS 0163	125.34	207.79	177.14	138.08	142.76	91.28	60.53	50.19	29.04	131.39	186.79	160.92
CRMS 0162	104.59	187.06	122.66	109.61	116.45	88.55	52.70	31.69	18.15	76.99	152.95	162.54

V3PR7 HYST - cy 3 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	175.30	263.15	237.00	157.05	202.90	119.30	90.46	56.80	49.91	163.18	201.00	175.98
CRMS0276 - Just east of Wilkinson Canal	29.58	108.57	72.79	112.77	86.95	51.08	16.04	10.58	15.34	28.61	70.46	70.84
Barataria Waterway at Lafitte (USACE82875)	82.72	173.73	127.77	129.77	120.89	84.50	55.45	47.94	30.00	104.71	132.81	130.80
USGS2928590900040000 Barataria Waterway South of Lafitte	51.71	158.29	126.98	56.56	121.09	37.78	39.33	32.86	22.01	44.02	34.83	33.67
USGS7380251 Barataria Bay North of Grand Isle	18.89	108.62	86.86	51.12	84.87	15.67	9.90	9.91	10.00	14.53	18.37	15.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.81	140.85	98.45	61.75	106.07	20.94	13.07	11.19	9.55	14.93	19.26	18.15
USGS 07380335 - Little Lake Near Cutoff	12.72	112.31	75.12	68.59	85.93	22.60	11.90	8.78	7.86	11.38	22.06	22.76
USGS073802516 Barataria Pass at Grand Isle	9.83	81.53	50.19	59.21	48.21	21.53	11.72	8.42	6.66	9.99	16.74	17.58
HWQ14 - Lake Washington	5.56	50.38	30.85	41.56	31.94	12.99	6.29	5.05	5.70	8.46	11.03	10.28
HWQ16 - Bayou Grand Liard	17.11	75.92	46.53	79.43	52.71	31.10	12.94	11.87	8.57	10.97	36.21	38.69
CRMS 3985	12.85	48.78	35.21	39.67	37.37	11.51	5.52	8.08	8.09	17.87	21.65	19.91
CRMS 0258	11.11	74.68	45.41	57.13	72.24	25.64	13.68	12.12	11.61	15.48	27.43	28.88
CRMS 0224	11.91	96.83	60.98	55.34	77.68	25.08	15.38	13.48	11.08	15.35	17.62	18.41
CRMS 0163	128.37	210.48	179.17	141.83	142.25	93.65	63.41	53.19	34.62	137.86	190.81	165.34
CRMS 0162	107.54	186.60	120.88	111.36	117.20	91.60	54.93	33.54	18.79	87.50	155.45	169.00

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	170.08	252.08	225.83	139.20	182.73	107.20	81.45	47.66	42.23	155.02	189.43	163.23
CRMS0276 - Just east of Wilkinson Canal	1.24	-10.45	-2.90	1.36	-5.14	1.41	1.42	0.59	1.17	2.15	4.53	2.87
Barataria Waterway at Lafitte (USACE82875)	2.97	-1.35	0.53	2.94	-1.05	0.20	1.37	1.17	5.68	3.91	5.46	4.02
USGS2928590900040000 Barataria Waterway South of Lafitte	47.65	146.31	115.12	30.59	94.30	22.23	31.47	25.38	15.35	37.33	25.06	21.65
USGS7380251 Barataria Bay North of Grand Isle	8.60	93.81	72.71	37.59	71.33	5.93	-5.38	-5.74	-0.44	-0.35	2.84	-0.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.49	123.76	83.24	39.22	87.68	9.31	5.08	3.61	3.02	7.65	6.09	3.82
USGS 07380335 - Little Lake Near Cutoff	1.41	80.29	54.28	33.48	59.86	7.17	3.75	1.46	1.40	3.57	3.27	1.45
USGS073802516 Barataria Pass at Grand Isle	1.20	60.48	33.21	30.77	25.23	5.64	2.06	0.05	-0.05	2.12	3.05	1.30
HWQ14 - Lake Washington	-1.22	42.34	18.71	28.89	21.31	5.38	-1.75	-3.00	-0.73	0.48	1.28	0.82
HWQ16 - Bayou Grand Liard	0.86	12.48	9.22	9.93	5.22	2.77	0.55	0.49	-1.42	-0.98	3.24	2.27
CRMS 3985	-6.57	23.27	14.02	26.51	23.95	0.59	-17.14	-12.17	-2.70	-5.00	-3.95	-7.12
CRMS 0258	3.07	38.03	20.15	1.05	17.95	-2.11	3.58	3.98	1.43	4.70	3.24	2.98
CRMS 0224	4.81	70.15	42.64	11.84	41.03	2.43	5.96	5.00	2.50	6.70	4.21	1.65
CRMS 0163	3.04	2.69	2.03	3.75	-0.51	2.37	2.88	2.99	5.58	6.47	4.03	4.43
CRMS 0162	2.96	-0.46	-1.78	1.75	0.75	3.05	2.23	1.86	0.64	10.51	2.50	6.46

Figure WQ TSS 148 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.20	7.03	10.10	15.50	17.16	14.24	11.84	13.25	11.78	10.42	5.84	6.71
CRMS0276 - Just east of Wilkinson Canal	32.93	77.35	44.74	71.60	73.21	57.32	38.36	32.76	43.41	32.59	27.50	34.69
Barataria Waterway at Lafitte (USACE82875)	70.69	103.97	65.14	85.59	95.61	74.50	77.32	71.49	73.48	76.28	56.94	92.22
USGS2928590900040000 Barataria Waterway South of Lafitte	4.41	8.02	11.47	20.26	22.43	18.93	10.34	10.78	12.97	10.98	5.58	5.31
USGS7380251 Barataria Bay North of Grand Isle	8.42	7.04	7.43	10.24	10.40	9.07	8.77	13.73	14.37	13.40	7.39	10.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.58	13.92	14.11	17.92	15.57	12.43	9.78	9.70	11.03	10.78	8.03	6.94
USGS 07380335 - Little Lake Near Cutoff	11.63	25.20	19.86	26.90	21.75	16.78	13.60	11.78	12.84	12.58	10.28	9.25
USGS073802516 Barataria Pass at Grand Isle	8.33	17.43	15.48	22.21	20.19	17.73	15.36	13.11	10.49	11.82	8.67	8.25
HWQ14 - Lake Washington	5.56	5.53	8.16	9.48	8.77	7.15	5.60	5.80	7.73	8.09	6.35	6.53
HWQ16 - Bayou Grand Liard	20.88	50.15	31.34	46.01	39.65	35.25	26.22	19.63	18.23	13.96	14.62	17.59
CRMS 3985	14.22	8.91	5.26	7.77	7.86	6.74	6.24	19.72	18.78	18.62	9.09	20.37
CRMS 0258	11.39	23.54	22.81	36.71	42.45	41.07	28.27	28.09	29.18	20.19	8.20	10.83
CRMS 0224	6.88	19.49	17.67	29.90	29.09	25.29	13.53	13.15	19.77	15.83	8.25	6.30
CRMS 0163	98.59	124.91	89.71	96.85	113.88	82.59	85.87	90.49	88.03	90.95	78.74	132.44
CRMS 0162	96.25	122.00	76.81	90.03	98.07	89.24	115.50	104.85	69.70	65.80	50.37	119.40

V3PR7 HYST - cy 3 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.47	192.91	156.12	157.73	185.54	148.18	159.18	132.66	105.50	115.95	95.01	151.51
CRMS0276 - Just east of Wilkinson Canal	42.43	64.43	37.83	68.63	66.19	51.26	48.36	41.36	46.70	35.67	27.78	35.90
Barataria Waterway at Lafitte (USACE82875)	67.79	100.18	61.17	84.13	92.93	71.48	70.28	68.46	77.28	79.39	58.29	94.94
USGS2928590900040000 Barataria Waterway South of Lafitte	116.15	150.89	107.38	115.90	140.18	107.82	114.77	73.16	33.76	38.47	19.64	29.80
USGS7380251 Barataria Bay North of Grand Isle	73.14	105.81	72.76	83.69	103.16	75.39	78.18	46.63	14.66	12.26	9.77	11.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	90.87	121.91	87.69	94.62	111.64	86.32	95.87	60.32	19.11	16.74	11.07	10.97
USGS 07380335 - Little Lake Near Cutoff	65.72	99.79	68.18	80.64	91.53	70.28	76.02	49.41	19.54	16.17	11.64	10.44
USGS073802516 Barataria Pass at Grand Isle	45.79	67.83	41.93	54.28	52.61	42.50	45.02	35.92	15.85	14.10	9.54	8.64
HWQ14 - Lake Washington	27.08	48.66	27.47	42.87	41.48	34.47	32.25	23.26	9.76	8.58	6.77	6.37
HWQ16 - Bayou Grand Liard	30.57	61.14	36.11	56.69	51.90	42.02	33.94	25.09	21.55	15.51	14.88	17.37
CRMS 3985	30.58	53.95	32.19	46.19	54.41	42.37	43.19	27.54	9.44	9.78	10.59	19.55
CRMS 0258	51.20	73.16	44.86	60.64	73.59	66.77	75.08	58.03	31.07	23.47	8.22	11.67
CRMS 0224	64.14	89.39	56.43	70.03	81.59	68.16	75.27	53.42	23.91	19.90	9.94	8.56
CRMS 0163	96.19	123.54	87.97	95.62	111.69	80.79	82.51	92.18	92.69	96.47	78.55	136.12
CRMS 0162	95.14	119.20	76.05	88.46	96.45	88.41	116.05	108.66	76.18	77.46	49.86	126.49

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.27	185.87	146.03	142.23	168.38	133.94	147.34	119.41	93.72	105.53	89.17	144.81
CRMS0276 - Just east of Wilkinson Canal	9.50	-12.92	-6.92	-2.97	-7.02	-6.07	9.99	8.60	3.29	3.09	0.28	1.21
Barataria Waterway at Lafitte (USACE82875)	-2.90	-3.78	-3.97	-1.46	-2.68	-3.02	-7.04	-3.04	3.81	3.11	1.35	2.72
USGS2928590900040000 Barataria Waterway South of Lafitte	111.75	142.86	95.90	95.63	117.75	88.89	104.43	62.38	20.79	27.48	14.05	24.49
USGS7380251 Barataria Bay North of Grand Isle	64.73	98.77	65.33	73.46	92.76	66.32	69.41	32.90	0.29	-1.14	2.38	0.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	83.29	107.99	73.58	76.69	96.07	73.89	86.10	50.62	8.08	5.95	3.04	4.03
USGS 07380335 - Little Lake Near Cutoff	54.09	74.59	48.31	53.74	69.78	53.50	62.41	37.63	6.69	3.59	1.36	1.19
USGS073802516 Barataria Pass at Grand Isle	37.46	50.41	26.45	32.07	32.43	24.77	29.66	22.81	5.35	2.28	0.87	0.40
HWQ14 - Lake Washington	21.52	43.12	19.31	33.39	32.71	27.32	26.64	17.46	2.03	0.48	0.42	-0.16
HWQ16 - Bayou Grand Liard	9.69	10.99	4.76	10.67	12.26	6.78	7.73	5.46	3.33	1.56	0.26	-0.22
CRMS 3985	16.36	45.04	26.94	38.42	46.55	35.64	36.96	7.82	-9.35	-8.84	1.50	-0.82
CRMS 0258	39.81	49.62	22.06	23.93	31.14	25.70	46.80	29.94	1.89	3.27	0.02	0.83
CRMS 0224	57.25	69.89	38.75	40.12	52.50	42.86	61.74	40.28	4.14	4.07	1.68	2.26
CRMS 0163	-2.40	-1.37	-1.74	-1.23	-2.19	-1.80	-3.36	1.69	4.65	5.52	-0.20	3.68
CRMS 0162	-1.11	-2.79	-0.77	-1.56	-1.62	-0.83	0.56	3.80	6.49	11.66	-0.51	7.09

Figure WQ TSS 149 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.81	3.23	14.35	22.52	23.58	14.89	10.72	11.13	9.41	9.16	5.61	13.45
CRMS0276 - Just east of Wilkinson Canal	57.64	42.38	109.58	105.05	117.47	41.29	25.92	23.58	33.91	27.10	27.16	111.23
Barataria Waterway at Lafitte (USACE82875)	99.14	91.22	181.79	129.80	150.34	50.73	54.22	56.78	59.79	60.58	58.31	189.45
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	3.72	12.09	29.87	32.95	19.42	9.39	8.90	10.08	9.67	5.09	11.86
USGS7380251 Barataria Bay North of Grand Isle	11.85	5.07	17.48	16.23	13.15	9.37	8.11	9.93	11.47	11.69	9.12	16.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.18	9.21	18.28	28.36	23.57	14.14	8.36	8.71	8.97	9.56	8.44	13.80
USGS 07380335 - Little Lake Near Cutoff	27.09	14.72	27.83	42.02	35.48	18.12	10.45	9.56	10.07	10.96	11.58	25.28
USGS073802516 Barataria Pass at Grand Isle	18.83	10.58	20.78	34.35	31.77	19.06	12.66	11.46	8.61	10.50	8.62	18.43
HWQ14 - Lake Washington	9.24	4.64	12.32	15.70	11.84	8.70	5.46	5.46	6.21	7.22	6.32	7.90
HWQ16 - Bayou Grand Liard	40.19	23.52	68.65	72.03	77.48	31.10	16.03	13.47	13.69	12.12	16.14	59.43
CRMS 3985	19.36	9.10	29.78	14.30	10.10	6.89	5.03	10.99	14.78	15.81	14.97	30.20
CRMS 0258	14.48	10.93	40.03	52.36	63.95	32.55	22.20	22.19	22.17	18.29	8.34	33.98
CRMS 0224	16.30	12.14	21.13	45.35	47.47	24.32	11.40	11.64	16.21	14.25	7.75	17.18
CRMS 0163	123.22	114.85	238.19	148.92	169.71	51.31	59.80	69.63	71.58	64.50	93.10	242.58
CRMS 0162	125.98	90.49	221.88	138.29	163.09	60.32	79.38	75.70	47.37	36.32	59.20	245.13

V3PR7 HYST - cy 3 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.98	138.03	355.33	229.44	253.73	112.44	117.17	87.34	86.58	84.48	130.95	347.60
CRMS0276 - Just east of Wilkinson Canal	62.07	42.32	98.98	97.24	115.32	37.93	34.54	27.86	35.78	27.90	25.33	93.73
Barataria Waterway at Lafitte (USACE82875)	98.86	91.34	174.55	125.89	149.40	50.62	50.00	55.99	61.40	62.15	60.56	180.54
USGS2928590900040000 Barataria Waterway South of Lafitte	41.00	23.53	278.08	181.59	208.38	79.34	81.68	40.67	31.54	34.17	34.79	275.17
USGS7380251 Barataria Bay North of Grand Isle	31.38	12.11	200.09	132.70	153.94	49.63	55.17	19.35	12.85	11.35	16.61	201.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	46.22	13.86	232.15	146.83	166.72	56.61	66.24	23.12	15.41	14.90	13.77	235.00
USGS 07380335 - Little Lake Near Cutoff	52.66	16.87	191.90	124.02	145.30	46.38	52.14	20.27	14.52	13.76	10.30	190.63
USGS073802516 Barataria Pass at Grand Isle	45.50	12.71	112.77	79.09	89.43	32.80	33.19	19.69	11.48	12.47	8.58	117.85
HWQ14 - Lake Washington	31.85	8.43	70.92	64.34	71.37	27.88	23.73	12.71	7.50	7.81	6.47	71.68
HWQ16 - Bayou Grand Liard	50.07	23.77	96.31	83.91	93.32	31.94	22.86	14.75	15.29	12.58	13.79	85.59
CRMS 3985	32.71	17.13	100.74	73.27	87.66	31.44	31.56	11.81	9.31	9.14	12.23	90.84
CRMS 0258	31.99	10.25	137.07	94.24	114.23	41.38	56.01	32.33	22.99	21.39	8.46	135.97
CRMS 0224	42.91	13.27	163.19	110.16	128.63	41.34	53.85	24.86	19.43	17.91	9.49	164.31
CRMS 0163	123.60	116.07	237.02	146.07	172.18	51.38	58.79	71.32	74.69	67.28	95.06	241.17
CRMS 0162	127.36	96.77	218.59	135.66	165.76	60.14	79.49	79.12	53.19	41.26	61.10	245.91

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	137.17	134.80	340.99	206.92	230.15	97.55	106.45	76.22	77.17	75.31	125.34	334.15
CRMS0276 - Just east of Wilkinson Canal	4.43	-0.07	-10.60	-7.81	-2.15	-3.36	8.61	4.29	1.87	0.80	-1.83	-17.50
Barataria Waterway at Lafitte (USACE82875)	-0.28	0.12	-7.24	-3.90	-0.94	-0.11	-4.22	-0.79	1.61	1.57	2.25	-8.91
USGS2928590900040000 Barataria Waterway South of Lafitte	34.14	19.81	265.98	151.72	175.44	59.91	72.29	31.77	21.47	24.50	29.70	263.31
USGS7380251 Barataria Bay North of Grand Isle	19.53	7.05	182.61	116.47	140.78	40.26	47.06	9.42	1.39	-0.34	7.49	185.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.05	4.65	213.87	118.46	143.15	42.47	57.88	14.42	6.44	5.34	5.33	221.19
USGS 07380335 - Little Lake Near Cutoff	25.57	2.16	164.07	82.00	109.83	28.26	41.69	10.71	4.45	2.80	-1.28	165.35
USGS073802516 Barataria Pass at Grand Isle	26.67	2.12	91.99	44.74	57.66	13.75	20.53	8.24	2.87	1.96	-0.04	99.42
HWQ14 - Lake Washington	22.61	3.79	58.60	48.64	59.53	19.19	18.27	7.25	1.29	0.59	0.14	63.78
HWQ16 - Bayou Grand Liard	9.89	0.26	27.66	11.87	15.84	0.84	6.83	1.29	1.60	0.47	-2.34	26.16
CRMS 3985	13.36	8.03	70.95	58.96	77.55	24.55	26.53	0.82	-5.46	-6.67	-2.74	60.64
CRMS 0258	17.51	-0.68	97.05	41.89	50.29	8.83	33.81	10.14	0.82	3.09	0.12	101.98
CRMS 0224	26.62	1.13	142.06	64.81	81.16	17.02	42.45	13.22	3.21	3.66	1.73	147.13
CRMS 0163	0.38	1.22	-1.17	-2.85	2.47	0.07	-1.01	1.69	3.10	2.78	1.96	-1.41
CRMS 0162	1.38	6.28	-3.29	-2.63	2.68	-0.18	0.11	3.42	5.82	4.94	1.90	0.78

Figure WQ TSS 150 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.38	9.62	11.92	18.59	17.99	13.89	9.62	8.70	8.35	8.52	7.49	10.02
CRMS0276 - Just east of Wilkinson Canal	65.92	99.81	58.80	100.13	72.24	64.90	23.16	12.19	19.12	26.04	50.73	52.21
Barataria Waterway at Lafitte (USACE82875)	113.71	139.95	91.74	115.88	93.00	77.45	51.96	46.30	47.73	82.77	101.35	106.90
USGS2928590900040000 Barataria Waterway South of Lafitte	5.77	9.57	12.81	25.00	23.73	18.29	9.35	7.53	7.76	7.62	6.43	8.49
USGS7380251 Barataria Bay North of Grand Isle	5.94	11.25	10.28	12.30	11.00	9.20	7.83	11.36	11.20	13.61	13.74	10.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.76	14.79	16.02	23.07	17.31	12.57	8.81	7.14	7.06	7.83	10.75	11.04
USGS 07380335 - Little Lake Near Cutoff	21.56	27.44	22.81	36.46	23.90	17.65	10.95	7.07	6.56	8.27	14.74	15.76
USGS073802516 Barataria Pass at Grand Isle	14.04	19.19	17.72	28.92	22.34	19.18	13.32	8.87	6.88	8.69	11.33	12.56
HWQ14 - Lake Washington	4.13	6.67	9.95	11.45	9.92	7.42	5.54	5.18	6.20	7.29	8.76	8.07
HWQ16 - Bayou Grand Liard	38.85	61.96	37.91	67.55	43.19	41.53	15.53	12.82	8.86	10.73	25.01	25.54
CRMS 3985	9.45	19.59	9.32	9.80	8.32	6.99	5.67	15.49	14.12	21.09	23.39	13.48
CRMS 0258	15.77	31.09	29.69	48.10	44.24	40.24	16.67	9.66	14.57	12.76	12.01	13.76
CRMS 0224	12.27	21.74	20.19	40.31	31.43	25.27	12.22	9.52	10.30	10.35	10.52	11.72
CRMS 0163	128.18	173.95	127.38	126.85	114.75	81.16	58.08	54.25	51.24	111.25	153.93	152.05
CRMS 0162	127.64	158.56	102.96	121.70	106.13	87.42	70.11	38.30	26.08	83.54	119.75	144.73

V3PR8 HYST - cy 3 - 2002 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	152.14	250.81	183.30	196.87	191.13	143.75	80.94	68.92	68.42	147.16	171.66	211.67
CRMS0276 - Just east of Wilkinson Canal	62.50	85.58	48.13	88.78	65.46	54.53	23.64	12.96	18.03	23.25	48.19	45.61
Barataria Waterway at Lafitte (USACE82875)	88.18	103.37	64.66	95.53	73.88	63.67	37.64	32.03	38.88	64.24	88.85	81.62
USGS2928590900040000 Barataria Waterway South of Lafitte	82.14	194.76	108.33	157.18	150.13	108.89	43.94	36.47	28.97	43.15	30.78	98.45
USGS7380251 Barataria Bay North of Grand Isle	64.29	134.63	73.90	111.97	106.17	74.90	20.68	12.71	12.11	14.08	15.88	49.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	76.31	164.45	91.01	125.89	120.14	86.13	27.78	13.90	12.26	14.86	15.57	64.53
USGS 07380335 - Little Lake Near Cutoff	76.10	129.86	68.83	107.60	98.99	71.20	24.81	10.13	8.82	10.81	16.31	45.97
USGS073802516 Barataria Pass at Grand Isle	62.27	88.12	44.48	72.59	58.02	45.85	21.80	10.74	7.51	10.28	13.10	21.10
HWQ14 - Lake Washington	41.51	57.60	28.22	58.62	46.32	39.77	14.65	6.87	6.70	8.30	9.81	15.90
HWQ16 - Bayou Grand Liard	55.87	77.88	41.13	77.89	55.14	46.56	16.00	12.22	8.69	10.67	25.45	26.78
CRMS 3985	39.23	61.29	30.05	64.09	56.71	45.66	12.72	6.55	11.40	16.57	19.39	27.50
CRMS 0258	57.04	96.89	50.29	85.98	79.77	64.27	27.93	14.50	13.94	15.83	11.67	33.45
CRMS 0224	66.26	118.16	56.34	96.50	88.67	66.91	29.25	15.12	12.54	14.82	12.63	43.08
CRMS 0163	122.02	164.27	121.20	121.86	109.20	79.08	57.02	54.71	53.60	113.19	148.45	143.22
CRMS 0162	128.97	153.54	101.08	118.27	102.67	85.31	71.51	40.64	26.93	91.80	121.28	144.86

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	145.76	241.19	171.38	178.29	173.14	129.86	71.32	60.22	60.07	138.64	164.17	201.65
CRMS0276 - Just east of Wilkinson Canal	-3.43	-14.23	-10.67	-11.35	-6.78	-10.37	0.48	0.77	-1.09	-2.79	-2.53	-6.61
Barataria Waterway at Lafitte (USACE82875)	-25.53	-36.58	-27.08	-20.36	-19.13	-13.77	-14.32	-14.27	-8.84	-18.52	-12.51	-25.28
USGS2928590900040000 Barataria Waterway South of Lafitte	76.37	185.19	95.52	132.19	126.40	90.60	34.60	28.94	21.21	35.52	24.36	89.96
USGS7380251 Barataria Bay North of Grand Isle	58.35	123.38	63.63	99.67	95.17	65.70	12.85	1.35	0.90	0.47	2.14	38.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	64.54	149.66	74.99	102.82	102.83	73.56	18.97	6.76	5.20	7.02	4.82	53.49
USGS 07380335 - Little Lake Near Cutoff	54.53	102.42	46.02	71.13	75.09	53.55	13.86	3.06	2.25	2.55	1.56	30.21
USGS073802516 Barataria Pass at Grand Isle	48.23	68.94	26.76	43.67	35.68	26.67	8.48	1.87	0.64	1.59	1.77	8.54
HWQ14 - Lake Washington	37.38	50.93	18.26	47.17	36.40	32.36	9.11	1.69	0.50	1.00	1.05	7.83
HWQ16 - Bayou Grand Liard	17.02	15.93	3.22	10.33	11.95	5.04	0.48	-0.60	-0.17	-0.07	0.43	1.24
CRMS 3985	29.78	41.70	20.73	54.29	48.38	38.68	7.05	-8.94	-2.72	-4.53	-4.00	14.03
CRMS 0258	41.27	65.80	20.60	37.88	35.53	24.02	11.26	4.84	-0.63	3.08	-0.34	19.68
CRMS 0224	53.99	96.42	36.15	56.19	57.24	41.64	17.04	5.60	2.24	4.47	2.11	31.36
CRMS 0163	-6.16	-9.68	-6.18	-4.99	-5.55	-2.09	-1.05	0.46	2.36	1.95	-5.48	-8.83
CRMS 0162	1.33	-5.02	-1.88	-3.44	-3.46	-2.11	1.40	2.34	0.85	8.27	1.53	0.13

Figure WQ TSS 151 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.83	9.06	11.71	15.84	17.38	12.12	9.23	9.12	8.82	8.52	6.00	12.17
CRMS0276 - Just east of Wilkinson Canal	52.64	85.05	72.61	65.66	61.95	33.49	18.76	15.92	23.62	21.23	40.01	74.57
Barataria Waterway at Lafitte (USACE82875)	91.87	122.23	102.00	85.22	74.50	51.26	60.21	57.16	60.20	54.65	85.17	146.12
USGS2928590900040000 Barataria Waterway South of Lafitte	6.70	9.80	13.48	20.10	23.12	14.54	8.55	7.69	8.37	8.23	4.95	9.39
USGS7380251 Barataria Bay North of Grand Isle	12.35	9.87	8.96	10.45	10.23	8.35	7.48	12.54	12.49	11.80	11.37	15.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.09	15.46	18.54	18.28	16.89	10.08	7.42	7.23	7.95	8.26	9.51	11.19
USGS 07380335 - Little Lake Near Cutoff	20.28	26.83	28.51	26.31	23.44	12.26	8.38	6.91	7.82	8.86	13.62	17.86
USGS073802516 Barataria Pass at Grand Isle	14.18	18.46	21.13	22.71	22.27	13.63	10.33	8.92	7.63	9.07	9.56	13.58
HWQ14 - Lake Washington	8.38	7.04	9.31	10.09	9.43	6.87	5.15	5.32	6.77	7.13	7.25	8.29
HWQ16 - Bayou Grand Liard	32.18	52.44	54.71	44.31	43.42	18.44	10.16	13.22	9.93	10.53	20.13	35.77
CRMS 3985	21.25	14.40	6.83	7.90	7.62	6.09	5.64	18.36	16.86	15.96	19.77	28.44
CRMS 0258	18.47	30.31	29.48	34.17	39.92	28.22	16.59	10.23	17.09	14.08	8.78	28.83
CRMS 0224	12.45	22.46	23.52	28.32	30.59	17.56	10.11	9.81	12.31	11.25	8.56	13.27
CRMS 0163	114.58	152.33	124.84	103.35	83.00	52.02	70.42	66.14	71.09	65.94	130.60	197.00
CRMS 0162	120.82	148.13	125.07	99.18	82.20	56.05	91.86	62.67	36.73	34.71	86.93	197.42

V3PR8 HYST - cy 3 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	163.63	234.09	200.46	176.49	147.40	76.35	97.99	85.78	88.36	95.21	151.08	262.48
CRMS0276 - Just east of Wilkinson Canal	45.98	72.14	61.36	57.82	58.90	31.30	17.21	15.31	21.73	21.12	39.45	64.25
Barataria Waterway at Lafitte (USACE82875)	71.48	87.74	71.94	67.18	64.24	42.51	43.17	41.64	46.76	45.92	74.42	107.03
USGS2928590900040000 Barataria Waterway South of Lafitte	93.61	183.42	159.28	137.45	112.67	39.45	44.84	40.34	32.40	34.42	26.20	141.70
USGS7380251 Barataria Bay North of Grand Isle	60.39	125.54	110.90	93.68	76.27	21.87	12.97	12.46	13.37	11.90	13.72	84.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	86.95	152.30	128.87	106.56	85.79	26.09	15.14	14.25	13.39	13.39	12.84	109.44
USGS 07380335 - Little Lake Near Cutoff	66.95	120.76	107.09	86.70	71.90	24.96	12.63	9.83	9.65	10.45	13.84	80.22
USGS073802516 Barataria Pass at Grand Isle	51.02	77.99	68.35	55.12	48.85	22.53	12.45	10.07	7.88	10.06	10.63	42.09
HWQ14 - Lake Washington	29.28	53.39	49.27	44.59	41.01	17.06	7.27	5.89	7.06	7.57	8.15	26.82
HWQ16 - Bayou Grand Liard	37.56	67.15	64.84	54.31	48.52	21.04	9.90	12.71	9.59	10.18	19.68	40.51
CRMS 3985	30.80	56.79	57.41	48.75	45.01	15.37	6.86	6.06	13.93	12.26	16.56	40.62
CRMS 0258	53.86	92.80	82.51	67.59	58.47	30.92	20.94	15.37	15.72	15.99	7.96	73.56
CRMS 0224	63.68	111.23	95.12	78.09	63.74	27.34	16.81	15.71	14.14	14.41	9.91	78.45
CRMS 0163	108.05	143.30	117.56	98.34	79.59	51.98	69.29	66.80	73.24	67.98	126.63	187.70
CRMS 0162	119.75	144.92	120.66	95.38	80.25	56.07	93.22	66.69	39.27	38.90	89.81	201.52

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	154.80	225.03	188.74	160.65	130.02	64.23	88.76	76.66	79.54	86.69	145.08	250.31
CRMS0276 - Just east of Wilkinson Canal	-6.66	-12.92	-11.25	-7.84	-3.05	-2.19	-1.55	-0.61	-1.89	-0.11	-0.56	-10.32
Barataria Waterway at Lafitte (USACE82875)	-20.39	-34.48	-30.06	-18.03	-10.26	-8.74	-17.04	-15.52	-13.45	-8.72	-10.74	-39.09
USGS2928590900040000 Barataria Waterway South of Lafitte	86.91	173.62	145.80	117.36	89.55	24.91	36.29	32.66	24.02	26.19	21.26	132.31
USGS7380251 Barataria Bay North of Grand Isle	48.04	115.68	101.95	83.23	66.04	13.52	5.48	-0.08	0.88	0.10	2.35	68.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	73.86	136.84	110.34	88.28	68.90	16.01	7.72	7.02	5.45	5.14	3.32	98.25
USGS 07380335 - Little Lake Near Cutoff	46.67	93.94	78.58	60.39	48.46	12.70	4.25	2.92	1.83	1.60	0.22	62.36
USGS073802516 Barataria Pass at Grand Isle	36.85	59.53	47.23	32.41	26.58	8.90	2.12	1.16	0.25	0.99	1.07	28.51
HWQ14 - Lake Washington	20.90	46.35	39.95	34.50	31.58	10.20	2.12	0.57	0.29	0.44	0.91	18.54
HWQ16 - Bayou Grand Liard	5.38	14.71	10.13	10.01	5.09	2.60	-0.26	-0.51	-0.34	-0.35	-0.45	4.74
CRMS 3985	9.55	42.38	50.58	40.86	37.39	9.29	1.22	-12.30	-2.93	-3.70	-3.21	12.18
CRMS 0258	35.39	62.49	53.03	33.42	18.55	2.69	4.34	5.14	-1.38	1.91	-0.82	44.73
CRMS 0224	51.23	88.77	71.60	49.78	33.15	9.78	6.69	5.90	1.83	3.16	1.35	65.18
CRMS 0163	-6.53	-9.03	-7.28	-5.01	-3.41	-0.04	-1.13	0.65	2.14	2.04	-3.97	-9.30
CRMS 0162	-1.07	-3.21	-4.41	-3.80	-1.95	0.02	1.36	4.02	2.54	4.19	2.88	4.09

Figure WQ TSS 152 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.23	11.07	11.17	17.85	20.17	12.10	9.01	9.14	7.68	8.17	11.57	12.75
CRMS0276 - Just east of Wilkinson Canal	28.34	119.02	75.69	111.40	92.08	49.67	14.62	9.98	14.17	26.46	65.93	67.97
Barataria Waterway at Lafitte (USACE82875)	79.75	175.08	127.24	126.83	121.94	84.30	54.08	46.77	24.32	100.80	127.35	126.77
USGS2928590900040000 Barataria Waterway South of Lafitte	4.06	11.99	11.86	25.97	26.79	15.55	7.86	7.48	6.66	6.69	9.77	12.02
USGS7380251 Barataria Bay North of Grand Isle	10.29	14.81	14.15	13.53	13.55	9.74	15.28	15.65	10.44	14.88	15.53	15.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.32	17.09	15.20	22.54	18.38	11.64	7.99	7.59	6.53	7.28	13.17	14.33
USGS 07380335 - Little Lake Near Cutoff	11.31	32.02	20.85	35.11	26.08	15.44	8.15	7.32	6.46	7.81	18.78	21.31
USGS073802516 Barataria Pass at Grand Isle	8.63	21.05	16.98	28.44	22.97	15.88	9.66	8.36	6.71	7.87	13.70	16.28
HWQ14 - Lake Washington	6.79	8.03	12.14	12.67	10.63	7.61	8.03	8.06	6.43	7.99	9.75	9.46
HWQ16 - Bayou Grand Liard	16.25	63.44	37.30	69.50	47.50	28.34	12.39	11.38	9.99	11.94	32.97	36.42
CRMS 3985	19.41	25.52	21.19	13.16	13.42	10.92	22.66	20.25	10.79	22.87	25.60	27.03
CRMS 0258	8.04	36.64	25.26	56.09	54.29	27.75	10.10	8.14	10.18	10.78	24.19	25.89
CRMS 0224	7.10	26.68	18.34	43.49	36.65	22.66	9.42	8.47	8.59	8.65	13.41	16.75
CRMS 0163	125.34	207.79	177.14	138.08	142.76	91.28	60.53	50.19	29.04	131.39	186.79	160.92
CRMS 0162	104.59	187.06	122.66	109.61	116.45	88.55	52.70	31.69	18.15	76.99	152.95	162.54

V3PR8 HYST - cy 3 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	175.21	265.43	237.74	157.28	202.96	119.03	90.32	56.54	50.06	163.05	201.00	173.89
CRMS0276 - Just east of Wilkinson Canal	25.83	97.36	66.10	106.23	80.36	46.60	14.49	10.21	13.21	23.48	63.56	63.92
Barataria Waterway at Lafitte (USACE82875)	63.43	137.38	92.60	108.51	101.15	68.36	39.39	30.54	27.52	76.21	108.82	101.15
USGS2928590900040000 Barataria Waterway South of Lafitte	51.80	162.55	128.72	56.71	122.23	36.40	38.26	32.05	21.57	43.21	34.76	32.51
USGS7380251 Barataria Bay North of Grand Isle	22.01	106.36	85.72	49.73	83.40	15.58	9.98	10.19	10.18	14.61	19.01	16.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	23.80	145.07	103.28	61.10	109.46	21.22	13.44	11.56	9.60	14.82	18.69	17.64
USGS 07380335 - Little Lake Near Cutoff	12.79	113.26	74.94	67.64	87.08	22.17	11.83	8.84	7.75	10.57	20.78	21.14
USGS073802516 Barataria Pass at Grand Isle	10.63	81.77	51.64	57.82	48.83	21.26	11.49	8.33	6.49	9.46	15.98	16.64
HWQ14 - Lake Washington	8.92	49.14	30.68	39.69	32.43	12.56	6.19	5.13	5.87	8.65	11.23	10.76
HWQ16 - Bayou Grand Liard	16.32	73.26	46.04	77.39	50.97	30.23	12.45	11.53	8.47	11.61	34.19	36.21
CRMS 3985	19.90	38.54	30.59	36.41	35.30	11.21	5.47	8.48	8.16	18.04	21.95	25.43
CRMS 0258	11.67	81.31	50.09	57.12	73.37	24.41	13.44	11.79	9.90	14.19	25.65	27.84
CRMS 0224	12.29	100.83	63.09	54.86	78.16	24.00	15.02	13.21	10.64	13.98	15.84	16.63
CRMS 0163	120.67	203.96	171.23	138.80	137.47	93.52	60.69	50.84	35.28	133.03	181.79	157.35
CRMS 0162	105.09	186.45	117.50	110.66	116.87	93.68	56.40	33.14	18.98	88.16	156.09	166.08

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	169.99	254.36	226.57	139.44	182.78	106.92	81.30	47.40	42.38	154.88	189.43	161.14
CRMS0276 - Just east of Wilkinson Canal	-2.50	-21.66	-9.59	-5.17	-11.72	-3.07	-0.14	0.23	-0.96	-2.99	-2.38	-4.04
Barataria Waterway at Lafitte (USACE82875)	-16.32	-37.69	-34.64	-18.32	-20.79	-15.94	-14.68	-16.22	3.20	-24.59	-18.53	-25.62
USGS2928590900040000 Barataria Waterway South of Lafitte	47.74	150.57	116.86	30.74	95.44	20.85	30.40	24.57	14.91	36.52	25.00	20.48
USGS7380251 Barataria Bay North of Grand Isle	11.72	91.54	71.57	36.19	69.86	5.83	-5.30	-5.46	-0.26	-0.27	3.47	1.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.47	127.98	88.08	38.56	91.08	9.59	5.46	3.98	3.07	7.54	5.52	3.31
USGS 07380335 - Little Lake Near Cutoff	1.48	81.24	54.09	32.53	61.01	6.74	3.68	1.51	1.29	2.76	2.00	-0.17
USGS073802516 Barataria Pass at Grand Isle	2.00	60.72	34.66	29.38	25.85	5.38	1.83	-0.03	-0.22	1.59	2.28	0.36
HWQ14 - Lake Washington	2.13	41.10	18.54	27.01	21.80	4.95	-1.84	-2.93	-0.56	0.67	1.48	1.30
HWQ16 - Bayou Grand Liard	0.07	9.82	8.73	7.89	3.47	1.89	0.06	0.15	-1.52	-0.33	1.22	-0.21
CRMS 3985	0.48	13.02	9.39	23.25	21.88	0.29	-17.19	-11.77	-2.63	-4.84	-3.65	-1.60
CRMS 0258	3.62	44.67	24.83	1.03	19.08	-3.34	3.34	3.65	-0.29	3.41	1.46	1.94
CRMS 0224	5.19	74.15	44.74	11.37	41.50	1.34	5.59	4.74	2.05	5.33	2.43	-0.12
CRMS 0163	-4.67	-3.83	-5.91	0.72	-5.30	2.24	0.16	0.65	6.25	1.64	-5.00	-3.57
CRMS 0162	0.51	-0.62	-5.16	1.05	0.43	5.12	3.70	1.46	0.83	11.17	3.14	3.54

Figure WQ TSS 153 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.20	7.03	10.10	15.50	17.16	14.24	11.84	13.25	11.78	10.42	5.84	6.71
CRMS0276 - Just east of Wilkinson Canal	32.93	77.35	44.74	71.60	73.21	57.32	38.36	32.76	43.41	32.59	27.50	34.69
Barataria Waterway at Lafitte (USACE82875)	70.69	103.97	65.14	85.59	95.61	74.50	77.32	71.49	73.48	76.28	56.94	92.22
USGS2928590900040000 Barataria Waterway South of Lafitte	4.41	8.02	11.47	20.26	22.43	18.93	10.34	10.78	12.97	10.98	5.58	5.31
USGS7380251 Barataria Bay North of Grand Isle	8.42	7.04	7.43	10.24	10.40	9.07	8.77	13.73	14.37	13.40	7.39	10.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.58	13.92	14.11	17.92	15.57	12.43	9.78	9.70	11.03	10.78	8.03	6.94
USGS 07380335 - Little Lake Near Cutoff	11.63	25.20	19.86	26.90	21.75	16.78	13.60	11.78	12.84	12.58	10.28	9.25
USGS073802516 Barataria Pass at Grand Isle	8.33	17.43	15.48	22.21	20.19	17.73	15.36	13.11	10.49	11.82	8.67	8.25
HWQ14 - Lake Washington	5.56	5.53	8.16	9.48	8.77	7.15	5.60	5.80	7.73	8.09	6.35	6.53
HWQ16 - Bayou Grand Liard	20.88	50.15	31.34	46.01	39.65	35.25	26.22	19.63	18.23	13.96	14.62	17.59
CRMS 3985	14.22	8.91	5.26	7.77	7.86	6.74	6.24	19.72	18.78	18.62	9.09	20.37
CRMS 0258	11.39	23.54	22.81	36.71	42.45	41.07	28.27	28.09	29.18	20.19	8.20	10.83
CRMS 0224	6.88	19.49	17.67	29.90	29.09	25.29	13.53	13.15	19.77	15.83	8.25	6.30
CRMS 0163	98.59	124.91	89.71	96.85	113.88	82.59	85.87	90.49	88.03	90.95	78.74	132.44
CRMS 0162	96.25	122.00	76.81	90.03	98.07	89.24	115.50	104.85	69.70	65.80	50.37	119.40

V3PR8 HYST - cy 3 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.39	192.85	156.02	157.66	185.44	148.13	159.09	132.61	105.38	115.72	95.97	151.77
CRMS0276 - Just east of Wilkinson Canal	40.10	59.81	37.17	65.24	63.65	49.87	48.83	40.27	41.83	31.13	29.98	32.15
Barataria Waterway at Lafitte (USACE82875)	55.40	76.74	45.44	73.44	76.29	59.08	50.66	48.40	61.01	64.78	52.79	69.60
USGS2928590900040000 Barataria Waterway South of Lafitte	117.87	151.59	109.59	117.20	142.01	109.41	117.01	73.13	32.87	38.00	19.49	29.61
USGS7380251 Barataria Bay North of Grand Isle	71.79	104.84	71.69	82.87	101.82	74.21	76.26	46.32	14.73	12.41	9.53	11.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	92.59	123.33	89.49	95.61	113.28	87.83	97.78	61.41	18.57	16.41	11.03	11.01
USGS 07380335 - Little Lake Near Cutoff	65.74	99.09	68.04	80.71	91.60	69.99	75.72	48.94	17.87	14.92	12.13	10.23
USGS073802516 Barataria Pass at Grand Isle	45.73	67.63	41.83	54.01	52.53	42.46	44.61	35.77	14.99	13.48	9.79	8.40
HWQ14 - Lake Washington	26.69	49.01	27.78	43.19	42.11	34.87	32.11	22.71	9.70	8.45	6.42	6.23
HWQ16 - Bayou Grand Liard	29.78	59.94	35.66	55.84	50.57	40.96	33.04	23.77	19.43	14.39	16.69	17.41
CRMS 3985	28.74	52.21	30.66	44.98	52.72	41.21	41.10	26.14	9.27	10.33	8.50	17.68
CRMS 0258	53.80	76.20	47.99	62.35	75.06	67.61	75.65	58.14	28.72	21.98	8.10	11.72
CRMS 0224	65.36	90.81	57.80	70.83	82.87	68.57	75.95	53.29	21.82	18.49	9.49	8.16
CRMS 0163	90.51	118.39	83.31	92.70	109.21	79.96	80.21	91.00	91.52	94.28	76.37	129.97
CRMS 0162	94.35	118.61	73.23	87.67	94.64	87.67	116.05	108.83	75.07	75.86	50.80	126.96

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.19	185.82	145.92	142.15	168.28	133.89	147.25	119.36	93.60	105.30	90.12	145.06
CRMS0276 - Just east of Wilkinson Canal	7.16	-17.55	-7.57	-6.36	-9.55	-7.45	10.47	7.51	-1.58	-1.46	2.48	-2.54
Barataria Waterway at Lafitte (USACE82875)	-15.28	-27.22	-19.69	-12.15	-19.32	-15.42	-26.67	-23.09	-12.47	-11.50	-4.15	-22.61
USGS2928590900040000 Barataria Waterway South of Lafitte	113.46	143.57	98.11	96.93	119.58	90.49	106.67	62.36	19.90	27.02	13.91	24.29
USGS7380251 Barataria Bay North of Grand Isle	63.37	97.80	64.26	72.63	91.42	65.14	67.49	32.59	0.36	-0.99	2.14	0.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.01	109.40	75.38	77.69	97.72	75.40	88.01	51.72	7.54	5.62	3.00	4.07
USGS 07380335 - Little Lake Near Cutoff	54.11	73.88	48.18	53.81	69.86	53.22	62.12	37.16	5.03	2.34	1.85	0.98
USGS073802516 Barataria Pass at Grand Isle	37.40	50.20	26.34	31.80	32.34	24.73	29.26	22.66	4.50	1.66	1.12	0.15
HWQ14 - Lake Washington	21.13	43.47	19.61	33.71	33.34	27.71	26.51	16.91	1.97	0.36	0.08	-0.30
HWQ16 - Bayou Grand Liard	8.89	9.78	4.31	9.83	10.93	5.71	6.82	4.14	1.20	0.43	2.07	-0.18
CRMS 3985	14.52	43.30	25.40	37.21	44.86	34.47	34.87	6.41	-9.52	-8.28	-0.59	-2.69
CRMS 0258	42.41	52.66	25.18	25.63	32.61	26.54	47.38	30.05	-0.46	1.79	-0.10	0.89
CRMS 0224	58.47	71.31	40.13	40.93	53.79	43.28	62.41	40.14	2.06	2.66	1.24	1.87
CRMS 0163	-8.08	-6.51	-6.40	-4.15	-4.68	-2.62	-5.66	0.51	3.49	3.33	-2.37	-2.47
CRMS 0162	-1.90	-3.38	-3.59	-2.36	-3.43	-1.57	0.55	3.97	5.37	10.06	0.43	7.56

Figure WQ TSS 154 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.81	3.23	14.35	22.52	23.58	14.89	10.72	11.13	9.41	9.16	5.61	13.45
CRMS0276 - Just east of Wilkinson Canal	57.64	42.38	109.58	105.05	117.47	41.29	25.92	23.58	33.91	27.10	27.16	111.23
Barataria Waterway at Lafitte (USACE82875)	99.14	91.22	181.79	129.80	150.34	50.73	54.22	56.78	59.79	60.58	58.31	189.45
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	3.72	12.09	29.87	32.95	19.42	9.39	8.90	10.08	9.67	5.09	11.86
USGS7380251 Barataria Bay North of Grand Isle	11.85	5.07	17.48	16.23	13.15	9.37	8.11	9.93	11.47	11.69	9.12	16.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.18	9.21	18.28	28.36	23.57	14.14	8.36	8.71	8.97	9.56	8.44	13.80
USGS 07380335 - Little Lake Near Cutoff	27.09	14.72	27.83	42.02	35.48	18.12	10.45	9.56	10.07	10.96	11.58	25.28
USGS073802516 Barataria Pass at Grand Isle	18.83	10.58	20.78	34.35	31.77	19.06	12.66	11.46	8.61	10.50	8.62	18.43
HWQ14 - Lake Washington	9.24	4.64	12.32	15.70	11.84	8.70	5.46	5.46	6.21	7.22	6.32	7.90
HWQ16 - Bayou Grand Liard	40.19	23.52	68.65	72.03	77.48	31.10	16.03	13.47	13.69	12.12	16.14	59.43
CRMS 3985	19.36	9.10	29.78	14.30	10.10	6.89	5.03	10.99	14.78	15.81	14.97	30.20
CRMS 0258	14.48	10.93	40.03	52.36	63.95	32.55	22.20	22.19	22.17	18.29	8.34	33.98
CRMS 0224	16.30	12.14	21.13	45.35	47.47	24.32	11.40	11.64	16.21	14.25	7.75	17.18
CRMS 0163	123.22	114.85	238.19	148.92	169.71	51.31	59.80	69.63	71.58	64.50	93.10	242.58
CRMS 0162	125.98	90.49	221.88	138.29	163.09	60.32	79.38	75.70	47.37	36.32	59.20	245.13

V3PR8 HYST - cy 3 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.96	137.92	355.21	229.36	253.69	112.39	117.08	87.19	86.60	84.35	132.26	347.40
CRMS0276 - Just east of Wilkinson Canal	57.02	38.15	95.27	92.20	110.99	38.14	34.87	26.28	32.13	26.12	29.19	89.66
Barataria Waterway at Lafitte (USACE82875)	81.25	66.85	119.13	102.66	119.50	43.60	36.23	40.69	49.82	51.59	51.06	129.90
USGS2928590900040000 Barataria Waterway South of Lafitte	40.48	23.08	280.71	182.88	208.90	80.09	83.11	39.59	30.57	33.49	34.79	278.54
USGS7380251 Barataria Bay North of Grand Isle	31.12	12.32	196.86	131.57	152.71	48.73	54.29	19.43	12.80	11.46	16.61	198.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	45.58	13.61	236.06	148.71	168.66	57.41	67.61	23.27	14.94	14.65	14.57	237.97
USGS 07380335 - Little Lake Near Cutoff	51.35	16.23	192.43	124.02	144.94	45.85	52.04	20.04	12.97	13.04	11.55	189.14
USGS073802516 Barataria Pass at Grand Isle	44.31	12.36	111.51	78.51	89.01	32.89	33.06	19.53	10.72	12.12	8.97	117.03
HWQ14 - Lake Washington	31.42	8.50	72.41	64.65	72.84	28.41	23.85	12.46	7.47	7.81	6.07	70.53
HWQ16 - Bayou Grand Liard	46.22	23.09	94.58	82.75	92.01	31.36	22.35	13.90	13.93	12.45	16.04	83.26
CRMS 3985	32.22	17.20	96.73	71.31	86.27	31.08	30.45	11.37	9.45	9.40	9.09	86.40
CRMS 0258	32.87	9.92	143.64	97.44	116.50	41.01	56.24	31.39	20.49	20.02	8.71	143.01
CRMS 0224	42.69	12.64	166.46	112.00	130.14	41.33	53.83	24.57	17.42	16.86	9.34	168.58
CRMS 0163	116.80	112.73	224.12	141.58	167.90	50.38	57.33	70.20	73.59	66.12	91.53	229.81
CRMS 0162	127.48	97.17	212.63	134.21	163.87	59.27	78.89	79.09	50.60	39.82	62.35	244.61

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	137.15	134.69	340.86	206.84	230.12	97.50	106.36	76.06	77.19	75.19	126.65	333.95
CRMS0276 - Just east of Wilkinson Canal	-0.63	-4.23	-14.31	-12.85	-6.48	-3.15	8.94	2.70	-1.78	-0.98	2.03	-21.57
Barataria Waterway at Lafitte (USACE82875)	-17.89	-24.37	-62.66	-27.14	-30.84	-7.13	-17.99	-16.10	-9.98	-8.99	-7.25	-59.55
USGS2928590900040000 Barataria Waterway South of Lafitte	33.62	19.36	268.61	153.01	175.96	60.67	73.72	30.69	20.50	23.82	29.70	266.68
USGS7380251 Barataria Bay North of Grand Isle	19.27	7.25	179.38	115.35	139.55	39.36	46.17	9.50	1.33	-0.24	7.50	181.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	28.40	4.40	217.78	120.34	145.09	43.27	59.26	14.56	5.98	5.08	6.13	224.16
USGS 07380335 - Little Lake Near Cutoff	24.26	1.51	164.60	82.00	109.46	27.73	41.59	10.48	2.90	2.08	-0.03	163.86
USGS073802516 Barataria Pass at Grand Isle	25.49	1.77	90.73	44.16	57.24	13.84	20.40	8.07	2.11	1.62	0.35	98.60
HWQ14 - Lake Washington	22.18	3.86	60.09	48.95	61.00	19.71	18.39	7.00	1.26	0.60	-0.25	62.63
HWQ16 - Bayou Grand Liard	6.04	-0.43	25.93	10.71	14.53	0.25	6.31	0.44	0.24	0.33	-0.09	23.83
CRMS 3985	12.87	8.10	66.95	57.01	76.17	24.18	25.42	0.38	-5.33	-6.42	-5.88	56.20
CRMS 0258	18.38	-1.01	103.61	45.09	52.56	8.46	34.04	9.20	-1.69	1.73	0.37	109.02
CRMS 0224	26.39	0.49	145.32	66.65	82.67	17.01	42.42	12.92	1.20	2.62	1.59	151.39
CRMS 0163	-6.42	-2.12	-14.07	-7.33	-1.81	-0.93	-2.47	0.57	2.01	1.63	-1.58	-12.77
CRMS 0162	1.50	6.67	-9.25	-4.08	0.78	-1.05	-0.49	3.39	3.23	3.51	3.15	-0.52

Figure WQ TSS 155 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.38	9.62	11.92	18.59	17.99	13.89	9.62	8.70	8.35	8.52	7.49	10.02
CRMS0276 - Just east of Wilkinson Canal	65.92	99.81	58.80	100.13	72.24	64.90	23.16	12.19	19.12	26.04	50.73	52.21
Barataria Waterway at Lafitte (USACE82875)	113.71	139.95	91.74	115.88	93.00	77.45	51.96	46.30	47.73	82.77	101.35	106.90
USGS2928590900040000 Barataria Waterway South of Lafitte	5.77	9.57	12.81	25.00	23.73	18.29	9.35	7.53	7.76	7.62	6.43	8.49
USGS7380251 Barataria Bay North of Grand Isle	5.94	11.25	10.28	12.30	11.00	9.20	7.83	11.36	11.20	13.61	13.74	10.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.76	14.79	16.02	23.07	17.31	12.57	8.81	7.14	7.06	7.83	10.75	11.04
USGS 07380335 - Little Lake Near Cutoff	21.56	27.44	22.81	36.46	23.90	17.65	10.95	7.07	6.56	8.27	14.74	15.76
USGS073802516 Barataria Pass at Grand Isle	14.04	19.19	17.72	28.92	22.34	19.18	13.32	8.87	6.88	8.69	11.33	12.56
HWQ14 - Lake Washington	4.13	6.67	9.95	11.45	9.92	7.42	5.54	5.18	6.20	7.29	8.76	8.07
HWQ16 - Bayou Grand Liard	38.85	61.96	37.91	67.55	43.19	41.53	15.53	12.82	8.86	10.73	25.01	25.54
CRMS 3985	9.45	19.59	9.32	9.80	8.32	6.99	5.67	15.49	14.12	21.09	23.39	13.48
CRMS 0258	15.77	31.09	29.69	48.10	44.24	40.24	16.67	9.66	14.57	12.76	12.01	13.76
CRMS 0224	12.27	21.74	20.19	40.31	31.43	25.27	12.22	9.52	10.30	10.35	10.52	11.72
CRMS 0163	128.18	173.95	127.38	126.85	114.75	81.16	58.08	54.25	51.24	111.25	153.93	152.05
CRMS 0162	127.64	158.56	102.96	121.70	106.13	87.42	70.11	38.30	26.08	83.54	119.75	144.73

V3PR9 HYST - cy 3 - 2002 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.29	9.34	11.59	17.65	17.45	13.08	9.41	8.69	8.27	8.48	7.56	9.80
CRMS0276 - Just east of Wilkinson Canal	57.81	90.85	52.74	95.83	69.41	62.91	21.68	11.58	16.21	21.74	50.00	46.74
Barataria Waterway at Lafitte (USACE82875)	91.81	107.40	63.40	95.34	76.15	65.04	38.56	30.73	36.28	58.92	84.31	79.00
USGS2928590900040000 Barataria Waterway South of Lafitte	5.45	9.05	11.83	22.93	22.63	17.21	8.98	7.32	7.38	7.26	6.21	7.72
USGS7380251 Barataria Bay North of Grand Isle	5.93	11.09	11.41	14.91	11.30	9.15	7.86	11.68	11.30	13.74	14.33	10.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.28	13.13	13.98	21.32	16.98	12.02	8.55	6.97	6.61	7.01	11.70	9.96
USGS 07380335 - Little Lake Near Cutoff	19.01	24.78	19.79	32.74	22.81	16.54	10.69	6.97	6.33	7.62	17.81	15.11
USGS073802516 Barataria Pass at Grand Isle	12.42	17.66	16.12	27.23	21.97	18.31	12.98	8.81	6.51	7.97	12.03	11.88
HWQ14 - Lake Washington	3.87	6.54	10.30	13.34	10.06	7.16	5.34	5.43	6.38	7.47	9.16	7.78
HWQ16 - Bayou Grand Liard	34.81	57.25	34.55	62.89	40.54	39.32	15.01	12.75	9.38	11.93	27.50	25.17
CRMS 3985	9.44	19.57	14.93	15.44	9.00	7.11	5.68	15.77	14.23	21.17	24.64	13.58
CRMS 0258	14.47	29.01	28.27	44.69	41.63	38.38	16.23	9.13	10.68	10.00	13.28	13.09
CRMS 0224	10.61	18.88	17.57	35.95	29.43	23.18	11.61	9.00	9.25	8.32	11.85	10.82
CRMS 0163	121.84	164.63	118.35	122.56	111.25	80.12	55.72	52.67	50.22	105.34	141.26	143.32
CRMS 0162	125.94	155.31	99.33	118.41	101.76	86.09	69.97	38.96	26.38	83.42	116.52	142.26

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.27	-0.32	-0.94	-0.54	-0.80	-0.21	-0.01	-0.08	-0.04	0.06	-0.22
CRMS0276 - Just east of Wilkinson Canal	-8.11	-8.96	-6.06	-4.30	-2.83	-1.99	-1.48	-0.61	-2.91	-4.30	-0.72	-5.47
Barataria Waterway at Lafitte (USACE82875)	-21.91	-32.55	-28.34	-20.55	-16.85	-12.41	-13.40	-15.57	-11.45	-23.85	-17.04	-27.90
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.32	-0.52	-0.99	-2.07	-1.10	-1.08	-0.37	-0.21	-0.38	-0.36	-0.21	-0.77
USGS7380251 Barataria Bay North of Grand Isle	-0.01	-0.17	1.14	2.61	0.30	-0.04	0.04	0.32	0.10	0.13	0.59	-0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.49	-1.66	-2.04	-1.75	-0.34	-0.55	-0.26	-0.17	-0.46	-0.82	0.95	-1.09
USGS 07380335 - Little Lake Near Cutoff	-2.55	-2.65	-3.03	-3.73	-1.09	-1.10	-0.26	-0.10	-0.24	-0.65	3.06	-0.65
USGS073802516 Barataria Pass at Grand Isle	-1.62	-1.53	-1.60	-1.69	-0.37	-0.88	-0.33	-0.06	-0.37	-0.72	0.70	-0.67
HWQ14 - Lake Washington	-0.26	-0.13	0.34	1.89	0.14	-0.26	-0.20	0.24	0.18	0.18	0.40	-0.29
HWQ16 - Bayou Grand Liard	-4.04	-4.70	-3.36	-4.67	-2.65	-2.21	-0.52	-0.07	0.52	1.20	2.49	-0.37
CRMS 3985	-0.01	-0.02	5.62	5.65	0.68	0.12	0.01	0.29	0.11	0.08	1.25	0.10
CRMS 0258	-1.31	-2.09	-1.42	-3.42	-2.61	-1.86	-0.43	-0.53	-3.90	-2.76	1.27	-0.67
CRMS 0224	-1.65	-2.86	-2.62	-4.36	-2.00	-2.09	-0.61	-0.51	-1.06	-2.03	1.33	-0.90
CRMS 0163	-6.34	-9.32	-9.03	-4.28	-3.50	-1.04	-2.36	-1.58	-1.02	-5.91	-12.67	-8.73
CRMS 0162	-1.70	-3.25	-3.63	-3.30	-4.37	-1.33	-0.14	0.66	0.29	-0.11	-3.24	-2.46

Figure WQ TSS 156 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.83	9.06	11.71	15.84	17.38	12.12	9.23	9.12	8.82	8.52	6.00	12.17
CRMS0276 - Just east of Wilkinson Canal	52.64	85.05	72.61	65.66	61.95	33.49	18.76	15.92	23.62	21.23	40.01	74.57
Barataria Waterway at Lafitte (USACE82875)	91.87	122.23	102.00	85.22	74.50	51.26	60.21	57.16	60.20	54.65	85.17	146.12
USGS2928590900040000 Barataria Waterway South of Lafitte	6.70	9.80	13.48	20.10	23.12	14.54	8.55	7.69	8.37	8.23	4.95	9.39
USGS7380251 Barataria Bay North of Grand Isle	12.35	9.87	8.96	10.45	10.23	8.35	7.48	12.54	12.49	11.80	11.37	15.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.09	15.46	18.54	18.28	16.89	10.08	7.42	7.23	7.95	8.26	9.51	11.19
USGS 07380335 - Little Lake Near Cutoff	20.28	26.83	28.51	26.31	23.44	12.26	8.38	6.91	7.82	8.86	13.62	17.86
USGS073802516 Barataria Pass at Grand Isle	14.18	18.46	21.13	22.71	22.27	13.63	10.33	8.92	7.63	9.07	9.56	13.58
HWQ14 - Lake Washington	8.38	7.04	9.31	10.09	9.43	6.87	5.15	5.32	6.77	7.13	7.25	8.29
HWQ16 - Bayou Grand Liard	32.18	52.44	54.71	44.31	43.42	18.44	10.16	13.22	9.93	10.53	20.13	35.77
CRMS 3985	21.25	14.40	6.83	7.90	7.62	6.09	5.64	18.36	16.86	15.96	19.77	28.44
CRMS 0258	18.47	30.31	29.48	34.17	39.92	28.22	16.59	10.23	17.09	14.08	8.78	28.83
CRMS 0224	12.45	22.46	23.52	28.32	30.59	17.56	10.11	9.81	12.31	11.25	8.56	13.27
CRMS 0163	114.58	152.33	124.84	103.35	83.00	52.02	70.42	66.14	71.09	65.94	130.60	197.00
CRMS 0162	120.82	148.13	125.07	99.18	82.20	56.05	91.86	62.67	36.73	34.71	86.93	197.42

V3PR9 HYST - cy 3 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.57	7.90	10.50	14.94	16.19	11.55	9.12	9.38	8.69	8.26	6.10	12.20
CRMS0276 - Just east of Wilkinson Canal	46.87	78.46	67.90	62.86	60.80	32.09	16.26	13.18	19.32	19.82	38.40	67.34
Barataria Waterway at Lafitte (USACE82875)	72.45	90.48	75.27	67.51	64.82	41.03	40.55	37.63	42.04	42.50	70.01	103.99
USGS2928590900040000 Barataria Waterway South of Lafitte	6.28	8.75	12.04	19.17	21.60	13.98	8.25	7.61	7.74	7.41	4.84	8.96
USGS7380251 Barataria Bay North of Grand Isle	11.48	5.73	8.01	9.84	9.69	8.13	8.05	14.34	12.83	12.07	11.84	15.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.81	13.44	16.57	17.51	15.98	9.68	7.11	7.05	7.21	7.42	9.01	10.32
USGS 07380335 - Little Lake Near Cutoff	18.82	24.47	26.38	25.23	22.61	11.83	8.03	6.66	6.91	8.15	13.38	17.30
USGS073802516 Barataria Pass at Grand Isle	13.09	16.93	19.54	22.16	21.65	13.25	9.90	8.62	7.19	8.41	9.17	13.02
HWQ14 - Lake Washington	8.12	5.15	7.61	9.16	8.65	6.44	5.01	6.21	7.19	7.34	7.64	8.31
HWQ16 - Bayou Grand Liard	29.95	49.77	51.91	42.22	42.01	17.82	9.76	12.84	9.55	11.12	19.67	35.26
CRMS 3985	18.55	4.77	6.86	7.40	7.30	6.02	8.17	20.46	17.17	16.39	20.50	27.09
CRMS 0258	17.56	28.33	28.29	33.30	37.90	27.67	16.12	9.52	12.85	11.99	9.16	28.62
CRMS 0224	11.24	19.74	21.34	27.24	28.82	16.61	9.55	9.11	9.78	9.04	9.12	13.22
CRMS 0163	106.71	145.35	118.06	99.56	80.08	51.58	66.71	62.51	69.43	62.49	121.07	184.15
CRMS 0162	119.05	146.43	122.44	97.01	80.77	54.73	90.54	61.89	35.45	35.90	84.99	194.35

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.26	-1.16	-1.21	-0.90	-1.19	-0.57	-0.11	0.26	-0.13	-0.26	0.10	0.03
CRMS0276 - Just east of Wilkinson Canal	-5.77	-6.59	-4.71	-2.80	-1.16	-1.40	-2.50	-2.74	-4.30	-1.41	-1.60	-7.23
Barataria Waterway at Lafitte (USACE82875)	-19.42	-31.75	-26.73	-17.71	-9.68	-10.23	-19.66	-19.54	-18.16	-12.15	-15.16	-42.12
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.42	-1.05	-1.44	-0.92	-1.52	-0.56	-0.30	-0.08	-0.64	-0.81	-0.11	-0.43
USGS7380251 Barataria Bay North of Grand Isle	-0.87	-4.14	-0.94	-0.60	-0.54	-0.23	0.57	1.79	0.34	0.27	0.47	-0.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.28	-2.02	-1.96	-0.77	-0.91	-0.40	-0.30	-0.18	-0.74	-0.84	-0.51	-0.88
USGS 07380335 - Little Lake Near Cutoff	-1.47	-2.36	-2.13	-1.08	-0.83	-0.43	-0.35	-0.25	-0.91	-0.71	-0.25	-0.55
USGS073802516 Barataria Pass at Grand Isle	-1.09	-1.53	-1.59	-0.56	-0.62	-0.38	-0.43	-0.30	-0.44	-0.66	-0.39	-0.56
HWQ14 - Lake Washington	-0.26	-1.89	-1.70	-0.93	-0.78	-0.43	-0.14	0.89	0.42	0.21	0.39	0.03
HWQ16 - Bayou Grand Liard	-2.23	-2.67	-2.79	-2.09	-1.41	-0.61	-0.40	-0.38	-0.39	0.60	-0.45	-0.52
CRMS 3985	-2.70	-9.64	0.03	-0.50	-0.32	-0.06	2.53	2.10	0.31	0.43	0.73	-1.35
CRMS 0258	-0.91	-1.98	-1.19	-0.87	-2.02	-0.56	-0.48	-0.71	-4.24	-2.09	0.38	-0.20
CRMS 0224	-1.21	-2.72	-2.19	-1.08	-1.77	-0.95	-0.57	-0.70	-2.54	-2.21	0.57	-0.05
CRMS 0163	-7.87	-6.98	-6.78	-3.79	-2.92	-0.45	-3.70	-3.64	-1.67	-3.45	-9.53	-12.85
CRMS 0162	-1.76	-1.70	-2.63	-2.17	-1.44	-1.33	-1.32	-0.78	-1.28	1.18	-1.94	-3.08

Figure WQ TSS 157 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.23	11.07	11.17	17.85	20.17	12.10	9.01	9.14	7.68	8.17	11.57	12.75
CRMS0276 - Just east of Wilkinson Canal	28.34	119.02	75.69	111.40	92.08	49.67	14.62	9.98	14.17	26.46	65.93	67.97
Barataria Waterway at Lafitte (USACE82875)	79.75	175.08	127.24	126.83	121.94	84.30	54.08	46.77	24.32	100.80	127.35	126.77
USGS2928590900040000 Barataria Waterway South of Lafitte	4.06	11.99	11.86	25.97	26.79	15.55	7.86	7.48	6.66	6.69	9.77	12.02
USGS7380251 Barataria Bay North of Grand Isle	10.29	14.81	14.15	13.53	13.55	9.74	15.28	15.65	10.44	14.88	15.53	15.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.32	17.09	15.20	22.54	18.38	11.64	7.99	7.59	6.53	7.28	13.17	14.33
USGS 07380335 - Little Lake Near Cutoff	11.31	32.02	20.85	35.11	26.08	15.44	8.15	7.32	6.46	7.81	18.78	21.31
USGS073802516 Barataria Pass at Grand Isle	8.63	21.05	16.98	28.44	22.97	15.88	9.66	8.36	6.71	7.87	13.70	16.28
HWQ14 - Lake Washington	6.79	8.03	12.14	12.67	10.63	7.61	8.03	8.06	6.43	7.99	9.75	9.46
HWQ16 - Bayou Grand Liard	16.25	63.44	37.30	69.50	47.50	28.34	12.39	11.38	9.99	11.94	32.97	36.42
CRMS 3985	19.41	25.52	21.19	13.16	13.42	10.92	22.66	20.25	10.79	22.87	25.60	27.03
CRMS 0258	8.04	36.64	25.26	56.09	54.29	27.75	10.10	8.14	10.18	10.78	24.19	25.89
CRMS 0224	7.10	26.68	18.34	43.49	36.65	22.66	9.42	8.47	8.59	8.65	13.41	16.75
CRMS 0163	125.34	207.79	177.14	138.08	142.76	91.28	60.53	50.19	29.04	131.39	186.79	160.92
CRMS 0162	104.59	187.06	122.66	109.61	116.45	88.55	52.70	31.69	18.15	76.99	152.95	162.54

V3PR9 HYST - cy 3 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	5.15	10.74	10.62	17.14	19.17	11.37	9.09	9.29	7.72	8.22	11.42	12.21
CRMS0276 - Just east of Wilkinson Canal	23.83	106.27	67.61	104.35	85.18	46.03	12.30	9.08	12.50	22.55	62.23	61.76
Barataria Waterway at Lafitte (USACE82875)	59.50	135.08	88.75	105.45	99.71	66.75	36.61	27.47	22.98	70.36	102.92	95.35
USGS2928590900040000 Barataria Waterway South of Lafitte	3.82	11.14	10.82	23.38	24.10	14.06	7.60	7.32	6.37	6.37	9.18	11.18
USGS7380251 Barataria Bay North of Grand Isle	10.39	14.61	14.53	17.57	16.24	10.45	15.89	16.09	10.57	14.98	15.69	15.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.65	14.91	14.04	21.06	17.61	11.28	7.79	7.39	6.24	6.55	13.04	12.99
USGS 07380335 - Little Lake Near Cutoff	10.60	28.47	19.37	31.58	23.48	14.40	7.79	7.24	6.20	7.48	19.98	20.38
USGS073802516 Barataria Pass at Grand Isle	8.09	19.27	16.24	26.65	21.99	15.55	9.42	8.11	6.53	7.24	13.35	15.45
HWQ14 - Lake Washington	6.92	8.11	12.03	15.70	12.57	8.03	8.82	8.50	6.59	8.24	9.91	9.25
HWQ16 - Bayou Grand Liard	15.09	59.64	36.25	62.66	43.56	27.37	12.11	10.98	9.62	11.56	32.96	35.62
CRMS 3985	19.59	25.24	23.38	21.10	19.17	12.01	23.09	20.51	10.89	22.92	25.77	26.35
CRMS 0258	7.55	33.28	22.52	50.94	49.21	24.92	9.22	7.44	7.88	7.40	23.69	24.18
CRMS 0224	6.56	22.38	16.05	38.42	31.86	20.19	8.86	7.83	7.17	6.31	13.97	14.90
CRMS 0163	115.07	197.50	164.25	133.53	134.95	90.61	55.86	46.72	29.10	125.05	173.52	150.76
CRMS 0162	101.96	183.52	113.29	104.77	112.85	88.57	51.27	32.77	18.07	75.31	149.26	160.06

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	-0.33	-0.55	-0.70	-1.00	-0.73	0.08	0.14	0.04	0.05	-0.15	-0.54
CRMS0276 - Just east of Wilkinson Canal	-4.51	-12.75	-8.08	-7.05	-6.90	-3.64	-2.32	-0.91	-1.67	-3.92	-3.71	-6.21
Barataria Waterway at Lafitte (USACE82875)	-20.25	-40.00	-38.49	-21.38	-22.24	-17.55	-17.46	-19.30	-1.34	-30.44	-24.43	-31.43
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.23	-0.85	-1.04	-2.60	-2.70	-1.49	-0.27	-0.16	-0.29	-0.33	-0.58	-0.85
USGS7380251 Barataria Bay North of Grand Isle	0.10	-0.20	0.39	4.04	2.70	0.71	0.61	0.44	0.12	0.10	0.15	-0.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.67	-2.18	-1.16	-1.48	-0.77	-0.35	-0.20	-0.20	-0.29	-0.73	-0.13	-1.34
USGS 07380335 - Little Lake Near Cutoff	-0.71	-3.55	-1.47	-3.54	-2.60	-1.04	-0.36	-0.08	-0.27	-0.33	1.20	-0.93
USGS073802516 Barataria Pass at Grand Isle	-0.54	-1.78	-0.74	-1.79	-0.98	-0.33	-0.24	-0.25	-0.17	-0.63	-0.34	-0.83
HWQ14 - Lake Washington	0.13	0.08	-0.11	3.03	1.93	0.42	0.78	0.45	0.16	0.26	0.16	-0.21
HWQ16 - Bayou Grand Liard	-1.16	-3.80	-1.06	-6.84	-3.94	-0.97	-0.28	-0.40	-0.37	-0.39	-0.01	-0.81
CRMS 3985	0.17	-0.27	2.19	7.93	5.75	1.09	0.43	0.26	0.11	0.04	0.17	-0.68
CRMS 0258	-0.49	-3.36	-2.74	-5.15	-5.08	-2.83	-0.88	-0.71	-2.30	-3.39	-0.49	-1.71
CRMS 0224	-0.54	-4.30	-2.29	-5.07	-4.79	-2.47	-0.57	-0.64	-1.42	-2.34	0.56	-1.85
CRMS 0163	-10.27	-10.29	-12.89	-4.55	-7.81	-0.67	-4.67	-3.48	0.06	-6.34	-13.26	-10.16
CRMS 0162	-2.63	-3.54	-9.37	-4.84	-3.59	0.02	-1.43	1.08	-0.08	-1.68	-3.69	-2.48

Figure WQ TSS 158 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.20	7.03	10.10	15.50	17.16	14.24	11.84	13.25	11.78	10.42	5.84	6.71
CRMS0276 - Just east of Wilkinson Canal	32.93	77.35	44.74	71.60	73.21	57.32	38.36	32.76	43.41	32.59	27.50	34.69
Barataria Waterway at Lafitte (USACE82875)	70.69	103.97	65.14	85.59	95.61	74.50	77.32	71.49	73.48	76.28	56.94	92.22
USGS2928590900040000 Barataria Waterway South of Lafitte	4.41	8.02	11.47	20.26	22.43	18.93	10.34	10.78	12.97	10.98	5.58	5.31
USGS7380251 Barataria Bay North of Grand Isle	8.42	7.04	7.43	10.24	10.40	9.07	8.77	13.73	14.37	13.40	7.39	10.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.58	13.92	14.11	17.92	15.57	12.43	9.78	9.70	11.03	10.78	8.03	6.94
USGS 07380335 - Little Lake Near Cutoff	11.63	25.20	19.86	26.90	21.75	16.78	13.60	11.78	12.84	12.58	10.28	9.25
USGS073802516 Barataria Pass at Grand Isle	8.33	17.43	15.48	22.21	20.19	17.73	15.36	13.11	10.49	11.82	8.67	8.25
HWQ14 - Lake Washington	5.56	5.53	8.16	9.48	8.77	7.15	5.60	5.80	7.73	8.09	6.35	6.53
HWQ16 - Bayou Grand Liard	20.88	50.15	31.34	46.01	39.65	35.25	26.22	19.63	18.23	13.96	14.62	17.59
CRMS 3985	14.22	8.91	5.26	7.77	7.86	6.74	6.24	19.72	18.78	18.62	9.09	20.37
CRMS 0258	11.39	23.54	22.81	36.71	42.45	41.07	28.27	28.09	29.18	20.19	8.20	10.83
CRMS 0224	6.88	19.49	17.67	29.90	29.09	25.29	13.53	13.15	19.77	15.83	8.25	6.30
CRMS 0163	98.59	124.91	89.71	96.85	113.88	82.59	85.87	90.49	88.03	90.95	78.74	132.44
CRMS 0162	96.25	122.00	76.81	90.03	98.07	89.24	115.50	104.85	69.70	65.80	50.37	119.40

V3PR9 HYST - cy 3 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	4.50	5.87	9.10	14.39	16.11	13.31	13.60	14.58	11.92	10.26	6.40	5.71
CRMS0276 - Just east of Wilkinson Canal	28.93	71.41	42.37	69.45	68.43	55.07	30.63	27.75	38.51	27.63	30.33	33.52
Barataria Waterway at Lafitte (USACE82875)	57.05	79.23	46.49	73.52	77.68	60.52	55.35	51.31	57.49	59.25	49.42	66.62
USGS2928590900040000 Barataria Waterway South of Lafitte	3.17	6.90	10.41	18.91	20.87	17.02	10.18	11.23	12.07	9.89	5.48	4.39
USGS7380251 Barataria Bay North of Grand Isle	3.82	3.95	7.01	9.49	9.95	9.19	16.13	17.67	15.34	13.89	9.99	6.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.49	11.19	12.95	16.85	14.53	11.05	8.40	9.90	10.29	9.84	8.92	6.34
USGS 07380335 - Little Lake Near Cutoff	10.04	21.81	18.94	25.32	20.34	14.69	10.16	10.90	11.37	11.16	12.55	10.17
USGS073802516 Barataria Pass at Grand Isle	6.54	15.00	14.56	21.38	19.24	16.06	11.93	12.51	10.25	11.07	9.38	8.04
HWQ14 - Lake Washington	2.26	3.61	7.05	8.49	8.10	6.62	7.93	8.55	8.61	8.57	7.43	5.10
HWQ16 - Bayou Grand Liard	19.13	46.60	30.22	44.05	37.40	33.05	21.29	17.16	16.23	12.77	17.17	18.57
CRMS 3985	6.03	3.25	5.63	7.21	7.66	8.92	23.44	23.59	19.66	19.19	14.91	5.49
CRMS 0258	10.63	21.59	22.17	34.87	39.50	39.21	26.85	27.56	25.13	17.13	7.99	11.76
CRMS 0224	5.56	16.39	16.62	28.10	26.35	22.47	11.18	12.29	16.39	13.58	8.24	6.73
CRMS 0163	91.81	119.74	83.66	93.61	110.60	79.94	80.82	88.87	86.02	87.48	71.81	126.47
CRMS 0162	95.27	120.41	73.71	87.59	94.86	87.13	112.75	103.79	70.36	67.67	48.98	120.88

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.70	-1.16	-0.99	-1.11	-1.04	-0.93	1.76	1.33	0.14	-0.17	0.55	-1.00
CRMS0276 - Just east of Wilkinson Canal	-4.00	-5.94	-2.37	-2.15	-4.78	-2.25	-7.73	-5.01	-4.90	-4.95	2.83	-1.17
Barataria Waterway at Lafitte (USACE82875)	-13.63	-24.74	-18.64	-12.07	-17.93	-13.98	-21.97	-20.18	-15.99	-17.03	-7.52	-25.60
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.24	-1.12	-1.06	-1.35	-1.56	-1.90	-0.16	0.45	-0.90	-1.10	-0.11	-0.92
USGS7380251 Barataria Bay North of Grand Isle	-4.59	-3.09	-0.43	-0.75	-0.45	0.12	7.37	3.94	0.98	0.49	2.60	-4.95
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.09	-2.73	-1.16	-1.08	-1.04	-1.37	-1.38	0.20	-0.74	-0.94	0.89	-0.60
USGS 07380335 - Little Lake Near Cutoff	-1.58	-3.39	-0.92	-1.58	-1.41	-2.09	-3.44	-0.88	-1.47	-1.42	2.26	0.92
USGS073802516 Barataria Pass at Grand Isle	-1.79	-2.42	-0.93	-0.84	-0.95	-1.67	-3.42	-0.60	-0.25	-0.75	0.71	-0.20
HWQ14 - Lake Washington	-3.30	-1.93	-1.11	-0.98	-0.67	-0.54	2.33	2.76	0.89	0.48	1.09	-1.43
HWQ16 - Bayou Grand Liard	-1.76	-3.55	-1.12	-1.96	-2.25	-2.20	-4.93	-2.47	-2.00	-1.18	2.55	0.99
CRMS 3985	-8.19	-5.66	0.38	-0.56	-0.20	2.18	17.20	3.87	0.87	0.57	5.82	-14.87
CRMS 0258	-0.76	-1.95	-0.64	-1.85	-2.95	-1.86	-1.42	-0.54	-4.05	-3.06	-0.21	0.93
CRMS 0224	-1.33	-3.10	-1.05	-1.80	-2.73	-2.82	-2.36	-0.86	-3.37	-2.25	-0.02	0.43
CRMS 0163	-6.78	-5.17	-6.05	-3.24	-3.28	-2.65	-5.06	-1.62	-2.02	-3.47	-6.93	-5.96
CRMS 0162	-0.98	-1.58	-3.10	-2.44	-3.21	-2.10	-2.75	-1.07	0.66	1.87	-1.39	1.48

Figure WQ TSS 159 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.81	3.23	14.35	22.52	23.58	14.89	10.72	11.13	9.41	9.16	5.61	13.45
CRMS0276 - Just east of Wilkinson Canal	57.64	42.38	109.58	105.05	117.47	41.29	25.92	23.58	33.91	27.10	27.16	111.23
Barataria Waterway at Lafitte (USACE82875)	99.14	91.22	181.79	129.80	150.34	50.73	54.22	56.78	59.79	60.58	58.31	189.45
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	3.72	12.09	29.87	32.95	19.42	9.39	8.90	10.08	9.67	5.09	11.86
USGS7380251 Barataria Bay North of Grand Isle	11.85	5.07	17.48	16.23	13.15	9.37	8.11	9.93	11.47	11.69	9.12	16.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.18	9.21	18.28	28.36	23.57	14.14	8.36	8.71	8.97	9.56	8.44	13.80
USGS 07380335 - Little Lake Near Cutoff	27.09	14.72	27.83	42.02	35.48	18.12	10.45	9.56	10.07	10.96	11.58	25.28
USGS073802516 Barataria Pass at Grand Isle	18.83	10.58	20.78	34.35	31.77	19.06	12.66	11.46	8.61	10.50	8.62	18.43
HWQ14 - Lake Washington	9.24	4.64	12.32	15.70	11.84	8.70	5.46	5.46	6.21	7.22	6.32	7.90
HWQ16 - Bayou Grand Liard	40.19	23.52	68.65	72.03	77.48	31.10	16.03	13.47	13.69	12.12	16.14	59.43
CRMS 3985	19.36	9.10	29.78	14.30	10.10	6.89	5.03	10.99	14.78	15.81	14.97	30.20
CRMS 0258	14.48	10.93	40.03	52.36	63.95	32.55	22.20	22.19	22.17	18.29	8.34	33.98
CRMS 0224	16.30	12.14	21.13	45.35	47.47	24.32	11.40	11.64	16.21	14.25	7.75	17.18
CRMS 0163	123.22	114.85	238.19	148.92	169.71	51.31	59.80	69.63	71.58	64.50	93.10	242.58
CRMS 0162	125.98	90.49	221.88	138.29	163.09	60.32	79.38	75.70	47.37	36.32	59.20	245.13

V3PR9 HYST - cy 3 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	6.35	3.00	13.99	21.54	22.54	14.71	10.79	11.28	9.25	8.91	5.92	13.06
CRMS0276 - Just east of Wilkinson Canal	52.05	38.00	100.22	100.14	114.08	42.10	23.53	20.42	29.16	23.96	27.90	96.72
Barataria Waterway at Lafitte (USACE82875)	81.06	64.30	123.40	103.66	119.88	44.65	41.36	40.79	46.00	48.36	47.96	134.80
USGS2928590900040000 Barataria Waterway South of Lafitte	6.20	3.29	12.01	28.63	31.02	19.46	9.36	8.84	9.32	8.68	4.97	11.10
USGS7380251 Barataria Bay North of Grand Isle	11.38	4.91	17.30	15.67	12.77	9.28	8.14	10.16	11.60	12.12	10.06	15.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.24	8.54	16.74	26.78	22.30	13.94	8.08	8.16	7.97	8.31	8.31	12.16
USGS 07380335 - Little Lake Near Cutoff	24.71	13.97	26.09	39.74	33.59	17.83	10.00	8.58	8.39	9.22	11.80	23.01
USGS073802516 Barataria Pass at Grand Isle	17.03	10.14	19.77	33.25	30.69	18.95	12.19	10.46	7.84	9.44	8.42	16.94
HWQ14 - Lake Washington	8.70	4.46	12.49	15.19	11.23	8.21	5.25	5.31	6.42	7.25	6.91	7.70
HWQ16 - Bayou Grand Liard	36.94	22.44	67.13	68.74	74.96	30.99	14.40	12.73	12.00	11.09	15.96	54.81
CRMS 3985	18.88	9.03	29.99	14.14	9.89	6.80	4.99	11.55	15.02	16.65	16.40	27.49
CRMS 0258	13.23	11.64	40.87	50.11	60.51	33.34	22.37	21.92	18.28	15.49	8.01	32.67
CRMS 0224	14.59	11.65	20.45	42.64	44.46	24.41	10.95	11.03	13.06	11.89	7.62	15.22
CRMS 0163	114.14	109.00	223.13	143.60	166.71	50.72	58.33	67.69	70.58	62.57	85.78	230.15
CRMS 0162	124.85	88.31	213.67	134.92	162.61	59.40	78.33	75.06	46.80	37.37	57.24	242.13

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.46	-0.23	-0.36	-0.98	-1.03	-0.18	0.07	0.15	-0.16	-0.26	0.31	-0.40
CRMS0276 - Just east of Wilkinson Canal	-5.59	-4.39	-9.37	-4.91	-3.39	0.81	-2.40	-3.16	-4.75	-3.13	0.74	-14.51
Barataria Waterway at Lafitte (USACE82875)	-18.08	-26.92	-58.40	-26.14	-30.46	-6.08	-12.87	-16.00	-13.79	-12.22	-10.35	-54.65
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.66	-0.42	-0.09	-1.23	-1.93	0.03	-0.03	-0.06	-0.76	-1.00	-0.13	-0.76
USGS7380251 Barataria Bay North of Grand Isle	-0.47	-0.16	-0.19	-0.55	-0.39	-0.09	0.03	0.23	0.13	0.42	0.95	-1.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.94	-0.67	-1.55	-1.58	-1.26	-0.20	-0.28	-0.55	-1.00	-1.25	-0.13	-1.64
USGS 07380335 - Little Lake Near Cutoff	-2.38	-0.75	-1.74	-2.28	-1.89	-0.30	-0.45	-0.98	-1.67	-1.74	0.22	-2.26
USGS073802516 Barataria Pass at Grand Isle	-1.79	-0.45	-1.01	-1.10	-1.08	-0.10	-0.47	-1.00	-0.77	-1.06	-0.21	-1.49
HWQ14 - Lake Washington	-0.54	-0.18	0.17	-0.51	-0.60	-0.49	-0.21	-0.15	0.21	0.03	0.58	-0.20
HWQ16 - Bayou Grand Liard	-3.25	-1.08	-1.51	-3.30	-2.52	-0.12	-1.64	-0.74	-1.69	-1.03	-0.18	-4.62
CRMS 3985	-0.47	-0.07	0.21	-0.16	-0.21	-0.09	-0.04	0.55	0.25	0.83	1.43	-2.71
CRMS 0258	-1.25	0.72	0.84	-2.25	-3.44	0.79	0.18	-0.27	-3.89	-2.81	-0.33	-1.31
CRMS 0224	-1.70	-0.49	-0.68	-2.71	-3.01	0.09	-0.45	-0.61	-3.15	-2.36	-0.13	-1.97
CRMS 0163	-9.09	-5.85	-15.06	-5.32	-3.01	-0.59	-1.47	-1.95	-1.01	-1.93	-7.32	-12.43
CRMS 0162	-1.13	-2.19	-8.20	-3.37	-0.48	-0.92	-1.05	-0.64	-0.57	1.05	-1.96	-2.99

Figure WQ TSS 160 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.02	14.92	22.22	30.86	22.41	15.30	12.75	13.40	16.57	18.79	9.07	8.06
CRMS0276 - Just east of Wilkinson Canal	50.86	107.98	128.86	110.57	49.72	43.73	33.35	24.44	48.31	51.50	25.38	23.45
Barataria Waterway at Lafitte (USACE82875)	126.64	177.82	172.26	147.44	69.10	64.22	59.01	57.85	91.49	86.95	49.18	76.39
USGS2928590900040000 Barataria Waterway South of Lafitte	9.08	19.68	27.06	41.56	28.29	20.28	11.87	11.43	21.48	23.39	9.51	7.51
USGS7380251 Barataria Bay North of Grand Isle	13.31	15.46	18.39	17.78	13.94	9.92	8.85	10.87	14.37	16.23	10.55	10.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.83	24.32	31.74	35.61	23.47	14.37	11.91	11.29	15.26	19.51	11.08	7.68
USGS 07380335 - Little Lake Near Cutoff	12.84	36.80	46.51	48.78	27.52	17.23	14.55	11.03	16.57	22.67	12.40	8.69
USGS073802516 Barataria Pass at Grand Isle	8.60	24.28	33.21	39.10	26.21	17.24	16.33	12.18	11.67	18.74	11.09	7.99
HWQ14 - Lake Washington	6.50	10.63	16.66	18.19	15.17	9.19	7.02	7.23	7.49	11.06	8.96	7.22
HWQ16 - Bayou Grand Liard	19.82	52.74	78.21	76.48	37.51	25.29	21.89	13.24	18.15	23.93	13.76	11.75
CRMS 3985	24.76	24.46	18.99	12.53	10.29	7.67	6.10	12.11	16.78	19.63	14.14	16.30
CRMS 0258	20.32	53.72	60.14	67.55	39.41	36.80	22.80	22.56	44.18	40.95	13.85	10.50
CRMS 0224	9.91	39.67	46.08	57.31	33.60	24.76	14.98	14.03	28.64	30.35	12.43	7.55
CRMS 0163	174.84	206.44	194.29	159.57	78.48	70.89	64.88	68.75	110.77	91.37	64.38	106.13
CRMS 0162	168.40	198.91	178.44	153.00	79.13	80.78	88.94	81.34	88.82	82.72	34.96	84.69

V3PR2 HYST - cy 4 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	219.01	260.93	245.89	207.63	121.87	116.61	108.62	97.70	137.80	105.33	75.52	133.26
CRMS0276 - Just east of Wilkinson Canal	48.51	97.25	114.62	105.94	47.21	40.66	32.22	26.94	47.98	50.77	25.41	22.40
Barataria Waterway at Lafitte (USACE82875)	121.90	172.52	168.49	144.17	66.87	62.18	56.29	55.46	90.88	86.11	48.50	73.89
USGS2928590900040000 Barataria Waterway South of Lafitte	84.75	139.73	146.27	125.86	63.97	65.62	60.91	50.87	43.46	53.48	15.23	27.18
USGS7380251 Barataria Bay North of Grand Isle	38.22	60.79	79.09	68.34	37.61	35.37	33.40	23.37	23.00	24.81	10.23	11.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	41.51	68.91	96.76	74.20	43.72	40.67	39.12	25.23	24.15	36.95	12.86	10.80
USGS 07380335 - Little Lake Near Cutoff	24.93	58.65	80.00	65.86	38.59	33.68	30.20	17.96	19.76	33.67	13.12	9.17
USGS073802516 Barataria Pass at Grand Isle	21.49	38.61	60.24	53.20	29.22	22.99	21.89	16.82	15.70	26.61	11.79	8.51
HWQ14 - Lake Washington	19.24	28.47	42.41	41.22	23.23	18.21	16.14	11.68	11.33	19.62	9.22	7.44
HWQ16 - Bayou Grand Liard	19.43	51.75	73.29	70.60	35.37	25.18	20.61	13.43	18.33	24.68	13.93	10.75
CRMS 3985	27.97	33.65	35.99	36.19	21.62	18.89	17.20	12.49	11.71	13.57	10.69	15.53
CRMS 0258	44.72	73.53	77.99	73.95	44.81	50.10	51.75	46.92	45.13	49.07	14.57	13.04
CRMS 0224	42.49	78.35	87.55	74.44	45.65	47.46	48.67	36.04	30.80	45.16	13.81	10.80
CRMS 0163	172.14	203.95	193.45	158.82	77.62	69.80	63.74	69.17	112.46	91.94	64.44	105.42
CRMS 0162	165.65	198.19	176.48	152.22	79.26	80.27	89.56	82.02	87.90	81.29	34.78	83.04

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	206.98	246.01	223.67	176.77	99.46	101.32	95.87	84.29	121.23	86.54	66.46	125.20
CRMS0276 - Just east of Wilkinson Canal	-2.35	-10.73	-14.24	-4.62	-2.51	-3.08	-1.13	2.50	-0.33	-0.73	0.03	-1.05
Barataria Waterway at Lafitte (USACE82875)	-4.74	-5.30	-3.76	-3.27	-2.23	-2.04	-2.72	-2.39	-0.61	-0.83	-0.68	-2.51
USGS2928590900040000 Barataria Waterway South of Lafitte	75.66	120.05	119.21	84.30	35.68	45.34	49.04	39.44	21.98	30.09	5.72	19.67
USGS7380251 Barataria Bay North of Grand Isle	24.91	45.33	60.70	50.56	23.67	25.45	24.55	12.50	8.63	8.58	-0.32	1.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	32.67	44.59	65.01	38.58	20.25	26.30	27.22	13.94	8.89	17.45	1.77	3.12
USGS 07380335 - Little Lake Near Cutoff	12.09	21.85	33.48	17.08	11.07	16.46	15.65	6.93	3.19	11.00	0.71	0.49
USGS073802516 Barataria Pass at Grand Isle	12.90	14.33	27.03	14.09	3.02	5.75	5.56	4.64	4.03	7.87	0.71	0.52
HWQ14 - Lake Washington	12.74	17.84	25.75	23.04	8.06	9.03	9.12	4.45	3.84	8.55	0.26	0.22
HWQ16 - Bayou Grand Liard	-0.39	-0.99	-4.92	-5.88	-2.14	-0.11	-1.28	0.19	0.18	0.75	0.18	-1.00
CRMS 3985	3.21	9.19	17.00	23.66	11.32	11.22	11.10	0.38	-5.07	-6.06	-3.45	-0.77
CRMS 0258	24.40	19.81	17.85	6.40	5.40	13.30	28.95	24.37	0.96	8.12	0.72	2.54
CRMS 0224	32.59	38.68	41.47	17.12	12.04	22.71	33.69	22.01	2.16	14.81	1.38	3.25
CRMS 0163	-2.70	-2.49	-0.85	-0.75	-0.85	-1.09	-1.14	0.43	1.70	0.57	0.06	-0.71
CRMS 0162	-2.75	-0.72	-1.96	-0.78	0.14	-0.51	0.63	0.67	-0.92	-1.42	-0.18	-1.64

Figure WQ TSS 161 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.91	14.01	17.74	22.57	23.86	15.62	11.36	11.36	11.24	11.36	8.39	16.31
CRMS0276 - Just east of Wilkinson Canal	59.22	95.03	82.72	71.39	64.05	32.82	18.33	15.54	24.63	24.44	44.48	83.81
Barataria Waterway at Lafitte (USACE82875)	101.60	142.42	120.23	100.67	84.99	50.97	57.97	56.10	63.64	56.40	95.85	171.66
USGS2928590900040000 Barataria Waterway South of Lafitte	11.03	18.11	21.80	29.23	32.25	19.79	10.46	9.46	12.60	12.50	8.02	15.24
USGS7380251 Barataria Bay North of Grand Isle	13.61	12.03	12.14	13.33	13.28	10.00	9.26	14.55	13.36	12.90	12.63	17.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.22	23.31	25.41	24.10	23.70	14.34	9.04	8.12	10.06	11.03	12.31	16.35
USGS 07380335 - Little Lake Near Cutoff	23.38	35.40	35.57	31.51	29.27	16.11	9.20	7.69	9.23	11.45	16.60	23.58
USGS073802516 Barataria Pass at Grand Isle	16.69	24.36	26.69	26.56	26.31	16.63	11.18	8.52	8.68	10.67	11.57	17.34
HWQ14 - Lake Washington	9.90	9.92	13.07	13.82	13.51	9.39	6.38	6.78	7.82	8.63	8.51	10.73
HWQ16 - Bayou Grand Liard	30.85	54.80	57.69	46.50	44.56	18.99	9.69	12.89	10.57	11.53	20.94	37.23
CRMS 3985	22.11	15.79	9.03	9.27	9.61	7.51	9.81	20.66	17.32	16.68	20.48	29.20
CRMS 0258	24.94	45.11	40.88	44.22	49.03	32.05	16.26	11.34	23.53	20.81	14.61	40.26
CRMS 0224	17.85	35.72	33.80	36.87	39.90	22.62	11.25	9.81	16.81	15.68	12.82	23.41
CRMS 0163	125.50	167.39	141.15	115.45	93.88	54.04	69.66	66.33	72.68	65.97	139.88	215.34
CRMS 0162	123.58	157.26	131.44	106.97	91.50	60.12	97.29	62.49	33.34	33.85	81.86	199.98

V3PR2 HYST - cy 4 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	155.04	221.03	188.08	165.04	136.79	76.12	98.21	85.08	86.45	93.11	146.23	253.05
CRMS0276 - Just east of Wilkinson Canal	56.86	85.30	72.86	67.89	62.43	32.12	18.06	16.39	23.65	23.06	43.10	76.94
Barataria Waterway at Lafitte (USACE82875)	98.35	137.72	116.76	97.80	82.88	49.71	57.32	54.84	60.03	53.90	94.61	167.12
USGS2928590900040000 Barataria Waterway South of Lafitte	63.18	127.80	107.83	95.25	76.09	34.63	36.96	33.11	28.87	30.70	23.21	106.95
USGS7380251 Barataria Bay North of Grand Isle	34.64	60.01	53.31	50.20	45.61	18.84	12.53	14.88	16.75	15.35	16.11	44.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.00	72.84	68.66	55.31	51.40	22.37	12.24	11.34	13.92	14.67	14.37	48.69
USGS 07380335 - Little Lake Near Cutoff	35.85	57.11	55.95	46.92	45.33	21.27	10.56	8.54	10.34	12.05	14.82	36.58
USGS073802516 Barataria Pass at Grand Isle	30.25	42.56	42.58	37.36	33.53	20.51	12.34	9.48	9.92	12.38	12.50	23.79
HWQ14 - Lake Washington	23.31	32.19	29.18	29.27	25.99	14.79	8.08	7.13	9.46	10.97	11.00	18.96
HWQ16 - Bayou Grand Liard	31.54	51.78	52.28	43.96	42.16	20.00	9.45	12.23	10.14	10.79	19.47	35.22
CRMS 3985	25.71	28.62	23.24	25.41	25.65	13.03	8.61	17.01	17.80	16.62	20.82	31.99
CRMS 0258	46.71	63.01	53.12	50.18	55.47	33.90	23.50	19.27	23.58	22.62	15.26	61.30
CRMS 0224	45.73	69.66	60.78	53.21	55.25	27.40	16.85	15.40	18.54	17.94	14.14	55.07
CRMS 0163	124.23	165.73	140.66	114.32	93.12	53.79	70.96	66.53	71.41	63.78	139.51	214.38
CRMS 0162	122.04	156.45	131.29	104.93	91.58	60.51	97.18	62.76	32.73	32.75	81.56	199.86

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.13	207.02	170.34	142.46	112.93	60.49	86.85	73.72	75.22	81.75	137.84	236.74
CRMS0276 - Just east of Wilkinson Canal	-2.37	-9.74	-9.87	-3.50	-1.62	-0.70	-0.26	0.85	-0.98	-1.37	-1.38	-6.87
Barataria Waterway at Lafitte (USACE82875)	-3.25	-4.70	-3.47	-2.87	-2.10	-1.26	-0.66	-1.26	-3.60	-2.50	-1.24	-4.54
USGS2928590900040000 Barataria Waterway South of Lafitte	52.15	109.69	86.03	66.03	43.85	14.83	26.50	23.64	16.27	18.20	15.19	91.71
USGS7380251 Barataria Bay North of Grand Isle	21.03	47.98	41.17	36.87	32.34	8.84	3.28	0.33	3.40	2.45	3.48	27.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	26.78	49.53	43.25	31.20	27.70	8.03	3.19	3.22	3.86	3.64	2.06	32.34
USGS 07380335 - Little Lake Near Cutoff	12.47	21.71	20.38	15.41	16.06	5.16	1.36	0.85	1.12	0.60	-1.78	13.00
USGS073802516 Barataria Pass at Grand Isle	13.56	18.20	15.89	10.80	7.22	3.87	1.17	0.97	1.23	1.71	0.94	6.46
HWQ14 - Lake Washington	13.41	22.28	16.10	15.44	12.48	5.40	1.70	0.35	1.64	2.34	2.49	8.24
HWQ16 - Bayou Grand Liard	0.68	-3.02	-5.42	-2.54	-2.40	1.00	-0.24	-0.66	-0.43	-0.74	-1.47	-2.01
CRMS 3985	3.61	12.84	14.21	16.14	16.04	5.51	-1.20	-3.65	0.48	-0.07	0.34	2.79
CRMS 0258	21.78	17.90	12.24	5.96	6.44	1.85	7.25	7.94	0.05	1.81	0.65	21.04
CRMS 0224	27.88	33.94	26.98	16.34	15.35	4.77	5.60	5.60	1.73	2.26	1.32	31.66
CRMS 0163	-1.27	-1.66	-0.50	-1.13	-0.76	-0.24	1.29	0.20	-1.27	-2.18	-0.37	-0.96
CRMS 0162	-1.55	-0.81	-0.14	-2.04	0.08	0.39	-0.11	0.27	-0.61	-1.11	-0.30	-0.11

Figure WQ TSS 162 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.58	16.63	17.03	31.09	29.42	17.05	11.20	11.25	9.29	10.25	15.96	17.79
CRMS0276 - Just east of Wilkinson Canal	34.91	134.93	91.26	122.33	96.87	50.97	16.13	10.64	14.67	28.09	79.95	77.28
Barataria Waterway at Lafitte (USACE82875)	88.83	204.66	153.21	141.89	137.35	91.19	52.60	43.25	21.29	110.01	148.12	147.44
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	21.32	19.52	47.14	41.20	24.10	9.97	9.13	8.55	9.29	15.92	19.13
USGS7380251 Barataria Bay North of Grand Isle	11.09	17.13	16.88	18.19	16.32	11.72	15.75	15.95	10.83	15.53	18.25	17.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.59	25.95	20.99	32.98	26.76	17.21	9.73	8.25	7.73	8.83	17.80	21.23
USGS 07380335 - Little Lake Near Cutoff	13.70	42.64	27.65	45.13	33.17	20.67	9.83	9.27	7.79	10.19	25.02	28.34
USGS073802516 Barataria Pass at Grand Isle	10.58	27.55	21.59	35.04	27.83	19.07	11.19	8.24	7.26	8.70	17.01	21.39
HWQ14 - Lake Washington	7.84	10.79	14.70	17.59	14.65	10.35	8.72	8.43	7.16	8.70	11.41	13.00
HWQ16 - Bayou Grand Liard	16.44	67.96	43.15	73.24	47.27	28.10	12.86	11.80	10.74	13.06	36.46	38.44
CRMS 3985	20.38	26.94	22.67	15.33	13.40	12.45	22.54	19.90	10.87	23.04	28.35	27.82
CRMS 0258	12.72	57.70	39.17	84.72	70.03	37.34	11.70	8.91	14.34	17.59	35.88	39.43
CRMS 0224	10.57	43.67	28.67	66.60	51.57	30.20	10.93	8.37	10.47	10.56	21.91	28.29
CRMS 0163	134.00	224.76	196.66	146.53	156.86	97.87	61.01	48.85	26.73	130.83	200.84	174.90
CRMS 0162	99.72	183.60	109.18	109.00	123.52	88.48	48.90	32.26	16.88	60.90	142.24	162.02

V3PR2 HYST - cy 4 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	169.65	251.21	229.00	153.56	195.82	118.79	89.04	55.77	49.41	159.63	198.70	173.90
CRMS0276 - Just east of Wilkinson Canal	34.93	123.11	88.54	121.45	90.93	50.13	17.34	11.36	14.42	27.47	78.57	77.06
Barataria Waterway at Lafitte (USACE82875)	88.20	199.10	151.96	141.31	134.03	89.95	52.23	41.99	21.23	108.01	148.63	148.97
USGS2928590900040000 Barataria Waterway South of Lafitte	33.57	118.94	83.07	55.99	96.61	38.78	33.31	27.31	18.89	40.88	31.74	31.19
USGS7380251 Barataria Bay North of Grand Isle	11.34	60.60	42.32	43.81	54.97	16.93	11.98	15.57	12.74	19.14	19.68	14.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.48	74.03	49.90	54.08	62.13	22.50	12.29	10.54	10.18	14.59	22.20	23.42
USGS 07380335 - Little Lake Near Cutoff	13.72	61.84	39.00	59.66	51.30	24.09	11.49	9.24	8.01	11.14	25.26	28.39
USGS073802516 Barataria Pass at Grand Isle	10.27	49.54	32.76	48.18	36.57	22.95	12.53	8.98	8.10	11.25	19.44	21.74
HWQ14 - Lake Washington	5.95	35.99	23.71	33.04	26.70	14.26	8.02	7.57	7.88	11.67	13.87	11.50
HWQ16 - Bayou Grand Liard	16.69	64.32	42.27	74.00	46.10	29.66	13.20	11.73	9.83	11.81	35.55	38.19
CRMS 3985	12.35	35.84	21.67	29.62	26.13	12.37	11.60	18.57	10.98	23.26	15.85	8.33
CRMS 0258	16.59	68.30	42.40	79.22	76.33	39.44	19.14	16.12	15.50	22.12	38.02	40.52
CRMS 0224	13.48	67.95	41.94	65.73	70.55	33.37	16.37	13.39	12.50	16.74	25.50	29.59
CRMS 0163	134.16	223.10	198.24	147.73	156.18	97.93	61.89	48.85	26.20	130.62	204.70	179.60
CRMS 0162	99.17	182.82	109.61	115.52	125.65	91.95	49.69	32.34	16.95	59.14	142.99	164.88

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	162.08	234.58	211.97	122.47	166.40	101.74	77.84	44.53	40.12	149.39	182.75	156.11
CRMS0276 - Just east of Wilkinson Canal	0.02	-11.82	-2.72	-0.88	-5.94	-0.84	1.21	0.72	-0.25	-0.61	-1.39	-0.22
Barataria Waterway at Lafitte (USACE82875)	-0.63	-5.56	-1.25	-0.58	-3.31	-1.25	-0.37	-1.26	-0.06	-2.01	0.51	1.53
USGS2928590900040000 Barataria Waterway South of Lafitte	26.71	97.62	63.55	8.85	55.41	14.67	23.34	18.18	10.34	31.59	15.82	12.06
USGS7380251 Barataria Bay North of Grand Isle	0.25	43.47	25.43	25.62	38.64	5.21	-3.77	-0.37	1.91	3.61	1.44	-3.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	2.89	48.08	28.92	21.10	35.37	5.29	2.56	2.29	2.45	5.76	4.40	2.19
USGS 07380335 - Little Lake Near Cutoff	0.02	19.21	11.34	14.53	18.13	3.42	1.66	-0.02	0.22	0.95	0.24	0.05
USGS073802516 Barataria Pass at Grand Isle	-0.31	21.99	11.17	13.14	8.74	3.88	1.34	0.73	0.84	2.56	2.43	0.35
HWQ14 - Lake Washington	-1.89	25.20	9.02	15.45	12.05	3.90	-0.70	-0.86	0.72	2.98	2.46	-1.49
HWQ16 - Bayou Grand Liard	0.25	-3.64	-0.88	0.76	-1.17	1.56	0.34	-0.07	-0.91	-1.25	-0.90	-0.25
CRMS 3985	-8.03	8.90	-1.00	14.29	12.73	-0.08	-10.95	-1.34	0.11	0.22	-12.49	-19.48
CRMS 0258	3.87	10.60	3.23	-5.50	6.29	2.09	7.44	7.21	1.16	4.53	2.13	1.09
CRMS 0224	2.90	24.29	13.27	-0.87	18.99	3.17	5.44	5.02	2.03	6.17	3.59	1.30
CRMS 0163	0.16	-1.66	1.58	1.19	-0.68	0.06	0.89	0.00	-0.53	-0.20	3.86	4.70
CRMS 0162	-0.55	-0.78	0.43	6.52	2.13	3.47	0.80	0.09	0.07	-1.76	0.75	2.85

Figure WQ TSS 163 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.17	10.81	14.71	23.11	23.27	19.74	16.84	17.69	16.42	14.98	9.27	9.68
CRMS0276 - Just east of Wilkinson Canal	38.13	87.01	51.08	77.57	79.05	59.38	36.45	33.84	46.43	36.44	31.27	38.54
Barataria Waterway at Lafitte (USACE82875)	80.41	122.64	78.98	98.48	110.63	81.02	83.25	78.47	81.39	79.35	59.67	107.67
USGS2928590900040000 Barataria Waterway South of Lafitte	7.02	14.10	17.60	31.55	32.13	27.55	13.72	14.76	20.72	17.74	9.36	8.67
USGS7380251 Barataria Bay North of Grand Isle	9.26	9.03	9.81	12.89	13.18	11.44	16.93	18.43	16.04	15.37	11.56	12.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.51	19.44	18.75	24.30	21.59	18.18	11.63	12.68	15.93	15.57	11.04	9.31
USGS 07380335 - Little Lake Near Cutoff	13.78	31.65	24.46	32.56	27.09	22.85	13.73	12.96	16.74	16.72	12.88	11.37
USGS073802516 Barataria Pass at Grand Isle	10.02	21.48	19.13	26.40	23.86	21.20	15.13	13.44	13.29	14.98	10.88	9.81
HWQ14 - Lake Washington	6.43	7.67	10.79	12.93	12.34	9.80	8.31	8.97	9.53	10.47	9.09	8.32
HWQ16 - Bayou Grand Liard	20.60	52.10	33.57	48.62	41.16	36.59	22.57	17.76	19.10	15.39	15.40	17.09
CRMS 3985	14.76	11.18	7.04	8.80	9.87	10.04	23.69	24.31	19.80	20.10	16.05	21.29
CRMS 0258	14.75	36.53	30.10	50.56	54.49	47.11	26.40	27.09	39.76	29.51	15.19	16.10
CRMS 0224	9.99	29.82	24.44	41.60	39.72	33.04	14.67	15.35	28.82	22.81	12.46	10.10
CRMS 0163	108.29	137.65	102.43	106.77	125.09	89.79	93.98	94.54	91.95	91.70	80.34	144.32
CRMS 0162	102.39	130.55	80.08	95.96	104.55	98.81	127.62	110.26	63.57	60.18	47.12	117.64

V3PR2 HYST - cy 4 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	154.63	180.96	146.17	147.87	175.80	140.17	151.74	129.93	103.29	111.87	91.51	148.85
CRMS0276 - Just east of Wilkinson Canal	39.08	77.97	46.14	75.78	73.32	55.32	36.82	36.24	46.10	36.16	30.74	37.89
Barataria Waterway at Lafitte (USACE82875)	76.70	119.25	75.57	95.84	107.41	78.49	79.82	75.06	81.00	78.20	59.11	105.88
USGS2928590900040000 Barataria Waterway South of Lafitte	73.45	104.99	69.02	83.04	103.02	82.11	87.61	63.29	33.80	38.04	17.09	25.83
USGS7380251 Barataria Bay North of Grand Isle	32.18	50.90	34.03	49.61	56.85	41.17	41.35	31.27	16.65	15.86	13.05	14.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	36.26	61.16	42.43	53.99	59.80	48.97	49.26	39.07	20.32	18.94	13.50	13.33
USGS 07380335 - Little Lake Near Cutoff	25.43	48.26	32.98	48.36	49.35	41.54	36.58	27.42	18.85	17.77	13.59	12.70
USGS073802516 Barataria Pass at Grand Isle	20.05	37.85	27.27	37.90	33.97	29.06	25.06	22.28	15.31	16.47	12.25	11.24
HWQ14 - Lake Washington	16.77	28.78	19.50	29.74	26.91	22.07	19.07	16.34	10.51	11.68	10.30	9.47
HWQ16 - Bayou Grand Liard	20.05	47.62	31.66	47.04	39.51	36.11	22.46	17.57	19.24	15.48	15.41	16.69
CRMS 3985	18.37	23.36	14.84	25.71	27.13	22.55	19.64	15.82	11.96	16.17	15.55	21.10
CRMS 0258	37.40	46.56	34.36	55.09	62.88	61.44	67.94	56.66	41.58	33.20	15.91	18.95
CRMS 0224	38.58	52.46	37.35	55.62	61.06	57.93	63.21	46.54	30.77	25.68	14.44	13.73
CRMS 0163	106.28	136.80	101.26	105.21	123.21	88.69	93.29	94.39	93.15	91.36	80.15	145.12
CRMS 0162	101.63	129.97	79.85	97.36	103.92	100.81	130.22	112.69	64.84	57.50	46.35	116.15

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	146.46	170.14	131.47	124.76	152.53	120.43	134.91	112.24	86.87	96.89	82.25	139.17
CRMS0276 - Just east of Wilkinson Canal	0.96	-9.04	-4.95	-1.79	-5.73	-4.06	0.37	2.40	-0.33	-0.27	-0.53	-0.65
Barataria Waterway at Lafitte (USACE82875)	-3.70	-3.39	-3.42	-2.65	-3.21	-2.53	-3.44	-3.41	-0.39	-1.14	-0.56	-1.79
USGS2928590900040000 Barataria Waterway South of Lafitte	66.42	90.89	51.43	51.48	70.90	54.56	73.89	48.54	13.08	20.30	7.73	17.17
USGS7380251 Barataria Bay North of Grand Isle	22.92	41.87	24.22	36.72	43.67	29.73	24.42	12.84	0.61	0.49	1.49	2.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	26.75	41.72	23.69	29.69	38.21	30.79	37.63	26.39	4.39	3.37	2.46	4.02
USGS 07380335 - Little Lake Near Cutoff	11.65	16.61	8.52	15.80	22.26	18.68	22.86	14.46	2.11	1.04	0.72	1.32
USGS073802516 Barataria Pass at Grand Isle	10.03	16.37	8.14	11.50	10.11	7.86	9.92	8.85	2.02	1.49	1.37	1.43
HWQ14 - Lake Washington	10.33	21.11	8.71	16.81	14.57	12.27	10.76	7.37	0.99	1.21	1.21	1.15
HWQ16 - Bayou Grand Liard	-0.55	-4.48	-1.91	-1.58	-1.65	-0.48	-0.11	-0.20	0.14	0.09	0.01	-0.40
CRMS 3985	3.61	12.18	7.81	16.91	17.26	12.51	-4.05	-8.49	-7.84	-3.93	-0.50	-0.19
CRMS 0258	22.65	10.03	4.27	4.53	8.39	14.33	41.55	29.58	1.82	3.69	0.71	2.85
CRMS 0224	28.59	22.64	12.91	14.01	21.35	24.89	48.54	31.19	1.95	2.87	1.98	3.64
CRMS 0163	-2.02	-0.85	-1.16	-1.55	-1.88	-1.10	-0.69	-0.14	1.20	-0.34	-0.20	0.80
CRMS 0162	-0.76	-0.58	-0.23	1.41	-0.62	2.00	2.61	2.43	1.27	-2.68	-0.77	-1.49

Figure WQ TSS 164 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.11	6.22	20.86	34.27	34.61	20.61	12.92	13.07	12.44	12.91	8.02	18.31
CRMS0276 - Just east of Wilkinson Canal	67.25	47.73	130.53	115.24	128.17	41.35	25.14	23.39	35.90	28.76	28.59	125.12
Barataria Waterway at Lafitte (USACE82875)	109.71	100.27	214.87	148.87	171.39	55.67	56.18	56.94	63.61	61.73	64.27	225.00
USGS2928590900040000 Barataria Waterway South of Lafitte	12.03	8.54	20.15	46.14	50.06	27.31	11.79	10.88	16.08	15.67	7.82	18.48
USGS7380251 Barataria Bay North of Grand Isle	13.07	8.07	20.57	20.93	17.67	11.96	9.01	10.87	12.04	13.15	10.77	18.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.74	14.20	23.19	38.71	34.42	21.14	11.09	10.23	12.50	13.35	10.17	19.31
USGS 07380335 - Little Lake Near Cutoff	33.33	20.14	34.08	51.71	46.36	24.67	12.39	9.75	12.72	14.05	12.80	31.46
USGS073802516 Barataria Pass at Grand Isle	23.89	14.54	25.07	41.68	37.94	23.80	14.54	10.84	10.33	12.76	9.95	22.50
HWQ14 - Lake Washington	11.74	7.03	14.72	20.78	17.40	12.69	7.28	6.88	7.17	9.00	7.89	10.83
HWQ16 - Bayou Grand Liard	41.44	26.33	73.28	77.67	80.93	32.93	14.88	13.01	14.04	12.86	15.58	59.36
CRMS 3985	20.00	13.65	31.38	16.17	13.01	8.86	6.17	12.23	15.05	16.84	16.22	31.08
CRMS 0258	26.12	21.94	51.01	73.63	84.43	36.50	21.61	21.31	31.76	26.40	12.17	47.41
CRMS 0224	24.50	20.27	31.80	62.66	66.34	30.69	13.51	12.77	23.43	20.12	10.06	27.98
CRMS 0163	133.73	116.60	265.97	163.01	186.38	59.55	65.42	69.28	74.10	64.91	98.06	266.20
CRMS 0162	126.66	74.89	219.20	147.10	172.96	71.18	90.56	78.00	42.54	35.33	54.91	263.15

V3PR2 HYST - cy 4 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	139.42	134.29	339.85	217.35	236.68	102.55	110.96	87.67	85.25	81.63	126.90	332.05
CRMS0276 - Just east of Wilkinson Canal	67.00	45.54	112.34	110.42	121.36	39.61	25.90	25.91	35.54	27.72	27.75	107.03
Barataria Waterway at Lafitte (USACE82875)	107.18	96.60	208.30	144.94	167.45	54.12	52.53	56.42	62.61	60.77	63.04	218.12
USGS2928590900040000 Barataria Waterway South of Lafitte	34.98	24.17	195.45	133.04	151.33	52.27	62.28	34.03	29.27	32.92	27.47	203.92
USGS7380251 Barataria Bay North of Grand Isle	25.96	13.62	91.49	75.14	82.23	31.46	31.61	17.30	15.41	14.75	14.65	87.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	38.27	16.80	117.42	79.00	90.92	36.75	35.80	18.23	16.21	16.86	12.28	118.45
USGS 07380335 - Little Lake Near Cutoff	42.79	20.69	85.20	70.15	77.49	33.12	25.54	14.22	14.02	15.15	11.71	78.71
USGS073802516 Barataria Pass at Grand Isle	34.87	15.71	58.15	56.37	52.91	25.84	18.61	15.07	11.73	14.52	10.79	57.57
HWQ14 - Lake Washington	24.70	10.15	40.83	43.93	40.72	20.09	14.39	10.54	8.88	10.91	9.53	40.76
HWQ16 - Bayou Grand Liard	41.62	25.68	67.04	74.03	74.22	31.37	14.89	12.59	14.55	12.63	14.46	53.68
CRMS 3985	25.35	17.84	43.56	39.91	42.48	19.53	15.23	10.45	14.04	14.96	16.18	39.19
CRMS 0258	36.06	22.16	93.76	78.35	95.83	44.11	51.12	34.35	32.87	29.42	13.11	84.47
CRMS 0224	39.31	21.31	106.89	80.28	95.16	42.65	46.81	23.48	24.88	22.90	11.86	97.80
CRMS 0163	131.59	114.89	264.84	161.40	185.66	58.78	63.65	70.57	74.47	64.28	97.92	265.38
CRMS 0162	125.10	74.46	217.86	149.00	173.51	71.74	90.17	79.70	41.84	32.34	54.35	262.10

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	129.32	128.07	318.99	183.08	202.07	81.94	98.04	74.60	72.81	68.72	118.89	313.74
CRMS0276 - Just east of Wilkinson Canal	-0.25	-2.19	-18.19	-4.82	-6.82	-1.74	0.76	2.51	-0.36	-1.04	-0.85	-18.09
Barataria Waterway at Lafitte (USACE82875)	-2.53	-3.67	-6.57	-3.93	-3.94	-1.55	-3.65	-0.53	-1.00	-0.96	-1.23	-6.88
USGS2928590900040000 Barataria Waterway South of Lafitte	22.95	15.64	175.30	86.90	101.27	24.96	50.49	23.15	13.19	17.25	19.65	185.43
USGS7380251 Barataria Bay North of Grand Isle	12.89	5.55	70.93	54.21	64.56	19.50	22.60	6.43	3.37	1.60	3.88	68.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.54	2.60	94.22	40.29	56.50	15.61	24.71	8.01	3.71	3.52	2.11	99.13
USGS 07380335 - Little Lake Near Cutoff	9.46	0.55	51.12	18.44	31.13	8.45	13.15	4.47	1.30	1.10	-1.09	47.25
USGS073802516 Barataria Pass at Grand Isle	10.98	1.17	33.09	14.69	14.97	2.05	4.07	4.23	1.40	1.76	0.84	35.07
HWQ14 - Lake Washington	12.96	3.12	26.11	23.15	23.31	7.40	7.11	3.66	1.71	1.91	1.64	29.93
HWQ16 - Bayou Grand Liard	0.18	-0.65	-6.24	-3.64	-6.71	-1.57	0.01	-0.42	0.51	-0.22	-1.12	-5.68
CRMS 3985	5.35	4.19	12.18	23.74	29.47	10.67	9.06	-1.78	-1.01	-1.88	-0.04	8.10
CRMS 0258	9.94	0.21	42.76	4.72	11.40	7.61	29.51	13.04	1.10	3.02	0.94	37.06
CRMS 0224	14.81	1.04	75.09	17.63	28.82	11.96	33.30	10.71	1.45	2.77	1.80	69.82
CRMS 0163	-2.14	-1.71	-1.13	-1.62	-0.72	-0.78	-1.78	1.29	0.37	-0.64	-0.14	-0.82
CRMS 0162	-1.56	-0.43	-1.34	1.90	0.54	0.56	-0.39	1.71	-0.70	-2.99	-0.56	-1.05

Figure WQ TSS 165 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.02	14.92	22.22	30.86	22.41	15.30	12.75	13.40	16.57	18.79	9.07	8.06
CRMS0276 - Just east of Wilkinson Canal	50.86	107.98	128.86	110.57	49.72	43.73	33.35	24.44	48.31	51.50	25.38	23.45
Barataria Waterway at Lafitte (USACE82875)	126.64	177.82	172.26	147.44	69.10	64.22	59.01	57.85	91.49	86.95	49.18	76.39
USGS2928590900040000 Barataria Waterway South of Lafitte	9.08	19.68	27.06	41.56	28.29	20.28	11.87	11.43	21.48	23.39	9.51	7.51
USGS7380251 Barataria Bay North of Grand Isle	13.31	15.46	18.39	17.78	13.94	9.92	8.85	10.87	14.37	16.23	10.55	10.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.83	24.32	31.74	35.61	23.47	14.37	11.91	11.29	15.26	19.51	11.08	7.68
USGS 07380335 - Little Lake Near Cutoff	12.84	36.80	46.51	48.78	27.52	17.23	14.55	11.03	16.57	22.67	12.40	8.69
USGS073802516 Barataria Pass at Grand Isle	8.60	24.28	33.21	39.10	26.21	17.24	16.33	12.18	11.67	18.74	11.09	7.99
HWQ14 - Lake Washington	6.50	10.63	16.66	18.19	15.17	9.19	7.02	7.23	7.49	11.06	8.96	7.22
HWQ16 - Bayou Grand Liard	19.82	52.74	78.21	76.48	37.51	25.29	21.89	13.24	18.15	23.93	13.76	11.75
CRMS 3985	24.76	24.46	18.99	12.53	10.29	7.67	6.10	12.11	16.78	19.63	14.14	16.30
CRMS 0258	20.32	53.72	60.14	67.55	39.41	36.80	22.80	22.56	44.18	40.95	13.85	10.50
CRMS 0224	9.91	39.67	46.08	57.31	33.60	24.76	14.98	14.03	28.64	30.35	12.43	7.55
CRMS 0163	174.84	206.44	194.29	159.57	78.48	70.89	64.88	68.75	110.77	91.37	64.38	106.13
CRMS 0162	168.40	198.91	178.44	153.00	79.13	80.78	88.94	81.34	88.82	82.72	34.96	84.69

V3PR3 HYST - cy 4 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	222.16	262.56	246.27	207.90	122.05	116.78	108.87	98.24	139.18	106.74	78.06	136.14
CRMS0276 - Just east of Wilkinson Canal	48.30	97.37	113.92	105.82	47.26	40.69	31.85	26.63	47.95	49.60	24.60	22.57
Barataria Waterway at Lafitte (USACE82875)	120.21	171.13	166.99	143.61	66.31	61.63	55.85	54.51	90.03	85.65	47.70	73.18
USGS2928590900040000 Barataria Waterway South of Lafitte	92.73	148.09	159.15	131.48	68.06	71.46	66.61	52.04	47.09	54.68	15.42	27.56
USGS7380251 Barataria Bay North of Grand Isle	40.93	63.37	82.47	70.54	38.51	37.12	35.41	25.05	23.91	25.68	10.00	11.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	39.78	66.33	94.11	72.88	43.18	39.75	38.16	24.10	23.67	36.07	12.39	10.37
USGS 07380335 - Little Lake Near Cutoff	24.00	56.76	77.70	64.95	38.15	32.94	29.28	17.09	19.71	32.70	12.62	8.97
USGS073802516 Barataria Pass at Grand Isle	20.77	37.68	59.14	52.60	29.01	22.86	21.44	16.43	15.50	26.30	11.42	8.32
HWQ14 - Lake Washington	19.12	28.44	42.78	41.20	23.39	18.66	16.70	11.70	11.39	19.77	8.93	7.26
HWQ16 - Bayou Grand Liard	19.56	51.38	73.10	70.04	35.15	24.99	20.40	13.05	18.34	24.02	13.51	10.74
CRMS 3985	27.03	34.66	38.57	37.54	22.34	20.21	18.91	13.62	12.06	14.27	10.66	15.50
CRMS 0258	42.97	71.55	77.00	73.43	44.58	49.83	51.32	46.22	45.26	48.26	14.14	12.68
CRMS 0224	39.73	75.37	84.93	73.51	45.16	46.76	47.94	34.55	30.82	44.10	13.34	10.33
CRMS 0163	171.66	203.79	192.23	157.99	77.28	69.46	63.18	68.98	111.91	91.11	63.88	105.52
CRMS 0162	166.19	198.30	177.55	153.99	79.45	80.99	89.67	81.85	88.47	78.84	34.35	84.59

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	210.14	247.64	224.05	177.04	99.64	101.48	96.11	84.84	122.60	87.95	69.00	128.08
CRMS0276 - Just east of Wilkinson Canal	-2.56	-10.61	-14.94	-4.75	-2.46	-3.05	-1.50	2.20	-0.36	-1.91	-0.78	-0.89
Barataria Waterway at Lafitte (USACE82875)	-6.44	-6.69	-5.26	-3.83	-2.79	-2.58	-3.16	-3.34	-1.46	-1.29	-1.48	-3.21
USGS2928590900040000 Barataria Waterway South of Lafitte	83.65	128.40	132.09	89.92	39.77	51.17	54.74	40.61	25.61	31.29	5.90	20.05
USGS7380251 Barataria Bay North of Grand Isle	27.62	47.92	64.08	52.76	24.57	27.20	26.57	14.18	9.54	9.45	-0.55	1.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	30.95	42.00	62.36	37.26	19.71	25.38	26.25	12.80	8.41	16.56	1.31	2.68
USGS 07380335 - Little Lake Near Cutoff	11.16	19.96	31.19	16.17	10.62	15.71	14.73	6.06	3.14	10.03	0.22	0.28
USGS073802516 Barataria Pass at Grand Isle	12.17	13.40	25.93	13.49	2.80	5.62	5.11	4.25	3.83	7.56	0.33	0.33
HWQ14 - Lake Washington	12.63	17.81	26.12	23.01	8.22	9.48	9.67	4.47	3.90	8.70	-0.03	0.04
HWQ16 - Bayou Grand Liard	-0.25	-1.37	-5.10	-6.44	-2.36	-0.30	-1.49	-0.19	0.19	0.09	-0.25	-1.01
CRMS 3985	2.28	10.20	19.57	25.01	12.05	12.54	12.81	1.50	-4.73	-5.36	-3.48	-0.80
CRMS 0258	22.66	17.83	16.86	5.87	5.17	13.04	28.52	23.66	1.09	7.30	0.28	2.18
CRMS 0224	29.82	35.71	38.85	16.19	11.56	22.01	32.96	20.52	2.18	13.75	0.91	2.78
CRMS 0163	-3.18	-2.65	-2.06	-1.58	-1.20	-1.43	-1.71	0.23	1.14	-0.26	-0.50	-0.62
CRMS 0162	-2.22	-0.62	-0.89	0.99	0.32	0.20	0.73	0.50	-0.35	-3.88	-0.61	-0.10

Figure WQ TSS 166 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.91	14.01	17.74	22.57	23.86	15.62	11.36	11.36	11.24	11.36	8.39	16.31
CRMS0276 - Just east of Wilkinson Canal	59.22	95.03	82.72	71.39	64.05	32.82	18.33	15.54	24.63	24.44	44.48	83.81
Barataria Waterway at Lafitte (USACE82875)	101.60	142.42	120.23	100.67	84.99	50.97	57.97	56.10	63.64	56.40	95.85	171.66
USGS2928590900040000 Barataria Waterway South of Lafitte	11.03	18.11	21.80	29.23	32.25	19.79	10.46	9.46	12.60	12.50	8.02	15.24
USGS7380251 Barataria Bay North of Grand Isle	13.61	12.03	12.14	13.33	13.28	10.00	9.26	14.55	13.36	12.90	12.63	17.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.22	23.31	25.41	24.10	23.70	14.34	9.04	8.12	10.06	11.03	12.31	16.35
USGS 07380335 - Little Lake Near Cutoff	23.38	35.40	35.57	31.51	29.27	16.11	9.20	7.69	9.23	11.45	16.60	23.58
USGS073802516 Barataria Pass at Grand Isle	16.69	24.36	26.69	26.56	26.31	16.63	11.18	8.52	8.68	10.67	11.57	17.34
HWQ14 - Lake Washington	9.90	9.92	13.07	13.82	13.51	9.39	6.38	6.78	7.82	8.63	8.51	10.73
HWQ16 - Bayou Grand Liard	30.85	54.80	57.69	46.50	44.56	18.99	9.69	12.89	10.57	11.53	20.94	37.23
CRMS 3985	22.11	15.79	9.03	9.27	9.61	7.51	9.81	20.66	17.32	16.68	20.48	29.20
CRMS 0258	24.94	45.11	40.88	44.22	49.03	32.05	16.26	11.34	23.53	20.81	14.61	40.26
CRMS 0224	17.85	35.72	33.80	36.87	39.90	22.62	11.25	9.81	16.81	15.68	12.82	23.41
CRMS 0163	125.50	167.39	141.15	115.45	93.88	54.04	69.66	66.33	72.68	65.97	139.88	215.34
CRMS 0162	123.58	157.26	131.44	106.97	91.50	60.12	97.29	62.49	33.34	33.85	81.86	199.98

V3PR3 HYST - cy 4 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	156.93	221.16	188.36	165.29	137.03	76.88	99.89	85.78	87.49	96.99	151.62	255.80
CRMS0276 - Just east of Wilkinson Canal	56.92	84.99	72.34	67.96	62.28	32.04	17.62	16.48	24.26	23.67	42.68	77.60
Barataria Waterway at Lafitte (USACE82875)	97.61	136.82	115.96	96.98	82.30	49.39	56.81	54.91	61.07	56.04	93.97	166.32
USGS2928590900040000 Barataria Waterway South of Lafitte	69.48	139.81	116.88	101.79	81.53	36.01	37.61	33.90	29.93	31.16	23.51	113.08
USGS7380251 Barataria Bay North of Grand Isle	37.07	63.05	55.83	51.61	47.09	19.63	13.07	15.78	17.11	15.35	13.70	47.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	41.64	70.25	66.64	54.32	50.66	22.10	11.97	11.09	13.95	14.71	13.67	46.00
USGS 07380335 - Little Lake Near Cutoff	35.20	55.32	54.54	46.32	44.74	21.03	10.29	8.30	10.48	12.27	14.24	35.19
USGS073802516 Barataria Pass at Grand Isle	29.69	41.27	41.69	37.02	33.20	20.33	12.18	9.38	10.06	12.53	12.03	23.21
HWQ14 - Lake Washington	23.37	32.24	29.43	29.25	26.33	14.98	8.09	7.18	9.64	10.99	9.79	18.98
HWQ16 - Bayou Grand Liard	31.94	51.55	52.18	44.12	41.64	19.78	9.22	11.85	10.11	10.80	19.18	35.82
CRMS 3985	26.63	30.09	24.73	26.31	26.62	13.53	9.03	18.49	17.98	16.06	16.96	32.70
CRMS 0258	45.16	62.53	52.69	49.90	55.21	33.94	23.13	19.07	24.11	23.13	15.41	59.84
CRMS 0224	43.33	67.91	59.53	52.53	54.72	27.21	16.40	15.04	18.77	18.25	13.97	52.16
CRMS 0163	123.59	165.22	139.86	114.00	92.76	53.32	70.74	66.70	71.51	66.78	139.03	215.00
CRMS 0162	122.61	157.36	130.69	105.98	91.80	60.34	97.04	61.01	32.76	33.73	82.30	201.21

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	145.02	207.14	170.62	142.71	113.16	61.26	88.53	74.42	76.26	85.63	143.23	239.50
CRMS0276 - Just east of Wilkinson Canal	-2.31	-10.04	-10.38	-3.43	-1.77	-0.78	-0.70	0.94	-0.37	-0.77	-1.79	-6.22
Barataria Waterway at Lafitte (USACE82875)	-3.99	-5.59	-4.27	-3.69	-2.68	-1.58	-1.16	-1.19	-2.57	-0.36	-1.88	-5.34
USGS2928590900040000 Barataria Waterway South of Lafitte	58.46	121.70	95.08	72.56	49.28	16.21	27.15	24.44	17.33	18.67	15.50	97.84
USGS7380251 Barataria Bay North of Grand Isle	23.45	51.02	43.69	38.28	33.81	9.63	3.82	1.24	3.75	2.44	1.07	29.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.43	46.94	41.23	30.22	26.96	7.76	2.92	2.96	3.89	3.68	1.36	29.65
USGS 07380335 - Little Lake Near Cutoff	11.81	19.92	18.96	14.81	15.48	4.92	1.09	0.62	1.25	0.82	-2.36	11.61
USGS073802516 Barataria Pass at Grand Isle	13.00	16.91	15.00	10.46	6.90	3.70	1.00	0.86	1.37	1.86	0.46	5.88
HWQ14 - Lake Washington	13.47	22.32	16.35	15.42	12.82	5.60	1.71	0.40	1.83	2.36	1.28	8.25
HWQ16 - Bayou Grand Liard	1.09	-3.25	-5.52	-2.38	-2.91	0.79	-0.47	-1.04	-0.46	-0.73	-1.76	-1.41
CRMS 3985	4.53	14.31	15.70	17.04	17.01	6.02	-0.78	-2.17	0.66	-0.63	-3.53	3.50
CRMS 0258	20.23	17.42	11.81	5.68	6.18	1.89	6.88	7.73	0.58	2.33	0.80	19.58
CRMS 0224	25.48	32.19	25.73	15.66	14.82	4.59	5.15	5.24	1.96	2.57	1.15	28.75
CRMS 0163	-1.90	-2.17	-1.29	-1.45	-1.12	-0.72	1.07	0.37	-1.17	0.81	-0.85	-0.34
CRMS 0162	-0.98	0.10	-0.74	-0.99	0.30	0.22	-0.25	-1.48	-0.58	-0.13	0.44	1.24

Figure WQ TSS 167 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.58	16.63	17.03	31.09	29.42	17.05	11.20	11.25	9.29	10.25	15.96	17.79
CRMS0276 - Just east of Wilkinson Canal	34.91	134.93	91.26	122.33	96.87	50.97	16.13	10.64	14.67	28.09	79.95	77.28
Barataria Waterway at Lafitte (USACE82875)	88.83	204.66	153.21	141.89	137.35	91.19	52.60	43.25	21.29	110.01	148.12	147.44
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	21.32	19.52	47.14	41.20	24.10	9.97	9.13	8.55	9.29	15.92	19.13
USGS7380251 Barataria Bay North of Grand Isle	11.09	17.13	16.88	18.19	16.32	11.72	15.75	15.95	10.83	15.53	18.25	17.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.59	25.95	20.99	32.98	26.76	17.21	9.73	8.25	7.73	8.83	17.80	21.23
USGS 07380335 - Little Lake Near Cutoff	13.70	42.64	27.65	45.13	33.17	20.67	9.83	9.27	7.79	10.19	25.02	28.34
USGS073802516 Barataria Pass at Grand Isle	10.58	27.55	21.59	35.04	27.83	19.07	11.19	8.24	7.26	8.70	17.01	21.39
HWQ14 - Lake Washington	7.84	10.79	14.70	17.59	14.65	10.35	8.72	8.43	7.16	8.70	11.41	13.00
HWQ16 - Bayou Grand Liard	16.44	67.96	43.15	73.24	47.27	28.10	12.86	11.80	10.74	13.06	36.46	38.44
CRMS 3985	20.38	26.94	22.67	15.33	13.40	12.45	22.54	19.90	10.87	23.04	28.35	27.82
CRMS 0258	12.72	57.70	39.17	84.72	70.03	37.34	11.70	8.91	14.34	17.59	35.88	39.43
CRMS 0224	10.57	43.67	28.67	66.60	51.57	30.20	10.93	8.37	10.47	10.56	21.91	28.29
CRMS 0163	134.00	224.76	196.66	146.53	156.86	97.87	61.01	48.85	26.73	130.83	200.84	174.90
CRMS 0162	99.72	183.60	109.18	109.00	123.52	88.48	48.90	32.26	16.88	60.90	142.24	162.02

V3PR3 HYST - cy 4 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	174.59	253.17	230.97	156.03	196.66	119.63	90.32	55.91	49.39	163.74	201.08	174.55
CRMS0276 - Just east of Wilkinson Canal	34.85	122.73	86.06	120.73	90.83	49.69	16.93	11.21	14.42	27.11	76.22	75.37
Barataria Waterway at Lafitte (USACE82875)	86.09	197.69	147.85	140.28	133.32	89.36	51.21	40.22	20.47	105.98	144.71	144.56
USGS2928590900040000 Barataria Waterway South of Lafitte	34.59	131.59	91.66	58.39	106.76	38.87	33.08	27.27	19.08	41.34	30.98	30.32
USGS7380251 Barataria Bay North of Grand Isle	16.51	64.40	43.23	44.91	56.37	17.11	12.13	15.65	12.79	19.25	23.11	20.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	14.81	71.49	48.34	53.11	59.58	21.90	11.92	10.25	10.00	14.28	21.80	23.26
USGS 07380335 - Little Lake Near Cutoff	14.54	60.20	37.94	58.09	49.62	23.59	11.26	9.22	7.94	11.03	24.46	28.22
USGS073802516 Barataria Pass at Grand Isle	11.78	48.44	32.14	47.49	35.81	22.49	12.36	8.82	8.03	11.11	19.15	22.06
HWQ14 - Lake Washington	9.82	36.34	23.18	33.75	26.71	14.14	7.91	7.53	7.85	11.72	15.16	14.57
HWQ16 - Bayou Grand Liard	16.96	64.15	41.50	73.04	45.62	28.96	13.07	11.81	9.84	11.85	34.90	38.12
CRMS 3985	20.75	37.71	22.78	32.25	27.29	12.62	11.61	18.50	10.98	23.47	28.84	27.93
CRMS 0258	16.74	67.61	41.58	78.78	75.24	38.90	18.67	15.70	15.37	21.72	36.86	39.47
CRMS 0224	14.09	66.24	41.15	64.89	68.42	32.74	15.90	12.98	12.34	16.26	24.51	28.55
CRMS 0163	132.27	222.37	196.33	147.74	155.29	98.39	61.39	47.75	26.40	128.98	200.24	175.18
CRMS 0162	98.63	182.33	111.70	114.59	126.63	91.14	49.91	31.95	16.90	60.67	142.66	162.43

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	167.01	236.55	213.94	124.94	167.24	102.58	79.13	44.66	40.10	153.49	185.12	156.76
CRMS0276 - Just east of Wilkinson Canal	-0.05	-12.20	-5.20	-1.60	-6.04	-1.28	0.81	0.57	-0.24	-0.98	-3.74	-1.91
Barataria Waterway at Lafitte (USACE82875)	-2.74	-6.97	-5.37	-1.61	-4.02	-1.83	-1.39	-3.04	-0.83	-4.03	-3.42	-2.89
USGS2928590900040000 Barataria Waterway South of Lafitte	27.73	110.27	72.14	11.26	65.57	14.77	23.11	18.14	10.53	32.04	15.06	11.19
USGS7380251 Barataria Bay North of Grand Isle	5.42	47.26	26.35	26.73	40.05	5.39	-3.62	-0.30	1.97	3.72	4.86	2.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.22	45.55	27.35	20.13	32.81	4.69	2.19	2.01	2.27	5.45	4.00	2.03
USGS 07380335 - Little Lake Near Cutoff	0.84	17.56	10.29	12.96	16.45	2.92	1.43	-0.05	0.16	0.84	-0.56	-0.12
USGS073802516 Barataria Pass at Grand Isle	1.19	20.88	10.55	12.46	7.98	3.42	1.17	0.58	0.77	2.41	2.14	0.67
HWQ14 - Lake Washington	1.97	25.54	8.48	16.16	12.06	3.79	-0.80	-0.90	0.69	3.02	3.75	1.58
HWQ16 - Bayou Grand Liard	0.52	-3.81	-1.65	-0.20	-1.65	0.86	0.21	0.01	-0.90	-1.22	-1.55	-0.31
CRMS 3985	0.37	10.77	0.11	16.93	13.89	0.17	-10.94	-1.40	0.10	0.43	0.49	0.12
CRMS 0258	4.02	9.91	2.41	-5.94	5.21	1.56	6.97	6.79	1.03	4.14	0.98	0.03
CRMS 0224	3.52	22.57	12.48	-1.71	16.85	2.54	4.97	4.61	1.86	5.69	2.60	0.26
CRMS 0163	-1.73	-2.39	-0.34	1.21	-1.57	0.52	0.39	-1.10	-0.33	-1.85	-0.60	0.28
CRMS 0162	-1.09	-1.27	2.52	5.60	3.10	2.66	1.01	-0.30	0.02	-0.23	0.42	0.41

Figure WQ TSS 168 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.17	10.81	14.71	23.11	23.27	19.74	16.84	17.69	16.42	14.98	9.27	9.68
CRMS0276 - Just east of Wilkinson Canal	38.13	87.01	51.08	77.57	79.05	59.38	36.45	33.84	46.43	36.44	31.27	38.54
Barataria Waterway at Lafitte (USACE82875)	80.41	122.64	78.98	98.48	110.63	81.02	83.25	78.47	81.39	79.35	59.67	107.67
USGS2928590900040000 Barataria Waterway South of Lafitte	7.02	14.10	17.60	31.55	32.13	27.55	13.72	14.76	20.72	17.74	9.36	8.67
USGS7380251 Barataria Bay North of Grand Isle	9.26	9.03	9.81	12.89	13.18	11.44	16.93	18.43	16.04	15.37	11.56	12.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.51	19.44	18.75	24.30	21.59	18.18	11.63	12.68	15.93	15.57	11.04	9.31
USGS 07380335 - Little Lake Near Cutoff	13.78	31.65	24.46	32.56	27.09	22.85	13.73	12.96	16.74	16.72	12.88	11.37
USGS073802516 Barataria Pass at Grand Isle	10.02	21.48	19.13	26.40	23.86	21.20	15.13	13.44	13.29	14.98	10.88	9.81
HWQ14 - Lake Washington	6.43	7.67	10.79	12.93	12.34	9.80	8.31	8.97	9.53	10.47	9.09	8.32
HWQ16 - Bayou Grand Liard	20.60	52.10	33.57	48.62	41.16	36.59	22.57	17.76	19.10	15.39	15.40	17.09
CRMS 3985	14.76	11.18	7.04	8.80	9.87	10.04	23.69	24.31	19.80	20.10	16.05	21.29
CRMS 0258	14.75	36.53	30.10	50.56	54.49	47.11	26.40	27.09	39.76	29.51	15.19	16.10
CRMS 0224	9.99	29.82	24.44	41.60	39.72	33.04	14.67	15.35	28.82	22.81	12.46	10.10
CRMS 0163	108.29	137.65	102.43	106.77	125.09	89.79	93.98	94.54	91.95	91.70	80.34	144.32
CRMS 0162	102.39	130.55	80.08	95.96	104.55	98.81	127.62	110.26	63.57	60.18	47.12	117.64

V3PR3 HYST - cy 4 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	155.01	181.16	146.45	148.08	176.13	140.38	152.10	130.68	104.37	116.29	94.95	152.95
CRMS0276 - Just east of Wilkinson Canal	38.56	77.27	45.60	75.80	73.02	55.13	36.06	35.57	46.53	37.16	30.76	37.77
Barataria Waterway at Lafitte (USACE82875)	75.92	118.39	74.46	95.24	107.01	77.67	78.61	73.78	80.85	78.65	59.07	105.16
USGS2928590900040000 Barataria Waterway South of Lafitte	81.16	111.82	77.33	89.51	112.17	89.20	95.96	65.90	34.83	38.43	17.33	25.26
USGS7380251 Barataria Bay North of Grand Isle	34.21	53.22	35.59	51.10	58.74	43.67	44.48	33.76	17.01	14.68	10.94	14.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	35.24	59.47	40.86	53.34	58.10	47.39	48.00	37.10	19.97	18.74	13.07	12.81
USGS 07380335 - Little Lake Near Cutoff	24.65	46.86	31.94	47.62	48.03	40.45	35.19	25.94	18.70	17.96	13.51	12.45
USGS073802516 Barataria Pass at Grand Isle	19.66	37.11	26.66	37.37	33.31	28.80	24.50	21.50	15.16	16.41	11.85	10.93
HWQ14 - Lake Washington	16.96	28.98	19.50	29.77	26.96	22.55	19.52	16.31	10.46	11.46	9.12	9.06
HWQ16 - Bayou Grand Liard	19.81	47.04	31.12	46.77	38.98	35.80	21.88	17.04	19.71	15.84	15.36	16.66
CRMS 3985	19.20	24.58	15.67	26.45	28.68	24.20	21.83	17.65	12.52	12.22	12.03	20.78
CRMS 0258	36.23	45.85	33.95	54.81	62.80	61.04	66.62	55.75	41.59	33.45	16.05	18.68
CRMS 0224	36.67	51.10	36.13	54.73	60.41	56.82	61.39	44.44	30.59	25.68	14.34	13.31
CRMS 0163	105.72	136.00	100.84	105.24	123.48	88.40	92.54	94.03	93.03	92.61	80.18	144.48
CRMS 0162	101.91	130.52	78.73	97.77	104.55	100.26	130.77	112.47	63.73	64.28	46.90	116.32

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	146.85	170.34	131.74	124.98	152.86	120.64	135.26	112.99	87.95	101.30	85.69	143.27
CRMS0276 - Just east of Wilkinson Canal	0.44	-9.74	-5.48	-1.78	-6.03	-4.25	-0.39	1.72	0.10	0.72	-0.52	-0.77
Barataria Waterway at Lafitte (USACE82875)	-4.49	-4.24	-4.52	-3.25	-3.62	-3.35	-4.64	-4.69	-0.54	-0.69	-0.61	-2.51
USGS2928590900040000 Barataria Waterway South of Lafitte	74.13	97.72	59.73	57.96	80.04	61.65	82.24	51.15	14.11	20.69	7.96	16.59
USGS7380251 Barataria Bay North of Grand Isle	24.95	44.20	25.78	38.21	45.57	32.23	27.55	15.33	0.97	-0.68	-0.62	1.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.73	40.03	22.11	29.04	36.51	29.21	36.36	24.42	4.05	3.18	2.03	3.50
USGS 07380335 - Little Lake Near Cutoff	10.88	15.21	7.49	15.06	20.93	17.60	21.46	12.98	1.96	1.24	0.64	1.08
USGS073802516 Barataria Pass at Grand Isle	9.64	15.63	7.53	10.97	9.44	7.60	9.37	8.06	1.87	1.43	0.97	1.12
HWQ14 - Lake Washington	10.52	21.31	8.71	16.84	14.62	12.76	11.21	7.34	0.93	0.99	0.04	0.74
HWQ16 - Bayou Grand Liard	-0.79	-5.06	-2.44	-1.85	-2.19	-0.80	-0.69	-0.73	0.60	0.45	-0.04	-0.43
CRMS 3985	4.43	13.40	8.64	17.64	18.80	14.16	-1.86	-6.66	-7.28	-7.88	-4.02	-0.51
CRMS 0258	21.48	9.32	3.86	4.25	8.31	13.93	40.23	28.66	1.83	3.94	0.86	2.58
CRMS 0224	26.68	21.27	11.68	13.13	20.69	23.78	46.72	29.09	1.77	2.87	1.88	3.21
CRMS 0163	-2.58	-1.65	-1.59	-1.53	-1.61	-1.39	-1.43	-0.50	1.07	0.91	-0.17	0.16
CRMS 0162	-0.48	-0.03	-1.35	1.81	0.00	1.45	3.16	2.21	0.17	4.10	-0.22	-1.32

Figure WQ TSS 169 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.11	6.22	20.86	34.27	34.61	20.61	12.92	13.07	12.44	12.91	8.02	18.31
CRMS0276 - Just east of Wilkinson Canal	67.25	47.73	130.53	115.24	128.17	41.35	25.14	23.39	35.90	28.76	28.59	125.12
Barataria Waterway at Lafitte (USACE82875)	109.71	100.27	214.87	148.87	171.39	55.67	56.18	56.94	63.61	61.73	64.27	225.00
USGS2928590900040000 Barataria Waterway South of Lafitte	12.03	8.54	20.15	46.14	50.06	27.31	11.79	10.88	16.08	15.67	7.82	18.48
USGS7380251 Barataria Bay North of Grand Isle	13.07	8.07	20.57	20.93	17.67	11.96	9.01	10.87	12.04	13.15	10.77	18.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.74	14.20	23.19	38.71	34.42	21.14	11.09	10.23	12.50	13.35	10.17	19.31
USGS 07380335 - Little Lake Near Cutoff	33.33	20.14	34.08	51.71	46.36	24.67	12.39	9.75	12.72	14.05	12.80	31.46
USGS073802516 Barataria Pass at Grand Isle	23.89	14.54	25.07	41.68	37.94	23.80	14.54	10.84	10.33	12.76	9.95	22.50
HWQ14 - Lake Washington	11.74	7.03	14.72	20.78	17.40	12.69	7.28	6.88	7.17	9.00	7.89	10.83
HWQ16 - Bayou Grand Liard	41.44	26.33	73.28	77.67	80.93	32.93	14.88	13.01	14.04	12.86	15.58	59.36
CRMS 3985	20.00	13.65	31.38	16.17	13.01	8.86	6.17	12.23	15.05	16.84	16.22	31.08
CRMS 0258	26.12	21.94	51.01	73.63	84.43	36.50	21.61	21.31	31.76	26.40	12.17	47.41
CRMS 0224	24.50	20.27	31.80	62.66	66.34	30.69	13.51	12.77	23.43	20.12	10.06	27.98
CRMS 0163	133.73	116.60	265.97	163.01	186.38	59.55	65.42	69.28	74.10	64.91	98.06	266.20
CRMS 0162	126.66	74.89	219.20	147.10	172.96	71.18	90.56	78.00	42.54	35.33	54.91	263.15

V3PR3 HYST - cy 4 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	144.25	138.50	340.49	217.62	236.92	102.69	111.23	88.49	86.13	83.25	130.81	332.55
CRMS0276 - Just east of Wilkinson Canal	66.44	45.86	113.13	109.57	121.42	39.62	25.50	24.88	36.15	28.56	27.77	104.75
Barataria Waterway at Lafitte (USACE82875)	106.13	96.20	205.67	143.60	167.03	53.81	51.80	54.68	62.22	59.92	61.97	215.00
USGS2928590900040000 Barataria Waterway South of Lafitte	36.40	25.51	215.36	142.82	159.69	56.23	67.66	35.52	30.11	33.69	27.80	222.71
USGS7380251 Barataria Bay North of Grand Isle	26.31	13.35	96.45	76.80	84.89	32.81	33.86	17.95	15.55	14.87	14.32	92.65
USGS73802515 Hackberry Bay Northwest of Grand Isle	37.80	16.56	113.67	77.16	88.67	36.21	34.59	17.70	16.11	16.98	11.98	113.30
USGS 07380335 - Little Lake Near Cutoff	42.18	20.60	82.28	68.95	75.87	32.60	24.57	13.56	14.15	15.61	11.57	74.49
USGS073802516 Barataria Pass at Grand Isle	34.41	15.60	56.54	55.80	52.34	25.62	18.24	14.63	11.71	14.85	10.66	55.35
HWQ14 - Lake Washington	24.78	10.04	41.01	44.03	40.96	20.37	14.79	10.57	8.86	11.03	9.45	40.59
HWQ16 - Bayou Grand Liard	41.39	25.95	66.72	72.55	73.29	31.02	14.62	12.08	14.87	13.32	14.36	52.84
CRMS 3985	26.30	17.92	45.92	41.16	44.20	20.31	16.68	11.09	14.06	14.90	16.12	42.30
CRMS 0258	35.61	22.10	92.13	77.84	95.34	44.00	50.37	33.82	32.79	30.06	13.04	83.35
CRMS 0224	38.76	21.14	103.17	79.19	93.93	42.36	45.38	22.79	24.76	23.36	11.68	94.43
CRMS 0163	130.96	116.24	263.87	160.64	184.75	58.49	62.96	69.65	74.20	63.53	96.81	263.60
CRMS 0162	125.30	74.37	219.04	149.86	172.91	71.59	90.37	79.69	41.04	32.55	54.55	262.14

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	134.15	132.27	319.63	183.35	202.30	82.08	98.31	75.42	73.69	70.35	122.79	314.25
CRMS0276 - Just east of Wilkinson Canal	-0.81	-1.88	-17.40	-5.68	-6.75	-1.74	0.35	1.48	0.25	-0.20	-0.83	-20.37
Barataria Waterway at Lafitte (USACE82875)	-3.58	-4.06	-9.20	-5.27	-4.36	-1.86	-4.38	-2.26	-1.39	-1.81	-2.31	-10.00
USGS2928590900040000 Barataria Waterway South of Lafitte	24.37	16.98	195.21	96.68	109.63	28.93	55.87	24.63	14.03	18.02	19.98	204.22
USGS7380251 Barataria Bay North of Grand Isle	13.25	5.28	75.88	55.87	67.22	20.85	24.85	7.08	3.51	1.72	3.55	74.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.06	2.36	90.47	38.44	54.25	15.07	23.50	7.47	3.61	3.63	1.81	93.99
USGS 07380335 - Little Lake Near Cutoff	8.85	0.46	48.20	17.24	29.51	7.93	12.18	3.81	1.43	1.56	-1.23	43.03
USGS073802516 Barataria Pass at Grand Isle	10.52	1.05	31.48	14.12	14.40	1.83	3.70	3.79	1.39	2.09	0.71	32.84
HWQ14 - Lake Washington	13.04	3.01	26.29	23.25	23.55	7.68	7.51	3.69	1.68	2.02	1.56	29.76
HWQ16 - Bayou Grand Liard	-0.05	-0.38	-6.56	-5.12	-7.64	-1.91	-0.25	-0.93	0.83	0.47	-1.22	-6.52
CRMS 3985	6.31	4.27	14.55	24.99	31.19	11.44	10.51	-1.14	-0.99	-1.94	-0.11	11.21
CRMS 0258	9.49	0.16	41.12	4.21	10.92	7.50	28.75	12.51	1.03	3.66	0.88	35.95
CRMS 0224	14.26	0.86	71.37	16.53	27.60	11.67	31.87	10.02	1.33	3.24	1.62	66.46
CRMS 0163	-2.77	-0.36	-2.10	-2.37	-1.63	-1.07	-2.46	0.37	0.10	-1.38	-1.25	-2.60
CRMS 0162	-1.35	-0.52	-0.16	2.76	-0.06	0.41	-0.19	1.69	-1.50	-2.79	-0.36	-1.02

Figure WQ TSS 170 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.02	14.92	22.22	30.86	22.41	15.30	12.75	13.40	16.57	18.79	9.07	8.06
CRMS0276 - Just east of Wilkinson Canal	50.86	107.98	128.86	110.57	49.72	43.73	33.35	24.44	48.31	51.50	25.38	23.45
Barataria Waterway at Lafitte (USACE82875)	126.64	177.82	172.26	147.44	69.10	64.22	59.01	57.85	91.49	86.95	49.18	76.39
USGS2928590900040000 Barataria Waterway South of Lafitte	9.08	19.68	27.06	41.56	28.29	20.28	11.87	11.43	21.48	23.39	9.51	7.51
USGS7380251 Barataria Bay North of Grand Isle	13.31	15.46	18.39	17.78	13.94	9.92	8.85	10.87	14.37	16.23	10.55	10.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.83	24.32	31.74	35.61	23.47	14.37	11.91	11.29	15.26	19.51	11.08	7.68
USGS 07380335 - Little Lake Near Cutoff	12.84	36.80	46.51	48.78	27.52	17.23	14.55	11.03	16.57	22.67	12.40	8.69
USGS073802516 Barataria Pass at Grand Isle	8.60	24.28	33.21	39.10	26.21	17.24	16.33	12.18	11.67	18.74	11.09	7.99
HWQ14 - Lake Washington	6.50	10.63	16.66	18.19	15.17	9.19	7.02	7.23	7.49	11.06	8.96	7.22
HWQ16 - Bayou Grand Liard	19.82	52.74	78.21	76.48	37.51	25.29	21.89	13.24	18.15	23.93	13.76	11.75
CRMS 3985	24.76	24.46	18.99	12.53	10.29	7.67	6.10	12.11	16.78	19.63	14.14	16.30
CRMS 0258	20.32	53.72	60.14	67.55	39.41	36.80	22.80	22.56	44.18	40.95	13.85	10.50
CRMS 0224	9.91	39.67	46.08	57.31	33.60	24.76	14.98	14.03	28.64	30.35	12.43	7.55
CRMS 0163	174.84	206.44	194.29	159.57	78.48	70.89	64.88	68.75	110.77	91.37	64.38	106.13
CRMS 0162	168.40	198.91	178.44	153.00	79.13	80.78	88.94	81.34	88.82	82.72	34.96	84.69

V3PR4 HYST - cy 4 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	223.66	266.56	252.48	214.64	127.09	120.72	112.04	98.32	139.84	106.84	77.25	135.24
CRMS0276 - Just east of Wilkinson Canal	51.01	96.90	110.93	105.74	46.50	40.48	33.33	28.36	49.45	50.65	26.29	24.12
Barataria Waterway at Lafitte (USACE82875)	125.52	174.19	169.13	145.30	67.47	62.44	56.16	56.17	93.93	86.85	49.78	78.22
USGS2928590900040000 Barataria Waterway South of Lafitte	101.97	154.18	166.27	143.49	75.65	74.56	70.05	54.67	50.54	56.43	17.12	31.32
USGS7380251 Barataria Bay North of Grand Isle	39.94	71.63	96.94	83.50	42.23	41.46	37.96	23.96	21.92	24.53	9.54	10.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	55.44	94.11	125.04	93.83	49.46	48.75	47.26	31.51	27.56	41.41	12.45	11.17
USGS 07380335 - Little Lake Near Cutoff	30.99	74.61	101.96	79.67	43.32	39.43	36.45	20.86	21.83	37.66	12.95	9.09
USGS073802516 Barataria Pass at Grand Isle	27.61	46.87	74.79	61.53	32.81	26.96	26.94	18.81	17.38	29.64	11.52	8.24
HWQ14 - Lake Washington	22.70	34.89	52.31	48.26	26.36	22.28	20.52	13.78	12.35	21.51	8.82	6.90
HWQ16 - Bayou Grand Liard	21.34	55.14	78.03	72.51	36.15	26.68	22.13	14.27	19.51	25.34	14.09	10.94
CRMS 3985	28.15	36.30	44.79	44.26	25.85	23.12	21.06	13.27	9.29	12.47	9.85	15.21
CRMS 0258	48.88	85.24	89.11	77.37	47.81	51.88	53.87	47.92	45.76	49.96	14.09	13.10
CRMS 0224	49.92	94.18	104.26	82.48	47.43	49.57	49.25	39.06	31.83	47.26	13.01	10.07
CRMS 0163	174.01	205.14	193.64	159.32	77.98	69.76	63.31	69.74	114.64	92.69	65.48	109.09
CRMS 0162	165.79	199.28	175.51	154.43	78.81	81.46	89.24	82.90	91.34	81.85	33.76	84.48

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	211.64	251.64	230.26	183.78	104.68	105.42	99.28	84.92	123.26	88.05	68.18	127.18
CRMS0276 - Just east of Wilkinson Canal	0.15	-11.08	-17.93	-4.83	-3.22	-3.25	-0.02	3.93	1.14	-0.85	0.91	0.67
Barataria Waterway at Lafitte (USACE82875)	-1.12	-3.63	-3.12	-2.14	-1.63	-1.77	-2.84	-1.68	2.44	-0.09	0.60	1.83
USGS2928590900040000 Barataria Waterway South of Lafitte	92.89	134.50	139.22	101.93	47.37	54.28	58.18	43.24	29.06	33.04	7.61	23.81
USGS7380251 Barataria Bay North of Grand Isle	26.63	56.18	78.55	65.72	28.29	31.54	29.11	13.10	7.55	8.30	-1.00	0.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	46.61	69.79	93.30	58.22	25.99	34.37	35.35	20.22	12.31	21.90	1.37	3.49
USGS 07380335 - Little Lake Near Cutoff	18.15	37.81	55.44	30.89	15.79	22.21	21.90	9.83	5.26	14.99	0.55	0.40
USGS073802516 Barataria Pass at Grand Isle	19.01	22.59	41.57	22.42	6.60	9.72	10.62	6.63	5.71	10.90	0.43	0.25
HWQ14 - Lake Washington	16.20	24.26	35.65	30.08	11.20	13.09	13.50	6.55	4.86	10.44	-0.14	-0.32
HWQ16 - Bayou Grand Liard	1.53	2.40	-0.18	-3.97	-1.36	1.39	0.24	1.03	1.36	1.41	0.34	-0.81
CRMS 3985	3.40	11.83	25.79	31.73	15.56	15.45	14.96	1.15	-7.49	-7.16	-4.29	-1.09
CRMS 0258	28.57	31.52	28.97	9.82	8.40	15.08	31.07	25.36	1.58	9.01	0.24	2.61
CRMS 0224	40.01	54.51	58.19	25.16	13.83	24.81	34.27	25.04	3.19	16.92	0.58	2.52
CRMS 0163	-0.83	-1.30	-0.65	-0.25	-0.50	-1.12	-1.57	0.99	3.87	1.32	1.10	2.96
CRMS 0162	-2.62	0.37	-2.93	1.43	-0.32	0.68	0.31	1.55	2.52	-0.87	-1.20	-0.21

Figure WQ TSS 171 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.91	14.01	17.74	22.57	23.86	15.62	11.36	11.36	11.24	11.36	8.39	16.31
CRMS0276 - Just east of Wilkinson Canal	59.22	95.03	82.72	71.39	64.05	32.82	18.33	15.54	24.63	24.44	44.48	83.81
Barataria Waterway at Lafitte (USACE82875)	101.60	142.42	120.23	100.67	84.99	50.97	57.97	56.10	63.64	56.40	95.85	171.66
USGS2928590900040000 Barataria Waterway South of Lafitte	11.03	18.11	21.80	29.23	32.25	19.79	10.46	9.46	12.60	12.50	8.02	15.24
USGS7380251 Barataria Bay North of Grand Isle	13.61	12.03	12.14	13.33	13.28	10.00	9.26	14.55	13.36	12.90	12.63	17.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.22	23.31	25.41	24.10	23.70	14.34	9.04	8.12	10.06	11.03	12.31	16.35
USGS 07380335 - Little Lake Near Cutoff	23.38	35.40	35.57	31.51	29.27	16.11	9.20	7.69	9.23	11.45	16.60	23.58
USGS073802516 Barataria Pass at Grand Isle	16.69	24.36	26.69	26.56	26.31	16.63	11.18	8.52	8.68	10.67	11.57	17.34
HWQ14 - Lake Washington	9.90	9.92	13.07	13.82	13.51	9.39	6.38	6.78	7.82	8.63	8.51	10.73
HWQ16 - Bayou Grand Liard	30.85	54.80	57.69	46.50	44.56	18.99	9.69	12.89	10.57	11.53	20.94	37.23
CRMS 3985	22.11	15.79	9.03	9.27	9.61	7.51	9.81	20.66	17.32	16.68	20.48	29.20
CRMS 0258	24.94	45.11	40.88	44.22	49.03	32.05	16.26	11.34	23.53	20.81	14.61	40.26
CRMS 0224	17.85	35.72	33.80	36.87	39.90	22.62	11.25	9.81	16.81	15.68	12.82	23.41
CRMS 0163	125.50	167.39	141.15	115.45	93.88	54.04	69.66	66.33	72.68	65.97	139.88	215.34
CRMS 0162	123.58	157.26	131.44	106.97	91.50	60.12	97.29	62.49	33.34	33.85	81.86	199.98

V3PR4 HYST - cy 4 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.01	227.19	194.09	170.59	142.01	76.31	98.32	84.76	86.87	94.36	153.14	258.29
CRMS0276 - Just east of Wilkinson Canal	58.38	83.68	70.12	66.78	62.37	32.49	18.18	17.03	25.11	24.21	44.05	80.70
Barataria Waterway at Lafitte (USACE82875)	99.73	138.46	117.21	98.48	83.38	50.30	58.76	56.97	63.90	57.94	98.44	172.19
USGS2928590900040000 Barataria Waterway South of Lafitte	77.20	145.20	125.16	108.31	89.00	36.88	41.65	37.54	31.94	33.95	25.36	120.38
USGS7380251 Barataria Bay North of Grand Isle	36.53	72.45	67.72	60.53	51.88	19.30	12.13	13.03	15.55	14.10	12.36	44.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	54.99	98.71	88.69	69.63	59.63	23.67	12.85	11.66	14.40	14.88	13.57	65.36
USGS 07380335 - Little Lake Near Cutoff	42.32	74.07	71.67	56.87	51.77	22.44	10.81	8.68	10.90	12.30	13.90	45.81
USGS073802516 Barataria Pass at Grand Isle	36.29	54.60	52.22	43.92	38.86	21.45	12.56	9.31	9.89	12.36	11.90	28.37
HWQ14 - Lake Washington	26.17	40.93	35.39	34.38	30.78	15.90	8.29	7.08	9.11	10.38	9.50	19.88
HWQ16 - Bayou Grand Liard	33.99	55.05	54.90	45.79	43.69	20.40	9.49	12.52	10.37	10.70	18.94	37.36
CRMS 3985	25.79	32.82	29.93	30.75	30.86	13.95	8.04	13.67	16.99	15.30	10.15	22.77
CRMS 0258	50.58	71.06	61.43	54.87	57.43	33.42	22.69	18.56	24.42	23.79	15.06	67.86
CRMS 0224	52.67	82.66	72.39	60.02	57.50	27.34	16.34	15.02	19.32	18.44	13.34	64.53
CRMS 0163	124.91	165.83	140.89	114.52	93.38	54.03	71.78	67.63	74.11	68.57	143.36	217.32
CRMS 0162	122.05	155.20	129.44	106.27	91.80	61.12	98.62	63.48	33.45	34.05	83.45	203.27

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	147.10	213.18	176.35	148.01	118.15	60.69	86.95	73.41	75.63	83.00	144.75	241.98
CRMS0276 - Just east of Wilkinson Canal	-0.84	-11.35	-12.60	-4.61	-1.68	-0.33	-0.15	1.49	0.49	-0.23	-0.43	-3.11
Barataria Waterway at Lafitte (USACE82875)	-1.87	-3.95	-3.03	-2.19	-1.60	-0.67	0.79	0.87	0.26	1.54	2.60	0.53
USGS2928590900040000 Barataria Waterway South of Lafitte	66.18	127.09	103.35	79.08	56.75	17.08	31.19	28.08	19.34	21.45	17.35	105.14
USGS7380251 Barataria Bay North of Grand Isle	22.91	60.42	55.58	47.19	38.61	9.30	2.88	-1.52	2.20	1.20	-0.27	26.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	38.77	75.41	63.28	45.53	35.93	9.33	3.80	3.54	4.34	3.85	1.27	49.02
USGS 07380335 - Little Lake Near Cutoff	18.94	38.67	36.10	25.36	22.51	6.33	1.61	1.00	1.68	0.85	-2.70	22.23
USGS073802516 Barataria Pass at Grand Isle	19.60	30.24	25.53	17.36	12.56	4.82	1.38	0.79	1.20	1.69	0.34	11.03
HWQ14 - Lake Washington	16.27	31.01	22.32	20.55	17.28	6.52	1.92	0.30	1.29	1.75	0.98	9.15
HWQ16 - Bayou Grand Liard	3.14	0.25	-2.80	-0.71	-0.86	1.41	-0.20	-0.37	-0.19	-0.83	-2.00	0.13
CRMS 3985	3.68	17.03	20.90	21.48	21.25	6.44	-1.77	-6.99	-0.33	-1.39	-10.34	-6.43
CRMS 0258	25.64	25.96	20.56	10.65	8.40	1.37	6.43	7.22	0.89	2.99	0.45	27.60
CRMS 0224	34.82	46.94	38.59	23.15	17.59	4.72	5.09	5.21	2.51	2.76	0.52	41.11
CRMS 0163	-0.59	-1.56	-0.26	-0.93	-0.49	-0.01	2.12	1.30	1.42	2.60	3.48	1.98
CRMS 0162	-1.54	-2.06	-2.00	-0.70	0.29	1.00	1.33	0.99	0.11	0.19	1.58	3.30

Figure WQ TSS 172 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.58	16.63	17.03	31.09	29.42	17.05	11.20	11.25	9.29	10.25	15.96	17.79
CRMS0276 - Just east of Wilkinson Canal	34.91	134.93	91.26	122.33	96.87	50.97	16.13	10.64	14.67	28.09	79.95	77.28
Barataria Waterway at Lafitte (USACE82875)	88.83	204.66	153.21	141.89	137.35	91.19	52.60	43.25	21.29	110.01	148.12	147.44
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	21.32	19.52	47.14	41.20	24.10	9.97	9.13	8.55	9.29	15.92	19.13
USGS7380251 Barataria Bay North of Grand Isle	11.09	17.13	16.88	18.19	16.32	11.72	15.75	15.95	10.83	15.53	18.25	17.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.59	25.95	20.99	32.98	26.76	17.21	9.73	8.25	7.73	8.83	17.80	21.23
USGS 07380335 - Little Lake Near Cutoff	13.70	42.64	27.65	45.13	33.17	20.67	9.83	9.27	7.79	10.19	25.02	28.34
USGS073802516 Barataria Pass at Grand Isle	10.58	27.55	21.59	35.04	27.83	19.07	11.19	8.24	7.26	8.70	17.01	21.39
HWQ14 - Lake Washington	7.84	10.79	14.70	17.59	14.65	10.35	8.72	8.43	7.16	8.70	11.41	13.00
HWQ16 - Bayou Grand Liard	16.44	67.96	43.15	73.24	47.27	28.10	12.86	11.80	10.74	13.06	36.46	38.44
CRMS 3985	20.38	26.94	22.67	15.33	13.40	12.45	22.54	19.90	10.87	23.04	28.35	27.82
CRMS 0258	12.72	57.70	39.17	84.72	70.03	37.34	11.70	8.91	14.34	17.59	35.88	39.43
CRMS 0224	10.57	43.67	28.67	66.60	51.57	30.20	10.93	8.37	10.47	10.56	21.91	28.29
CRMS 0163	134.00	224.76	196.66	146.53	156.86	97.87	61.01	48.85	26.73	130.83	200.84	174.90
CRMS 0162	99.72	183.60	109.18	109.00	123.52	88.48	48.90	32.26	16.88	60.90	142.24	162.02

V3PR4 HYST - cy 4 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	174.35	257.24	233.45	156.58	199.00	118.99	89.00	55.75	49.29	161.69	203.12	176.22
CRMS0276 - Just east of Wilkinson Canal	36.10	125.07	88.32	122.72	91.54	51.30	17.42	11.29	15.48	30.13	81.05	79.94
Barataria Waterway at Lafitte (USACE82875)	91.12	202.62	153.32	142.55	135.98	91.56	53.89	45.28	24.36	112.05	153.17	152.56
USGS2928590900040000 Barataria Waterway South of Lafitte	40.62	136.40	101.72	56.30	107.10	38.07	36.56	30.31	21.35	43.33	33.64	34.59
USGS7380251 Barataria Bay North of Grand Isle	11.40	66.43	49.60	45.53	57.07	16.30	11.41	14.57	12.11	18.31	18.82	13.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.14	94.55	65.74	59.00	72.86	22.41	12.57	10.70	10.39	15.13	22.20	22.80
USGS 07380335 - Little Lake Near Cutoff	13.68	75.67	47.50	65.42	57.95	24.06	11.51	8.97	7.97	11.43	25.73	28.73
USGS073802516 Barataria Pass at Grand Isle	10.34	62.31	38.98	54.62	39.93	23.41	12.53	9.00	8.02	11.59	19.75	21.84
HWQ14 - Lake Washington	5.94	42.74	27.06	36.74	29.07	14.25	7.93	7.34	7.72	11.59	13.60	11.21
HWQ16 - Bayou Grand Liard	17.10	68.11	43.46	77.80	47.97	30.52	13.13	11.66	9.27	11.23	37.02	40.08
CRMS 3985	12.15	35.50	22.63	31.53	26.90	12.13	11.44	17.73	10.78	22.99	15.60	8.66
CRMS 0258	15.37	71.66	44.65	76.43	77.16	37.45	17.77	15.25	16.20	22.95	38.55	40.42
CRMS 0224	12.97	76.21	48.78	65.38	74.15	31.68	15.58	13.01	12.85	17.48	24.93	28.80
CRMS 0163	136.29	225.06	198.84	148.31	156.14	99.58	63.01	50.83	28.33	134.26	206.85	181.12
CRMS 0162	100.43	183.18	109.42	113.60	127.93	87.31	50.75	32.80	17.15	65.12	145.35	169.15

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	166.77	240.61	216.41	125.48	169.58	101.94	77.80	44.50	39.99	151.44	187.17	158.43
CRMS0276 - Just east of Wilkinson Canal	1.20	-9.86	-2.94	0.39	-5.33	0.33	1.30	0.65	0.81	2.05	1.10	2.66
Barataria Waterway at Lafitte (USACE82875)	2.29	-2.05	0.10	0.66	-1.37	0.36	1.29	2.02	3.06	2.04	5.05	5.12
USGS2928590900040000 Barataria Waterway South of Lafitte	33.76	115.08	82.20	9.17	65.91	13.97	26.59	21.18	12.80	34.04	17.72	15.46
USGS7380251 Barataria Bay North of Grand Isle	0.31	49.30	32.71	27.34	40.74	4.58	-4.34	-1.38	1.28	2.78	0.57	-4.75
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.55	68.60	44.75	26.02	46.10	5.20	2.83	2.45	2.66	6.30	4.41	1.57
USGS 07380335 - Little Lake Near Cutoff	-0.02	33.03	19.85	20.30	24.78	3.40	1.68	-0.30	0.18	1.24	0.71	0.39
USGS073802516 Barataria Pass at Grand Isle	-0.25	34.76	17.40	19.58	12.10	4.34	1.34	0.76	0.76	2.89	2.74	0.46
HWQ14 - Lake Washington	-1.91	31.95	12.36	19.15	14.42	3.89	-0.78	-1.09	0.55	2.89	2.19	-1.78
HWQ16 - Bayou Grand Liard	0.66	0.15	0.31	4.56	0.69	2.42	0.28	-0.13	-1.46	-1.83	0.57	1.65
CRMS 3985	-8.23	8.56	-0.04	16.20	13.50	-0.32	-11.10	-2.18	-0.09	-0.05	-12.75	-19.15
CRMS 0258	2.65	13.96	5.48	-8.29	7.13	0.11	6.07	6.34	1.87	5.36	2.67	0.99
CRMS 0224	2.40	32.55	20.11	-1.22	22.59	1.48	4.65	4.64	2.37	6.91	3.01	0.50
CRMS 0163	2.29	0.30	2.17	1.77	-0.71	1.71	2.00	1.98	1.60	3.43	6.01	6.22
CRMS 0162	0.70	-0.42	0.24	4.60	4.41	-1.17	1.86	0.55	0.27	4.22	3.10	7.13

Figure WQ TSS 173 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.17	10.81	14.71	23.11	23.27	19.74	16.84	17.69	16.42	14.98	9.27	9.68
CRMS0276 - Just east of Wilkinson Canal	38.13	87.01	51.08	77.57	79.05	59.38	36.45	33.84	46.43	36.44	31.27	38.54
Barataria Waterway at Lafitte (USACE82875)	80.41	122.64	78.98	98.48	110.63	81.02	83.25	78.47	81.39	79.35	59.67	107.67
USGS2928590900040000 Barataria Waterway South of Lafitte	7.02	14.10	17.60	31.55	32.13	27.55	13.72	14.76	20.72	17.74	9.36	8.67
USGS7380251 Barataria Bay North of Grand Isle	9.26	9.03	9.81	12.89	13.18	11.44	16.93	18.43	16.04	15.37	11.56	12.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.51	19.44	18.75	24.30	21.59	18.18	11.63	12.68	15.93	15.57	11.04	9.31
USGS 07380335 - Little Lake Near Cutoff	13.78	31.65	24.46	32.56	27.09	22.85	13.73	12.96	16.74	16.72	12.88	11.37
USGS073802516 Barataria Pass at Grand Isle	10.02	21.48	19.13	26.40	23.86	21.20	15.13	13.44	13.29	14.98	10.88	9.81
HWQ14 - Lake Washington	6.43	7.67	10.79	12.93	12.34	9.80	8.31	8.97	9.53	10.47	9.09	8.32
HWQ16 - Bayou Grand Liard	20.60	52.10	33.57	48.62	41.16	36.59	22.57	17.76	19.10	15.39	15.40	17.09
CRMS 3985	14.76	11.18	7.04	8.80	9.87	10.04	23.69	24.31	19.80	20.10	16.05	21.29
CRMS 0258	14.75	36.53	30.10	50.56	54.49	47.11	26.40	27.09	39.76	29.51	15.19	16.10
CRMS 0224	9.99	29.82	24.44	41.60	39.72	33.04	14.67	15.35	28.82	22.81	12.46	10.10
CRMS 0163	108.29	137.65	102.43	106.77	125.09	89.79	93.98	94.54	91.95	91.70	80.34	144.32
CRMS 0162	102.39	130.55	80.08	95.96	104.55	98.81	127.62	110.26	63.57	60.18	47.12	117.64

V3PR4 HYST - cy 4 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.49	186.68	150.94	152.54	180.55	144.00	155.33	131.33	104.88	114.17	93.63	150.83
CRMS0276 - Just east of Wilkinson Canal	41.60	75.83	44.83	75.37	71.84	54.54	39.23	38.53	48.72	37.90	31.53	39.38
Barataria Waterway at Lafitte (USACE82875)	77.68	119.74	75.96	96.62	108.46	78.59	79.95	76.52	84.54	80.20	61.20	109.37
USGS2928590900040000 Barataria Waterway South of Lafitte	89.28	119.18	82.58	93.57	115.53	91.13	97.70	68.54	35.84	39.90	18.95	28.87
USGS7380251 Barataria Bay North of Grand Isle	38.16	63.19	40.79	57.32	66.89	47.28	45.34	32.07	15.13	14.54	11.51	13.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	52.83	81.29	56.93	65.93	73.95	59.64	64.33	45.82	21.51	19.09	13.14	12.55
USGS 07380335 - Little Lake Near Cutoff	34.40	62.70	41.24	56.76	59.67	48.17	46.98	32.64	20.50	18.18	13.64	12.40
USGS073802516 Barataria Pass at Grand Isle	27.26	49.00	32.20	44.82	39.62	32.79	31.91	26.39	16.43	16.54	11.95	10.85
HWQ14 - Lake Washington	21.09	35.95	22.74	34.96	31.95	26.38	24.29	19.82	10.89	11.32	9.50	8.79
HWQ16 - Bayou Grand Liard	21.91	49.93	32.08	48.65	41.42	37.42	24.57	19.01	21.14	16.29	15.70	16.88
CRMS 3985	19.81	28.49	17.25	30.26	32.21	26.24	22.08	16.69	9.02	14.69	13.36	20.65
CRMS 0258	42.19	53.17	37.38	57.15	67.50	63.47	71.92	57.74	42.08	33.56	15.56	17.86
CRMS 0224	47.76	63.06	43.61	59.94	67.10	61.11	68.18	50.36	31.51	25.46	13.75	12.17
CRMS 0163	106.59	137.00	101.48	105.77	123.32	88.16	93.09	95.22	95.66	94.08	81.85	146.34
CRMS 0162	101.08	128.90	78.62	97.23	103.05	99.81	130.55	113.82	66.50	62.31	46.34	119.35

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	151.32	175.87	136.23	129.44	157.28	124.26	138.49	113.64	88.46	99.19	84.36	141.15
CRMS0276 - Just east of Wilkinson Canal	3.47	-11.18	-6.25	-2.20	-7.21	-4.83	2.78	4.69	2.29	1.46	0.26	0.84
Barataria Waterway at Lafitte (USACE82875)	-2.72	-2.90	-3.02	-1.86	-2.17	-2.43	-3.30	-1.95	3.15	0.85	1.53	1.70
USGS2928590900040000 Barataria Waterway South of Lafitte	82.26	105.08	64.98	62.01	83.41	63.57	83.99	53.78	15.12	22.16	9.59	20.20
USGS7380251 Barataria Bay North of Grand Isle	28.90	54.17	30.97	44.43	53.71	35.84	28.41	13.64	-0.91	-0.83	-0.04	0.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.32	61.85	38.18	41.63	52.36	41.47	52.69	33.14	5.59	3.52	2.10	3.24
USGS 07380335 - Little Lake Near Cutoff	20.63	31.05	16.78	24.20	32.58	25.31	33.26	19.68	3.75	1.45	0.76	1.03
USGS073802516 Barataria Pass at Grand Isle	17.24	27.52	13.07	18.42	15.75	11.59	16.78	12.95	3.14	1.56	1.08	1.04
HWQ14 - Lake Washington	14.65	28.28	11.95	22.03	19.61	16.58	15.98	10.85	1.36	0.85	0.42	0.48
HWQ16 - Bayou Grand Liard	1.32	-2.16	-1.48	0.03	0.26	0.83	2.00	1.24	2.03	0.89	0.30	-0.20
CRMS 3985	5.04	17.30	10.21	21.45	22.34	16.20	-1.61	-7.62	-10.78	-5.41	-2.69	-0.65
CRMS 0258	27.44	16.64	7.28	6.59	13.01	16.35	45.52	30.65	2.31	4.05	0.36	1.76
CRMS 0224	37.77	33.24	19.17	18.34	27.39	28.07	53.51	35.01	2.69	2.65	1.30	2.08
CRMS 0163	-1.71	-0.65	-0.95	-1.00	-1.76	-1.63	-0.89	0.69	3.70	2.38	1.51	2.02
CRMS 0162	-1.31	-1.65	-1.46	1.27	-1.49	1.00	2.93	3.56	2.93	2.13	-0.78	1.71

Figure WQ TSS 174 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.11	6.22	20.86	34.27	34.61	20.61	12.92	13.07	12.44	12.91	8.02	18.31
CRMS0276 - Just east of Wilkinson Canal	67.25	47.73	130.53	115.24	128.17	41.35	25.14	23.39	35.90	28.76	28.59	125.12
Barataria Waterway at Lafitte (USACE82875)	109.71	100.27	214.87	148.87	171.39	55.67	56.18	56.94	63.61	61.73	64.27	225.00
USGS2928590900040000 Barataria Waterway South of Lafitte	12.03	8.54	20.15	46.14	50.06	27.31	11.79	10.88	16.08	15.67	7.82	18.48
USGS7380251 Barataria Bay North of Grand Isle	13.07	8.07	20.57	20.93	17.67	11.96	9.01	10.87	12.04	13.15	10.77	18.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.74	14.20	23.19	38.71	34.42	21.14	11.09	10.23	12.50	13.35	10.17	19.31
USGS 07380335 - Little Lake Near Cutoff	33.33	20.14	34.08	51.71	46.36	24.67	12.39	9.75	12.72	14.05	12.80	31.46
USGS073802516 Barataria Pass at Grand Isle	23.89	14.54	25.07	41.68	37.94	23.80	14.54	10.84	10.33	12.76	9.95	22.50
HWQ14 - Lake Washington	11.74	7.03	14.72	20.78	17.40	12.69	7.28	6.88	7.17	9.00	7.89	10.83
HWQ16 - Bayou Grand Liard	41.44	26.33	73.28	77.67	80.93	32.93	14.88	13.01	14.04	12.86	15.58	59.36
CRMS 3985	20.00	13.65	31.38	16.17	13.01	8.86	6.17	12.23	15.05	16.84	16.22	31.08
CRMS 0258	26.12	21.94	51.01	73.63	84.43	36.50	21.61	21.31	31.76	26.40	12.17	47.41
CRMS 0224	24.50	20.27	31.80	62.66	66.34	30.69	13.51	12.77	23.43	20.12	10.06	27.98
CRMS 0163	133.73	116.60	265.97	163.01	186.38	59.55	65.42	69.28	74.10	64.91	98.06	266.20
CRMS 0162	126.66	74.89	219.20	147.10	172.96	71.18	90.56	78.00	42.54	35.33	54.91	263.15

V3PR4 HYST - cy 4 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.20	137.35	347.42	223.25	245.24	107.37	113.92	87.43	85.78	83.19	129.64	339.65
CRMS0276 - Just east of Wilkinson Canal	68.99	47.22	110.84	109.41	121.97	39.46	28.27	26.34	37.08	30.67	28.53	104.08
Barataria Waterway at Lafitte (USACE82875)	108.86	100.55	210.81	145.65	169.73	54.79	52.66	56.96	64.95	63.78	65.91	219.69
USGS2928590900040000 Barataria Waterway South of Lafitte	36.80	23.79	224.49	149.17	171.76	62.09	70.17	38.49	32.22	34.85	31.34	226.17
USGS7380251 Barataria Bay North of Grand Isle	27.62	13.20	112.63	88.35	100.36	35.74	34.92	17.14	14.44	13.83	14.04	106.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	42.83	16.85	160.33	99.66	115.29	40.73	46.09	19.85	16.81	17.00	12.03	161.36
USGS 07380335 - Little Lake Near Cutoff	47.97	21.05	117.91	83.70	97.04	35.27	32.95	15.36	14.77	15.80	11.07	110.38
USGS073802516 Barataria Pass at Grand Isle	39.82	16.01	78.97	64.21	64.81	28.02	23.33	16.16	11.90	14.75	10.26	80.83
HWQ14 - Lake Washington	28.29	10.16	51.85	51.18	50.71	23.15	18.31	11.81	8.88	10.70	8.93	53.19
HWQ16 - Bayou Grand Liard	44.75	26.48	73.01	75.47	77.74	31.31	16.44	12.77	14.96	13.56	13.68	59.44
CRMS 3985	27.06	17.75	51.68	46.69	53.11	23.17	17.34	10.71	13.37	13.85	14.46	45.45
CRMS 0258	36.93	21.45	108.86	81.87	100.82	44.20	53.71	34.06	32.84	30.42	13.56	100.45
CRMS 0224	42.64	20.64	129.99	88.32	104.31	41.41	50.30	23.80	25.18	22.86	11.40	120.86
CRMS 0163	133.25	118.33	266.12	161.53	187.37	59.30	63.57	70.79	76.01	68.26	100.07	266.22
CRMS 0162	126.07	76.28	216.20	146.99	174.61	71.62	90.36	80.49	44.03	36.10	54.21	261.12

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	133.09	131.13	326.56	188.98	210.63	86.76	101.00	74.37	73.34	70.28	121.62	321.35
CRMS0276 - Just east of Wilkinson Canal	1.74	-0.51	-19.69	-5.83	-6.20	-1.89	3.13	2.95	1.18	1.91	-0.06	-21.05
Barataria Waterway at Lafitte (USACE82875)	-0.85	0.28	-4.06	-3.22	-1.65	-0.88	-3.52	0.01	1.34	2.05	1.64	-5.31
USGS2928590900040000 Barataria Waterway South of Lafitte	24.78	15.26	204.35	103.03	121.70	34.78	58.39	27.61	16.15	19.18	23.52	207.69
USGS7380251 Barataria Bay North of Grand Isle	14.55	5.13	92.06	67.42	82.69	23.77	25.91	6.28	2.40	0.68	3.26	87.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.09	2.65	137.14	60.95	80.87	19.59	35.00	9.62	4.31	3.65	1.85	142.04
USGS 07380335 - Little Lake Near Cutoff	14.64	0.92	83.84	31.99	50.67	10.61	20.56	5.60	2.05	1.75	-1.73	78.91
USGS073802516 Barataria Pass at Grand Isle	15.93	1.47	53.90	22.53	26.87	4.22	8.79	5.32	1.57	1.99	0.30	58.33
HWQ14 - Lake Washington	16.55	3.13	37.13	30.41	33.31	10.46	11.03	4.94	1.71	1.69	1.04	42.36
HWQ16 - Bayou Grand Liard	3.30	0.15	-0.26	-2.20	-3.19	-1.63	1.56	-0.23	0.92	0.71	-1.90	0.08
CRMS 3985	7.06	4.10	20.31	30.52	40.09	14.30	11.17	-1.52	-1.68	-2.98	-1.77	14.37
CRMS 0258	10.82	-0.50	57.86	8.24	16.39	7.70	32.10	12.75	1.08	4.01	1.40	53.05
CRMS 0224	18.14	0.37	98.18	25.67	37.98	10.72	36.79	11.03	1.75	2.74	1.34	92.89
CRMS 0163	-0.48	1.73	0.15	-1.48	0.99	-0.26	-1.86	1.51	1.92	3.35	2.01	0.02
CRMS 0162	-0.59	1.38	-3.00	-0.11	1.65	0.44	-0.20	2.49	1.49	0.77	-0.71	-2.03

Figure WQ TSS 175 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.02	14.92	22.22	30.86	22.41	15.30	12.75	13.40	16.57	18.79	9.07	8.06
CRMS0276 - Just east of Wilkinson Canal	50.86	107.98	128.86	110.57	49.72	43.73	33.35	24.44	48.31	51.50	25.38	23.45
Barataria Waterway at Lafitte (USACE82875)	126.64	177.82	172.26	147.44	69.10	64.22	59.01	57.85	91.49	86.95	49.18	76.39
USGS2928590900040000 Barataria Waterway South of Lafitte	9.08	19.68	27.06	41.56	28.29	20.28	11.87	11.43	21.48	23.39	9.51	7.51
USGS7380251 Barataria Bay North of Grand Isle	13.31	15.46	18.39	17.78	13.94	9.92	8.85	10.87	14.37	16.23	10.55	10.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.83	24.32	31.74	35.61	23.47	14.37	11.91	11.29	15.26	19.51	11.08	7.68
USGS 07380335 - Little Lake Near Cutoff	12.84	36.80	46.51	48.78	27.52	17.23	14.55	11.03	16.57	22.67	12.40	8.69
USGS073802516 Barataria Pass at Grand Isle	8.60	24.28	33.21	39.10	26.21	17.24	16.33	12.18	11.67	18.74	11.09	7.99
HWQ14 - Lake Washington	6.50	10.63	16.66	18.19	15.17	9.19	7.02	7.23	7.49	11.06	8.96	7.22
HWQ16 - Bayou Grand Liard	19.82	52.74	78.21	76.48	37.51	25.29	21.89	13.24	18.15	23.93	13.76	11.75
CRMS 3985	24.76	24.46	18.99	12.53	10.29	7.67	6.10	12.11	16.78	19.63	14.14	16.30
CRMS 0258	20.32	53.72	60.14	67.55	39.41	36.80	22.80	22.56	44.18	40.95	13.85	10.50
CRMS 0224	9.91	39.67	46.08	57.31	33.60	24.76	14.98	14.03	28.64	30.35	12.43	7.55
CRMS 0163	174.84	206.44	194.29	159.57	78.48	70.89	64.88	68.75	110.77	91.37	64.38	106.13
CRMS 0162	168.40	198.91	178.44	153.00	79.13	80.78	88.94	81.34	88.82	82.72	34.96	84.69

V3PR5 HYST - cy 4 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	223.75	266.41	252.38	214.63	127.12	120.66	111.97	98.35	139.74	107.04	76.88	135.31
CRMS0276 - Just east of Wilkinson Canal	50.95	97.23	111.07	105.43	46.49	40.57	33.51	28.38	49.22	50.62	25.80	23.92
Barataria Waterway at Lafitte (USACE82875)	125.49	174.15	168.82	145.02	67.30	62.51	56.49	57.11	93.99	87.36	49.93	78.49
USGS2928590900040000 Barataria Waterway South of Lafitte	118.49	165.07	177.98	144.66	75.73	77.17	73.53	57.82	54.00	58.56	19.17	36.43
USGS7380251 Barataria Bay North of Grand Isle	39.79	72.44	99.03	84.45	42.85	42.32	38.25	23.98	22.59	25.08	9.61	10.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	56.24	93.92	123.94	93.29	49.36	48.59	47.03	31.82	27.09	41.49	12.54	11.37
USGS 07380335 - Little Lake Near Cutoff	30.93	74.11	101.06	79.47	43.24	39.39	36.31	21.17	21.43	37.62	12.95	9.06
USGS073802516 Barataria Pass at Grand Isle	28.05	47.14	74.72	61.32	32.72	27.06	27.03	19.04	17.09	29.73	11.58	8.28
HWQ14 - Lake Washington	23.06	35.25	52.82	48.56	26.67	22.55	20.87	14.01	12.36	22.02	8.87	6.96
HWQ16 - Bayou Grand Liard	21.31	55.29	78.12	72.18	36.20	26.81	22.40	14.35	19.36	25.55	13.78	11.03
CRMS 3985	26.51	36.46	46.07	45.01	26.21	23.40	21.39	13.30	10.43	12.88	10.00	15.29
CRMS 0258	46.51	84.11	89.05	77.34	47.56	51.79	53.38	47.34	45.73	49.94	14.14	12.91
CRMS 0224	48.32	93.00	102.76	82.10	47.34	49.48	49.08	38.92	31.41	47.06	13.08	9.86
CRMS 0163	174.68	205.41	193.17	158.75	77.56	69.83	63.27	70.08	114.52	93.08	65.86	108.87
CRMS 0162	167.05	199.23	177.59	154.05	80.23	81.52	89.92	82.97	90.85	78.99	34.86	85.40

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	211.72	251.49	230.16	183.77	104.71	105.36	99.22	84.95	123.17	88.25	67.82	127.25
CRMS0276 - Just east of Wilkinson Canal	0.08	-10.74	-17.79	-5.14	-3.23	-3.16	0.16	3.94	0.91	-0.88	0.42	0.46
Barataria Waterway at Lafitte (USACE82875)	-1.15	-3.66	-3.44	-2.41	-1.80	-1.70	-2.52	-0.74	2.50	0.41	0.75	2.10
USGS2928590900040000 Barataria Waterway South of Lafitte	109.41	145.39	150.92	103.10	47.45	56.89	61.66	46.39	32.52	35.16	9.66	28.92
USGS7380251 Barataria Bay North of Grand Isle	26.48	56.98	80.64	66.66	28.91	32.41	29.40	13.11	8.21	8.85	-0.94	0.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.40	69.59	92.19	57.68	25.89	34.21	35.12	20.53	11.83	21.98	1.46	3.68
USGS 07380335 - Little Lake Near Cutoff	18.09	37.31	54.54	30.69	15.72	22.17	21.76	10.14	4.86	14.95	0.55	0.38
USGS073802516 Barataria Pass at Grand Isle	19.45	22.86	41.51	22.22	6.51	9.82	10.70	6.85	5.42	10.99	0.49	0.29
HWQ14 - Lake Washington	16.56	24.62	36.16	30.37	11.50	13.36	13.85	6.78	4.87	10.96	-0.09	-0.26
HWQ16 - Bayou Grand Liard	1.50	2.54	-0.09	-4.30	-1.30	1.52	0.51	1.11	1.21	1.62	0.02	-0.72
CRMS 3985	1.75	11.99	27.08	32.48	15.91	15.73	15.29	1.19	-6.35	-6.75	-4.14	-1.01
CRMS 0258	26.20	30.40	28.92	9.79	8.15	14.99	30.59	24.79	1.55	8.99	0.28	2.42
CRMS 0224	38.41	53.33	56.68	24.78	13.74	24.72	34.10	24.89	2.76	16.71	0.65	2.31
CRMS 0163	-0.16	-1.04	-1.13	-0.82	-0.92	-1.05	-1.61	1.33	3.75	1.71	1.48	2.74
CRMS 0162	-1.36	0.32	-0.85	1.06	1.10	0.73	0.98	1.62	2.03	-3.73	-0.10	0.71

Figure WQ TSS 176 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.91	14.01	17.74	22.57	23.86	15.62	11.36	11.36	11.24	11.36	8.39	16.31
CRMS0276 - Just east of Wilkinson Canal	59.22	95.03	82.72	71.39	64.05	32.82	18.33	15.54	24.63	24.44	44.48	83.81
Barataria Waterway at Lafitte (USACE82875)	101.60	142.42	120.23	100.67	84.99	50.97	57.97	56.10	63.64	56.40	95.85	171.66
USGS2928590900040000 Barataria Waterway South of Lafitte	11.03	18.11	21.80	29.23	32.25	19.79	10.46	9.46	12.60	12.50	8.02	15.24
USGS7380251 Barataria Bay North of Grand Isle	13.61	12.03	12.14	13.33	13.28	10.00	9.26	14.55	13.36	12.90	12.63	17.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.22	23.31	25.41	24.10	23.70	14.34	9.04	8.12	10.06	11.03	12.31	16.35
USGS 07380335 - Little Lake Near Cutoff	23.38	35.40	35.57	31.51	29.27	16.11	9.20	7.69	9.23	11.45	16.60	23.58
USGS073802516 Barataria Pass at Grand Isle	16.69	24.36	26.69	26.56	26.31	16.63	11.18	8.52	8.68	10.67	11.57	17.34
HWQ14 - Lake Washington	9.90	9.92	13.07	13.82	13.51	9.39	6.38	6.78	7.82	8.63	8.51	10.73
HWQ16 - Bayou Grand Liard	30.85	54.80	57.69	46.50	44.56	18.99	9.69	12.89	10.57	11.53	20.94	37.23
CRMS 3985	22.11	15.79	9.03	9.27	9.61	7.51	9.81	20.66	17.32	16.68	20.48	29.20
CRMS 0258	24.94	45.11	40.88	44.22	49.03	32.05	16.26	11.34	23.53	20.81	14.61	40.26
CRMS 0224	17.85	35.72	33.80	36.87	39.90	22.62	11.25	9.81	16.81	15.68	12.82	23.41
CRMS 0163	125.50	167.39	141.15	115.45	93.88	54.04	69.66	66.33	72.68	65.97	139.88	215.34
CRMS 0162	123.58	157.26	131.44	106.97	91.50	60.12	97.29	62.49	33.34	33.85	81.86	199.98

V3PR5 HYST - cy 4 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.07	227.10	194.10	170.60	142.03	76.39	98.47	84.95	87.01	95.43	153.00	261.44
CRMS0276 - Just east of Wilkinson Canal	59.01	84.07	70.38	66.80	62.40	32.72	18.81	18.12	25.87	25.65	44.42	80.99
Barataria Waterway at Lafitte (USACE82875)	100.46	138.02	116.98	98.00	83.19	50.45	58.72	58.20	64.21	58.96	98.96	173.29
USGS2928590900040000 Barataria Waterway South of Lafitte	89.77	156.30	129.62	111.75	89.42	37.87	43.49	38.91	30.87	34.62	29.79	137.12
USGS7380251 Barataria Bay North of Grand Isle	32.30	74.44	70.01	61.74	52.64	19.46	12.27	13.08	15.70	14.12	11.15	43.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	54.53	97.73	87.97	69.15	59.70	23.66	13.14	12.12	14.83	15.23	13.50	66.38
USGS 07380335 - Little Lake Near Cutoff	42.05	73.25	70.76	56.42	51.81	22.44	10.99	8.94	11.35	12.85	13.83	45.91
USGS073802516 Barataria Pass at Grand Isle	35.48	54.32	52.12	43.95	38.83	21.39	12.66	9.57	10.06	12.71	11.79	28.43
HWQ14 - Lake Washington	23.04	40.70	35.91	34.45	31.04	15.98	8.36	7.22	9.14	10.49	8.91	19.51
HWQ16 - Bayou Grand Liard	34.48	55.05	54.62	45.65	43.56	20.15	9.74	12.81	10.88	11.02	18.72	37.50
CRMS 3985	17.71	33.13	31.28	31.53	31.32	14.07	8.09	13.40	17.07	14.81	7.37	15.20
CRMS 0258	49.62	71.12	61.09	54.82	57.38	33.44	22.30	18.34	25.29	24.71	15.63	67.71
CRMS 0224	51.75	81.59	71.33	59.54	57.47	27.46	16.39	15.27	19.84	19.02	13.57	64.18
CRMS 0163	125.25	165.29	140.33	114.08	92.96	54.16	71.45	68.49	74.81	69.86	143.69	219.50
CRMS 0162	123.10	155.49	129.50	106.33	91.81	61.18	98.96	64.54	33.38	34.34	84.51	206.27

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	147.17	213.09	176.36	148.02	118.16	60.77	87.11	73.59	75.77	84.07	144.60	245.13
CRMS0276 - Just east of Wilkinson Canal	-0.21	-10.96	-12.34	-4.60	-1.65	-0.10	0.48	2.58	1.24	1.21	-0.06	-2.83
Barataria Waterway at Lafitte (USACE82875)	-1.14	-4.39	-3.25	-2.67	-1.80	-0.52	0.74	2.10	0.58	2.56	3.11	1.63
USGS2928590900040000 Barataria Waterway South of Lafitte	78.75	138.19	107.82	82.52	57.17	18.08	33.04	29.44	18.27	22.13	21.77	121.88
USGS7380251 Barataria Bay North of Grand Isle	18.69	62.41	57.87	48.40	39.36	9.46	3.02	-1.47	2.35	1.21	-1.48	25.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	38.32	74.42	62.56	45.05	36.00	9.32	4.10	4.00	4.77	4.20	1.19	50.03
USGS 07380335 - Little Lake Near Cutoff	18.66	37.85	35.18	24.91	22.54	6.32	1.79	1.25	2.13	1.40	-2.77	22.34
USGS073802516 Barataria Pass at Grand Isle	18.79	29.96	25.44	17.39	12.53	4.75	1.48	1.05	1.38	2.04	0.22	11.10
HWQ14 - Lake Washington	13.14	30.79	22.84	20.62	17.53	6.60	1.99	0.44	1.32	1.86	0.40	8.78
HWQ16 - Bayou Grand Liard	3.63	0.25	-3.07	-0.85	-0.99	1.15	0.05	-0.08	0.31	-0.51	-2.22	0.27
CRMS 3985	-4.40	17.35	22.25	22.26	21.71	6.56	-1.73	-7.26	-0.24	-1.87	-13.12	-14.00
CRMS 0258	24.69	26.01	20.21	10.60	8.35	1.39	6.05	7.00	1.76	3.91	1.01	27.44
CRMS 0224	33.90	45.87	37.53	22.67	17.57	4.83	5.14	5.46	3.03	3.34	0.75	40.77
CRMS 0163	-0.25	-2.09	-0.83	-1.37	-0.92	0.12	1.78	2.16	2.13	3.89	3.81	4.16
CRMS 0162	-0.48	-1.78	-1.93	-0.64	0.31	1.06	1.67	2.05	0.04	0.49	2.65	6.29

Figure WQ TSS 177 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.58	16.63	17.03	31.09	29.42	17.05	11.20	11.25	9.29	10.25	15.96	17.79
CRMS0276 - Just east of Wilkinson Canal	34.91	134.93	91.26	122.33	96.87	50.97	16.13	10.64	14.67	28.09	79.95	77.28
Barataria Waterway at Lafitte (USACE82875)	88.83	204.66	153.21	141.89	137.35	91.19	52.60	43.25	21.29	110.01	148.12	147.44
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	21.32	19.52	47.14	41.20	24.10	9.97	9.13	8.55	9.29	15.92	19.13
USGS7380251 Barataria Bay North of Grand Isle	11.09	17.13	16.88	18.19	16.32	11.72	15.75	15.95	10.83	15.53	18.25	17.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.59	25.95	20.99	32.98	26.76	17.21	9.73	8.25	7.73	8.83	17.80	21.23
USGS 07380335 - Little Lake Near Cutoff	13.70	42.64	27.65	45.13	33.17	20.67	9.83	9.27	7.79	10.19	25.02	28.34
USGS073802516 Barataria Pass at Grand Isle	10.58	27.55	21.59	35.04	27.83	19.07	11.19	8.24	7.26	8.70	17.01	21.39
HWQ14 - Lake Washington	7.84	10.79	14.70	17.59	14.65	10.35	8.72	8.43	7.16	8.70	11.41	13.00
HWQ16 - Bayou Grand Liard	16.44	67.96	43.15	73.24	47.27	28.10	12.86	11.80	10.74	13.06	36.46	38.44
CRMS 3985	20.38	26.94	22.67	15.33	13.40	12.45	22.54	19.90	10.87	23.04	28.35	27.82
CRMS 0258	12.72	57.70	39.17	84.72	70.03	37.34	11.70	8.91	14.34	17.59	35.88	39.43
CRMS 0224	10.57	43.67	28.67	66.60	51.57	30.20	10.93	8.37	10.47	10.56	21.91	28.29
CRMS 0163	134.00	224.76	196.66	146.53	156.86	97.87	61.01	48.85	26.73	130.83	200.84	174.90
CRMS 0162	99.72	183.60	109.18	109.00	123.52	88.48	48.90	32.26	16.88	60.90	142.24	162.02

V3PR5 HYST - cy 4 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	173.83	256.91	232.96	156.25	198.76	118.57	88.99	55.78	49.09	162.22	198.55	172.19
CRMS0276 - Just east of Wilkinson Canal	36.61	125.60	89.58	122.60	92.50	50.74	17.61	11.32	15.15	29.94	80.70	79.49
Barataria Waterway at Lafitte (USACE82875)	90.14	202.51	152.49	142.15	136.12	91.72	53.79	45.33	24.77	113.37	150.47	149.25
USGS2928590900040000 Barataria Waterway South of Lafitte	51.65	152.05	119.27	61.05	118.64	41.16	39.38	32.01	20.28	43.88	38.77	38.36
USGS7380251 Barataria Bay North of Grand Isle	16.40	67.10	49.42	45.60	57.58	16.50	11.37	14.50	12.04	18.43	21.78	19.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.48	94.84	66.75	59.21	73.69	22.82	12.82	10.93	10.34	15.04	22.67	23.43
USGS 07380335 - Little Lake Near Cutoff	14.96	75.65	46.51	65.55	58.05	24.10	11.58	8.99	7.96	11.29	25.95	28.96
USGS073802516 Barataria Pass at Grand Isle	12.28	62.88	40.20	54.80	40.11	23.26	12.53	9.06	7.99	11.43	20.05	22.51
HWQ14 - Lake Washington	9.96	43.90	27.18	37.10	29.28	14.41	7.95	7.34	7.69	11.54	14.88	14.38
HWQ16 - Bayou Grand Liard	17.72	69.01	44.31	77.33	48.79	29.73	12.97	11.74	9.30	11.39	36.88	40.22
CRMS 3985	20.31	36.44	21.75	31.55	27.18	12.16	11.32	17.60	10.70	22.84	26.51	27.21
CRMS 0258	15.97	71.36	44.62	77.27	76.23	37.79	17.34	14.93	16.02	22.28	38.65	40.68
CRMS 0224	13.86	75.08	47.44	65.72	72.90	32.06	15.59	13.07	12.65	16.86	25.02	28.96
CRMS 0163	134.97	225.20	198.82	149.03	155.91	99.50	62.88	51.13	27.94	137.21	203.13	177.55
CRMS 0162	100.23	183.89	106.54	114.56	124.65	93.41	52.54	33.09	17.02	69.17	143.22	164.74

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	166.25	240.28	215.92	125.16	169.35	101.51	77.80	44.53	39.80	151.97	182.60	154.40
CRMS0276 - Just east of Wilkinson Canal	1.70	-9.34	-1.68	0.27	-4.37	-0.23	1.48	0.68	0.48	1.86	0.75	2.21
Barataria Waterway at Lafitte (USACE82875)	1.31	-2.15	-0.72	0.26	-1.23	0.52	1.19	2.08	3.48	3.36	2.35	1.80
USGS2928590900040000 Barataria Waterway South of Lafitte	44.79	130.73	99.75	13.92	77.44	17.06	29.41	22.88	11.73	34.59	22.85	19.23
USGS7380251 Barataria Bay North of Grand Isle	5.31	49.97	32.54	27.41	41.26	4.78	-4.38	-1.44	1.22	2.90	3.54	1.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.89	68.90	45.77	26.23	46.93	5.61	3.08	2.68	2.61	6.21	4.87	2.20
USGS 07380335 - Little Lake Near Cutoff	1.26	33.01	18.86	20.42	24.88	3.44	1.75	-0.28	0.18	1.10	0.92	0.62
USGS073802516 Barataria Pass at Grand Isle	1.69	35.32	18.61	19.77	12.28	4.19	1.35	0.81	0.73	2.74	3.04	1.13
HWQ14 - Lake Washington	2.12	33.11	12.48	19.52	14.63	4.06	-0.76	-1.09	0.53	2.84	3.47	1.38
HWQ16 - Bayou Grand Liard	1.28	1.05	1.16	4.09	1.52	1.63	0.11	-0.06	-1.44	-1.68	0.43	1.79
CRMS 3985	-0.07	9.50	-0.92	16.22	13.78	-0.30	-11.23	-2.31	-0.17	-0.20	-1.84	-0.60
CRMS 0258	3.25	13.66	5.45	-7.45	6.20	0.45	5.64	6.02	1.68	4.69	2.76	1.25
CRMS 0224	3.28	31.41	18.77	-0.88	21.33	1.86	4.66	4.70	2.18	6.29	3.10	0.66
CRMS 0163	0.97	0.45	2.15	2.50	-0.95	1.64	1.87	2.28	1.21	6.39	2.29	2.65
CRMS 0162	0.51	0.29	-2.64	5.56	1.12	4.93	3.65	0.84	0.14	8.27	0.97	2.72

Figure WQ TSS 178 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.17	10.81	14.71	23.11	23.27	19.74	16.84	17.69	16.42	14.98	9.27	9.68
CRMS0276 - Just east of Wilkinson Canal	38.13	87.01	51.08	77.57	79.05	59.38	36.45	33.84	46.43	36.44	31.27	38.54
Barataria Waterway at Lafitte (USACE82875)	80.41	122.64	78.98	98.48	110.63	81.02	83.25	78.47	81.39	79.35	59.67	107.67
USGS2928590900040000 Barataria Waterway South of Lafitte	7.02	14.10	17.60	31.55	32.13	27.55	13.72	14.76	20.72	17.74	9.36	8.67
USGS7380251 Barataria Bay North of Grand Isle	9.26	9.03	9.81	12.89	13.18	11.44	16.93	18.43	16.04	15.37	11.56	12.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.51	19.44	18.75	24.30	21.59	18.18	11.63	12.68	15.93	15.57	11.04	9.31
USGS 07380335 - Little Lake Near Cutoff	13.78	31.65	24.46	32.56	27.09	22.85	13.73	12.96	16.74	16.72	12.88	11.37
USGS073802516 Barataria Pass at Grand Isle	10.02	21.48	19.13	26.40	23.86	21.20	15.13	13.44	13.29	14.98	10.88	9.81
HWQ14 - Lake Washington	6.43	7.67	10.79	12.93	12.34	9.80	8.31	8.97	9.53	10.47	9.09	8.32
HWQ16 - Bayou Grand Liard	20.60	52.10	33.57	48.62	41.16	36.59	22.57	17.76	19.10	15.39	15.40	17.09
CRMS 3985	14.76	11.18	7.04	8.80	9.87	10.04	23.69	24.31	19.80	20.10	16.05	21.29
CRMS 0258	14.75	36.53	30.10	50.56	54.49	47.11	26.40	27.09	39.76	29.51	15.19	16.10
CRMS 0224	9.99	29.82	24.44	41.60	39.72	33.04	14.67	15.35	28.82	22.81	12.46	10.10
CRMS 0163	108.29	137.65	102.43	106.77	125.09	89.79	93.98	94.54	91.95	91.70	80.34	144.32
CRMS 0162	102.39	130.55	80.08	95.96	104.55	98.81	127.62	110.26	63.57	60.18	47.12	117.64

V3PR5 HYST - cy 4 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.47	186.67	150.94	152.51	180.48	144.05	155.35	131.29	104.98	115.30	93.49	150.80
CRMS0276 - Just east of Wilkinson Canal	41.88	75.81	44.89	75.49	72.42	54.81	39.06	38.50	48.51	38.90	32.52	40.25
Barataria Waterway at Lafitte (USACE82875)	77.77	119.43	75.76	96.12	107.89	78.32	79.70	76.50	84.08	82.26	61.48	109.65
USGS2928590900040000 Barataria Waterway South of Lafitte	101.44	124.84	94.92	98.86	121.98	96.92	107.96	73.90	34.73	40.52	21.54	33.00
USGS7380251 Barataria Bay North of Grand Isle	38.86	64.94	40.68	58.04	68.64	48.31	45.68	32.13	15.26	13.47	10.64	13.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	52.83	80.41	56.68	65.55	73.39	59.65	64.32	46.39	21.62	19.23	13.31	12.82
USGS 07380335 - Little Lake Near Cutoff	34.42	62.01	40.92	56.47	59.34	48.25	46.73	32.68	20.44	18.52	14.09	12.58
USGS073802516 Barataria Pass at Grand Isle	27.41	48.55	32.26	44.54	39.41	32.87	31.73	26.61	16.52	16.82	12.11	11.00
HWQ14 - Lake Washington	21.36	36.15	23.13	35.15	32.04	26.63	24.76	20.21	11.01	11.27	9.01	8.82
HWQ16 - Bayou Grand Liard	22.33	49.78	31.92	48.90	41.93	37.36	24.46	19.24	20.73	16.55	16.29	17.54
CRMS 3985	19.90	29.31	17.29	30.56	32.85	26.53	22.34	16.75	9.08	11.30	11.60	20.44
CRMS 0258	41.85	53.15	37.28	57.17	67.74	63.60	71.76	57.27	42.37	34.00	16.17	18.25
CRMS 0224	46.94	62.39	42.88	59.60	66.81	60.95	67.96	50.11	31.53	25.74	14.13	12.43
CRMS 0163	106.48	136.29	101.09	105.26	123.03	88.13	92.31	94.96	95.33	95.67	82.11	147.01
CRMS 0162	101.33	129.13	77.47	96.80	103.41	99.89	130.57	113.59	68.22	66.85	46.74	118.38

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	151.30	175.85	136.23	129.40	157.20	124.31	138.51	113.60	88.56	100.31	84.22	141.12
CRMS0276 - Just east of Wilkinson Canal	3.76	-11.20	-6.19	-2.08	-6.63	-4.57	2.61	4.65	2.08	2.47	1.25	1.71
Barataria Waterway at Lafitte (USACE82875)	-2.63	-3.21	-3.22	-2.36	-2.74	-2.70	-3.55	-1.97	2.69	2.91	1.80	1.98
USGS2928590900040000 Barataria Waterway South of Lafitte	94.42	110.74	77.32	67.30	89.85	69.37	94.24	59.14	14.01	22.78	12.18	24.33
USGS7380251 Barataria Bay North of Grand Isle	29.60	55.91	30.86	45.15	55.46	36.87	28.75	13.69	-0.78	-1.90	-0.92	0.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.32	60.97	37.93	41.25	51.80	41.47	52.69	33.70	5.69	3.66	2.28	3.51
USGS 07380335 - Little Lake Near Cutoff	20.65	30.36	16.46	23.91	32.25	25.39	33.01	19.72	3.70	1.80	1.21	1.21
USGS073802516 Barataria Pass at Grand Isle	17.39	27.07	13.13	18.15	15.54	11.67	16.60	13.17	3.23	1.84	1.23	1.19
HWQ14 - Lake Washington	14.92	28.48	12.34	22.22	19.70	16.84	16.45	11.24	1.48	0.80	-0.08	0.50
HWQ16 - Bayou Grand Liard	1.73	-2.32	-1.64	0.28	0.77	0.77	1.89	1.47	1.62	1.16	0.89	0.45
CRMS 3985	5.14	18.13	10.26	21.76	22.97	16.49	-1.36	-7.56	-10.72	-8.80	-4.45	-0.86
CRMS 0258	27.09	16.62	7.19	6.61	13.25	16.49	45.37	30.18	2.61	4.49	0.98	2.15
CRMS 0224	36.95	32.57	18.44	17.99	27.09	27.90	53.29	34.76	2.71	2.93	1.67	2.33
CRMS 0163	-1.82	-1.36	-1.33	-1.51	-2.06	-1.66	-1.67	0.43	3.38	3.97	1.77	2.70
CRMS 0162	-1.06	-1.42	-2.61	0.85	-1.14	1.08	2.95	3.33	4.65	6.66	-0.38	0.74

Figure WQ TSS 179 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.11	6.22	20.86	34.27	34.61	20.61	12.92	13.07	12.44	12.91	8.02	18.31
CRMS0276 - Just east of Wilkinson Canal	67.25	47.73	130.53	115.24	128.17	41.35	25.14	23.39	35.90	28.76	28.59	125.12
Barataria Waterway at Lafitte (USACE82875)	109.71	100.27	214.87	148.87	171.39	55.67	56.18	56.94	63.61	61.73	64.27	225.00
USGS2928590900040000 Barataria Waterway South of Lafitte	12.03	8.54	20.15	46.14	50.06	27.31	11.79	10.88	16.08	15.67	7.82	18.48
USGS7380251 Barataria Bay North of Grand Isle	13.07	8.07	20.57	20.93	17.67	11.96	9.01	10.87	12.04	13.15	10.77	18.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.74	14.20	23.19	38.71	34.42	21.14	11.09	10.23	12.50	13.35	10.17	19.31
USGS 07380335 - Little Lake Near Cutoff	33.33	20.14	34.08	51.71	46.36	24.67	12.39	9.75	12.72	14.05	12.80	31.46
USGS073802516 Barataria Pass at Grand Isle	23.89	14.54	25.07	41.68	37.94	23.80	14.54	10.84	10.33	12.76	9.95	22.50
HWQ14 - Lake Washington	11.74	7.03	14.72	20.78	17.40	12.69	7.28	6.88	7.17	9.00	7.89	10.83
HWQ16 - Bayou Grand Liard	41.44	26.33	73.28	77.67	80.93	32.93	14.88	13.01	14.04	12.86	15.58	59.36
CRMS 3985	20.00	13.65	31.38	16.17	13.01	8.86	6.17	12.23	15.05	16.84	16.22	31.08
CRMS 0258	26.12	21.94	51.01	73.63	84.43	36.50	21.61	21.31	31.76	26.40	12.17	47.41
CRMS 0224	24.50	20.27	31.80	62.66	66.34	30.69	13.51	12.77	23.43	20.12	10.06	27.98
CRMS 0163	133.73	116.60	265.97	163.01	186.38	59.55	65.42	69.28	74.10	64.91	98.06	266.20
CRMS 0162	126.66	74.89	219.20	147.10	172.96	71.18	90.56	78.00	42.54	35.33	54.91	263.15

V3PR5 HYST - cy 4 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	142.71	136.65	347.31	223.19	245.27	107.38	113.89	87.67	86.17	84.16	129.54	339.34
CRMS0276 - Just east of Wilkinson Canal	69.22	47.75	110.78	109.70	122.12	39.37	28.21	26.96	37.25	31.30	29.11	105.63
Barataria Waterway at Lafitte (USACE82875)	108.69	101.15	209.48	145.26	169.28	54.57	52.54	57.28	64.80	64.45	66.20	219.50
USGS2928590900040000 Barataria Waterway South of Lafitte	44.00	27.04	244.93	156.24	173.32	62.80	76.06	39.80	31.12	35.24	35.51	246.96
USGS7380251 Barataria Bay North of Grand Isle	27.69	13.31	116.12	89.42	103.00	35.91	35.37	17.21	14.43	12.79	13.39	109.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	42.94	17.00	160.19	99.05	114.77	40.85	46.30	20.36	16.92	17.07	12.23	159.27
USGS 07380335 - Little Lake Near Cutoff	48.07	21.17	116.97	83.22	96.63	35.37	32.90	15.77	14.83	15.98	11.32	107.64
USGS073802516 Barataria Pass at Grand Isle	39.91	16.11	78.66	64.33	64.54	28.22	23.46	16.65	12.14	14.88	10.30	80.30
HWQ14 - Lake Washington	28.35	10.22	51.65	51.58	50.87	23.42	18.56	11.97	8.98	10.50	8.55	54.19
HWQ16 - Bayou Grand Liard	45.33	26.63	72.74	75.83	77.69	31.35	16.53	13.29	15.19	13.92	13.87	60.28
CRMS 3985	27.28	17.78	52.76	47.65	54.35	23.47	17.76	10.79	12.80	10.80	12.98	46.13
CRMS 0258	37.17	21.71	108.63	82.28	100.97	44.29	53.62	33.99	33.14	30.70	13.96	100.38
CRMS 0224	42.71	20.74	127.54	87.93	103.87	41.62	50.43	24.06	25.14	23.03	11.55	118.10
CRMS 0163	133.14	119.28	264.89	160.99	186.70	58.87	63.05	70.78	76.10	68.95	99.57	265.12
CRMS 0162	126.84	76.62	218.93	146.43	174.95	71.65	90.06	80.92	44.33	36.58	54.65	261.23

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	132.60	130.43	326.45	188.93	210.65	86.78	100.97	74.60	73.73	71.25	121.53	321.03
CRMS0276 - Just east of Wilkinson Canal	1.97	0.01	-19.75	-5.54	-6.06	-1.98	3.07	3.57	1.35	2.54	0.51	-19.49
Barataria Waterway at Lafitte (USACE82875)	-1.02	0.88	-5.38	-3.61	-2.11	-1.10	-3.64	0.34	1.19	2.73	1.92	-5.50
USGS2928590900040000 Barataria Waterway South of Lafitte	31.97	18.50	224.78	110.10	123.26	35.49	64.27	28.92	15.05	19.57	27.69	228.48
USGS7380251 Barataria Bay North of Grand Isle	14.62	5.24	95.55	68.49	85.33	23.95	26.36	6.35	2.40	-0.36	2.62	90.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.20	2.80	136.99	60.33	80.35	19.71	35.21	10.14	4.42	3.72	2.06	139.95
USGS 07380335 - Little Lake Near Cutoff	14.74	1.04	82.90	31.51	50.26	10.71	20.51	6.02	2.11	1.92	-1.48	76.18
USGS073802516 Barataria Pass at Grand Isle	16.02	1.57	53.60	22.65	26.60	4.42	8.92	5.81	1.82	2.12	0.35	57.80
HWQ14 - Lake Washington	16.61	3.19	36.93	30.80	33.47	10.73	11.28	5.09	1.81	1.50	0.66	43.36
HWQ16 - Bayou Grand Liard	3.89	0.29	-0.54	-1.85	-3.24	-1.58	1.65	0.28	1.15	1.06	-1.70	0.92
CRMS 3985	7.28	4.13	21.38	31.49	41.34	14.61	11.59	-1.44	-2.25	-6.04	-3.25	15.05
CRMS 0258	11.05	-0.23	57.62	8.65	16.55	7.79	32.01	12.68	1.38	4.30	1.79	52.97
CRMS 0224	18.21	0.46	95.74	25.28	37.53	10.93	36.93	11.29	1.70	2.91	1.49	90.12
CRMS 0163	-0.58	2.68	-1.08	-2.03	0.32	-0.68	-2.38	1.50	2.00	4.04	1.51	-1.07
CRMS 0162	0.19	1.73	-0.27	-0.67	1.99	0.47	-0.50	2.93	1.79	1.25	-0.27	-1.92

Figure WQ TSS 180 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.02	14.92	22.22	30.86	22.41	15.30	12.75	13.40	16.57	18.79	9.07	8.06
CRMS0276 - Just east of Wilkinson Canal	50.86	107.98	128.86	110.57	49.72	43.73	33.35	24.44	48.31	51.50	25.38	23.45
Barataria Waterway at Lafitte (USACE82875)	126.64	177.82	172.26	147.44	69.10	64.22	59.01	57.85	91.49	86.95	49.18	76.39
USGS2928590900040000 Barataria Waterway South of Lafitte	9.08	19.68	27.06	41.56	28.29	20.28	11.87	11.43	21.48	23.39	9.51	7.51
USGS7380251 Barataria Bay North of Grand Isle	13.31	15.46	18.39	17.78	13.94	9.92	8.85	10.87	14.37	16.23	10.55	10.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.83	24.32	31.74	35.61	23.47	14.37	11.91	11.29	15.26	19.51	11.08	7.68
USGS 07380335 - Little Lake Near Cutoff	12.84	36.80	46.51	48.78	27.52	17.23	14.55	11.03	16.57	22.67	12.40	8.69
USGS073802516 Barataria Pass at Grand Isle	8.60	24.28	33.21	39.10	26.21	17.24	16.33	12.18	11.67	18.74	11.09	7.99
HWQ14 - Lake Washington	6.50	10.63	16.66	18.19	15.17	9.19	7.02	7.23	7.49	11.06	8.96	7.22
HWQ16 - Bayou Grand Liard	19.82	52.74	78.21	76.48	37.51	25.29	21.89	13.24	18.15	23.93	13.76	11.75
CRMS 3985	24.76	24.46	18.99	12.53	10.29	7.67	6.10	12.11	16.78	19.63	14.14	16.30
CRMS 0258	20.32	53.72	60.14	67.55	39.41	36.80	22.80	22.56	44.18	40.95	13.85	10.50
CRMS 0224	9.91	39.67	46.08	57.31	33.60	24.76	14.98	14.03	28.64	30.35	12.43	7.55
CRMS 0163	174.84	206.44	194.29	159.57	78.48	70.89	64.88	68.75	110.77	91.37	64.38	106.13
CRMS 0162	168.40	198.91	178.44	153.00	79.13	80.78	88.94	81.34	88.82	82.72	34.96	84.69

V3PR6 HYST - cy 4 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	228.56	273.68	259.37	221.92	132.67	124.94	115.61	99.20	140.95	108.42	77.50	135.17
CRMS0276 - Just east of Wilkinson Canal	49.63	93.09	104.98	101.35	45.17	41.18	39.56	30.46	48.71	50.61	26.09	23.82
Barataria Waterway at Lafitte (USACE82875)	123.80	171.20	164.81	143.60	65.50	59.68	52.06	54.00	94.42	85.72	50.69	78.35
USGS2928590900040000 Barataria Waterway South of Lafitte	120.25	185.88	217.98	185.18	104.14	97.31	88.00	54.67	61.09	55.50	13.99	23.11
USGS7380251 Barataria Bay North of Grand Isle	65.94	122.02	156.56	128.88	66.12	63.07	57.27	34.30	29.29	33.38	9.38	10.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	97.08	151.05	170.75	134.31	68.26	68.19	65.37	45.90	36.38	51.59	12.33	14.29
USGS 07380335 - Little Lake Near Cutoff	57.90	118.08	143.71	112.62	56.52	54.76	51.56	33.14	26.42	49.44	13.15	9.96
USGS073802516 Barataria Pass at Grand Isle	46.42	70.85	106.33	82.24	42.73	37.52	36.95	25.27	21.22	37.86	11.34	7.90
HWQ14 - Lake Washington	32.25	52.40	77.02	67.23	36.28	31.26	30.25	19.55	14.83	26.74	8.53	6.45
HWQ16 - Bayou Grand Liard	23.68	65.13	92.95	82.17	39.61	31.47	26.71	15.57	19.84	28.64	14.03	10.82
CRMS 3985	34.03	56.20	87.80	75.70	38.88	38.10	37.09	19.56	11.27	16.33	9.15	14.93
CRMS 0258	55.20	109.69	118.04	95.41	48.51	54.29	53.14	47.37	43.37	51.62	13.20	11.22
CRMS 0224	69.17	126.17	134.58	105.46	51.52	54.43	52.84	43.48	31.79	51.97	12.30	8.80
CRMS 0163	171.84	203.22	190.56	157.11	75.44	67.04	60.46	69.04	113.63	91.52	65.97	108.76
CRMS 0162	166.09	201.89	174.87	156.66	81.00	81.80	90.41	82.95	89.25	77.25	34.89	86.34

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	216.54	258.76	237.15	191.06	110.26	109.64	102.85	85.80	124.38	89.63	68.44	127.11
CRMS0276 - Just east of Wilkinson Canal	-1.23	-14.89	-23.88	-9.22	-4.55	-2.56	6.21	6.02	0.40	-0.89	0.71	0.36
Barataria Waterway at Lafitte (USACE82875)	-2.84	-6.62	-7.45	-3.84	-3.60	-4.54	-6.94	-3.85	2.93	-1.22	1.51	1.96
USGS2928590900040000 Barataria Waterway South of Lafitte	111.17	166.20	190.92	143.62	75.85	77.03	76.13	43.24	39.61	32.10	4.48	15.60
USGS7380251 Barataria Bay North of Grand Isle	52.63	106.56	138.16	111.10	52.18	53.15	48.42	23.44	14.92	17.15	-1.17	0.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	88.24	126.73	139.01	98.70	44.79	53.82	53.46	34.60	21.13	32.09	1.25	6.61
USGS 07380335 - Little Lake Near Cutoff	45.06	81.28	97.19	63.85	28.99	37.53	37.01	22.11	9.85	26.77	0.75	1.27
USGS073802516 Barataria Pass at Grand Isle	37.83	46.57	73.12	43.14	16.52	20.28	20.63	13.09	9.55	19.12	0.25	-0.08
HWQ14 - Lake Washington	25.75	41.76	60.36	49.05	21.11	22.07	23.23	12.33	7.35	15.68	-0.43	-0.77
HWQ16 - Bayou Grand Liard	3.86	12.39	14.74	5.69	2.10	6.18	4.82	2.33	1.69	4.71	0.28	-0.93
CRMS 3985	9.28	31.73	68.80	63.17	28.59	30.43	30.98	7.45	-5.51	-3.30	-4.99	-1.37
CRMS 0258	34.88	55.97	57.90	27.86	9.11	17.49	30.35	24.81	-0.80	10.67	-0.65	0.72
CRMS 0224	59.26	86.50	88.51	48.14	17.92	29.67	37.86	29.45	3.15	21.62	-0.13	1.24
CRMS 0163	-3.00	-3.22	-3.73	-2.45	-3.03	-3.85	-4.42	0.29	2.86	0.15	1.59	2.63
CRMS 0162	-2.31	2.98	-3.57	3.66	1.87	1.01	1.48	1.60	0.42	-5.47	-0.07	1.65

Figure WQ TSS 181 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.91	14.01	17.74	22.57	23.86	15.62	11.36	11.36	11.24	11.36	8.39	16.31
CRMS0276 - Just east of Wilkinson Canal	59.22	95.03	82.72	71.39	64.05	32.82	18.33	15.54	24.63	24.44	44.48	83.81
Barataria Waterway at Lafitte (USACE82875)	101.60	142.42	120.23	100.67	84.99	50.97	57.97	56.10	63.64	56.40	95.85	171.66
USGS2928590900040000 Barataria Waterway South of Lafitte	11.03	18.11	21.80	29.23	32.25	19.79	10.46	9.46	12.60	12.50	8.02	15.24
USGS7380251 Barataria Bay North of Grand Isle	13.61	12.03	12.14	13.33	13.28	10.00	9.26	14.55	13.36	12.90	12.63	17.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.22	23.31	25.41	24.10	23.70	14.34	9.04	8.12	10.06	11.03	12.31	16.35
USGS 07380335 - Little Lake Near Cutoff	23.38	35.40	35.57	31.51	29.27	16.11	9.20	7.69	9.23	11.45	16.60	23.58
USGS073802516 Barataria Pass at Grand Isle	16.69	24.36	26.69	26.56	26.31	16.63	11.18	8.52	8.68	10.67	11.57	17.34
HWQ14 - Lake Washington	9.90	9.92	13.07	13.82	13.51	9.39	6.38	6.78	7.82	8.63	8.51	10.73
HWQ16 - Bayou Grand Liard	30.85	54.80	57.69	46.50	44.56	18.99	9.69	12.89	10.57	11.53	20.94	37.23
CRMS 3985	22.11	15.79	9.03	9.27	9.61	7.51	9.81	20.66	17.32	16.68	20.48	29.20
CRMS 0258	24.94	45.11	40.88	44.22	49.03	32.05	16.26	11.34	23.53	20.81	14.61	40.26
CRMS 0224	17.85	35.72	33.80	36.87	39.90	22.62	11.25	9.81	16.81	15.68	12.82	23.41
CRMS 0163	125.50	167.39	141.15	115.45	93.88	54.04	69.66	66.33	72.68	65.97	139.88	215.34
CRMS 0162	123.58	157.26	131.44	106.97	91.50	60.12	97.29	62.49	33.34	33.85	81.86	199.98

V3PR6 HYST - cy 4 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	162.74	234.18	200.65	176.57	147.51	76.30	98.71	85.64	87.72	95.00	152.55	262.95
CRMS0276 - Just east of Wilkinson Canal	56.80	82.69	67.53	62.96	62.40	32.05	17.79	17.02	25.62	24.31	45.47	81.70
Barataria Waterway at Lafitte (USACE82875)	97.13	133.28	113.46	95.60	80.90	50.12	58.08	57.37	65.32	57.30	101.56	169.68
USGS2928590900040000 Barataria Waterway South of Lafitte	92.76	192.83	166.21	144.03	118.35	36.73	35.51	32.21	27.22	27.68	19.98	140.91
USGS7380251 Barataria Bay North of Grand Isle	58.94	127.90	116.66	97.36	79.78	23.35	14.15	13.27	15.31	13.77	11.81	77.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	86.33	145.81	123.94	101.87	82.45	27.03	16.15	14.38	15.23	15.52	13.78	107.54
USGS 07380335 - Little Lake Near Cutoff	64.42	113.78	102.64	81.85	69.87	26.39	13.24	10.24	12.47	13.27	14.67	77.53
USGS073802516 Barataria Pass at Grand Isle	52.88	81.97	74.96	58.57	51.94	24.01	12.91	9.46	9.76	11.83	12.00	45.91
HWQ14 - Lake Washington	34.89	60.17	55.10	47.28	43.61	18.85	8.87	7.26	8.60	9.68	8.70	28.38
HWQ16 - Bayou Grand Liard	37.50	66.37	64.81	53.69	49.01	21.48	9.50	12.93	10.71	10.95	19.94	41.85
CRMS 3985	33.14	63.57	64.11	53.58	48.00	16.94	8.52	9.94	15.98	13.62	8.44	33.43
CRMS 0258	56.04	93.88	82.61	68.26	60.09	32.17	19.51	14.97	22.62	21.83	13.34	79.38
CRMS 0224	67.51	111.81	95.06	77.49	63.81	27.69	16.12	14.65	18.37	17.36	11.89	86.45
CRMS 0163	123.07	161.58	137.95	111.62	91.01	53.86	71.97	68.35	74.82	67.32	144.30	215.37
CRMS 0162	123.20	156.55	129.90	105.37	93.05	62.89	98.51	63.21	33.42	32.65	83.84	205.51

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	150.83	220.16	182.91	154.00	123.65	60.68	87.34	74.28	76.48	83.64	144.16	246.65
CRMS0276 - Just east of Wilkinson Canal	-2.43	-12.35	-15.19	-8.43	-1.64	-0.77	-0.54	1.48	0.99	-0.13	0.99	-2.12
Barataria Waterway at Lafitte (USACE82875)	-4.47	-9.14	-6.78	-5.07	-4.09	-0.85	0.11	1.27	1.68	0.90	5.71	-1.99
USGS2928590900040000 Barataria Waterway South of Lafitte	81.73	174.72	144.40	114.80	86.10	16.93	25.05	22.75	14.62	15.18	11.97	125.67
USGS7380251 Barataria Bay North of Grand Isle	45.33	115.87	104.52	84.02	66.51	13.35	4.89	-1.27	1.95	0.87	-0.82	59.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	70.11	122.50	98.54	77.76	58.75	12.70	7.10	6.26	5.17	4.49	1.47	91.19
USGS 07380335 - Little Lake Near Cutoff	41.03	78.38	67.07	50.34	40.60	10.27	4.04	2.55	3.24	1.82	-1.93	53.95
USGS073802516 Barataria Pass at Grand Isle	36.19	57.61	48.27	32.01	25.63	7.38	1.73	0.94	1.08	1.16	0.43	28.57
HWQ14 - Lake Washington	24.99	50.26	42.02	33.46	30.11	9.47	2.49	0.48	0.78	1.05	0.19	17.65
HWQ16 - Bayou Grand Liard	6.65	11.57	7.12	7.19	4.45	2.49	-0.19	0.04	0.14	-0.58	-1.00	4.63
CRMS 3985	11.04	47.78	55.09	44.31	38.39	9.43	-1.29	-10.72	-1.34	-3.07	-12.04	4.23
CRMS 0258	31.11	48.77	41.73	24.04	11.06	0.12	3.26	3.64	-0.91	1.02	-1.27	39.12
CRMS 0224	49.66	76.09	61.26	40.62	23.91	5.07	4.87	4.85	1.56	1.68	-0.92	63.04
CRMS 0163	-2.43	-5.81	-3.20	-3.83	-2.87	-0.18	2.31	2.02	2.14	1.35	4.42	0.03
CRMS 0162	-0.38	-0.71	-1.53	-1.60	1.55	2.77	1.21	0.72	0.09	-1.21	1.98	5.53

Figure WQ TSS 182 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.58	16.63	17.03	31.09	29.42	17.05	11.20	11.25	9.29	10.25	15.96	17.79
CRMS0276 - Just east of Wilkinson Canal	34.91	134.93	91.26	122.33	96.87	50.97	16.13	10.64	14.67	28.09	79.95	77.28
Barataria Waterway at Lafitte (USACE82875)	88.83	204.66	153.21	141.89	137.35	91.19	52.60	43.25	21.29	110.01	148.12	147.44
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	21.32	19.52	47.14	41.20	24.10	9.97	9.13	8.55	9.29	15.92	19.13
USGS7380251 Barataria Bay North of Grand Isle	11.09	17.13	16.88	18.19	16.32	11.72	15.75	15.95	10.83	15.53	18.25	17.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.59	25.95	20.99	32.98	26.76	17.21	9.73	8.25	7.73	8.83	17.80	21.23
USGS 07380335 - Little Lake Near Cutoff	13.70	42.64	27.65	45.13	33.17	20.67	9.83	9.27	7.79	10.19	25.02	28.34
USGS073802516 Barataria Pass at Grand Isle	10.58	27.55	21.59	35.04	27.83	19.07	11.19	8.24	7.26	8.70	17.01	21.39
HWQ14 - Lake Washington	7.84	10.79	14.70	17.59	14.65	10.35	8.72	8.43	7.16	8.70	11.41	13.00
HWQ16 - Bayou Grand Liard	16.44	67.96	43.15	73.24	47.27	28.10	12.86	11.80	10.74	13.06	36.46	38.44
CRMS 3985	20.38	26.94	22.67	15.33	13.40	12.45	22.54	19.90	10.87	23.04	28.35	27.82
CRMS 0258	12.72	57.70	39.17	84.72	70.03	37.34	11.70	8.91	14.34	17.59	35.88	39.43
CRMS 0224	10.57	43.67	28.67	66.60	51.57	30.20	10.93	8.37	10.47	10.56	21.91	28.29
CRMS 0163	134.00	224.76	196.66	146.53	156.86	97.87	61.01	48.85	26.73	130.83	200.84	174.90
CRMS 0162	99.72	183.60	109.18	109.00	123.52	88.48	48.90	32.26	16.88	60.90	142.24	162.02

V3PR6 HYST - cy 4 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	175.09	264.76	236.85	157.34	202.98	119.11	90.06	57.21	49.24	162.09	201.46	173.02
CRMS0276 - Just east of Wilkinson Canal	36.66	121.52	86.13	120.92	88.89	50.79	17.25	10.89	15.11	29.69	81.46	82.10
Barataria Waterway at Lafitte (USACE82875)	91.01	204.26	153.93	143.90	135.92	92.21	52.40	43.39	25.47	113.43	155.71	154.38
USGS2928590900040000 Barataria Waterway South of Lafitte	39.65	164.03	128.88	54.25	125.75	28.54	28.91	25.61	18.93	31.58	26.50	22.83
USGS7380251 Barataria Bay North of Grand Isle	21.83	101.99	84.75	51.09	82.33	17.75	11.33	11.91	11.18	17.65	17.36	14.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.17	142.17	98.32	66.66	107.99	23.89	14.91	12.24	10.51	16.13	21.50	21.76
USGS 07380335 - Little Lake Near Cutoff	14.61	110.16	71.06	74.77	84.69	26.40	13.27	9.78	9.07	12.28	25.58	28.21
USGS073802516 Barataria Pass at Grand Isle	12.09	89.44	55.00	66.63	52.63	23.80	12.67	8.82	7.49	10.74	19.29	21.43
HWQ14 - Lake Washington	9.39	57.47	35.24	45.40	37.12	15.36	8.00	6.36	6.85	10.85	12.39	10.80
HWQ16 - Bayou Grand Liard	17.44	75.81	46.89	82.82	51.71	30.59	13.11	11.81	9.39	11.48	37.38	41.25
CRMS 3985	19.91	41.74	33.74	39.86	37.17	13.30	8.12	12.30	9.64	21.05	12.68	16.00
CRMS 0258	13.67	84.11	55.72	72.61	77.36	31.98	13.68	11.41	14.08	19.77	37.42	38.58
CRMS 0224	13.59	103.76	67.99	65.12	83.50	28.14	14.58	12.02	11.78	15.75	22.50	26.65
CRMS 0163	134.59	226.39	198.29	149.63	154.98	100.38	62.15	50.51	28.50	136.71	206.40	180.20
CRMS 0162	100.63	186.90	113.21	119.75	130.19	93.02	50.14	31.52	17.43	63.99	149.48	166.77

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	167.51	248.13	219.81	126.24	173.56	102.06	78.86	45.96	39.94	151.84	185.50	155.23
CRMS0276 - Just east of Wilkinson Canal	1.75	-13.42	-5.13	-1.41	-7.98	-0.19	1.12	0.25	0.45	1.60	1.51	4.82
Barataria Waterway at Lafitte (USACE82875)	2.19	-0.40	0.71	2.00	-1.42	1.01	-0.20	0.14	4.18	3.41	7.59	6.94
USGS2928590900040000 Barataria Waterway South of Lafitte	32.80	142.71	109.36	7.12	84.56	4.44	18.95	16.48	10.38	22.29	10.58	3.70
USGS7380251 Barataria Bay North of Grand Isle	10.74	84.86	67.87	32.90	66.01	6.03	-4.42	-4.04	0.36	2.13	-0.88	-3.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.58	116.22	77.33	33.68	81.23	6.68	5.18	4.00	2.78	7.30	3.70	0.53
USGS 07380335 - Little Lake Near Cutoff	0.91	67.52	43.40	29.64	51.52	5.74	3.44	0.52	1.28	2.09	0.56	-0.13
USGS073802516 Barataria Pass at Grand Isle	1.51	61.89	33.41	31.59	24.80	4.74	1.49	0.58	0.23	2.05	2.28	0.05
HWQ14 - Lake Washington	1.55	46.68	20.54	27.81	22.47	5.01	-0.72	-2.07	-0.31	2.15	0.97	-2.20
HWQ16 - Bayou Grand Liard	1.00	7.85	3.74	9.57	4.43	2.49	0.25	0.02	-1.34	-1.58	0.93	2.81
CRMS 3985	-0.47	14.80	11.07	24.53	23.77	0.85	-14.42	-7.61	-1.23	-1.99	-15.67	-11.82
CRMS 0258	0.95	26.42	16.55	-12.11	7.33	-5.37	1.98	2.50	-0.26	2.18	1.54	-0.86
CRMS 0224	3.02	60.10	39.32	-1.49	31.94	-2.06	3.65	3.65	1.30	5.18	0.59	-1.65
CRMS 0163	0.59	1.63	1.62	3.10	-1.87	2.51	1.14	1.66	1.77	5.88	5.56	5.30
CRMS 0162	0.91	3.30	4.03	10.75	6.67	4.54	1.25	-0.74	0.55	3.09	7.24	4.74

Figure WQ TSS 183 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.17	10.81	14.71	23.11	23.27	19.74	16.84	17.69	16.42	14.98	9.27	9.68
CRMS0276 - Just east of Wilkinson Canal	38.13	87.01	51.08	77.57	79.05	59.38	36.45	33.84	46.43	36.44	31.27	38.54
Barataria Waterway at Lafitte (USACE82875)	80.41	122.64	78.98	98.48	110.63	81.02	83.25	78.47	81.39	79.35	59.67	107.67
USGS2928590900040000 Barataria Waterway South of Lafitte	7.02	14.10	17.60	31.55	32.13	27.55	13.72	14.76	20.72	17.74	9.36	8.67
USGS7380251 Barataria Bay North of Grand Isle	9.26	9.03	9.81	12.89	13.18	11.44	16.93	18.43	16.04	15.37	11.56	12.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.51	19.44	18.75	24.30	21.59	18.18	11.63	12.68	15.93	15.57	11.04	9.31
USGS 07380335 - Little Lake Near Cutoff	13.78	31.65	24.46	32.56	27.09	22.85	13.73	12.96	16.74	16.72	12.88	11.37
USGS073802516 Barataria Pass at Grand Isle	10.02	21.48	19.13	26.40	23.86	21.20	15.13	13.44	13.29	14.98	10.88	9.81
HWQ14 - Lake Washington	6.43	7.67	10.79	12.93	12.34	9.80	8.31	8.97	9.53	10.47	9.09	8.32
HWQ16 - Bayou Grand Liard	20.60	52.10	33.57	48.62	41.16	36.59	22.57	17.76	19.10	15.39	15.40	17.09
CRMS 3985	14.76	11.18	7.04	8.80	9.87	10.04	23.69	24.31	19.80	20.10	16.05	21.29
CRMS 0258	14.75	36.53	30.10	50.56	54.49	47.11	26.40	27.09	39.76	29.51	15.19	16.10
CRMS 0224	9.99	29.82	24.44	41.60	39.72	33.04	14.67	15.35	28.82	22.81	12.46	10.10
CRMS 0163	108.29	137.65	102.43	106.77	125.09	89.79	93.98	94.54	91.95	91.70	80.34	144.32
CRMS 0162	102.39	130.55	80.08	95.96	104.55	98.81	127.62	110.26	63.57	60.18	47.12	117.64

V3PR6 HYST - cy 4 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.43	193.05	156.01	157.76	185.53	148.15	159.15	132.81	105.15	115.27	93.45	150.51
CRMS0276 - Just east of Wilkinson Canal	45.79	71.54	42.53	72.48	68.67	53.56	49.12	43.14	49.54	38.74	32.11	40.89
Barataria Waterway at Lafitte (USACE82875)	75.73	116.73	73.57	94.39	106.14	75.98	72.46	72.39	86.85	81.90	61.97	112.36
USGS2928590900040000 Barataria Waterway South of Lafitte	123.61	158.38	116.66	123.62	148.04	114.14	120.44	70.34	29.23	31.66	15.38	19.05
USGS7380251 Barataria Bay North of Grand Isle	71.95	109.31	71.42	84.24	102.37	73.75	74.53	45.09	15.75	13.93	10.65	12.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	89.10	118.47	85.36	92.39	109.09	84.69	94.04	60.90	22.26	19.57	12.85	12.48
USGS 07380335 - Little Lake Near Cutoff	60.06	93.94	63.39	77.28	87.86	67.14	70.76	46.72	23.22	19.63	13.78	12.16
USGS073802516 Barataria Pass at Grand Isle	47.03	71.92	45.68	58.44	56.31	44.93	47.04	36.75	17.88	16.58	11.54	10.44
HWQ14 - Lake Washington	32.11	53.99	31.17	46.48	45.14	37.38	35.93	27.67	11.59	10.84	8.65	8.17
HWQ16 - Bayou Grand Liard	27.55	59.37	35.59	55.79	50.41	41.56	30.26	22.00	22.09	16.74	15.97	17.49
CRMS 3985	32.06	57.92	32.08	48.81	55.07	42.95	42.71	26.71	9.98	11.40	11.63	20.27
CRMS 0258	53.55	75.19	48.58	64.87	77.05	67.25	73.24	58.63	39.71	31.12	14.51	16.03
CRMS 0224	65.87	89.22	60.10	71.82	83.69	69.37	77.22	53.12	29.80	23.96	12.61	10.70
CRMS 0163	103.98	133.96	99.28	102.78	120.43	85.48	88.31	93.24	96.37	95.38	81.72	148.05
CRMS 0162	102.09	129.72	79.45	96.94	105.97	100.84	131.83	113.87	65.51	62.51	46.94	118.87

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.27	182.24	141.30	134.66	162.26	128.41	142.31	115.12	88.72	100.28	84.19	140.83
CRMS0276 - Just east of Wilkinson Canal	7.66	-15.47	-8.55	-5.09	-10.38	-5.82	12.67	9.30	3.12	2.30	0.84	2.35
Barataria Waterway at Lafitte (USACE82875)	-4.67	-5.90	-5.41	-4.09	-4.49	-5.04	-10.80	-6.08	5.46	2.55	2.30	4.69
USGS2928590900040000 Barataria Waterway South of Lafitte	116.59	144.29	99.06	92.07	115.91	86.59	106.72	55.58	8.51	13.93	6.02	10.38
USGS7380251 Barataria Bay North of Grand Isle	62.69	100.28	61.61	71.35	89.19	62.31	57.60	26.66	-0.29	-1.44	-0.91	0.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	79.58	99.03	66.61	68.10	87.50	66.51	82.41	48.22	6.34	4.01	1.81	3.18
USGS 07380335 - Little Lake Near Cutoff	46.29	62.29	38.93	44.72	60.77	44.28	57.03	33.76	6.48	2.90	0.90	0.79
USGS073802516 Barataria Pass at Grand Isle	37.00	50.44	26.55	32.04	32.44	23.73	31.91	23.32	4.59	1.60	0.66	0.63
HWQ14 - Lake Washington	25.67	46.32	20.37	33.55	32.80	27.59	27.62	18.70	2.06	0.37	-0.43	-0.15
HWQ16 - Bayou Grand Liard	6.95	7.27	2.03	7.17	9.25	4.97	7.70	4.24	2.99	1.35	0.57	0.41
CRMS 3985	17.29	46.73	25.05	40.01	45.20	32.91	19.02	2.40	-9.82	-8.70	-4.42	-1.02
CRMS 0258	38.80	38.66	18.48	14.31	22.56	20.14	46.85	31.54	-0.06	1.60	-0.68	-0.07
CRMS 0224	55.89	59.40	35.65	30.21	43.98	36.32	62.56	37.77	0.98	1.15	0.16	0.61
CRMS 0163	-4.32	-3.69	-3.14	-3.99	-4.66	-4.31	-5.67	-1.29	4.42	3.68	1.37	3.73
CRMS 0162	-0.30	-0.83	-0.63	0.98	1.43	2.03	4.22	3.61	1.94	2.33	-0.18	1.23

Figure WQ TSS 184 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.11	6.22	20.86	34.27	34.61	20.61	12.92	13.07	12.44	12.91	8.02	18.31
CRMS0276 - Just east of Wilkinson Canal	67.25	47.73	130.53	115.24	128.17	41.35	25.14	23.39	35.90	28.76	28.59	125.12
Barataria Waterway at Lafitte (USACE82875)	109.71	100.27	214.87	148.87	171.39	55.67	56.18	56.94	63.61	61.73	64.27	225.00
USGS2928590900040000 Barataria Waterway South of Lafitte	12.03	8.54	20.15	46.14	50.06	27.31	11.79	10.88	16.08	15.67	7.82	18.48
USGS7380251 Barataria Bay North of Grand Isle	13.07	8.07	20.57	20.93	17.67	11.96	9.01	10.87	12.04	13.15	10.77	18.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.74	14.20	23.19	38.71	34.42	21.14	11.09	10.23	12.50	13.35	10.17	19.31
USGS 07380335 - Little Lake Near Cutoff	33.33	20.14	34.08	51.71	46.36	24.67	12.39	9.75	12.72	14.05	12.80	31.46
USGS073802516 Barataria Pass at Grand Isle	23.89	14.54	25.07	41.68	37.94	23.80	14.54	10.84	10.33	12.76	9.95	22.50
HWQ14 - Lake Washington	11.74	7.03	14.72	20.78	17.40	12.69	7.28	6.88	7.17	9.00	7.89	10.83
HWQ16 - Bayou Grand Liard	41.44	26.33	73.28	77.67	80.93	32.93	14.88	13.01	14.04	12.86	15.58	59.36
CRMS 3985	20.00	13.65	31.38	16.17	13.01	8.86	6.17	12.23	15.05	16.84	16.22	31.08
CRMS 0258	26.12	21.94	51.01	73.63	84.43	36.50	21.61	21.31	31.76	26.40	12.17	47.41
CRMS 0224	24.50	20.27	31.80	62.66	66.34	30.69	13.51	12.77	23.43	20.12	10.06	27.98
CRMS 0163	133.73	116.60	265.97	163.01	186.38	59.55	65.42	69.28	74.10	64.91	98.06	266.20
CRMS 0162	126.66	74.89	219.20	147.10	172.96	71.18	90.56	78.00	42.54	35.33	54.91	263.15

V3PR6 HYST - cy 4 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.87	136.51	355.62	229.45	252.46	112.08	117.14	87.51	86.11	84.17	129.44	347.51
CRMS0276 - Just east of Wilkinson Canal	68.97	48.19	110.54	105.00	121.91	38.94	34.79	27.83	37.84	30.02	29.23	99.97
Barataria Waterway at Lafitte (USACE82875)	107.25	101.50	204.83	141.86	165.92	53.21	48.45	56.80	65.75	63.54	68.01	213.56
USGS2928590900040000 Barataria Waterway South of Lafitte	33.61	16.04	291.25	191.29	214.41	84.83	85.65	33.63	27.28	28.74	28.13	290.01
USGS7380251 Barataria Bay North of Grand Isle	34.64	13.45	201.69	134.55	158.40	51.52	53.63	20.32	13.95	13.22	16.01	198.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	49.61	17.34	228.42	143.73	162.75	54.82	64.94	24.17	17.34	16.96	15.27	231.23
USGS 07380335 - Little Lake Near Cutoff	54.87	21.63	180.77	118.34	139.55	44.67	48.80	20.45	17.27	16.59	11.66	177.73
USGS073802516 Barataria Pass at Grand Isle	49.17	16.55	123.52	84.76	96.08	34.30	34.07	19.18	12.78	14.34	10.09	128.02
HWQ14 - Lake Washington	37.44	10.69	81.16	69.88	78.23	29.85	26.33	15.09	8.76	10.04	8.11	80.29
HWQ16 - Bayou Grand Liard	48.13	26.93	92.07	85.04	91.71	32.40	20.60	13.78	15.98	13.66	14.64	79.02
CRMS 3985	37.13	18.29	102.34	77.75	93.72	32.73	32.10	13.80	11.05	10.78	13.08	91.39
CRMS 0258	39.40	18.79	144.45	100.63	117.88	42.09	54.85	32.16	30.62	27.82	12.43	139.09
CRMS 0224	47.45	18.95	171.65	113.26	127.96	41.56	53.64	24.80	24.05	21.25	10.54	168.89
CRMS 0163	132.35	119.40	262.35	157.25	184.22	57.03	60.87	70.92	76.09	67.31	100.12	262.06
CRMS 0162	126.57	76.84	215.59	148.32	176.46	73.97	91.49	80.39	43.29	34.21	54.40	263.11

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	133.76	130.28	334.76	195.18	217.85	91.47	104.22	74.44	73.67	71.26	121.42	329.20
CRMS0276 - Just east of Wilkinson Canal	1.73	0.45	-20.00	-10.24	-6.26	-2.41	9.65	4.43	1.94	1.26	0.63	-25.15
Barataria Waterway at Lafitte (USACE82875)	-2.46	1.23	-10.03	-7.01	-5.46	-2.46	-7.73	-0.15	2.15	1.81	3.73	-11.45
USGS2928590900040000 Barataria Waterway South of Lafitte	21.59	7.51	271.10	145.15	164.35	57.52	73.86	22.75	11.20	13.07	20.31	271.53
USGS7380251 Barataria Bay North of Grand Isle	21.57	5.38	181.12	113.62	140.73	39.56	44.62	9.45	1.92	0.07	5.23	179.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	26.87	3.14	205.23	105.02	128.33	33.68	53.85	13.94	4.84	3.61	5.09	211.92
USGS 07380335 - Little Lake Near Cutoff	21.54	1.49	146.69	66.64	93.19	20.00	36.41	10.69	4.55	2.53	-1.14	146.27
USGS073802516 Barataria Pass at Grand Isle	25.28	2.00	98.45	43.08	58.15	10.50	19.53	8.34	2.45	1.58	0.13	105.52
HWQ14 - Lake Washington	25.69	3.66	66.44	49.10	60.83	17.16	19.04	8.22	1.59	1.04	0.22	69.46
HWQ16 - Bayou Grand Liard	6.69	0.60	18.79	7.36	10.78	-0.53	5.73	0.77	1.94	0.80	-0.93	19.66
CRMS 3985	17.13	4.65	70.96	61.58	80.71	23.87	25.93	1.57	-4.00	-6.06	-3.15	60.31
CRMS 0258	13.29	-3.15	93.44	27.00	33.45	5.59	33.24	10.84	-1.14	1.42	0.26	91.68
CRMS 0224	22.95	-1.32	139.85	50.60	61.62	10.88	40.13	12.03	0.61	1.13	0.49	140.92
CRMS 0163	-1.37	2.80	-3.62	-5.77	-2.17	-2.52	-4.55	1.64	1.99	2.40	2.06	-4.13
CRMS 0162	-0.09	1.94	-3.61	1.22	3.50	2.79	0.93	2.40	0.75	-1.12	-0.52	-0.04

Figure WQ TSS 185 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.02	14.92	22.22	30.86	22.41	15.30	12.75	13.40	16.57	18.79	9.07	8.06
CRMS0276 - Just east of Wilkinson Canal	50.86	107.98	128.86	110.57	49.72	43.73	33.35	24.44	48.31	51.50	25.38	23.45
Barataria Waterway at Lafitte (USACE82875)	126.64	177.82	172.26	147.44	69.10	64.22	59.01	57.85	91.49	86.95	49.18	76.39
USGS2928590900040000 Barataria Waterway South of Lafitte	9.08	19.68	27.06	41.56	28.29	20.28	11.87	11.43	21.48	23.39	9.51	7.51
USGS7380251 Barataria Bay North of Grand Isle	13.31	15.46	18.39	17.78	13.94	9.92	8.85	10.87	14.37	16.23	10.55	10.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.83	24.32	31.74	35.61	23.47	14.37	11.91	11.29	15.26	19.51	11.08	7.68
USGS 07380335 - Little Lake Near Cutoff	12.84	36.80	46.51	48.78	27.52	17.23	14.55	11.03	16.57	22.67	12.40	8.69
USGS073802516 Barataria Pass at Grand Isle	8.60	24.28	33.21	39.10	26.21	17.24	16.33	12.18	11.67	18.74	11.09	7.99
HWQ14 - Lake Washington	6.50	10.63	16.66	18.19	15.17	9.19	7.02	7.23	7.49	11.06	8.96	7.22
HWQ16 - Bayou Grand Liard	19.82	52.74	78.21	76.48	37.51	25.29	21.89	13.24	18.15	23.93	13.76	11.75
CRMS 3985	24.76	24.46	18.99	12.53	10.29	7.67	6.10	12.11	16.78	19.63	14.14	16.30
CRMS 0258	20.32	53.72	60.14	67.55	39.41	36.80	22.80	22.56	44.18	40.95	13.85	10.50
CRMS 0224	9.91	39.67	46.08	57.31	33.60	24.76	14.98	14.03	28.64	30.35	12.43	7.55
CRMS 0163	174.84	206.44	194.29	159.57	78.48	70.89	64.88	68.75	110.77	91.37	64.38	106.13
CRMS 0162	168.40	198.91	178.44	153.00	79.13	80.78	88.94	81.34	88.82	82.72	34.96	84.69

V3PR7 HYST - cy 4 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	227.35	273.05	259.23	221.87	132.62	124.90	115.56	99.00	140.58	107.78	76.76	133.74
CRMS0276 - Just east of Wilkinson Canal	49.61	93.93	106.37	101.43	45.28	41.44	39.96	30.86	49.84	51.25	26.21	23.81
Barataria Waterway at Lafitte (USACE82875)	123.19	171.08	164.61	142.73	65.04	59.59	51.94	53.46	95.29	85.18	50.20	77.71
USGS2928590900040000 Barataria Waterway South of Lafitte	121.36	180.18	206.94	175.74	97.23	90.48	82.90	57.50	62.37	56.91	16.94	30.89
USGS7380251 Barataria Bay North of Grand Isle	66.46	122.14	155.31	127.74	65.54	62.86	57.38	33.85	29.45	33.21	9.45	10.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	95.84	152.27	173.33	136.25	69.70	69.48	66.34	45.28	37.03	51.73	12.22	13.88
USGS 07380335 - Little Lake Near Cutoff	57.78	119.46	145.53	113.61	57.46	55.59	52.39	33.05	27.09	49.52	13.23	9.95
USGS073802516 Barataria Pass at Grand Isle	45.93	71.56	107.46	82.84	42.87	37.72	37.27	25.19	21.55	37.94	11.33	7.88
HWQ14 - Lake Washington	31.66	52.33	76.09	66.44	36.08	31.05	29.82	19.25	14.67	26.73	8.52	6.39
HWQ16 - Bayou Grand Liard	23.56	65.72	94.04	82.21	39.82	31.62	27.00	15.56	20.40	28.98	14.21	10.70
CRMS 3985	33.94	53.95	83.18	72.69	37.89	36.93	35.94	19.10	10.95	15.87	9.33	14.86
CRMS 0258	58.51	111.03	118.94	96.12	48.47	53.96	53.29	48.49	43.94	52.16	13.39	12.18
CRMS 0224	71.98	128.32	136.03	106.60	52.11	55.06	53.54	44.13	32.58	52.37	12.58	9.76
CRMS 0163	172.10	204.05	191.09	157.26	76.02	67.12	61.07	69.06	115.24	91.46	65.84	109.15
CRMS 0162	166.16	201.85	176.28	155.62	80.82	83.27	90.38	83.08	89.88	79.21	35.20	86.87

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	215.33	258.13	237.01	191.00	110.21	109.60	102.81	85.60	124.01	88.99	67.69	125.68
CRMS0276 - Just east of Wilkinson Canal	-1.25	-14.05	-22.49	-9.14	-4.44	-2.29	6.61	6.43	1.53	-0.25	0.83	0.35
Barataria Waterway at Lafitte (USACE82875)	-3.45	-6.74	-7.64	-4.70	-4.06	-4.63	-7.06	-4.39	3.80	-1.76	1.02	1.32
USGS2928590900040000 Barataria Waterway South of Lafitte	112.27	160.50	179.88	134.18	68.95	70.19	71.04	46.07	40.89	33.52	7.43	23.38
USGS7380251 Barataria Bay North of Grand Isle	53.15	106.68	136.92	109.96	51.60	52.95	48.53	22.99	15.07	16.97	-1.09	0.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	87.01	127.94	141.58	100.63	46.23	55.10	54.43	33.99	21.78	32.22	1.14	6.20
USGS 07380335 - Little Lake Near Cutoff	44.94	82.66	99.02	64.83	29.94	38.37	37.84	22.02	10.51	26.85	0.82	1.27
USGS073802516 Barataria Pass at Grand Isle	37.33	47.28	74.25	43.74	16.66	20.48	20.94	13.01	9.89	19.20	0.24	-0.11
HWQ14 - Lake Washington	25.16	41.69	59.43	48.25	20.91	21.86	22.80	12.02	7.18	15.67	-0.45	-0.83
HWQ16 - Bayou Grand Liard	3.74	12.98	15.83	5.73	2.31	6.33	5.11	2.31	2.25	5.05	0.45	-1.05
CRMS 3985	9.18	29.49	64.18	60.16	27.60	29.26	29.84	6.99	-5.84	-3.76	-4.81	-1.44
CRMS 0258	38.20	57.31	58.80	28.57	9.06	17.16	30.49	25.93	-0.23	11.20	-0.46	1.68
CRMS 0224	62.07	88.65	89.96	49.29	18.51	30.31	38.56	30.11	3.93	22.02	0.15	2.21
CRMS 0163	-2.74	-2.40	-3.20	-2.30	-2.46	-3.77	-3.81	0.31	4.47	0.08	1.46	3.02
CRMS 0162	-2.25	2.93	-2.17	2.63	1.69	2.48	1.44	1.73	1.05	-3.51	0.24	2.18

Figure WQ TSS 186 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.91	14.01	17.74	22.57	23.86	15.62	11.36	11.36	11.24	11.36	8.39	16.31
CRMS0276 - Just east of Wilkinson Canal	59.22	95.03	82.72	71.39	64.05	32.82	18.33	15.54	24.63	24.44	44.48	83.81
Barataria Waterway at Lafitte (USACE82875)	101.60	142.42	120.23	100.67	84.99	50.97	57.97	56.10	63.64	56.40	95.85	171.66
USGS2928590900040000 Barataria Waterway South of Lafitte	11.03	18.11	21.80	29.23	32.25	19.79	10.46	9.46	12.60	12.50	8.02	15.24
USGS7380251 Barataria Bay North of Grand Isle	13.61	12.03	12.14	13.33	13.28	10.00	9.26	14.55	13.36	12.90	12.63	17.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.22	23.31	25.41	24.10	23.70	14.34	9.04	8.12	10.06	11.03	12.31	16.35
USGS 07380335 - Little Lake Near Cutoff	23.38	35.40	35.57	31.51	29.27	16.11	9.20	7.69	9.23	11.45	16.60	23.58
USGS073802516 Barataria Pass at Grand Isle	16.69	24.36	26.69	26.56	26.31	16.63	11.18	8.52	8.68	10.67	11.57	17.34
HWQ14 - Lake Washington	9.90	9.92	13.07	13.82	13.51	9.39	6.38	6.78	7.82	8.63	8.51	10.73
HWQ16 - Bayou Grand Liard	30.85	54.80	57.69	46.50	44.56	18.99	9.69	12.89	10.57	11.53	20.94	37.23
CRMS 3985	22.11	15.79	9.03	9.27	9.61	7.51	9.81	20.66	17.32	16.68	20.48	29.20
CRMS 0258	24.94	45.11	40.88	44.22	49.03	32.05	16.26	11.34	23.53	20.81	14.61	40.26
CRMS 0224	17.85	35.72	33.80	36.87	39.90	22.62	11.25	9.81	16.81	15.68	12.82	23.41
CRMS 0163	125.50	167.39	141.15	115.45	93.88	54.04	69.66	66.33	72.68	65.97	139.88	215.34
CRMS 0162	123.58	157.26	131.44	106.97	91.50	60.12	97.29	62.49	33.34	33.85	81.86	199.98

V3PR7 HYST - cy 4 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	161.75	234.06	200.56	176.49	147.48	76.01	98.13	85.18	86.82	94.08	151.04	262.85
CRMS0276 - Just east of Wilkinson Canal	57.86	83.55	68.34	63.58	62.75	32.17	17.33	16.62	25.65	25.31	45.15	83.08
Barataria Waterway at Lafitte (USACE82875)	97.52	132.81	112.81	95.24	80.63	49.49	57.39	56.00	64.22	58.70	101.31	170.12
USGS2928590900040000 Barataria Waterway South of Lafitte	90.37	181.65	157.91	136.38	111.27	39.05	41.02	37.15	30.19	31.13	25.92	138.24
USGS7380251 Barataria Bay North of Grand Isle	60.01	126.53	114.87	96.29	79.17	23.02	13.81	12.95	15.26	14.07	11.77	80.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.80	148.22	125.92	103.75	84.00	26.82	15.50	13.89	15.17	15.47	13.28	107.61
USGS 07380335 - Little Lake Near Cutoff	64.68	115.72	104.02	83.22	70.87	26.46	13.07	10.13	12.47	13.32	14.25	77.77
USGS073802516 Barataria Pass at Grand Isle	52.89	83.18	75.81	59.01	52.21	24.01	12.80	9.34	9.71	11.88	11.66	45.75
HWQ14 - Lake Washington	34.68	60.05	54.15	46.85	43.22	18.58	8.74	7.12	8.49	9.80	8.66	28.44
HWQ16 - Bayou Grand Liard	38.27	67.38	65.61	54.21	49.33	21.90	9.40	12.85	10.58	10.84	19.57	41.91
CRMS 3985	32.81	60.10	60.16	51.18	46.55	16.61	8.39	9.50	16.11	14.41	8.43	33.28
CRMS 0258	57.92	94.43	84.16	69.46	60.25	32.52	20.54	16.02	22.79	22.34	14.38	81.15
CRMS 0224	69.33	113.09	96.69	78.88	64.55	27.87	16.37	14.83	18.68	17.58	12.56	88.62
CRMS 0163	123.50	162.25	138.57	111.87	91.46	53.36	71.96	67.86	75.25	69.51	144.02	216.89
CRMS 0162	123.23	156.28	129.89	106.51	92.49	63.00	99.24	63.74	33.37	34.47	84.48	204.78

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	149.85	220.04	182.82	153.92	123.61	60.38	86.77	73.83	75.58	82.72	142.65	246.54
CRMS0276 - Just east of Wilkinson Canal	-1.36	-11.48	-14.38	-7.81	-1.30	-0.65	-0.99	1.08	1.02	0.87	0.67	-0.73
Barataria Waterway at Lafitte (USACE82875)	-4.08	-9.61	-7.42	-5.43	-4.35	-1.48	-0.59	-0.10	0.59	2.30	5.46	-1.54
USGS2928590900040000 Barataria Waterway South of Lafitte	79.34	163.53	136.11	107.15	79.02	19.25	30.56	27.69	17.59	18.63	17.90	123.00
USGS7380251 Barataria Bay North of Grand Isle	46.39	114.50	102.73	82.96	65.89	13.02	4.55	-1.60	1.91	1.17	-0.86	62.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	69.58	124.91	100.52	79.64	60.30	12.49	6.46	5.77	5.11	4.44	0.97	91.26
USGS 07380335 - Little Lake Near Cutoff	41.29	80.32	68.44	51.71	41.60	10.34	3.87	2.44	3.25	1.87	-2.36	54.20
USGS073802516 Barataria Pass at Grand Isle	36.20	58.83	49.13	32.45	25.91	7.38	1.62	0.83	1.02	1.22	0.10	28.41
HWQ14 - Lake Washington	24.78	50.13	41.08	33.02	29.71	9.19	2.37	0.34	0.67	1.17	0.14	17.71
HWQ16 - Bayou Grand Liard	7.42	12.58	7.92	7.71	4.77	2.90	-0.29	-0.04	0.01	-0.69	-1.37	4.69
CRMS 3985	10.70	44.31	51.13	41.91	36.94	9.10	-1.42	-11.16	-1.21	-2.27	-12.06	4.08
CRMS 0258	32.99	49.32	43.28	25.24	11.21	0.47	4.28	4.68	-0.74	1.54	-0.23	40.89
CRMS 0224	51.48	77.37	62.89	42.01	24.65	5.25	5.11	5.03	1.87	1.90	-0.26	65.20
CRMS 0163	-2.00	-5.14	-2.59	-3.58	-2.42	-0.67	2.30	1.53	2.57	3.55	4.14	1.55
CRMS 0162	-0.35	-0.98	-1.54	-0.45	0.99	2.87	1.95	1.25	0.03	0.61	2.62	4.80

Figure WQ TSS 187 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.58	16.63	17.03	31.09	29.42	17.05	11.20	11.25	9.29	10.25	15.96	17.79
CRMS0276 - Just east of Wilkinson Canal	34.91	134.93	91.26	122.33	96.87	50.97	16.13	10.64	14.67	28.09	79.95	77.28
Barataria Waterway at Lafitte (USACE82875)	88.83	204.66	153.21	141.89	137.35	91.19	52.60	43.25	21.29	110.01	148.12	147.44
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	21.32	19.52	47.14	41.20	24.10	9.97	9.13	8.55	9.29	15.92	19.13
USGS7380251 Barataria Bay North of Grand Isle	11.09	17.13	16.88	18.19	16.32	11.72	15.75	15.95	10.83	15.53	18.25	17.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.59	25.95	20.99	32.98	26.76	17.21	9.73	8.25	7.73	8.83	17.80	21.23
USGS 07380335 - Little Lake Near Cutoff	13.70	42.64	27.65	45.13	33.17	20.67	9.83	9.27	7.79	10.19	25.02	28.34
USGS073802516 Barataria Pass at Grand Isle	10.58	27.55	21.59	35.04	27.83	19.07	11.19	8.24	7.26	8.70	17.01	21.39
HWQ14 - Lake Washington	7.84	10.79	14.70	17.59	14.65	10.35	8.72	8.43	7.16	8.70	11.41	13.00
HWQ16 - Bayou Grand Liard	16.44	67.96	43.15	73.24	47.27	28.10	12.86	11.80	10.74	13.06	36.46	38.44
CRMS 3985	20.38	26.94	22.67	15.33	13.40	12.45	22.54	19.90	10.87	23.04	28.35	27.82
CRMS 0258	12.72	57.70	39.17	84.72	70.03	37.34	11.70	8.91	14.34	17.59	35.88	39.43
CRMS 0224	10.57	43.67	28.67	66.60	51.57	30.20	10.93	8.37	10.47	10.56	21.91	28.29
CRMS 0163	134.00	224.76	196.66	146.53	156.86	97.87	61.01	48.85	26.73	130.83	200.84	174.90
CRMS 0162	99.72	183.60	109.18	109.00	123.52	88.48	48.90	32.26	16.88	60.90	142.24	162.02

V3PR7 HYST - cy 4 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	174.24	264.22	236.17	156.43	202.84	118.58	89.96	56.96	48.81	160.39	199.96	174.94
CRMS0276 - Just east of Wilkinson Canal	36.81	122.42	87.71	122.30	89.20	50.42	17.31	11.11	15.48	29.94	82.69	81.47
Barataria Waterway at Lafitte (USACE82875)	91.81	204.14	153.44	143.75	135.21	91.69	52.79	44.97	25.64	112.23	156.70	154.82
USGS2928590900040000 Barataria Waterway South of Lafitte	50.14	160.22	125.94	58.22	124.15	35.18	35.98	30.45	21.14	38.90	34.03	29.85
USGS7380251 Barataria Bay North of Grand Isle	17.40	102.39	85.79	50.96	83.29	17.83	11.34	12.08	11.49	17.50	17.50	12.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.98	142.21	99.05	66.98	107.57	23.46	14.27	11.85	10.70	16.07	21.46	21.32
USGS 07380335 - Little Lake Near Cutoff	13.69	110.97	71.15	75.44	84.76	26.39	13.13	9.64	9.22	12.39	26.13	28.23
USGS073802516 Barataria Pass at Grand Isle	10.67	89.57	56.41	66.98	52.52	23.61	12.63	8.73	7.55	10.82	19.55	21.29
HWQ14 - Lake Washington	5.67	56.90	35.49	45.29	36.93	15.33	7.97	6.29	6.91	10.75	12.25	9.97
HWQ16 - Bayou Grand Liard	17.33	76.80	47.78	83.34	51.79	30.23	13.19	11.80	9.33	11.40	37.82	40.82
CRMS 3985	12.02	40.48	33.98	39.03	37.06	13.38	8.21	12.80	9.84	21.15	12.57	6.22
CRMS 0258	14.52	87.04	56.78	73.05	80.28	32.79	14.90	12.67	14.79	20.72	38.19	38.85
CRMS 0224	14.10	106.31	69.93	66.01	86.52	28.67	14.92	12.41	12.34	16.45	23.55	26.96
CRMS 0163	136.00	227.77	199.73	149.67	155.24	101.02	63.22	51.55	29.46	137.09	208.09	183.03
CRMS 0162	101.48	186.88	110.44	119.84	128.51	94.79	51.07	32.57	17.46	65.27	146.87	171.90

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	166.66	247.60	219.14	125.33	173.42	101.53	78.76	45.71	39.51	150.14	184.01	157.14
CRMS0276 - Just east of Wilkinson Canal	1.90	-12.52	-3.55	-0.03	-7.67	-0.55	1.18	0.47	0.81	1.85	2.74	4.19
Barataria Waterway at Lafitte (USACE82875)	2.99	-0.52	0.23	1.86	-2.14	0.50	0.20	1.72	4.35	2.22	8.57	7.38
USGS2928590900040000 Barataria Waterway South of Lafitte	43.28	138.90	106.42	11.09	82.96	11.08	26.02	21.32	12.59	29.60	18.11	10.72
USGS7380251 Barataria Bay North of Grand Isle	6.31	85.26	68.91	32.78	66.96	6.11	-4.41	-3.87	0.66	1.97	-0.75	-5.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.39	116.26	78.07	34.00	80.81	6.25	4.54	3.60	2.97	7.25	3.66	0.08
USGS 07380335 - Little Lake Near Cutoff	-0.01	68.33	43.50	30.31	51.59	5.72	3.30	0.37	1.43	2.20	1.11	-0.11
USGS073802516 Barataria Pass at Grand Isle	0.08	62.01	34.83	31.95	24.69	4.55	1.44	0.48	0.29	2.12	2.53	-0.09
HWQ14 - Lake Washington	-2.18	46.11	20.79	27.70	22.28	4.98	-0.74	-2.14	-0.25	2.06	0.83	-3.02
HWQ16 - Bayou Grand Liard	0.89	8.84	4.63	10.09	4.52	2.13	0.34	0.00	-1.41	-1.66	1.36	2.38
CRMS 3985	-8.35	13.54	11.31	23.70	23.66	0.93	-14.33	-7.10	-1.04	-1.89	-15.77	-21.60
CRMS 0258	1.79	29.34	17.60	-11.67	10.25	-4.55	3.20	3.75	0.45	3.13	2.31	-0.58
CRMS 0224	3.52	62.64	41.26	-0.59	34.95	-1.53	3.99	4.04	1.87	5.88	1.63	-1.33
CRMS 0163	2.00	3.01	3.06	3.13	-1.61	3.16	2.21	2.71	2.74	6.26	7.25	8.13
CRMS 0162	1.76	3.27	1.26	10.85	4.98	6.31	2.18	0.32	0.58	4.37	4.63	9.87

Figure WQ TSS 188 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.17	10.81	14.71	23.11	23.27	19.74	16.84	17.69	16.42	14.98	9.27	9.68
CRMS0276 - Just east of Wilkinson Canal	38.13	87.01	51.08	77.57	79.05	59.38	36.45	33.84	46.43	36.44	31.27	38.54
Barataria Waterway at Lafitte (USACE82875)	80.41	122.64	78.98	98.48	110.63	81.02	83.25	78.47	81.39	79.35	59.67	107.67
USGS2928590900040000 Barataria Waterway South of Lafitte	7.02	14.10	17.60	31.55	32.13	27.55	13.72	14.76	20.72	17.74	9.36	8.67
USGS7380251 Barataria Bay North of Grand Isle	9.26	9.03	9.81	12.89	13.18	11.44	16.93	18.43	16.04	15.37	11.56	12.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.51	19.44	18.75	24.30	21.59	18.18	11.63	12.68	15.93	15.57	11.04	9.31
USGS 07380335 - Little Lake Near Cutoff	13.78	31.65	24.46	32.56	27.09	22.85	13.73	12.96	16.74	16.72	12.88	11.37
USGS073802516 Barataria Pass at Grand Isle	10.02	21.48	19.13	26.40	23.86	21.20	15.13	13.44	13.29	14.98	10.88	9.81
HWQ14 - Lake Washington	6.43	7.67	10.79	12.93	12.34	9.80	8.31	8.97	9.53	10.47	9.09	8.32
HWQ16 - Bayou Grand Liard	20.60	52.10	33.57	48.62	41.16	36.59	22.57	17.76	19.10	15.39	15.40	17.09
CRMS 3985	14.76	11.18	7.04	8.80	9.87	10.04	23.69	24.31	19.80	20.10	16.05	21.29
CRMS 0258	14.75	36.53	30.10	50.56	54.49	47.11	26.40	27.09	39.76	29.51	15.19	16.10
CRMS 0224	9.99	29.82	24.44	41.60	39.72	33.04	14.67	15.35	28.82	22.81	12.46	10.10
CRMS 0163	108.29	137.65	102.43	106.77	125.09	89.79	93.98	94.54	91.95	91.70	80.34	144.32
CRMS 0162	102.39	130.55	80.08	95.96	104.55	98.81	127.62	110.26	63.57	60.18	47.12	117.64

V3PR7 HYST - cy 4 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.54	192.96	155.95	157.67	185.38	148.12	159.11	132.51	104.48	113.97	92.65	152.39
CRMS0276 - Just east of Wilkinson Canal	46.43	71.92	42.48	72.88	69.21	53.44	49.62	43.53	48.87	39.21	33.21	41.15
Barataria Waterway at Lafitte (USACE82875)	76.14	116.22	73.23	94.41	106.05	75.52	72.20	71.95	84.73	82.17	62.84	112.50
USGS2928590900040000 Barataria Waterway South of Lafitte	115.62	150.33	107.55	116.65	140.47	107.77	114.43	73.38	32.65	36.09	19.02	25.98
USGS7380251 Barataria Bay North of Grand Isle	70.85	107.41	71.92	83.66	102.59	74.82	75.67	45.53	15.74	13.79	10.56	10.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	89.78	120.15	86.60	93.68	110.68	85.44	94.51	60.91	22.14	19.46	12.87	12.14
USGS 07380335 - Little Lake Near Cutoff	60.30	95.09	64.31	78.08	89.05	67.70	71.21	46.91	23.06	19.63	14.14	12.35
USGS073802516 Barataria Pass at Grand Isle	46.09	72.51	45.94	58.96	57.00	44.62	47.28	36.43	17.68	16.45	11.64	10.45
HWQ14 - Lake Washington	29.17	53.45	31.09	46.15	44.95	37.01	35.93	27.31	11.47	10.72	8.60	7.54
HWQ16 - Bayou Grand Liard	27.55	59.76	35.94	56.18	50.91	41.65	30.55	22.24	21.52	16.82	16.51	17.72
CRMS 3985	25.94	54.35	30.95	46.82	53.27	41.92	41.62	26.54	9.92	11.33	11.59	12.17
CRMS 0258	54.62	76.89	49.00	65.42	77.82	67.83	74.71	60.48	39.60	31.53	15.16	17.14
CRMS 0224	67.47	90.94	61.23	72.81	84.91	70.35	78.54	54.39	29.84	24.15	13.31	11.51
CRMS 0163	104.59	134.50	99.67	102.98	121.32	85.61	88.68	93.80	96.10	95.72	82.19	150.82
CRMS 0162	102.35	129.27	78.27	97.51	105.29	101.50	131.96	114.41	66.18	62.65	46.39	122.94

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.37	182.15	141.24	134.57	162.11	128.38	142.27	114.82	88.05	98.98	83.39	142.71
CRMS0276 - Just east of Wilkinson Canal	8.31	-15.09	-8.60	-4.69	-9.84	-5.93	13.17	9.69	2.44	2.78	1.94	2.61
Barataria Waterway at Lafitte (USACE82875)	-4.26	-6.42	-5.75	-4.07	-4.58	-5.51	-11.05	-6.52	3.35	2.83	3.17	4.83
USGS2928590900040000 Barataria Waterway South of Lafitte	108.59	136.23	89.95	85.10	108.34	80.21	100.71	58.62	11.93	18.35	9.65	17.32
USGS7380251 Barataria Bay North of Grand Isle	61.60	98.39	62.11	70.78	89.41	63.38	58.74	27.10	-0.30	-1.57	-1.00	-1.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	80.27	100.71	67.85	69.39	89.10	67.26	82.88	48.22	6.22	3.90	1.83	2.83
USGS 07380335 - Little Lake Near Cutoff	46.53	63.44	39.85	45.52	61.96	44.84	57.48	33.95	6.32	2.91	1.26	0.98
USGS073802516 Barataria Pass at Grand Isle	36.07	51.03	26.81	32.56	33.14	23.42	32.15	23.00	4.39	1.48	0.77	0.64
HWQ14 - Lake Washington	22.73	45.78	20.30	33.22	32.61	27.22	27.62	18.35	1.94	0.25	-0.49	-0.78
HWQ16 - Bayou Grand Liard	6.96	7.66	2.38	7.56	9.75	5.05	7.98	4.48	2.42	1.42	1.11	0.64
CRMS 3985	11.18	43.17	23.91	38.02	43.39	31.88	17.93	2.23	-9.89	-8.77	-4.46	-9.12
CRMS 0258	39.87	40.36	18.90	14.86	23.34	20.71	48.31	33.39	-0.17	2.02	-0.04	1.05
CRMS 0224	57.49	61.12	36.79	31.20	45.19	37.31	63.87	39.04	1.01	1.34	0.85	1.42
CRMS 0163	-3.70	-3.15	-2.76	-3.79	-3.77	-4.18	-5.29	-0.74	4.15	4.02	1.85	6.50
CRMS 0162	-0.04	-1.29	-1.81	1.55	0.74	2.69	4.35	4.15	2.62	2.47	-0.73	5.30

Figure WQ TSS 189 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.11	6.22	20.86	34.27	34.61	20.61	12.92	13.07	12.44	12.91	8.02	18.31
CRMS0276 - Just east of Wilkinson Canal	67.25	47.73	130.53	115.24	128.17	41.35	25.14	23.39	35.90	28.76	28.59	125.12
Barataria Waterway at Lafitte (USACE82875)	109.71	100.27	214.87	148.87	171.39	55.67	56.18	56.94	63.61	61.73	64.27	225.00
USGS2928590900040000 Barataria Waterway South of Lafitte	12.03	8.54	20.15	46.14	50.06	27.31	11.79	10.88	16.08	15.67	7.82	18.48
USGS7380251 Barataria Bay North of Grand Isle	13.07	8.07	20.57	20.93	17.67	11.96	9.01	10.87	12.04	13.15	10.77	18.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.74	14.20	23.19	38.71	34.42	21.14	11.09	10.23	12.50	13.35	10.17	19.31
USGS 07380335 - Little Lake Near Cutoff	33.33	20.14	34.08	51.71	46.36	24.67	12.39	9.75	12.72	14.05	12.80	31.46
USGS073802516 Barataria Pass at Grand Isle	23.89	14.54	25.07	41.68	37.94	23.80	14.54	10.84	10.33	12.76	9.95	22.50
HWQ14 - Lake Washington	11.74	7.03	14.72	20.78	17.40	12.69	7.28	6.88	7.17	9.00	7.89	10.83
HWQ16 - Bayou Grand Liard	41.44	26.33	73.28	77.67	80.93	32.93	14.88	13.01	14.04	12.86	15.58	59.36
CRMS 3985	20.00	13.65	31.38	16.17	13.01	8.86	6.17	12.23	15.05	16.84	16.22	31.08
CRMS 0258	26.12	21.94	51.01	73.63	84.43	36.50	21.61	21.31	31.76	26.40	12.17	47.41
CRMS 0224	24.50	20.27	31.80	62.66	66.34	30.69	13.51	12.77	23.43	20.12	10.06	27.98
CRMS 0163	133.73	116.60	265.97	163.01	186.38	59.55	65.42	69.28	74.10	64.91	98.06	266.20
CRMS 0162	126.66	74.89	219.20	147.10	172.96	71.18	90.56	78.00	42.54	35.33	54.91	263.15

V3PR7 HYST - cy 4 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	142.63	135.29	355.49	229.35	252.42	112.10	117.15	87.06	85.53	83.32	128.59	347.46
CRMS0276 - Just east of Wilkinson Canal	69.21	47.91	110.46	105.67	122.66	39.00	35.00	27.85	37.36	31.10	29.74	101.50
Barataria Waterway at Lafitte (USACE82875)	107.27	101.18	204.37	142.09	165.28	52.87	47.86	56.41	64.80	63.35	67.99	212.47
USGS2928590900040000 Barataria Waterway South of Lafitte	39.59	20.50	278.27	180.99	205.77	78.62	82.31	38.08	30.01	32.06	34.15	275.06
USGS7380251 Barataria Bay North of Grand Isle	33.66	13.30	200.88	133.82	156.79	51.22	54.26	20.12	13.93	13.04	16.12	198.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	49.07	17.00	230.49	145.31	164.55	55.93	65.47	24.33	17.59	17.26	14.90	233.44
USGS 07380335 - Little Lake Near Cutoff	54.78	21.62	183.11	119.87	141.09	45.38	49.24	20.61	17.29	16.81	11.51	180.21
USGS073802516 Barataria Pass at Grand Isle	49.04	16.49	125.82	85.34	96.51	34.23	34.19	19.07	12.69	14.40	9.89	129.81
HWQ14 - Lake Washington	36.90	10.52	80.67	69.19	77.12	29.59	26.29	14.86	8.69	9.96	8.05	80.77
HWQ16 - Bayou Grand Liard	47.78	26.80	93.75	85.46	92.25	32.47	20.76	13.56	15.61	13.73	14.29	79.66
CRMS 3985	36.04	18.19	97.05	74.84	90.09	32.13	31.42	13.54	10.96	10.76	13.00	87.23
CRMS 0258	40.42	19.25	146.14	101.20	119.92	41.80	55.57	32.69	30.62	28.32	13.53	141.30
CRMS 0224	47.77	19.19	174.44	114.43	130.19	42.18	54.50	25.01	24.22	21.54	11.52	172.01
CRMS 0163	132.52	119.65	263.43	158.02	185.00	57.46	60.78	71.42	76.29	68.31	100.71	262.57
CRMS 0162	126.91	78.01	216.56	148.27	179.18	73.11	91.17	80.75	44.37	36.83	54.78	263.52

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	132.52	129.07	334.62	195.08	217.80	91.49	104.22	73.99	73.09	70.41	120.57	329.15
CRMS0276 - Just east of Wilkinson Canal	1.96	0.18	-20.07	-9.57	-5.51	-2.35	9.86	4.46	1.46	2.34	1.15	-23.63
Barataria Waterway at Lafitte (USACE82875)	-2.44	0.91	-10.49	-6.78	-6.11	-2.81	-8.32	-0.54	1.19	1.62	3.72	-12.53
USGS2928590900040000 Barataria Waterway South of Lafitte	27.57	11.96	258.13	134.85	155.70	51.31	70.52	27.20	13.93	16.39	26.33	256.57
USGS7380251 Barataria Bay North of Grand Isle	20.59	5.22	180.31	112.89	139.12	39.26	45.26	9.26	1.89	-0.11	5.35	179.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	26.33	2.80	207.30	106.60	130.13	34.79	54.38	14.10	5.09	3.91	4.72	214.12
USGS 07380335 - Little Lake Near Cutoff	21.45	1.48	149.03	68.16	94.73	20.72	36.85	10.85	4.57	2.76	-1.29	148.75
USGS073802516 Barataria Pass at Grand Isle	25.16	1.94	100.75	43.66	58.58	10.44	19.65	8.24	2.37	1.64	-0.07	107.31
HWQ14 - Lake Washington	25.16	3.49	65.95	48.41	59.72	16.90	19.01	7.98	1.52	0.96	0.16	69.94
HWQ16 - Bayou Grand Liard	6.34	0.46	20.47	7.79	11.32	-0.47	5.88	0.55	1.57	0.87	-1.29	20.29
CRMS 3985	16.05	4.55	65.68	58.67	77.07	23.27	25.25	1.30	-4.09	-6.08	-3.22	56.15
CRMS 0258	14.30	-2.69	95.14	27.57	35.49	5.30	33.96	11.38	-1.14	1.91	1.36	93.89
CRMS 0224	23.27	-1.08	142.63	51.78	63.86	11.50	41.00	12.24	0.79	1.42	1.46	144.03
CRMS 0163	-1.21	3.05	-2.54	-4.99	-1.38	-2.09	-4.64	2.14	2.19	3.40	2.65	-3.62
CRMS 0162	0.25	3.12	-2.64	1.17	6.21	1.93	0.61	2.75	1.83	1.50	-0.13	0.36

Figure WQ TSS 190 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.02	14.92	22.22	30.86	22.41	15.30	12.75	13.40	16.57	18.79	9.07	8.06
CRMS0276 - Just east of Wilkinson Canal	50.86	107.98	128.86	110.57	49.72	43.73	33.35	24.44	48.31	51.50	25.38	23.45
Barataria Waterway at Lafitte (USACE82875)	126.64	177.82	172.26	147.44	69.10	64.22	59.01	57.85	91.49	86.95	49.18	76.39
USGS2928590900040000 Barataria Waterway South of Lafitte	9.08	19.68	27.06	41.56	28.29	20.28	11.87	11.43	21.48	23.39	9.51	7.51
USGS7380251 Barataria Bay North of Grand Isle	13.31	15.46	18.39	17.78	13.94	9.92	8.85	10.87	14.37	16.23	10.55	10.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.83	24.32	31.74	35.61	23.47	14.37	11.91	11.29	15.26	19.51	11.08	7.68
USGS 07380335 - Little Lake Near Cutoff	12.84	36.80	46.51	48.78	27.52	17.23	14.55	11.03	16.57	22.67	12.40	8.69
USGS073802516 Barataria Pass at Grand Isle	8.60	24.28	33.21	39.10	26.21	17.24	16.33	12.18	11.67	18.74	11.09	7.99
HWQ14 - Lake Washington	6.50	10.63	16.66	18.19	15.17	9.19	7.02	7.23	7.49	11.06	8.96	7.22
HWQ16 - Bayou Grand Liard	19.82	52.74	78.21	76.48	37.51	25.29	21.89	13.24	18.15	23.93	13.76	11.75
CRMS 3985	24.76	24.46	18.99	12.53	10.29	7.67	6.10	12.11	16.78	19.63	14.14	16.30
CRMS 0258	20.32	53.72	60.14	67.55	39.41	36.80	22.80	22.56	44.18	40.95	13.85	10.50
CRMS 0224	9.91	39.67	46.08	57.31	33.60	24.76	14.98	14.03	28.64	30.35	12.43	7.55
CRMS 0163	174.84	206.44	194.29	159.57	78.48	70.89	64.88	68.75	110.77	91.37	64.38	106.13
CRMS 0162	168.40	198.91	178.44	153.00	79.13	80.78	88.94	81.34	88.82	82.72	34.96	84.69

V3PR8 HYST - cy 4 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	226.24	270.40	259.17	221.72	132.51	124.84	115.53	98.92	140.22	107.66	76.21	133.12
CRMS0276 - Just east of Wilkinson Canal	44.46	87.19	100.10	98.33	44.88	40.67	39.74	30.01	45.67	48.15	24.84	21.86
Barataria Waterway at Lafitte (USACE82875)	109.09	149.31	148.87	130.53	57.03	50.67	43.43	43.40	82.37	79.10	48.90	64.63
USGS2928590900040000 Barataria Waterway South of Lafitte	97.69	175.63	215.06	185.19	104.00	94.60	84.46	52.45	58.42	52.88	12.44	20.89
USGS7380251 Barataria Bay North of Grand Isle	65.16	120.07	153.09	125.45	63.89	61.53	56.34	33.66	29.03	33.01	9.37	10.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	98.25	151.56	173.24	136.27	69.24	69.07	66.10	45.84	37.34	51.91	11.87	13.84
USGS 07380335 - Little Lake Near Cutoff	57.74	117.07	144.35	112.91	56.45	54.80	51.77	33.08	25.78	49.02	12.65	9.64
USGS073802516 Barataria Pass at Grand Isle	46.34	69.73	105.70	81.47	42.46	37.17	36.82	25.28	21.23	37.66	10.97	7.70
HWQ14 - Lake Washington	31.46	52.41	77.09	65.71	35.73	31.23	30.16	18.92	14.50	26.15	8.30	6.29
HWQ16 - Bayou Grand Liard	22.41	62.75	91.85	81.66	39.21	30.98	26.23	15.32	18.63	27.70	13.90	11.35
CRMS 3985	34.59	58.63	84.41	71.71	37.62	36.98	36.34	19.05	10.80	15.77	8.97	14.77
CRMS 0258	59.03	112.97	124.93	101.83	50.15	54.43	53.23	48.57	42.37	52.11	12.84	10.73
CRMS 0224	73.27	128.90	138.81	109.25	52.92	55.54	54.07	44.34	31.57	52.27	11.91	9.36
CRMS 0163	164.67	196.08	185.50	153.85	73.35	65.51	57.70	67.12	112.41	88.69	63.89	105.60
CRMS 0162	165.70	200.27	175.67	156.40	80.64	82.68	90.74	82.97	89.45	78.86	35.47	88.10

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	214.22	255.48	236.95	190.85	110.10	109.54	102.77	85.52	123.65	88.86	67.15	125.06
CRMS0276 - Just east of Wilkinson Canal	-6.40	-20.79	-28.76	-12.24	-4.84	-3.07	6.39	5.57	-2.64	-3.36	-0.55	-1.59
Barataria Waterway at Lafitte (USACE82875)	-17.55	-28.51	-23.38	-16.91	-12.07	-13.55	-15.58	-14.45	-9.11	-7.85	-0.28	-11.77
USGS2928590900040000 Barataria Waterway South of Lafitte	88.61	155.95	188.00	143.63	75.72	74.32	72.59	41.02	36.94	29.49	2.93	13.37
USGS7380251 Barataria Bay North of Grand Isle	51.85	104.62	134.70	107.67	49.95	51.61	47.49	22.80	14.66	16.77	-1.17	0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	89.42	127.24	141.49	100.66	45.77	54.70	54.20	34.54	22.09	32.40	0.79	6.16
USGS 07380335 - Little Lake Near Cutoff	44.90	80.27	97.84	64.13	28.92	37.57	37.21	22.05	9.21	26.35	0.25	0.96
USGS073802516 Barataria Pass at Grand Isle	37.74	45.45	72.49	42.37	16.25	19.93	20.50	13.10	9.56	18.92	-0.12	-0.28
HWQ14 - Lake Washington	24.97	41.78	60.43	47.52	20.56	22.04	23.14	11.69	7.01	15.09	-0.66	-0.92
HWQ16 - Bayou Grand Liard	2.59	10.01	13.64	5.18	1.70	5.69	4.34	2.07	0.48	3.77	0.14	-0.39
CRMS 3985	9.83	34.17	65.42	59.18	27.33	29.31	30.24	6.94	-5.98	-3.86	-5.17	-1.53
CRMS 0258	38.71	59.25	64.79	34.28	10.75	17.63	30.43	26.02	-1.81	11.16	-1.01	0.23
CRMS 0224	63.36	89.23	92.73	51.93	19.32	30.78	39.09	30.32	2.93	21.92	-0.52	1.81
CRMS 0163	-10.17	-10.36	-8.79	-5.71	-5.13	-5.38	-7.18	-1.62	1.65	-2.69	-0.49	-0.54
CRMS 0162	-2.70	1.35	-2.77	3.40	1.51	1.89	1.81	1.62	0.62	-3.86	0.51	3.41

Figure WQ TSS 191 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.91	14.01	17.74	22.57	23.86	15.62	11.36	11.36	11.24	11.36	8.39	16.31
CRMS0276 - Just east of Wilkinson Canal	59.22	95.03	82.72	71.39	64.05	32.82	18.33	15.54	24.63	24.44	44.48	83.81
Barataria Waterway at Lafitte (USACE82875)	101.60	142.42	120.23	100.67	84.99	50.97	57.97	56.10	63.64	56.40	95.85	171.66
USGS2928590900040000 Barataria Waterway South of Lafitte	11.03	18.11	21.80	29.23	32.25	19.79	10.46	9.46	12.60	12.50	8.02	15.24
USGS7380251 Barataria Bay North of Grand Isle	13.61	12.03	12.14	13.33	13.28	10.00	9.26	14.55	13.36	12.90	12.63	17.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.22	23.31	25.41	24.10	23.70	14.34	9.04	8.12	10.06	11.03	12.31	16.35
USGS 07380335 - Little Lake Near Cutoff	23.38	35.40	35.57	31.51	29.27	16.11	9.20	7.69	9.23	11.45	16.60	23.58
USGS073802516 Barataria Pass at Grand Isle	16.69	24.36	26.69	26.56	26.31	16.63	11.18	8.52	8.68	10.67	11.57	17.34
HWQ14 - Lake Washington	9.90	9.92	13.07	13.82	13.51	9.39	6.38	6.78	7.82	8.63	8.51	10.73
HWQ16 - Bayou Grand Liard	30.85	54.80	57.69	46.50	44.56	18.99	9.69	12.89	10.57	11.53	20.94	37.23
CRMS 3985	22.11	15.79	9.03	9.27	9.61	7.51	9.81	20.66	17.32	16.68	20.48	29.20
CRMS 0258	24.94	45.11	40.88	44.22	49.03	32.05	16.26	11.34	23.53	20.81	14.61	40.26
CRMS 0224	17.85	35.72	33.80	36.87	39.90	22.62	11.25	9.81	16.81	15.68	12.82	23.41
CRMS 0163	125.50	167.39	141.15	115.45	93.88	54.04	69.66	66.33	72.68	65.97	139.88	215.34
CRMS 0162	123.58	157.26	131.44	106.97	91.50	60.12	97.29	62.49	33.34	33.85	81.86	199.98

V3PR8 HYST - cy 4 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	161.27	234.02	200.48	176.42	147.36	75.77	97.72	85.72	86.23	93.65	145.55	261.09
CRMS0276 - Just east of Wilkinson Canal	52.59	79.05	66.36	61.09	61.57	31.88	16.44	15.65	23.70	23.69	41.49	75.68
Barataria Waterway at Lafitte (USACE82875)	88.41	118.68	99.57	83.13	71.88	44.03	47.21	47.91	53.67	52.13	94.35	148.09
USGS2928590900040000 Barataria Waterway South of Lafitte	78.54	188.41	166.53	143.77	117.95	35.97	33.45	30.64	26.26	26.18	17.11	125.96
USGS7380251 Barataria Bay North of Grand Isle	59.14	124.81	112.91	94.32	77.29	23.05	13.79	12.85	14.59	13.91	14.30	81.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	86.93	148.54	125.59	103.49	83.55	26.96	15.81	14.21	14.70	15.17	14.01	108.74
USGS 07380335 - Little Lake Near Cutoff	64.28	114.37	102.67	82.30	69.93	26.30	13.06	10.11	11.65	12.71	14.94	76.93
USGS073802516 Barataria Pass at Grand Isle	52.88	82.05	74.46	58.25	51.59	23.63	12.65	9.47	9.10	11.37	12.20	45.93
HWQ14 - Lake Washington	34.75	58.95	53.88	46.64	43.09	18.45	8.69	7.22	8.12	9.60	9.93	30.31
HWQ16 - Bayou Grand Liard	35.97	65.30	64.24	53.46	48.56	21.44	9.34	12.95	10.22	10.55	19.66	39.83
CRMS 3985	33.85	60.14	59.94	50.70	46.16	16.71	8.38	7.63	15.32	14.26	17.96	42.69
CRMS 0258	58.10	98.61	89.54	73.56	62.55	32.88	20.41	15.58	21.81	21.27	13.53	81.02
CRMS 0224	70.17	115.47	98.97	80.78	65.65	27.89	16.45	14.90	17.58	16.72	12.56	90.12
CRMS 0163	118.33	155.87	133.04	108.32	88.22	53.06	69.80	67.32	71.72	67.58	135.75	207.69
CRMS 0162	123.02	157.39	128.59	106.38	93.54	62.82	99.62	65.20	34.39	34.66	84.32	206.54

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	149.36	220.01	182.74	153.85	123.50	60.15	86.36	74.36	75.00	82.29	137.15	244.79
CRMS0276 - Just east of Wilkinson Canal	-6.63	-15.99	-16.36	-10.30	-2.48	-0.94	-1.89	0.11	-0.93	-0.75	-2.99	-8.13
Barataria Waterway at Lafitte (USACE82875)	-13.19	-23.74	-20.66	-17.53	-13.10	-6.94	-10.77	-8.19	-9.96	-4.27	-1.49	-23.57
USGS2928590900040000 Barataria Waterway South of Lafitte	67.52	170.30	144.73	114.54	85.71	16.17	23.00	21.17	13.66	13.68	9.09	110.72
USGS7380251 Barataria Bay North of Grand Isle	45.53	112.78	100.77	80.99	64.02	13.05	4.53	-1.70	1.24	1.01	1.67	64.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	70.71	125.23	100.18	79.39	59.85	12.63	6.76	6.09	4.64	4.14	1.70	92.39
USGS 07380335 - Little Lake Near Cutoff	40.89	78.97	67.09	50.79	40.67	10.19	3.86	2.42	2.42	1.26	-1.67	53.35
USGS073802516 Barataria Pass at Grand Isle	36.19	57.69	47.77	31.69	25.29	7.00	1.48	0.96	0.42	0.71	0.64	28.59
HWQ14 - Lake Washington	24.85	49.03	40.81	32.82	29.58	9.06	2.31	0.44	0.31	0.97	1.41	19.58
HWQ16 - Bayou Grand Liard	5.12	10.50	6.54	6.96	4.00	2.44	-0.35	0.06	-0.35	-0.98	-1.28	2.60
CRMS 3985	11.74	44.35	50.91	41.43	36.55	9.19	-1.43	-13.03	-2.00	-2.42	-2.53	13.49
CRMS 0258	33.17	53.50	48.66	29.34	13.51	0.83	4.15	4.25	-1.72	0.47	-1.08	40.75
CRMS 0224	52.32	79.75	65.17	43.91	25.74	5.27	5.20	5.09	0.77	1.05	-0.25	66.71
CRMS 0163	-7.17	-11.51	-8.11	-7.13	-5.65	-0.97	0.13	0.98	-0.96	1.61	-4.12	-7.65
CRMS 0162	-0.56	0.13	-2.85	-0.58	2.03	2.70	2.33	2.71	1.05	0.81	2.46	6.56

Figure WQ TSS 192 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.58	16.63	17.03	31.09	29.42	17.05	11.20	11.25	9.29	10.25	15.96	17.79
CRMS0276 - Just east of Wilkinson Canal	34.91	134.93	91.26	122.33	96.87	50.97	16.13	10.64	14.67	28.09	79.95	77.28
Barataria Waterway at Lafitte (USACE82875)	88.83	204.66	153.21	141.89	137.35	91.19	52.60	43.25	21.29	110.01	148.12	147.44
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	21.32	19.52	47.14	41.20	24.10	9.97	9.13	8.55	9.29	15.92	19.13
USGS7380251 Barataria Bay North of Grand Isle	11.09	17.13	16.88	18.19	16.32	11.72	15.75	15.95	10.83	15.53	18.25	17.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.59	25.95	20.99	32.98	26.76	17.21	9.73	8.25	7.73	8.83	17.80	21.23
USGS 07380335 - Little Lake Near Cutoff	13.70	42.64	27.65	45.13	33.17	20.67	9.83	9.27	7.79	10.19	25.02	28.34
USGS073802516 Barataria Pass at Grand Isle	10.58	27.55	21.59	35.04	27.83	19.07	11.19	8.24	7.26	8.70	17.01	21.39
HWQ14 - Lake Washington	7.84	10.79	14.70	17.59	14.65	10.35	8.72	8.43	7.16	8.70	11.41	13.00
HWQ16 - Bayou Grand Liard	16.44	67.96	43.15	73.24	47.27	28.10	12.86	11.80	10.74	13.06	36.46	38.44
CRMS 3985	20.38	26.94	22.67	15.33	13.40	12.45	22.54	19.90	10.87	23.04	28.35	27.82
CRMS 0258	12.72	57.70	39.17	84.72	70.03	37.34	11.70	8.91	14.34	17.59	35.88	39.43
CRMS 0224	10.57	43.67	28.67	66.60	51.57	30.20	10.93	8.37	10.47	10.56	21.91	28.29
CRMS 0163	134.00	224.76	196.66	146.53	156.86	97.87	61.01	48.85	26.73	130.83	200.84	174.90
CRMS 0162	99.72	183.60	109.18	109.00	123.52	88.48	48.90	32.26	16.88	60.90	142.24	162.02

V3PR8 HYST - cy 4 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	171.95	262.00	234.70	155.42	202.63	118.14	89.43	57.00	48.44	159.39	193.74	169.84
CRMS0276 - Just east of Wilkinson Canal	33.48	110.66	79.39	117.99	83.94	47.74	16.00	10.64	14.34	26.66	76.99	74.15
Barataria Waterway at Lafitte (USACE82875)	80.99	184.37	132.29	134.94	122.70	79.80	44.25	32.64	23.83	92.85	146.74	137.92
USGS2928590900040000 Barataria Waterway South of Lafitte	32.10	147.36	118.67	51.45	110.10	26.22	26.71	23.89	18.01	30.31	22.76	20.43
USGS7380251 Barataria Bay North of Grand Isle	22.01	102.88	82.73	51.21	81.34	17.60	11.20	11.64	11.15	17.40	20.56	18.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.00	143.13	100.18	66.50	109.38	23.51	14.62	12.28	10.55	15.83	21.10	20.90
USGS 07380335 - Little Lake Near Cutoff	14.18	108.87	70.89	74.34	84.96	25.90	13.01	9.71	8.90	11.80	24.51	26.83
USGS073802516 Barataria Pass at Grand Isle	11.94	88.20	55.68	65.84	52.50	23.13	12.33	8.73	7.28	10.37	18.89	20.87
HWQ14 - Lake Washington	10.12	57.57	35.97	45.29	37.13	14.97	7.79	6.29	6.83	10.72	13.68	12.93
HWQ16 - Bayou Grand Liard	16.77	72.75	45.57	81.18	49.61	29.26	12.84	11.81	9.27	11.78	35.95	38.24
CRMS 3985	20.66	48.71	32.77	39.96	36.08	13.16	8.06	11.68	9.50	21.01	23.86	25.04
CRMS 0258	14.27	88.37	59.49	72.59	80.40	31.72	14.42	12.10	13.71	19.29	36.05	37.15
CRMS 0224	14.93	107.62	71.21	65.04	87.30	27.75	14.97	12.39	11.41	15.31	21.65	25.10
CRMS 0163	130.06	219.99	192.38	148.43	151.55	100.29	60.59	49.63	29.08	133.08	197.09	174.70
CRMS 0162	101.04	184.72	113.58	121.29	130.11	92.65	53.39	33.98	17.02	67.37	148.62	170.02

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.37	245.37	217.66	124.32	173.21	101.09	78.24	45.75	39.15	149.15	177.78	152.05
CRMS0276 - Just east of Wilkinson Canal	-1.43	-24.28	-11.87	-4.34	-12.93	-3.23	-0.13	0.00	-0.33	-1.42	-2.96	-3.13
Barataria Waterway at Lafitte (USACE82875)	-7.84	-20.29	-20.93	-6.96	-14.65	-11.40	-8.35	-10.61	2.54	-17.16	-1.38	-9.52
USGS2928590900040000 Barataria Waterway South of Lafitte	25.25	126.04	99.16	4.32	68.91	2.12	16.75	14.76	9.47	21.02	6.84	1.30
USGS7380251 Barataria Bay North of Grand Isle	10.92	85.75	65.85	33.02	65.02	5.88	-4.55	-4.31	0.33	1.87	2.32	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.41	117.19	79.20	33.52	82.61	6.30	4.89	4.04	2.82	7.01	3.30	-0.33
USGS 07380335 - Little Lake Near Cutoff	0.48	66.24	43.24	29.22	51.79	5.23	3.18	0.45	1.11	1.61	-0.51	-1.51
USGS073802516 Barataria Pass at Grand Isle	1.36	60.64	34.09	30.80	24.68	4.06	1.14	0.48	0.02	1.68	1.88	-0.51
HWQ14 - Lake Washington	2.28	46.77	21.27	27.70	22.48	4.61	-0.93	-2.14	-0.33	2.03	2.27	-0.06
HWQ16 - Bayou Grand Liard	0.33	4.79	2.42	7.93	2.34	1.16	-0.02	0.01	-1.47	-1.28	-0.51	-0.20
CRMS 3985	0.28	21.77	10.10	24.64	22.68	0.70	-14.48	-8.23	-1.37	-2.03	-4.49	-2.78
CRMS 0258	1.54	30.67	20.32	-12.13	10.37	-5.62	2.72	3.19	-0.63	1.70	0.16	-2.28
CRMS 0224	4.36	63.95	42.54	-1.56	35.74	-2.45	4.04	4.02	0.94	4.75	-0.26	-3.20
CRMS 0163	-3.94	-4.77	-4.29	1.90	-5.30	2.42	-0.42	0.78	2.35	2.25	-3.75	-0.21
CRMS 0162	1.32	1.11	4.41	12.29	6.59	4.16	4.49	1.73	0.14	6.47	6.37	7.99

Figure WQ TSS 193 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.17	10.81	14.71	23.11	23.27	19.74	16.84	17.69	16.42	14.98	9.27	9.68
CRMS0276 - Just east of Wilkinson Canal	38.13	87.01	51.08	77.57	79.05	59.38	36.45	33.84	46.43	36.44	31.27	38.54
Barataria Waterway at Lafitte (USACE82875)	80.41	122.64	78.98	98.48	110.63	81.02	83.25	78.47	81.39	79.35	59.67	107.67
USGS2928590900040000 Barataria Waterway South of Lafitte	7.02	14.10	17.60	31.55	32.13	27.55	13.72	14.76	20.72	17.74	9.36	8.67
USGS7380251 Barataria Bay North of Grand Isle	9.26	9.03	9.81	12.89	13.18	11.44	16.93	18.43	16.04	15.37	11.56	12.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.51	19.44	18.75	24.30	21.59	18.18	11.63	12.68	15.93	15.57	11.04	9.31
USGS 07380335 - Little Lake Near Cutoff	13.78	31.65	24.46	32.56	27.09	22.85	13.73	12.96	16.74	16.72	12.88	11.37
USGS073802516 Barataria Pass at Grand Isle	10.02	21.48	19.13	26.40	23.86	21.20	15.13	13.44	13.29	14.98	10.88	9.81
HWQ14 - Lake Washington	6.43	7.67	10.79	12.93	12.34	9.80	8.31	8.97	9.53	10.47	9.09	8.32
HWQ16 - Bayou Grand Liard	20.60	52.10	33.57	48.62	41.16	36.59	22.57	17.76	19.10	15.39	15.40	17.09
CRMS 3985	14.76	11.18	7.04	8.80	9.87	10.04	23.69	24.31	19.80	20.10	16.05	21.29
CRMS 0258	14.75	36.53	30.10	50.56	54.49	47.11	26.40	27.09	39.76	29.51	15.19	16.10
CRMS 0224	9.99	29.82	24.44	41.60	39.72	33.04	14.67	15.35	28.82	22.81	12.46	10.10
CRMS 0163	108.29	137.65	102.43	106.77	125.09	89.79	93.98	94.54	91.95	91.70	80.34	144.32
CRMS 0162	102.39	130.55	80.08	95.96	104.55	98.81	127.62	110.26	63.57	60.18	47.12	117.64

V3PR8 HYST - cy 4 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.25	192.90	155.87	157.62	185.31	148.03	159.02	132.45	104.05	113.49	91.51	148.96
CRMS0276 - Just east of Wilkinson Canal	43.91	67.66	40.73	70.34	65.89	52.13	49.59	42.57	46.23	37.00	30.85	37.53
Barataria Waterway at Lafitte (USACE82875)	69.04	105.79	62.30	86.04	93.15	65.33	56.73	56.77	76.07	72.87	60.24	97.45
USGS2928590900040000 Barataria Waterway South of Lafitte	114.11	158.14	108.09	120.88	143.64	107.76	110.31	67.47	28.31	30.63	13.72	17.29
USGS7380251 Barataria Bay North of Grand Isle	70.25	106.15	70.69	82.89	101.50	73.59	74.90	45.23	15.86	13.66	10.71	12.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	90.42	119.78	86.83	93.54	111.10	85.49	95.19	61.03	21.71	19.13	12.49	12.00
USGS 07380335 - Little Lake Near Cutoff	60.36	93.80	63.42	77.35	88.42	67.25	71.00	46.53	22.04	18.98	13.39	11.75
USGS073802516 Barataria Pass at Grand Isle	46.76	71.46	45.53	58.03	56.27	44.27	46.92	36.52	17.09	16.01	11.15	10.14
HWQ14 - Lake Washington	31.14	52.99	30.97	45.89	45.01	37.30	35.61	26.55	11.42	10.50	8.49	7.90
HWQ16 - Bayou Grand Liard	26.74	58.30	35.27	55.28	49.87	40.70	29.57	21.52	20.28	16.15	15.83	17.17
CRMS 3985	30.30	54.29	30.74	47.14	53.29	42.43	42.28	26.71	9.93	11.20	11.59	18.84
CRMS 0258	56.65	81.76	51.15	68.21	80.30	68.58	75.83	60.45	38.55	30.78	14.31	15.39
CRMS 0224	68.78	93.29	62.88	74.12	86.15	71.03	79.79	54.63	28.57	23.41	12.53	10.56
CRMS 0163	98.76	129.57	95.41	100.28	118.45	83.82	83.83	90.81	93.99	93.59	78.90	144.39
CRMS 0162	101.99	129.80	78.84	97.06	105.47	100.66	132.76	114.39	67.96	63.26	45.57	121.69

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.09	182.09	141.16	134.52	162.04	128.29	142.18	114.76	87.63	98.50	82.25	139.28
CRMS0276 - Just east of Wilkinson Canal	5.79	-19.35	-10.35	-7.23	-13.16	-7.25	13.14	8.72	-0.20	0.57	-0.42	-1.00
Barataria Waterway at Lafitte (USACE82875)	-11.37	-16.84	-16.68	-12.44	-17.48	-15.69	-26.53	-21.70	-5.32	-6.48	0.56	-10.23
USGS2928590900040000 Barataria Waterway South of Lafitte	107.09	144.05	90.49	89.33	111.52	80.21	96.59	52.71	7.59	12.89	4.36	8.62
USGS7380251 Barataria Bay North of Grand Isle	61.00	97.12	60.88	70.00	88.32	62.15	57.97	26.79	-0.18	-1.71	-0.84	-0.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	80.91	100.34	68.08	69.25	89.52	67.31	83.56	48.35	5.79	3.57	1.45	2.69
USGS 07380335 - Little Lake Near Cutoff	46.58	62.15	38.96	44.79	61.33	44.39	57.27	33.57	5.30	2.25	0.51	0.38
USGS073802516 Barataria Pass at Grand Isle	36.74	49.97	26.40	31.63	32.41	23.07	31.79	23.09	3.80	1.03	0.27	0.33
HWQ14 - Lake Washington	24.71	45.32	20.18	32.96	32.67	27.50	27.30	17.59	1.89	0.02	-0.60	-0.41
HWQ16 - Bayou Grand Liard	6.14	6.20	1.71	6.66	8.71	4.11	7.00	3.76	1.18	0.75	0.43	0.08
CRMS 3985	15.53	43.11	23.70	38.34	43.42	32.39	18.59	2.40	-9.87	-8.90	-4.46	-2.45
CRMS 0258	41.90	45.23	21.05	17.65	25.81	21.46	49.44	33.36	-1.21	1.27	-0.89	-0.71
CRMS 0224	58.79	63.47	38.44	32.51	46.43	37.99	65.13	39.28	-0.25	0.60	0.07	0.46
CRMS 0163	-9.53	-8.08	-7.02	-6.49	-6.63	-5.97	-10.15	-3.72	2.03	1.89	-1.44	0.07
CRMS 0162	-0.40	-0.76	-1.24	1.10	0.93	1.85	5.14	4.13	4.39	3.08	-1.55	4.05

Figure WQ TSS 194 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.11	6.22	20.86	34.27	34.61	20.61	12.92	13.07	12.44	12.91	8.02	18.31
CRMS0276 - Just east of Wilkinson Canal	67.25	47.73	130.53	115.24	128.17	41.35	25.14	23.39	35.90	28.76	28.59	125.12
Barataria Waterway at Lafitte (USACE82875)	109.71	100.27	214.87	148.87	171.39	55.67	56.18	56.94	63.61	61.73	64.27	225.00
USGS2928590900040000 Barataria Waterway South of Lafitte	12.03	8.54	20.15	46.14	50.06	27.31	11.79	10.88	16.08	15.67	7.82	18.48
USGS7380251 Barataria Bay North of Grand Isle	13.07	8.07	20.57	20.93	17.67	11.96	9.01	10.87	12.04	13.15	10.77	18.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.74	14.20	23.19	38.71	34.42	21.14	11.09	10.23	12.50	13.35	10.17	19.31
USGS 07380335 - Little Lake Near Cutoff	33.33	20.14	34.08	51.71	46.36	24.67	12.39	9.75	12.72	14.05	12.80	31.46
USGS073802516 Barataria Pass at Grand Isle	23.89	14.54	25.07	41.68	37.94	23.80	14.54	10.84	10.33	12.76	9.95	22.50
HWQ14 - Lake Washington	11.74	7.03	14.72	20.78	17.40	12.69	7.28	6.88	7.17	9.00	7.89	10.83
HWQ16 - Bayou Grand Liard	41.44	26.33	73.28	77.67	80.93	32.93	14.88	13.01	14.04	12.86	15.58	59.36
CRMS 3985	20.00	13.65	31.38	16.17	13.01	8.86	6.17	12.23	15.05	16.84	16.22	31.08
CRMS 0258	26.12	21.94	51.01	73.63	84.43	36.50	21.61	21.31	31.76	26.40	12.17	47.41
CRMS 0224	24.50	20.27	31.80	62.66	66.34	30.69	13.51	12.77	23.43	20.12	10.06	27.98
CRMS 0163	133.73	116.60	265.97	163.01	186.38	59.55	65.42	69.28	74.10	64.91	98.06	266.20
CRMS 0162	126.66	74.89	219.20	147.10	172.96	71.18	90.56	78.00	42.54	35.33	54.91	263.15

V3PR8 HYST - cy 4 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.26	134.05	355.37	229.30	252.28	112.00	117.07	87.00	84.94	82.01	127.08	347.23
CRMS0276 - Just east of Wilkinson Canal	65.97	44.81	105.91	101.61	119.81	39.06	34.96	26.64	35.70	28.53	27.82	96.04
Barataria Waterway at Lafitte (USACE82875)	100.57	88.58	176.40	128.68	149.81	46.80	37.99	46.92	58.22	56.34	63.28	185.77
USGS2928590900040000 Barataria Waterway South of Lafitte	31.02	14.45	282.69	187.82	215.51	83.91	80.94	32.30	26.24	27.76	25.51	278.32
USGS7380251 Barataria Bay North of Grand Isle	33.67	13.29	197.29	131.79	154.13	49.90	53.27	20.22	14.10	14.12	16.72	194.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	49.04	16.53	231.19	145.72	164.58	55.41	65.74	24.33	17.40	17.08	14.91	234.16
USGS 07380335 - Little Lake Near Cutoff	54.49	20.89	181.88	119.07	139.94	44.72	48.92	20.28	16.67	16.19	11.82	178.71
USGS073802516 Barataria Pass at Grand Isle	48.44	16.05	122.82	84.06	95.20	34.10	34.05	18.88	12.28	13.89	10.16	127.59
HWQ14 - Lake Washington	36.43	10.47	80.69	68.83	76.91	29.79	26.19	14.71	8.76	10.16	8.50	77.00
HWQ16 - Bayou Grand Liard	46.99	26.10	91.37	84.37	91.08	32.05	20.37	13.00	14.80	13.18	14.95	78.12
CRMS 3985	36.13	18.20	96.90	74.23	89.38	32.20	31.38	13.62	11.39	13.80	14.02	86.90
CRMS 0258	41.05	18.67	152.37	106.05	125.75	42.31	55.82	32.43	29.68	27.34	12.53	146.32
CRMS 0224	47.51	18.43	178.55	116.97	132.80	42.68	55.08	24.91	23.15	20.84	11.18	177.04
CRMS 0163	128.95	116.95	253.72	153.99	180.85	56.09	58.12	69.44	74.46	65.50	96.15	253.77
CRMS 0162	126.95	79.16	214.65	148.34	179.69	74.25	91.99	81.28	44.85	35.85	55.01	262.93

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	131.15	127.83	334.51	195.03	217.67	91.40	104.15	73.93	72.50	69.10	119.06	328.92
CRMS0276 - Just east of Wilkinson Canal	-1.28	-2.92	-24.62	-13.63	-8.36	-2.29	9.82	3.24	-0.20	-0.24	-0.78	-29.09
Barataria Waterway at Lafitte (USACE82875)	-9.14	-11.69	-38.47	-20.19	-21.58	-8.87	-18.19	-10.02	-5.39	-5.38	-0.99	-39.23
USGS2928590900040000 Barataria Waterway South of Lafitte	18.99	5.92	262.54	141.68	165.44	56.61	69.15	21.42	10.16	12.08	17.69	259.84
USGS7380251 Barataria Bay North of Grand Isle	20.61	5.22	176.72	110.85	136.46	37.94	44.26	9.36	2.07	0.96	5.94	175.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	26.31	2.33	208.00	107.00	130.16	34.27	54.65	14.11	4.90	3.73	4.74	214.84
USGS 07380335 - Little Lake Near Cutoff	21.16	0.75	147.80	67.36	93.58	20.05	36.53	10.53	3.96	2.13	-0.98	147.24
USGS073802516 Barataria Pass at Grand Isle	24.55	1.50	97.75	42.38	57.27	10.30	19.50	8.04	1.95	1.13	0.21	105.09
HWQ14 - Lake Washington	24.68	3.44	65.97	48.05	59.51	17.10	18.91	7.83	1.59	1.15	0.61	66.17
HWQ16 - Bayou Grand Liard	5.55	-0.23	18.10	6.70	10.14	-0.88	5.50	0.00	0.76	0.32	-0.63	18.76
CRMS 3985	16.14	4.55	65.52	58.07	76.37	23.33	25.21	1.39	-3.66	-3.04	-2.21	55.82
CRMS 0258	14.94	-3.27	101.37	32.42	41.33	5.81	34.21	11.12	-2.08	0.93	0.36	98.91
CRMS 0224	23.01	-1.84	146.74	54.32	66.46	11.99	41.57	12.15	-0.28	0.72	1.12	149.06
CRMS 0163	-4.78	0.36	-12.26	-9.03	-5.53	-3.46	-7.30	0.16	0.36	0.58	-1.91	-12.43
CRMS 0162	0.29	4.27	-4.55	1.23	6.73	3.06	1.43	3.28	2.30	0.52	0.10	-0.23

Figure WQ TSS 195 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.02	14.92	22.22	30.86	22.41	15.30	12.75	13.40	16.57	18.79	9.07	8.06
CRMS0276 - Just east of Wilkinson Canal	50.86	107.98	128.86	110.57	49.72	43.73	33.35	24.44	48.31	51.50	25.38	23.45
Barataria Waterway at Lafitte (USACE82875)	126.64	177.82	172.26	147.44	69.10	64.22	59.01	57.85	91.49	86.95	49.18	76.39
USGS2928590900040000 Barataria Waterway South of Lafitte	9.08	19.68	27.06	41.56	28.29	20.28	11.87	11.43	21.48	23.39	9.51	7.51
USGS7380251 Barataria Bay North of Grand Isle	13.31	15.46	18.39	17.78	13.94	9.92	8.85	10.87	14.37	16.23	10.55	10.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.83	24.32	31.74	35.61	23.47	14.37	11.91	11.29	15.26	19.51	11.08	7.68
USGS 07380335 - Little Lake Near Cutoff	12.84	36.80	46.51	48.78	27.52	17.23	14.55	11.03	16.57	22.67	12.40	8.69
USGS073802516 Barataria Pass at Grand Isle	8.60	24.28	33.21	39.10	26.21	17.24	16.33	12.18	11.67	18.74	11.09	7.99
HWQ14 - Lake Washington	6.50	10.63	16.66	18.19	15.17	9.19	7.02	7.23	7.49	11.06	8.96	7.22
HWQ16 - Bayou Grand Liard	19.82	52.74	78.21	76.48	37.51	25.29	21.89	13.24	18.15	23.93	13.76	11.75
CRMS 3985	24.76	24.46	18.99	12.53	10.29	7.67	6.10	12.11	16.78	19.63	14.14	16.30
CRMS 0258	20.32	53.72	60.14	67.55	39.41	36.80	22.80	22.56	44.18	40.95	13.85	10.50
CRMS 0224	9.91	39.67	46.08	57.31	33.60	24.76	14.98	14.03	28.64	30.35	12.43	7.55
CRMS 0163	174.84	206.44	194.29	159.57	78.48	70.89	64.88	68.75	110.77	91.37	64.38	106.13
CRMS 0162	168.40	198.91	178.44	153.00	79.13	80.78	88.94	81.34	88.82	82.72	34.96	84.69

V3PR9 HYST - cy 4 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.93	14.11	21.11	30.39	22.05	14.86	12.64	13.30	15.72	17.83	8.85	7.62
CRMS0276 - Just east of Wilkinson Canal	42.90	96.80	120.64	107.37	48.95	42.74	31.66	22.22	43.58	45.36	24.58	22.80
Barataria Waterway at Lafitte (USACE82875)	106.09	152.48	153.23	131.46	58.03	53.69	48.60	45.39	73.89	78.26	46.98	59.30
USGS2928590900040000 Barataria Waterway South of Lafitte	8.83	18.06	25.04	41.05	28.15	19.45	11.55	11.08	19.64	21.62	8.90	6.85
USGS7380251 Barataria Bay North of Grand Isle	13.06	14.74	18.10	17.54	13.71	9.88	8.98	11.11	14.38	16.08	10.72	9.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.84	21.90	28.39	34.04	23.08	13.83	11.38	10.80	13.73	17.68	10.41	7.49
USGS 07380335 - Little Lake Near Cutoff	11.42	34.13	41.98	47.22	27.08	16.49	13.92	10.29	14.40	20.27	12.54	10.05
USGS073802516 Barataria Pass at Grand Isle	7.73	22.66	30.41	37.85	25.63	16.53	15.51	11.39	10.72	16.99	10.70	8.24
HWQ14 - Lake Washington	6.43	10.06	16.03	17.46	14.25	8.67	6.67	6.88	7.43	10.71	8.64	7.12
HWQ16 - Bayou Grand Liard	17.49	49.34	72.65	73.64	36.62	23.76	20.01	12.82	15.94	20.57	14.16	13.38
CRMS 3985	24.03	23.58	19.84	12.28	10.04	7.59	6.04	12.17	16.66	19.57	14.48	14.94
CRMS 0258	18.96	49.23	55.59	65.98	39.41	35.60	22.30	21.56	41.34	38.02	13.30	9.99
CRMS 0224	8.83	35.44	41.00	55.64	33.40	23.52	14.37	13.29	25.74	27.60	11.38	7.97
CRMS 0163	162.98	199.27	186.91	154.87	75.54	69.31	61.87	66.76	107.82	86.96	60.45	101.30
CRMS 0162	166.91	197.73	175.61	153.52	78.80	80.11	88.85	81.10	88.03	77.02	35.81	83.67

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.09	-0.81	-1.11	-0.48	-0.37	-0.44	-0.11	-0.10	-0.85	-0.96	-0.21	-0.44
CRMS0276 - Just east of Wilkinson Canal	-7.96	-11.18	-8.22	-3.19	-0.77	-0.99	-1.69	-2.22	-4.73	-6.14	-0.81	-0.65
Barataria Waterway at Lafitte (USACE82875)	-20.56	-25.34	-19.03	-15.98	-11.07	-10.52	-10.40	-12.46	-17.60	-8.69	-2.20	-17.09
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.25	-1.63	-2.02	-0.51	-0.14	-0.84	-0.32	-0.35	-1.84	-1.77	-0.62	-0.66
USGS7380251 Barataria Bay North of Grand Isle	-0.25	-0.71	-0.29	-0.25	-0.23	-0.04	0.13	0.24	0.00	-0.16	0.17	-0.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.00	-2.42	-3.35	-1.57	-0.39	-0.54	-0.53	-0.49	-1.53	-1.82	-0.67	-0.19
USGS 07380335 - Little Lake Near Cutoff	-1.42	-2.67	-4.53	-1.56	-0.45	-0.74	-0.64	-0.74	-2.18	-2.40	0.14	1.36
USGS073802516 Barataria Pass at Grand Isle	-0.87	-1.62	-2.80	-1.26	-0.58	-0.71	-0.81	-0.80	-0.95	-1.75	-0.39	0.25
HWQ14 - Lake Washington	-0.07	-0.57	-0.63	-0.73	-0.92	-0.52	-0.35	-0.35	-0.06	-0.35	-0.32	-0.10
HWQ16 - Bayou Grand Liard	-2.32	-3.41	-5.56	-2.84	-0.89	-1.53	-1.88	-0.42	-2.21	-3.36	0.41	1.63
CRMS 3985	-0.73	-0.89	0.85	-0.25	-0.25	-0.08	-0.07	0.06	-0.13	-0.06	0.34	-1.36
CRMS 0258	-1.36	-4.49	-4.55	-1.57	0.01	-1.19	-0.50	-1.00	-2.84	-2.94	-0.55	-0.51
CRMS 0224	-1.08	-4.23	-5.08	-1.67	-0.20	-1.23	-0.61	-0.74	-2.90	-2.74	-1.05	0.41
CRMS 0163	-11.86	-7.18	-7.39	-4.70	-2.94	-1.57	-3.01	-1.99	-2.95	-4.42	-3.93	-4.84
CRMS 0162	-1.49	-1.18	-2.83	0.52	-0.33	-0.67	-0.08	-0.25	-0.80	-5.70	0.85	-1.02

Figure WQ TSS 196 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.91	14.01	17.74	22.57	23.86	15.62	11.36	11.36	11.24	11.36	8.39	16.31
CRMS0276 - Just east of Wilkinson Canal	59.22	95.03	82.72	71.39	64.05	32.82	18.33	15.54	24.63	24.44	44.48	83.81
Barataria Waterway at Lafitte (USACE82875)	101.60	142.42	120.23	100.67	84.99	50.97	57.97	56.10	63.64	56.40	95.85	171.66
USGS2928590900040000 Barataria Waterway South of Lafitte	11.03	18.11	21.80	29.23	32.25	19.79	10.46	9.46	12.60	12.50	8.02	15.24
USGS7380251 Barataria Bay North of Grand Isle	13.61	12.03	12.14	13.33	13.28	10.00	9.26	14.55	13.36	12.90	12.63	17.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.22	23.31	25.41	24.10	23.70	14.34	9.04	8.12	10.06	11.03	12.31	16.35
USGS 07380335 - Little Lake Near Cutoff	23.38	35.40	35.57	31.51	29.27	16.11	9.20	7.69	9.23	11.45	16.60	23.58
USGS073802516 Barataria Pass at Grand Isle	16.69	24.36	26.69	26.56	26.31	16.63	11.18	8.52	8.68	10.67	11.57	17.34
HWQ14 - Lake Washington	9.90	9.92	13.07	13.82	13.51	9.39	6.38	6.78	7.82	8.63	8.51	10.73
HWQ16 - Bayou Grand Liard	30.85	54.80	57.69	46.50	44.56	18.99	9.69	12.89	10.57	11.53	20.94	37.23
CRMS 3985	22.11	15.79	9.03	9.27	9.61	7.51	9.81	20.66	17.32	16.68	20.48	29.20
CRMS 0258	24.94	45.11	40.88	44.22	49.03	32.05	16.26	11.34	23.53	20.81	14.61	40.26
CRMS 0224	17.85	35.72	33.80	36.87	39.90	22.62	11.25	9.81	16.81	15.68	12.82	23.41
CRMS 0163	125.50	167.39	141.15	115.45	93.88	54.04	69.66	66.33	72.68	65.97	139.88	215.34
CRMS 0162	123.58	157.26	131.44	106.97	91.50	60.12	97.29	62.49	33.34	33.85	81.86	199.98

V3PR9 HYST - cy 4 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.49	13.00	17.28	22.12	23.17	15.33	11.28	11.34	10.81	10.77	8.33	15.81
CRMS0276 - Just east of Wilkinson Canal	52.80	86.73	78.67	67.99	62.88	32.08	16.43	13.70	21.83	23.37	42.95	75.93
Barataria Waterway at Lafitte (USACE82875)	89.65	123.66	104.46	85.76	73.54	42.79	44.99	41.44	48.30	46.09	88.34	145.81
USGS2928590900040000 Barataria Waterway South of Lafitte	10.41	16.41	20.93	28.75	31.65	19.43	10.30	9.31	10.98	11.28	7.87	14.36
USGS7380251 Barataria Bay North of Grand Isle	12.72	12.02	12.77	13.30	13.00	9.96	9.50	14.82	13.44	12.84	12.68	16.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	14.62	20.20	23.75	23.37	23.09	14.18	8.82	7.96	9.27	9.96	11.87	14.75
USGS 07380335 - Little Lake Near Cutoff	21.31	31.66	33.61	30.61	28.50	15.82	8.86	7.47	8.58	10.72	16.83	22.26
USGS073802516 Barataria Pass at Grand Isle	15.24	21.78	25.42	25.91	25.59	16.23	10.72	8.40	8.10	10.01	11.33	16.19
HWQ14 - Lake Washington	9.34	9.06	13.04	13.32	12.69	8.92	6.22	6.98	7.91	8.56	8.60	10.22
HWQ16 - Bayou Grand Liard	27.95	49.61	54.74	44.76	42.82	18.60	9.32	12.57	10.38	12.10	21.15	35.64
CRMS 3985	19.76	17.75	10.69	9.33	9.46	7.46	10.29	21.02	17.52	16.71	20.66	27.60
CRMS 0258	23.15	41.59	39.45	42.78	48.08	31.25	15.91	10.70	20.24	18.29	16.94	37.56
CRMS 0224	16.14	31.56	31.91	35.59	38.89	22.08	10.92	9.37	14.41	13.21	14.07	21.37
CRMS 0163	118.28	159.42	134.72	111.03	90.74	52.50	67.19	63.12	68.29	61.03	129.84	206.29
CRMS 0162	122.39	155.69	130.90	105.53	91.04	59.12	96.02	62.52	33.62	33.08	82.91	197.62

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.42	-1.01	-0.46	-0.46	-0.70	-0.29	-0.08	-0.02	-0.43	-0.59	-0.07	-0.50
CRMS0276 - Just east of Wilkinson Canal	-6.42	-8.31	-4.05	-3.40	-1.17	-0.74	-1.89	-1.84	-2.80	-1.07	-1.53	-7.88
Barataria Waterway at Lafitte (USACE82875)	-11.96	-18.75	-15.77	-14.91	-11.45	-8.18	-12.98	-14.66	-15.34	-10.31	-7.51	-25.85
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.61	-1.70	-0.87	-0.47	-0.60	-0.37	-0.16	-0.15	-1.62	-1.22	-0.15	-0.88
USGS7380251 Barataria Bay North of Grand Isle	-0.90	-0.01	0.63	-0.03	-0.28	-0.03	0.24	0.28	0.08	-0.06	0.05	-0.64
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.60	-3.11	-1.66	-0.73	-0.61	-0.16	-0.22	-0.17	-0.79	-1.07	-0.44	-1.60
USGS 07380335 - Little Lake Near Cutoff	-2.08	-3.74	-1.96	-0.90	-0.76	-0.29	-0.34	-0.22	-0.65	-0.73	0.23	-1.32
USGS073802516 Barataria Pass at Grand Isle	-1.45	-2.58	-1.27	-0.65	-0.72	-0.40	-0.46	-0.12	-0.59	-0.66	-0.23	-1.15
HWQ14 - Lake Washington	-0.56	-0.86	-0.04	-0.51	-0.82	-0.47	-0.15	0.20	0.10	-0.07	0.09	-0.51
HWQ16 - Bayou Grand Liard	-2.90	-5.19	-2.95	-1.74	-1.74	-0.39	-0.37	-0.32	-0.19	0.57	0.21	-1.59
CRMS 3985	-2.35	1.96	1.67	0.06	-0.15	-0.05	0.48	0.36	0.20	0.03	0.18	-1.59
CRMS 0258	-1.79	-3.52	-1.43	-1.44	-0.96	-0.80	-0.34	-0.63	-3.29	-2.52	2.33	-2.71
CRMS 0224	-1.71	-4.16	-1.89	-1.28	-1.01	-0.54	-0.33	-0.44	-2.40	-2.47	1.26	-2.04
CRMS 0163	-7.22	-7.96	-6.44	-4.42	-3.14	-1.54	-2.47	-3.21	-4.40	-4.94	-10.04	-9.05
CRMS 0162	-1.20	-1.57	-0.54	-1.44	-0.46	-1.00	-1.27	0.04	0.28	-0.78	1.05	-2.36

Figure WQ TSS 197 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.58	16.63	17.03	31.09	29.42	17.05	11.20	11.25	9.29	10.25	15.96	17.79
CRMS0276 - Just east of Wilkinson Canal	34.91	134.93	91.26	122.33	96.87	50.97	16.13	10.64	14.67	28.09	79.95	77.28
Barataria Waterway at Lafitte (USACE82875)	88.83	204.66	153.21	141.89	137.35	91.19	52.60	43.25	21.29	110.01	148.12	147.44
USGS2928590900040000 Barataria Waterway South of Lafitte	6.86	21.32	19.52	47.14	41.20	24.10	9.97	9.13	8.55	9.29	15.92	19.13
USGS7380251 Barataria Bay North of Grand Isle	11.09	17.13	16.88	18.19	16.32	11.72	15.75	15.95	10.83	15.53	18.25	17.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.59	25.95	20.99	32.98	26.76	17.21	9.73	8.25	7.73	8.83	17.80	21.23
USGS 07380335 - Little Lake Near Cutoff	13.70	42.64	27.65	45.13	33.17	20.67	9.83	9.27	7.79	10.19	25.02	28.34
USGS073802516 Barataria Pass at Grand Isle	10.58	27.55	21.59	35.04	27.83	19.07	11.19	8.24	7.26	8.70	17.01	21.39
HWQ14 - Lake Washington	7.84	10.79	14.70	17.59	14.65	10.35	8.72	8.43	7.16	8.70	11.41	13.00
HWQ16 - Bayou Grand Liard	16.44	67.96	43.15	73.24	47.27	28.10	12.86	11.80	10.74	13.06	36.46	38.44
CRMS 3985	20.38	26.94	22.67	15.33	13.40	12.45	22.54	19.90	10.87	23.04	28.35	27.82
CRMS 0258	12.72	57.70	39.17	84.72	70.03	37.34	11.70	8.91	14.34	17.59	35.88	39.43
CRMS 0224	10.57	43.67	28.67	66.60	51.57	30.20	10.93	8.37	10.47	10.56	21.91	28.29
CRMS 0163	134.00	224.76	196.66	146.53	156.86	97.87	61.01	48.85	26.73	130.83	200.84	174.90
CRMS 0162	99.72	183.60	109.18	109.00	123.52	88.48	48.90	32.26	16.88	60.90	142.24	162.02

V3PR9 HYST - cy 4 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.38	15.86	16.07	29.94	28.51	16.66	11.39	11.41	9.30	10.15	15.31	16.79
CRMS0276 - Just east of Wilkinson Canal	31.22	121.32	82.32	118.19	89.81	47.99	14.60	10.04	14.25	25.46	72.67	71.98
Barataria Waterway at Lafitte (USACE82875)	75.61	181.70	124.14	130.65	121.25	76.72	41.06	28.33	19.58	83.57	135.13	129.00
USGS2928590900040000 Barataria Waterway South of Lafitte	6.55	19.67	18.17	43.90	38.65	23.14	10.00	9.15	8.15	8.90	14.98	18.03
USGS7380251 Barataria Bay North of Grand Isle	10.96	16.63	17.10	21.21	19.77	12.72	16.14	16.28	10.96	15.41	17.13	16.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.97	22.84	19.00	31.86	26.06	17.32	9.70	8.22	7.59	8.14	16.49	19.07
USGS 07380335 - Little Lake Near Cutoff	13.18	38.36	24.89	43.65	31.15	20.39	9.60	9.04	7.51	9.83	24.07	26.38
USGS073802516 Barataria Pass at Grand Isle	10.15	25.17	20.02	34.17	26.86	18.65	10.97	8.13	7.09	8.24	16.24	19.85
HWQ14 - Lake Washington	7.69	10.38	14.30	19.23	16.32	10.73	9.20	8.56	7.26	8.80	11.18	12.06
HWQ16 - Bayou Grand Liard	16.06	62.32	40.37	70.37	43.29	27.22	12.71	11.56	10.56	12.47	35.14	36.92
CRMS 3985	20.40	26.39	25.47	21.13	20.31	13.51	22.90	20.24	10.96	22.86	26.32	25.77
CRMS 0258	12.10	51.85	35.59	79.60	65.60	36.14	11.45	8.66	12.39	14.17	32.16	36.76
CRMS 0224	10.00	37.89	25.37	61.54	47.05	29.12	10.81	8.21	9.46	9.12	20.60	25.47
CRMS 0163	125.47	216.91	187.14	144.51	150.69	96.91	57.94	46.68	26.12	126.17	188.80	169.32
CRMS 0162	99.24	181.27	108.69	113.64	122.97	87.49	48.29	33.43	17.14	62.21	143.76	162.52

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.19	-0.77	-0.97	-1.15	-0.91	-0.39	0.19	0.16	0.01	-0.10	-0.65	-1.01
CRMS0276 - Just east of Wilkinson Canal	-3.69	-13.61	-8.94	-4.14	-7.06	-2.99	-1.53	-0.60	-0.42	-2.62	-7.29	-5.30
Barataria Waterway at Lafitte (USACE82875)	-13.21	-22.96	-29.08	-11.24	-16.09	-14.48	-11.54	-14.92	-1.72	-26.44	-13.00	-18.45
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.31	-1.65	-1.35	-3.23	-2.55	-0.97	0.04	0.02	-0.40	-0.39	-0.94	-1.11
USGS7380251 Barataria Bay North of Grand Isle	-0.13	-0.50	0.22	3.03	3.45	1.00	0.39	0.33	0.13	-0.12	-1.11	-1.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.63	-3.11	-1.99	-1.12	-0.70	0.11	-0.03	-0.02	-0.14	-0.68	-1.31	-2.16
USGS 07380335 - Little Lake Near Cutoff	-0.52	-4.28	-2.76	-1.48	-2.03	-0.28	-0.23	-0.23	-0.27	-0.36	-0.95	-1.97
USGS073802516 Barataria Pass at Grand Isle	-0.44	-2.38	-1.57	-0.87	-0.97	-0.41	-0.22	-0.12	-0.17	-0.46	-0.77	-1.53
HWQ14 - Lake Washington	-0.15	-0.41	-0.40	1.64	1.67	0.38	0.48	0.13	0.09	0.11	-0.24	-0.93
HWQ16 - Bayou Grand Liard	-0.38	-5.64	-2.78	-2.87	-3.98	-0.88	-0.15	-0.24	-0.18	-0.59	-1.31	-1.52
CRMS 3985	0.02	-0.55	2.80	5.81	6.90	1.06	0.35	0.33	0.08	-0.18	-2.03	-2.05
CRMS 0258	-0.62	-5.84	-3.59	-5.13	-4.43	-1.21	-0.25	-0.25	-1.95	-3.42	-3.72	-2.68
CRMS 0224	-0.57	-5.78	-3.30	-5.06	-4.52	-1.08	-0.12	-0.16	-1.01	-1.44	-1.31	-2.82
CRMS 0163	-8.53	-7.85	-9.52	-2.02	-6.17	-0.96	-3.07	-2.17	-0.61	-4.66	-12.05	-5.59
CRMS 0162	-0.49	-2.34	-0.48	4.64	-0.56	-0.99	-0.60	1.18	0.25	1.31	1.52	0.49

Figure WQ TSS 198 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	8.17	10.81	14.71	23.11	23.27	19.74	16.84	17.69	16.42	14.98	9.27	9.68
CRMS0276 - Just east of Wilkinson Canal	38.13	87.01	51.08	77.57	79.05	59.38	36.45	33.84	46.43	36.44	31.27	38.54
Barataria Waterway at Lafitte (USACE82875)	80.41	122.64	78.98	98.48	110.63	81.02	83.25	78.47	81.39	79.35	59.67	107.67
USGS2928590900040000 Barataria Waterway South of Lafitte	7.02	14.10	17.60	31.55	32.13	27.55	13.72	14.76	20.72	17.74	9.36	8.67
USGS7380251 Barataria Bay North of Grand Isle	9.26	9.03	9.81	12.89	13.18	11.44	16.93	18.43	16.04	15.37	11.56	12.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.51	19.44	18.75	24.30	21.59	18.18	11.63	12.68	15.93	15.57	11.04	9.31
USGS 07380335 - Little Lake Near Cutoff	13.78	31.65	24.46	32.56	27.09	22.85	13.73	12.96	16.74	16.72	12.88	11.37
USGS073802516 Barataria Pass at Grand Isle	10.02	21.48	19.13	26.40	23.86	21.20	15.13	13.44	13.29	14.98	10.88	9.81
HWQ14 - Lake Washington	6.43	7.67	10.79	12.93	12.34	9.80	8.31	8.97	9.53	10.47	9.09	8.32
HWQ16 - Bayou Grand Liard	20.60	52.10	33.57	48.62	41.16	36.59	22.57	17.76	19.10	15.39	15.40	17.09
CRMS 3985	14.76	11.18	7.04	8.80	9.87	10.04	23.69	24.31	19.80	20.10	16.05	21.29
CRMS 0258	14.75	36.53	30.10	50.56	54.49	47.11	26.40	27.09	39.76	29.51	15.19	16.10
CRMS 0224	9.99	29.82	24.44	41.60	39.72	33.04	14.67	15.35	28.82	22.81	12.46	10.10
CRMS 0163	108.29	137.65	102.43	106.77	125.09	89.79	93.98	94.54	91.95	91.70	80.34	144.32
CRMS 0162	102.39	130.55	80.08	95.96	104.55	98.81	127.62	110.26	63.57	60.18	47.12	117.64

V3PR9 HYST - cy 4 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	7.87	10.11	14.24	22.18	22.51	19.09	16.80	17.61	15.73	14.21	9.06	9.36
CRMS0276 - Just east of Wilkinson Canal	34.08	81.36	48.39	75.08	75.03	57.58	32.84	29.71	42.87	33.98	29.25	35.18
Barataria Waterway at Lafitte (USACE82875)	71.44	109.33	65.16	87.96	95.45	68.21	66.78	61.86	67.92	67.33	56.24	89.14
USGS2928590900040000 Barataria Waterway South of Lafitte	6.67	13.03	17.02	30.21	30.96	26.85	13.49	14.46	18.98	16.42	8.90	7.88
USGS7380251 Barataria Bay North of Grand Isle	8.66	8.62	9.64	12.67	12.97	11.43	17.14	18.53	16.24	15.30	11.54	11.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.51	17.29	18.02	23.24	20.82	17.69	10.93	11.91	14.47	14.26	10.44	8.70
USGS 07380335 - Little Lake Near Cutoff	12.52	28.95	23.70	31.51	26.10	21.98	12.70	11.83	14.98	15.36	12.80	11.50
USGS073802516 Barataria Pass at Grand Isle	9.07	19.59	18.52	25.42	23.21	20.22	13.99	12.36	12.28	13.97	10.53	9.57
HWQ14 - Lake Washington	6.02	7.04	10.43	12.24	11.62	9.18	8.52	8.98	9.60	10.29	8.94	8.02
HWQ16 - Bayou Grand Liard	18.48	49.10	32.17	46.44	39.05	34.94	19.85	15.66	16.81	14.47	15.16	17.91
CRMS 3985	13.59	11.12	6.96	8.64	9.69	10.03	23.96	24.06	20.07	20.16	16.12	19.72
CRMS 0258	13.76	33.84	29.29	48.64	52.07	46.61	25.99	26.22	36.65	27.62	14.33	15.29
CRMS 0224	9.04	26.72	23.48	39.65	37.52	32.14	13.94	14.42	25.71	20.93	11.48	10.09
CRMS 0163	101.48	133.00	97.31	103.31	122.06	88.49	90.84	92.04	89.18	88.49	75.68	138.18
CRMS 0162	102.37	129.96	80.44	96.92	103.38	99.05	128.31	110.30	63.42	58.70	47.33	115.01

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.29	-0.70	-0.47	-0.93	-0.77	-0.65	-0.04	-0.08	-0.69	-0.77	-0.21	-0.32
CRMS0276 - Just east of Wilkinson Canal	-4.05	-5.65	-2.69	-2.49	-4.02	-1.80	-3.61	-4.14	-3.56	-2.46	-2.02	-3.36
Barataria Waterway at Lafitte (USACE82875)	-8.96	-13.30	-13.83	-10.53	-15.18	-12.81	-16.47	-16.61	-13.47	-12.02	-3.44	-18.53
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.35	-1.07	-0.57	-1.35	-1.17	-0.71	-0.22	-0.30	-1.74	-1.32	-0.46	-0.78
USGS7380251 Barataria Bay North of Grand Isle	-0.60	-0.41	-0.17	-0.22	-0.21	-0.01	0.22	0.10	0.20	-0.07	-0.02	-0.52
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.00	-2.15	-0.73	-1.05	-0.77	-0.49	-0.71	-0.77	-1.45	-1.30	-0.59	-0.61
USGS 07380335 - Little Lake Near Cutoff	-1.25	-2.70	-0.75	-1.05	-0.99	-0.87	-1.03	-1.13	-1.76	-1.36	-0.08	0.12
USGS073802516 Barataria Pass at Grand Isle	-0.95	-1.89	-0.61	-0.97	-0.65	-0.98	-1.14	-1.08	-1.01	-1.01	-0.35	-0.24
HWQ14 - Lake Washington	-0.42	-0.63	-0.37	-0.69	-0.72	-0.62	0.21	0.01	0.07	-0.18	-0.15	-0.29
HWQ16 - Bayou Grand Liard	-2.12	-2.99	-1.40	-2.18	-2.11	-1.65	-2.71	-2.10	-2.29	-0.92	-0.23	0.82
CRMS 3985	-1.17	-0.06	-0.08	-0.16	-0.18	-0.02	0.27	-0.25	0.27	0.06	0.07	-1.57
CRMS 0258	-0.99	-2.69	-0.81	-1.92	-2.42	-0.50	-0.41	-0.87	-3.11	-1.89	-0.86	-0.80
CRMS 0224	-0.95	-3.10	-0.96	-1.96	-2.20	-0.90	-0.72	-0.93	-3.12	-1.88	-0.98	0.00
CRMS 0163	-6.82	-4.65	-5.12	-3.46	-3.02	-1.30	-3.14	-2.50	-2.77	-3.21	-4.67	-6.14
CRMS 0162	-0.02	-0.59	0.36	0.96	-1.17	0.24	0.69	0.04	-0.15	-1.48	0.21	-2.63

Figure WQ TSS 199 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.11	6.22	20.86	34.27	34.61	20.61	12.92	13.07	12.44	12.91	8.02	18.31
CRMS0276 - Just east of Wilkinson Canal	67.25	47.73	130.53	115.24	128.17	41.35	25.14	23.39	35.90	28.76	28.59	125.12
Barataria Waterway at Lafitte (USACE82875)	109.71	100.27	214.87	148.87	171.39	55.67	56.18	56.94	63.61	61.73	64.27	225.00
USGS2928590900040000 Barataria Waterway South of Lafitte	12.03	8.54	20.15	46.14	50.06	27.31	11.79	10.88	16.08	15.67	7.82	18.48
USGS7380251 Barataria Bay North of Grand Isle	13.07	8.07	20.57	20.93	17.67	11.96	9.01	10.87	12.04	13.15	10.77	18.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.74	14.20	23.19	38.71	34.42	21.14	11.09	10.23	12.50	13.35	10.17	19.31
USGS 07380335 - Little Lake Near Cutoff	33.33	20.14	34.08	51.71	46.36	24.67	12.39	9.75	12.72	14.05	12.80	31.46
USGS073802516 Barataria Pass at Grand Isle	23.89	14.54	25.07	41.68	37.94	23.80	14.54	10.84	10.33	12.76	9.95	22.50
HWQ14 - Lake Washington	11.74	7.03	14.72	20.78	17.40	12.69	7.28	6.88	7.17	9.00	7.89	10.83
HWQ16 - Bayou Grand Liard	41.44	26.33	73.28	77.67	80.93	32.93	14.88	13.01	14.04	12.86	15.58	59.36
CRMS 3985	20.00	13.65	31.38	16.17	13.01	8.86	6.17	12.23	15.05	16.84	16.22	31.08
CRMS 0258	26.12	21.94	51.01	73.63	84.43	36.50	21.61	21.31	31.76	26.40	12.17	47.41
CRMS 0224	24.50	20.27	31.80	62.66	66.34	30.69	13.51	12.77	23.43	20.12	10.06	27.98
CRMS 0163	133.73	116.60	265.97	163.01	186.38	59.55	65.42	69.28	74.10	64.91	98.06	266.20
CRMS 0162	126.66	74.89	219.20	147.10	172.96	71.18	90.56	78.00	42.54	35.33	54.91	263.15

V3PR9 HYST - cy 4 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.67	6.48	20.32	32.67	33.37	20.28	12.88	13.04	11.87	12.25	7.86	17.44
CRMS0276 - Just east of Wilkinson Canal	61.52	42.69	117.78	110.85	123.87	40.80	23.19	21.41	33.36	26.88	29.97	110.53
Barataria Waterway at Lafitte (USACE82875)	99.74	81.46	179.93	131.78	151.83	46.99	44.58	45.45	53.71	52.05	57.81	192.34
USGS2928590900040000 Barataria Waterway South of Lafitte	11.17	8.00	18.81	44.69	48.34	27.26	11.66	10.65	14.60	14.42	7.63	17.10
USGS7380251 Barataria Bay North of Grand Isle	13.55	9.84	20.43	20.54	17.45	11.90	9.14	11.11	12.18	13.02	10.75	17.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.27	13.22	21.64	37.10	33.36	20.85	10.73	9.66	11.28	12.36	10.45	16.99
USGS 07380335 - Little Lake Near Cutoff	30.11	18.85	31.73	49.67	44.68	24.34	11.91	9.09	11.27	13.12	14.23	28.85
USGS073802516 Barataria Pass at Grand Isle	21.40	13.80	23.82	40.10	36.66	23.10	13.88	10.20	9.60	12.08	9.98	20.56
HWQ14 - Lake Washington	11.17	7.76	14.94	20.09	16.66	11.78	6.92	6.53	7.20	8.84	7.82	10.18
HWQ16 - Bayou Grand Liard	37.28	24.81	69.45	73.63	76.46	32.55	13.61	12.51	12.87	12.59	16.88	53.95
CRMS 3985	22.87	16.93	32.34	16.22	12.79	8.69	6.11	12.31	15.17	16.71	16.22	30.10
CRMS 0258	24.12	19.84	46.95	71.13	81.43	36.90	21.42	20.70	29.17	24.29	13.83	43.47
CRMS 0224	22.11	18.36	28.37	59.92	63.56	30.67	13.18	12.09	20.74	18.41	11.28	24.68
CRMS 0163	126.06	111.22	253.83	158.33	181.57	57.91	61.88	67.30	71.81	61.20	91.49	256.32
CRMS 0162	125.98	75.41	219.46	146.18	171.35	71.20	89.51	78.44	41.98	33.01	55.08	260.53

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.44	0.26	-0.54	-1.60	-1.25	-0.32	-0.04	-0.03	-0.57	-0.66	-0.16	-0.86
CRMS0276 - Just east of Wilkinson Canal	-5.73	-5.04	-12.76	-4.40	-4.31	-0.56	-1.95	-1.98	-2.54	-1.88	1.37	-14.60
Barataria Waterway at Lafitte (USACE82875)	-9.96	-18.81	-34.94	-17.09	-19.55	-8.69	-11.60	-11.50	-9.90	-9.68	-6.46	-32.66
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.86	-0.54	-1.34	-1.45	-1.72	-0.04	-0.13	-0.23	-1.48	-1.26	-0.19	-1.38
USGS7380251 Barataria Bay North of Grand Isle	0.48	1.77	-0.14	-0.39	-0.22	-0.06	0.14	0.24	0.14	-0.13	-0.02	-0.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.46	-0.98	-1.56	-1.62	-1.06	-0.29	-0.36	-0.57	-1.22	-0.99	0.28	-2.33
USGS 07380335 - Little Lake Near Cutoff	-3.22	-1.29	-2.35	-2.03	-1.68	-0.33	-0.48	-0.66	-1.45	-0.93	1.43	-2.61
USGS073802516 Barataria Pass at Grand Isle	-2.48	-0.74	-1.24	-1.58	-1.27	-0.70	-0.66	-0.64	-0.73	-0.68	0.02	-1.94
HWQ14 - Lake Washington	-0.58	0.73	0.22	-0.68	-0.74	-0.92	-0.36	-0.34	0.03	-0.16	-0.07	-0.65
HWQ16 - Bayou Grand Liard	-4.16	-1.52	-3.82	-4.05	-4.47	-0.39	-1.27	-0.50	-1.17	-0.27	1.30	-5.41
CRMS 3985	2.88	3.29	0.96	0.06	-0.23	-0.17	-0.06	0.08	0.12	-0.13	0.00	-0.98
CRMS 0258	-2.00	-2.10	-4.06	-2.51	-3.00	0.39	-0.19	-0.61	-2.60	-2.11	1.66	-3.94
CRMS 0224	-2.39	-1.91	-3.43	-2.74	-2.78	-0.02	-0.33	-0.68	-2.69	-1.71	1.23	-3.30
CRMS 0163	-7.66	-5.38	-12.14	-4.69	-4.81	-1.64	-3.54	-1.98	-2.29	-3.71	-6.57	-9.87
CRMS 0162	-0.68	0.52	0.25	-0.92	-1.61	0.02	-1.05	0.45	-0.57	-2.32	0.17	-2.63

Figure WQ TSS 200 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.29	22.36	29.39	40.01	27.13	17.74	13.58	13.49	19.25	22.35	10.86	9.45
CRMS0276 - Just east of Wilkinson Canal	55.08	107.48	133.96	117.01	49.74	42.75	31.66	23.28	45.59	47.49	26.73	23.78
Barataria Waterway at Lafitte (USACE82875)	134.00	186.66	184.94	160.97	77.53	69.15	62.21	56.24	91.62	84.04	49.68	80.26
USGS2928590900040000 Barataria Waterway South of Lafitte	12.28	32.86	38.13	55.10	34.43	24.64	13.50	12.57	27.22	29.54	12.01	9.74
USGS7380251 Barataria Bay North of Grand Isle	14.47	18.63	23.38	22.59	17.50	11.29	9.17	11.09	14.99	18.60	11.90	11.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.86	33.10	38.08	43.18	28.35	17.64	13.22	11.76	17.95	23.53	12.16	8.95
USGS 07380335 - Little Lake Near Cutoff	13.38	43.81	51.72	55.01	31.25	20.17	14.89	10.54	17.76	24.49	13.25	10.04
USGS073802516 Barataria Pass at Grand Isle	9.29	29.35	37.08	44.09	29.73	19.38	16.53	11.62	13.10	20.27	11.60	8.83
HWQ14 - Lake Washington	7.58	15.44	21.36	23.04	19.72	11.60	8.92	8.88	9.44	14.50	10.52	8.71
HWQ16 - Bayou Grand Liard	17.87	50.56	73.22	75.61	37.28	23.73	18.46	12.79	16.14	21.13	13.59	11.87
CRMS 3985	23.62	24.87	22.98	15.65	13.28	9.01	6.95	12.32	16.63	20.59	15.02	16.37
CRMS 0258	22.65	70.52	76.43	82.94	44.26	39.13	23.12	22.07	48.35	44.85	18.00	15.04
CRMS 0224	12.26	54.03	57.91	70.04	38.36	28.60	16.46	15.07	34.01	35.48	14.58	10.64
CRMS 0163	177.28	209.36	205.26	171.74	86.89	76.22	70.60	69.57	111.86	88.23	64.88	105.54
CRMS 0162	163.36	191.12	177.09	157.42	80.55	82.26	89.55	77.02	79.57	71.97	34.21	73.84

V3PR2 HYST - cy 5 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	221.03	260.84	246.41	208.05	122.17	116.80	108.83	97.50	136.64	104.84	76.26	134.12
CRMS0276 - Just east of Wilkinson Canal	47.00	90.26	112.90	106.87	46.54	37.58	29.07	25.25	39.03	39.66	27.03	24.55
Barataria Waterway at Lafitte (USACE82875)	127.48	176.77	179.64	152.12	71.43	63.59	54.71	51.84	79.23	67.17	46.08	72.22
USGS2928590900040000 Barataria Waterway South of Lafitte	81.42	143.60	153.34	128.96	64.50	64.94	59.36	48.09	41.82	52.68	13.37	23.06
USGS7380251 Barataria Bay North of Grand Isle	43.96	67.33	85.70	73.67	40.07	37.28	34.89	24.54	26.05	30.10	12.64	14.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	35.75	65.13	91.80	72.86	43.50	37.86	35.22	22.00	23.58	35.27	14.22	11.84
USGS 07380335 - Little Lake Near Cutoff	20.79	57.51	75.42	66.48	38.68	31.94	26.09	15.04	18.15	29.85	15.30	10.66
USGS073802516 Barataria Pass at Grand Isle	18.85	40.02	61.27	55.88	31.73	23.84	20.74	15.00	15.67	25.35	13.31	9.78
HWQ14 - Lake Washington	21.52	33.26	48.61	45.91	26.70	20.16	18.39	13.37	13.50	23.23	11.31	9.81
HWQ16 - Bayou Grand Liard	14.42	47.43	63.42	67.17	34.33	22.24	14.82	11.39	14.42	18.72	15.50	12.91
CRMS 3985	30.73	38.83	43.68	41.19	24.56	20.65	19.80	14.40	16.98	21.27	12.71	16.62
CRMS 0258	41.89	86.98	88.26	85.34	47.32	52.39	53.62	47.50	45.78	47.97	17.09	15.49
CRMS 0224	40.96	89.07	94.49	82.55	48.95	50.19	48.98	34.33	33.25	45.06	15.42	13.08
CRMS 0163	166.83	192.24	197.49	162.40	79.83	68.30	64.20	65.66	97.90	67.03	60.45	88.33
CRMS 0162	128.18	141.20	165.82	145.07	70.77	73.00	83.47	58.48	46.29	48.68	33.79	49.75

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	206.74	238.48	217.03	168.04	95.04	99.06	95.25	84.01	117.39	82.49	65.40	124.67
CRMS0276 - Just east of Wilkinson Canal	-8.08	-17.22	-21.06	-10.14	-3.21	-5.18	-2.59	1.97	-6.56	-7.83	0.30	0.77
Barataria Waterway at Lafitte (USACE82875)	-6.52	-9.89	-5.30	-8.85	-6.10	-5.56	-7.50	-4.40	-12.39	-16.88	-3.61	-8.04
USGS2928590900040000 Barataria Waterway South of Lafitte	69.14	110.73	115.21	73.86	30.07	40.30	45.85	35.52	14.60	23.13	1.36	13.32
USGS7380251 Barataria Bay North of Grand Isle	29.50	48.70	62.32	51.08	22.57	26.00	25.73	13.45	11.07	11.50	0.74	3.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.89	32.04	53.72	29.68	15.14	20.22	22.00	10.24	5.63	11.74	2.06	2.89
USGS 07380335 - Little Lake Near Cutoff	7.41	13.70	23.70	11.47	7.42	11.77	11.20	4.50	0.39	5.35	2.06	0.62
USGS073802516 Barataria Pass at Grand Isle	9.56	10.66	24.19	11.79	1.99	4.45	4.21	3.37	2.56	5.08	1.71	0.95
HWQ14 - Lake Washington	13.94	17.82	27.25	22.87	6.98	8.56	9.47	4.50	4.06	8.73	0.79	1.10
HWQ16 - Bayou Grand Liard	-3.45	-3.13	-9.79	-8.44	-2.95	-1.49	-3.64	-1.40	-1.72	-2.42	1.90	1.04
CRMS 3985	7.11	13.95	20.71	25.53	11.28	11.64	12.85	2.08	0.34	0.69	-2.31	0.25
CRMS 0258	19.24	16.46	11.83	2.40	3.06	13.26	30.50	25.43	-2.57	3.11	-0.91	0.45
CRMS 0224	28.70	35.04	36.58	12.51	10.60	21.59	32.52	19.26	-0.75	9.58	0.84	2.44
CRMS 0163	-10.44	-17.12	-7.77	-9.33	-7.07	-7.92	-6.40	-3.91	-13.96	-21.20	-4.42	-17.20
CRMS 0162	-35.18	-49.92	-11.27	-12.35	-9.78	-9.26	-6.08	-18.54	-33.27	-23.29	-0.42	-24.09

Figure WQ TSS 201 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.37	20.34	22.94	28.24	30.66	20.15	14.94	14.88	14.79	15.17	10.92	20.23
CRMS0276 - Just east of Wilkinson Canal	62.35	97.80	88.55	74.15	65.10	31.26	16.77	15.75	22.82	24.81	48.21	85.52
Barataria Waterway at Lafitte (USACE82875)	106.83	152.27	132.47	110.98	93.17	51.44	56.26	51.68	53.27	49.65	101.75	185.97
USGS2928590900040000 Barataria Waterway South of Lafitte	15.92	28.64	29.52	36.89	41.35	26.64	15.38	14.00	17.76	17.12	11.85	21.95
USGS7380251 Barataria Bay North of Grand Isle	15.53	15.18	15.62	16.48	17.79	12.56	10.90	14.89	14.20	14.83	13.51	19.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.72	29.76	30.53	28.63	29.64	19.17	11.40	10.05	12.80	13.48	14.94	20.42
USGS 07380335 - Little Lake Near Cutoff	24.82	40.34	39.77	35.15	33.43	19.45	9.64	9.00	11.07	13.79	19.26	27.18
USGS073802516 Barataria Pass at Grand Isle	18.52	27.89	30.44	29.83	29.60	19.77	12.22	10.13	9.78	12.52	13.59	19.59
HWQ14 - Lake Washington	12.38	13.97	16.58	17.13	18.29	12.68	8.60	8.66	9.84	11.59	10.09	12.78
HWQ16 - Bayou Grand Liard	28.71	51.92	56.41	45.38	43.03	18.75	9.41	13.24	11.44	12.46	21.13	35.93
CRMS 3985	21.96	17.19	12.15	11.35	12.92	9.45	12.06	19.96	17.71	16.97	20.02	27.97
CRMS 0258	31.02	57.97	50.90	52.46	56.63	35.80	19.55	14.94	28.29	23.93	24.17	50.22
CRMS 0224	22.29	46.28	41.82	43.45	47.18	27.70	14.85	12.51	21.52	18.17	19.44	32.36
CRMS 0163	129.33	174.49	151.72	123.94	102.71	55.62	72.19	65.41	65.74	58.07	141.11	224.60
CRMS 0162	122.34	158.54	130.81	107.18	93.20	57.84	89.12	59.33	29.77	31.53	76.05	191.40

V3PR2 HYST - cy 5 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	156.31	220.83	187.36	164.38	136.25	75.40	97.28	86.20	87.54	93.24	146.41	255.18
CRMS0276 - Just east of Wilkinson Canal	56.30	83.79	77.52	67.22	60.27	29.82	16.10	15.32	18.81	18.64	46.55	72.78
Barataria Waterway at Lafitte (USACE82875)	106.67	146.46	131.59	105.64	89.39	53.29	56.04	48.61	27.54	31.42	105.07	192.08
USGS2928590900040000 Barataria Waterway South of Lafitte	119.30	171.18	141.73	119.20	94.72	47.21	57.54	50.32	40.62	43.17	60.57	171.58
USGS7380251 Barataria Bay North of Grand Isle	36.81	59.97	54.18	50.87	45.26	19.08	11.99	15.16	17.37	16.73	18.64	44.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	41.15	71.01	67.17	54.81	51.29	24.01	12.38	11.11	13.79	13.74	16.13	47.13
USGS 07380335 - Little Lake Near Cutoff	33.21	58.96	56.11	48.06	45.53	22.73	10.31	10.05	10.84	12.52	17.16	36.11
USGS073802516 Barataria Pass at Grand Isle	28.40	44.36	44.92	39.68	35.55	22.01	12.41	9.58	10.20	11.59	13.10	23.67
HWQ14 - Lake Washington	26.48	36.90	33.05	32.37	28.76	16.23	9.22	8.53	10.88	12.36	12.43	21.36
HWQ16 - Bayou Grand Liard	23.42	47.73	48.90	42.68	38.62	18.76	9.46	12.06	11.45	11.05	17.79	29.09
CRMS 3985	30.42	31.83	26.55	27.50	27.22	13.91	9.75	18.54	18.32	17.66	22.55	34.23
CRMS 0258	54.00	76.89	61.32	57.49	60.55	36.98	26.21	21.51	23.46	17.41	26.18	72.76
CRMS 0224	50.00	81.85	69.25	60.78	60.15	30.77	17.92	15.29	19.34	15.89	21.02	64.13
CRMS 0163	125.01	163.05	148.45	114.49	100.06	54.80	70.42	53.21	27.40	33.45	133.30	212.27
CRMS 0162	100.19	134.41	120.95	98.95	83.95	42.90	60.04	45.09	21.99	23.65	62.31	139.50

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	140.94	200.49	164.42	136.14	105.59	55.26	82.34	71.32	72.75	78.07	135.49	234.95
CRMS0276 - Just east of Wilkinson Canal	-6.04	-14.01	-11.04	-6.93	-4.83	-1.44	-0.67	-0.43	-4.01	-6.17	-1.66	-12.74
Barataria Waterway at Lafitte (USACE82875)	-0.16	-5.81	-0.88	-5.34	-3.77	1.85	-0.22	-3.07	-25.72	-18.24	3.33	6.11
USGS2928590900040000 Barataria Waterway South of Lafitte	103.38	142.54	112.20	82.31	53.37	20.57	42.15	36.31	22.86	26.04	48.73	149.63
USGS7380251 Barataria Bay North of Grand Isle	21.28	44.79	38.56	34.39	27.47	6.52	1.08	0.26	3.17	1.90	5.13	25.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.43	41.25	36.64	26.19	21.65	4.84	0.99	1.06	0.99	0.25	1.18	26.72
USGS 07380335 - Little Lake Near Cutoff	8.39	18.62	16.34	12.91	12.09	3.28	0.68	1.05	-0.22	-1.27	-2.10	8.93
USGS073802516 Barataria Pass at Grand Isle	9.89	16.47	14.48	9.85	5.95	2.24	0.19	-0.55	0.42	-0.93	-0.49	4.09
HWQ14 - Lake Washington	14.09	22.93	16.47	15.23	10.47	3.55	0.63	-0.13	1.04	0.76	2.35	8.58
HWQ16 - Bayou Grand Liard	-5.30	-4.19	-7.50	-2.69	-4.41	0.02	0.05	-1.18	0.02	-1.41	-3.34	-6.84
CRMS 3985	8.46	14.64	14.40	16.15	14.30	4.46	-2.31	-1.42	0.61	0.69	2.53	6.25
CRMS 0258	22.99	18.92	10.42	5.03	3.92	1.18	6.66	6.57	-4.82	-6.52	2.01	22.55
CRMS 0224	27.71	35.58	27.43	17.33	12.96	3.07	3.08	2.78	-2.18	-2.28	1.58	31.77
CRMS 0163	-4.32	-11.44	-3.27	-9.44	-2.66	-0.82	-1.77	-12.20	-38.34	-24.62	-7.80	-12.33
CRMS 0162	-22.15	-24.13	-9.86	-8.23	-9.25	-14.93	-29.08	-14.24	-7.78	-7.88	-13.74	-51.90

Figure WQ TSS 202 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.33	21.19	19.19	43.67	37.35	23.32	15.51	15.64	12.65	14.69	19.81	22.70
CRMS0276 - Just east of Wilkinson Canal	39.98	141.97	99.52	124.65	95.13	51.34	16.55	12.17	15.47	26.67	84.57	81.61
Barataria Waterway at Lafitte (USACE82875)	97.18	222.57	169.46	145.97	142.92	98.21	48.15	33.46	22.84	102.99	159.19	156.77
USGS2928590900040000 Barataria Waterway South of Lafitte	10.33	33.88	25.30	64.27	52.12	33.53	15.30	13.99	12.90	14.74	22.11	27.47
USGS7380251 Barataria Bay North of Grand Isle	11.84	10.28	14.65	26.32	22.41	15.21	16.70	16.34	11.67	17.40	19.80	20.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.03	34.03	23.42	42.59	33.68	23.61	12.82	10.59	10.00	11.32	21.40	26.71
USGS 07380335 - Little Lake Near Cutoff	15.80	50.33	30.84	52.77	37.82	25.80	11.52	12.04	9.61	12.99	28.81	33.53
USGS073802516 Barataria Pass at Grand Isle	12.73	31.84	23.14	40.93	31.09	22.84	12.80	11.17	8.53	10.99	19.64	25.06
HWQ14 - Lake Washington	9.99	11.48	13.04	24.42	20.77	14.80	11.07	9.83	8.80	11.50	13.63	16.43
HWQ16 - Bayou Grand Liard	16.78	65.55	44.34	71.75	43.72	28.46	13.56	12.76	11.80	13.29	35.97	39.10
CRMS 3985	16.85	5.74	17.62	22.47	18.70	15.14	21.96	19.60	11.45	23.11	27.52	27.49
CRMS 0258	17.15	79.26	51.09	101.63	78.88	44.66	16.51	13.13	18.99	21.46	45.28	51.18
CRMS 0224	14.04	59.44	36.30	81.34	60.21	37.36	15.63	12.11	13.76	14.21	29.86	38.42
CRMS 0163	136.47	237.03	204.81	147.19	165.58	102.46	60.99	46.42	27.05	121.73	205.96	182.06
CRMS 0162	95.52	177.25	100.64	110.36	120.80	80.64	45.55	33.07	16.78	52.40	132.53	146.31

V3PR2 HYST - cy 5 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	169.76	254.43	228.16	152.89	195.76	117.24	89.62	59.02	49.04	159.25	195.36	169.96
CRMS0276 - Just east of Wilkinson Canal	36.30	127.64	92.27	121.87	80.61	45.86	14.65	12.50	14.86	17.62	82.64	75.43
Barataria Waterway at Lafitte (USACE82875)	97.23	222.46	178.26	149.71	143.38	102.37	26.88	15.74	20.28	40.15	170.83	169.04
USGS2928590900040000 Barataria Waterway South of Lafitte	96.95	182.92	152.65	90.73	143.85	65.91	55.87	41.05	24.28	66.38	78.92	69.29
USGS7380251 Barataria Bay North of Grand Isle	18.96	64.50	44.09	50.96	52.32	18.46	16.93	16.63	13.05	20.99	26.96	25.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.39	77.13	48.75	61.91	60.97	25.18	12.99	11.19	10.77	13.91	24.59	28.62
USGS 07380335 - Little Lake Near Cutoff	14.19	66.48	39.08	65.23	51.69	26.71	11.39	11.30	9.42	11.80	27.75	31.58
USGS073802516 Barataria Pass at Grand Isle	12.14	52.05	35.04	53.28	37.97	24.29	12.49	9.87	8.71	10.82	19.97	24.60
HWQ14 - Lake Washington	11.84	44.31	27.66	40.79	30.73	16.79	11.14	9.99	9.18	13.11	17.33	18.90
HWQ16 - Bayou Grand Liard	12.99	59.18	39.37	68.20	38.33	26.34	12.16	11.96	10.51	10.13	31.69	34.30
CRMS 3985	24.50	40.56	32.91	37.58	28.71	16.39	21.95	19.27	11.19	24.49	30.53	29.31
CRMS 0258	21.10	89.78	53.08	96.51	83.75	45.30	23.36	19.39	13.21	19.40	50.67	49.80
CRMS 0224	16.67	84.94	50.44	81.68	77.77	38.24	17.79	14.47	13.09	17.23	35.05	37.90
CRMS 0163	122.96	222.86	196.86	140.27	156.25	98.83	28.61	20.41	20.85	48.51	200.10	173.64
CRMS 0162	64.24	127.08	78.18	78.36	94.41	54.03	27.87	23.65	14.51	30.69	111.39	101.19

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.43	233.24	208.97	109.22	158.41	93.92	74.11	43.38	36.39	144.56	175.55	147.26
CRMS0276 - Just east of Wilkinson Canal	-3.69	-14.33	-7.24	-2.78	-14.52	-5.48	-1.90	0.33	-0.61	-9.05	-1.93	-6.17
Barataria Waterway at Lafitte (USACE82875)	0.05	-0.11	8.80	3.74	0.46	4.16	-21.27	-17.72	-2.55	-62.84	11.63	12.27
USGS2928590900040000 Barataria Waterway South of Lafitte	86.62	149.04	127.35	26.46	91.73	32.38	40.57	27.06	11.38	51.64	56.81	41.81
USGS7380251 Barataria Bay North of Grand Isle	7.13	54.22	29.44	24.64	29.91	3.25	0.22	0.29	1.39	3.59	7.16	4.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	2.36	43.10	25.33	19.33	27.29	1.57	0.17	0.59	0.77	2.58	3.19	1.91
USGS 07380335 - Little Lake Near Cutoff	-1.61	16.14	8.24	12.46	13.87	0.92	-0.13	-0.74	-0.19	-1.19	-1.05	-1.95
USGS073802516 Barataria Pass at Grand Isle	-0.59	20.20	11.90	12.35	6.88	1.45	-0.31	-1.30	0.18	-0.17	0.33	-0.47
HWQ14 - Lake Washington	1.85	32.82	14.61	16.38	9.96	1.99	0.07	0.16	0.39	1.61	3.70	2.47
HWQ16 - Bayou Grand Liard	-3.79	-6.37	-4.97	-3.55	-5.39	-2.12	-1.41	-0.79	-1.29	-3.16	-4.28	-4.79
CRMS 3985	7.65	34.81	15.28	15.11	10.01	1.26	-0.01	-0.33	-0.26	1.38	3.00	1.82
CRMS 0258	3.95	10.51	1.99	-5.12	4.87	0.64	6.85	6.25	-5.78	-2.07	5.39	-1.38
CRMS 0224	2.62	25.50	14.14	0.33	17.55	0.89	2.16	2.37	-0.68	3.01	5.20	-0.53
CRMS 0163	-13.51	-14.17	-7.95	-6.91	-9.34	-3.63	-32.38	-26.01	-6.20	-73.22	-5.86	-8.42
CRMS 0162	-31.28	-50.17	-22.46	-32.00	-26.39	-26.61	-17.67	-9.42	-2.27	-21.71	-21.14	-45.12

Figure WQ TSS 203 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.16	15.55	18.43	29.21	29.56	25.27	20.48	21.12	21.20	20.27	11.77	11.39
CRMS0276 - Just east of Wilkinson Canal	40.39	90.69	54.76	79.60	78.45	59.50	33.99	31.85	44.41	35.45	33.66	41.83
Barataria Waterway at Lafitte (USACE82875)	86.19	132.93	88.50	105.52	118.66	86.50	87.63	79.97	78.78	77.54	63.20	117.94
USGS2928590900040000 Barataria Waterway South of Lafitte	9.89	22.28	23.01	40.23	40.85	36.30	19.10	20.01	28.81	25.03	13.41	11.51
USGS7380251 Barataria Bay North of Grand Isle	10.33	11.27	12.21	16.04	17.45	14.36	18.09	19.27	17.34	18.15	12.53	13.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.02	24.47	22.48	28.79	27.16	24.01	14.57	14.37	19.18	19.65	13.04	10.78
USGS 07380335 - Little Lake Near Cutoff	14.71	35.73	27.57	36.20	30.94	27.87	14.89	12.57	18.37	18.75	14.75	12.97
USGS073802516 Barataria Pass at Grand Isle	11.12	24.17	22.02	29.04	26.66	24.66	16.35	12.99	14.73	17.08	12.10	10.55
HWQ14 - Lake Washington	7.84	10.55	13.34	16.04	16.91	13.38	11.06	11.22	12.26	14.49	10.70	9.28
HWQ16 - Bayou Grand Liard	18.65	49.51	33.52	47.01	38.21	35.14	18.42	15.42	17.30	15.21	15.91	16.94
CRMS 3985	14.69	11.97	9.17	10.76	12.98	12.28	23.40	23.70	20.42	21.08	16.09	20.23
CRMS 0258	18.58	49.07	36.23	59.93	60.98	51.98	29.06	29.57	45.78	35.82	20.83	22.26
CRMS 0224	12.78	38.89	29.98	49.23	46.34	39.44	18.51	18.73	35.00	28.30	16.18	14.36
CRMS 0163	112.31	145.49	109.23	112.05	132.44	95.14	100.90	96.54	92.12	89.01	81.69	150.25
CRMS 0162	104.04	132.42	77.53	98.26	108.08	100.12	128.74	105.16	58.56	52.02	45.61	106.26

V3PR2 HYST - cy 5 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	154.87	180.35	145.62	147.40	175.15	139.67	151.48	128.86	100.78	111.01	92.53	149.15
CRMS0276 - Just east of Wilkinson Canal	37.47	77.74	50.72	73.51	65.92	53.89	35.41	36.34	37.73	25.70	33.22	33.54
Barataria Waterway at Lafitte (USACE82875)	78.66	129.60	89.84	102.90	116.44	84.48	79.40	75.58	54.77	45.34	61.92	112.64
USGS2928590900040000 Barataria Waterway South of Lafitte	117.19	133.80	108.63	108.04	131.06	106.80	122.05	86.52	46.43	52.70	39.52	61.61
USGS7380251 Barataria Bay North of Grand Isle	31.92	52.17	32.90	49.68	53.73	38.07	35.21	27.84	19.28	19.97	15.79	17.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	31.93	59.29	41.47	54.48	59.13	47.54	43.76	34.71	20.17	18.18	15.03	14.51
USGS 07380335 - Little Lake Near Cutoff	22.03	48.36	34.10	49.52	49.57	41.96	32.35	23.34	17.36	15.97	16.07	13.08
USGS073802516 Barataria Pass at Grand Isle	17.80	38.06	29.49	40.03	35.33	30.74	23.64	19.81	15.03	15.05	13.23	11.31
HWQ14 - Lake Washington	17.82	32.62	22.37	32.21	29.32	23.27	19.71	17.59	12.63	14.84	12.27	11.60
HWQ16 - Bayou Grand Liard	13.84	42.04	31.39	43.57	33.99	33.14	16.52	14.08	15.47	12.40	16.08	14.42
CRMS 3985	20.75	25.86	16.96	27.26	27.99	22.39	18.62	15.77	18.61	21.36	17.99	21.76
CRMS 0258	42.56	56.56	41.84	63.82	66.02	65.79	73.51	62.43	43.00	30.27	20.70	23.65
CRMS 0224	40.65	60.77	43.81	62.76	66.86	63.26	63.86	48.72	33.29	23.93	17.52	17.37
CRMS 0163	101.06	138.83	105.39	106.35	127.89	90.15	94.99	91.14	51.04	45.96	76.23	128.47
CRMS 0162	88.60	118.55	65.94	89.35	96.33	85.93	111.56	79.59	34.65	32.99	43.16	76.07

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	144.71	164.81	127.18	118.19	145.59	114.40	131.00	107.73	79.58	90.74	80.76	137.75
CRMS0276 - Just east of Wilkinson Canal	-2.92	-12.95	-4.04	-6.09	-12.53	-5.61	1.42	4.50	-6.67	-9.76	-0.44	-8.29
Barataria Waterway at Lafitte (USACE82875)	-7.53	-3.33	1.34	-2.62	-2.22	-2.02	-8.23	-4.39	-24.01	-32.20	-1.28	-5.31
USGS2928590900040000 Barataria Waterway South of Lafitte	107.29	111.53	85.61	67.80	90.21	70.49	102.94	66.51	17.62	27.67	26.11	50.10
USGS7380251 Barataria Bay North of Grand Isle	21.58	40.90	20.69	33.64	36.27	23.71	17.11	8.57	1.94	1.81	3.27	3.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.91	34.83	18.99	25.68	31.97	23.52	29.20	20.34	0.99	-1.47	1.99	3.73
USGS 07380335 - Little Lake Near Cutoff	7.31	12.64	6.53	13.31	18.63	14.09	17.46	10.77	-1.01	-2.78	1.32	0.11
USGS073802516 Barataria Pass at Grand Isle	6.68	13.89	7.47	10.99	8.67	6.08	7.29	6.82	0.30	-2.03	1.13	0.76
HWQ14 - Lake Washington	9.99	22.07	9.04	16.17	12.41	9.89	8.65	6.37	0.37	0.35	1.57	2.32
HWQ16 - Bayou Grand Liard	-4.81	-7.47	-2.13	-3.45	-4.22	-2.00	-1.90	-1.34	-1.83	-2.81	0.17	-2.52
CRMS 3985	6.05	13.89	7.78	16.50	15.01	10.11	-4.77	-7.94	-1.81	0.28	1.90	1.52
CRMS 0258	23.98	7.49	5.61	3.90	5.03	13.82	44.45	32.86	-2.78	-5.55	-0.13	1.39
CRMS 0224	27.87	21.89	13.84	13.53	20.52	23.81	45.35	29.99	-1.71	-4.37	1.35	3.00
CRMS 0163	-11.25	-6.66	-3.84	-5.70	-4.55	-4.99	-5.91	-5.39	-41.07	-43.05	-5.45	-21.79
CRMS 0162	-15.44	-13.87	-11.60	-8.92	-11.75	-14.19	-17.18	-25.57	-23.91	-19.02	-2.45	-30.19

Figure WQ TSS 204 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.12	9.54	24.21	44.25	44.38	26.93	17.49	17.84	16.85	18.09	10.40	22.62
CRMS0276 - Just east of Wilkinson Canal	68.67	49.83	141.99	118.50	134.12	41.82	22.47	22.01	33.97	28.30	31.51	126.59
Barataria Waterway at Lafitte (USACE82875)	114.05	102.33	238.26	159.19	185.79	61.74	56.25	54.53	61.62	57.87	67.94	241.48
USGS2928590900040000 Barataria Waterway South of Lafitte	17.70	15.28	27.92	60.08	64.67	35.70	17.07	16.61	23.07	22.67	11.26	26.13
USGS7380251 Barataria Bay North of Grand Isle	15.14	7.37	15.02	24.90	23.28	16.02	14.19	15.95	14.08	16.07	11.76	20.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.11	18.70	26.79	46.66	43.00	27.61	13.25	12.15	15.45	17.46	12.85	23.51
USGS 07380335 - Little Lake Near Cutoff	33.26	24.12	39.49	58.35	54.42	29.87	12.37	9.48	14.09	16.59	15.53	35.15
USGS073802516 Barataria Pass at Grand Isle	25.02	17.53	27.88	46.92	42.46	28.77	15.08	11.14	12.03	15.19	11.90	24.44
HWQ14 - Lake Washington	14.84	9.21	13.37	24.84	23.25	17.18	10.02	9.77	10.40	13.02	9.58	13.01
HWQ16 - Bayou Grand Liard	36.01	27.13	71.94	75.96	78.40	34.05	12.57	11.68	13.37	13.19	16.57	53.84
CRMS 3985	20.08	8.19	11.23	16.81	16.87	12.23	16.46	19.14	16.54	18.05	16.06	29.48
CRMS 0258	34.42	31.91	63.67	88.14	98.18	41.24	23.99	23.91	36.65	31.83	17.28	60.54
CRMS 0224	29.25	27.80	41.22	74.71	80.04	36.48	16.62	15.91	28.12	25.27	14.29	37.87
CRMS 0163	136.28	115.90	282.66	171.31	201.30	67.04	68.40	69.23	73.98	60.18	98.39	277.55
CRMS 0162	123.25	67.85	215.81	150.43	176.66	72.23	88.52	72.28	38.42	31.45	49.79	255.90

V3PR2 HYST - cy 5 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.10	133.50	339.97	216.72	238.61	102.40	110.66	86.99	84.21	81.86	127.45	333.05
CRMS0276 - Just east of Wilkinson Canal	63.63	51.00	118.32	107.55	122.56	40.75	25.35	24.59	29.59	21.68	31.81	96.73
Barataria Waterway at Lafitte (USACE82875)	117.76	69.93	241.68	151.07	176.32	58.20	48.91	54.08	40.43	32.44	67.31	242.83
USGS2928590900040000 Barataria Waterway South of Lafitte	80.41	56.00	274.55	167.58	180.79	67.52	84.89	50.27	39.28	42.51	63.00	272.68
USGS7380251 Barataria Bay North of Grand Isle	33.86	17.70	86.76	76.18	81.30	31.29	27.41	16.71	16.23	17.55	16.45	82.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	39.68	24.25	108.86	80.04	89.71	38.31	32.00	17.27	16.33	16.14	13.97	111.33
USGS 07380335 - Little Lake Near Cutoff	39.23	28.83	80.56	73.73	78.74	35.48	22.93	13.01	13.39	14.44	14.52	74.42
USGS073802516 Barataria Pass at Grand Isle	33.41	21.35	58.07	61.52	55.90	29.82	18.32	13.45	11.97	13.58	11.69	54.92
HWQ14 - Lake Washington	29.61	14.83	45.00	50.02	45.08	22.56	15.15	11.47	10.65	13.28	11.14	44.17
HWQ16 - Bayou Grand Liard	29.83	30.55	60.31	71.06	68.65	32.79	12.12	11.95	12.61	11.58	15.00	43.45
CRMS 3985	34.60	20.77	49.56	44.15	44.74	20.89	14.87	12.23	15.65	18.27	18.16	43.81
CRMS 0258	43.66	37.16	109.22	91.40	107.60	47.17	54.80	37.27	34.06	27.42	19.68	98.00
CRMS 0224	43.10	34.23	123.81	91.33	106.26	47.24	47.63	24.34	26.93	21.21	16.99	110.19
CRMS 0163	135.44	76.71	276.04	154.38	197.86	62.69	62.92	65.10	39.22	31.97	89.75	272.14
CRMS 0162	101.87	54.06	191.77	134.65	160.48	66.63	77.65	53.56	26.74	24.32	41.83	208.68

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	126.99	123.97	315.76	172.47	194.23	75.47	93.16	69.15	67.36	63.77	117.05	310.43
CRMS0276 - Just east of Wilkinson Canal	-5.04	1.17	-23.67	-10.95	-11.56	-1.06	2.88	2.58	-4.38	-6.62	0.30	-29.85
Barataria Waterway at Lafitte (USACE82875)	3.70	-32.40	3.42	-8.12	-9.48	-3.54	-7.34	-0.45	-21.19	-25.42	-0.63	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	62.71	40.72	246.63	107.51	116.11	31.83	67.82	33.67	16.21	19.84	51.74	246.55
USGS7380251 Barataria Bay North of Grand Isle	18.72	10.33	71.74	51.28	58.01	15.28	13.22	0.76	2.15	1.48	4.69	61.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	14.57	5.55	82.07	33.38	46.71	10.70	18.75	5.12	0.88	-1.31	1.12	87.81
USGS 07380335 - Little Lake Near Cutoff	5.97	4.71	41.07	15.38	24.31	5.61	10.55	3.53	-0.69	-2.15	-1.01	39.27
USGS073802516 Barataria Pass at Grand Isle	8.38	3.82	30.19	14.60	13.45	1.05	3.24	2.31	-0.05	-1.62	-0.21	30.48
HWQ14 - Lake Washington	14.77	5.62	31.63	25.18	21.83	5.38	5.13	1.71	0.24	0.26	1.56	31.16
HWQ16 - Bayou Grand Liard	-6.18	3.42	-11.63	-4.90	-9.75	-1.26	-0.45	0.27	-0.76	-1.62	-1.57	-10.39
CRMS 3985	14.53	12.58	38.33	27.34	27.87	8.66	-1.59	-6.92	-0.89	0.22	2.10	14.33
CRMS 0258	9.24	5.24	45.55	3.26	9.43	5.94	30.80	13.36	-2.59	-4.41	2.41	37.46
CRMS 0224	13.85	6.44	82.59	16.62	26.23	10.76	31.01	8.42	-1.18	-4.05	2.71	72.33
CRMS 0163	-0.84	-39.18	-6.62	-16.93	-3.44	-4.35	-5.48	-4.13	-34.76	-28.22	-8.64	-5.40
CRMS 0162	-21.38	-13.79	-24.05	-15.78	-16.17	-5.60	-10.87	-18.72	-11.68	-7.13	-7.96	-47.22

Figure WQ TSS 205 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.29	22.36	29.39	40.01	27.13	17.74	13.58	13.49	19.25	22.35	10.86	9.45
CRMS0276 - Just east of Wilkinson Canal	55.08	107.48	133.96	117.01	49.74	42.75	31.66	23.28	45.59	47.49	26.73	23.78
Barataria Waterway at Lafitte (USACE82875)	134.00	186.66	184.94	160.97	77.53	69.15	62.21	56.24	91.62	84.04	49.68	80.26
USGS2928590900040000 Barataria Waterway South of Lafitte	12.28	32.86	38.13	55.10	34.43	24.64	13.50	12.57	27.22	29.54	12.01	9.74
USGS7380251 Barataria Bay North of Grand Isle	14.47	18.63	23.38	22.59	17.50	11.29	9.17	11.09	14.99	18.60	11.90	11.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.86	33.10	38.08	43.18	28.35	17.64	13.22	11.76	17.95	23.53	12.16	8.95
USGS 07380335 - Little Lake Near Cutoff	13.38	43.81	51.72	55.01	31.25	20.17	14.89	10.54	17.76	24.49	13.25	10.04
USGS073802516 Barataria Pass at Grand Isle	9.29	29.35	37.08	44.09	29.73	19.38	16.53	11.62	13.10	20.27	11.60	8.83
HWQ14 - Lake Washington	7.58	15.44	21.36	23.04	19.72	11.60	8.92	8.88	9.44	14.50	10.52	8.71
HWQ16 - Bayou Grand Liard	17.87	50.56	73.22	75.61	37.28	23.73	18.46	12.79	16.14	21.13	13.59	11.87
CRMS 3985	23.62	24.87	22.98	15.65	13.28	9.01	6.95	12.32	16.63	20.59	15.02	16.37
CRMS 0258	22.65	70.52	76.43	82.94	44.26	39.13	23.12	22.07	48.35	44.85	18.00	15.04
CRMS 0224	12.26	54.03	57.91	70.04	38.36	28.60	16.46	15.07	34.01	35.48	14.58	10.64
CRMS 0163	177.28	209.36	205.26	171.74	86.89	76.22	70.60	69.57	111.86	88.23	64.88	105.54
CRMS 0162	163.36	191.12	177.09	157.42	80.55	82.26	89.55	77.02	79.57	71.97	34.21	73.84

V3PR3 HYST - cy 5 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	223.47	263.03	246.12	208.05	122.26	116.77	108.82	98.29	137.79	106.90	79.14	138.84
CRMS0276 - Just east of Wilkinson Canal	45.47	89.60	111.46	105.95	46.34	37.43	29.39	25.89	38.89	40.87	26.49	27.66
Barataria Waterway at Lafitte (USACE82875)	122.85	173.46	177.96	151.42	70.77	63.07	53.17	50.84	78.10	71.29	46.01	75.42
USGS2928590900040000 Barataria Waterway South of Lafitte	114.64	162.00	168.05	137.83	71.30	72.90	68.61	56.37	57.62	58.25	19.75	36.70
USGS7380251 Barataria Bay North of Grand Isle	36.75	59.71	78.35	70.40	38.02	33.99	31.55	20.85	22.52	27.46	12.20	13.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	37.64	68.36	94.07	74.58	44.39	39.07	36.22	22.70	24.03	36.06	14.10	13.27
USGS 07380335 - Little Lake Near Cutoff	21.87	59.79	77.24	67.59	39.39	32.83	26.69	15.68	18.46	31.02	14.81	12.33
USGS073802516 Barataria Pass at Grand Isle	19.50	41.00	62.81	56.43	32.06	24.12	21.00	15.02	15.86	25.81	13.29	10.71
HWQ14 - Lake Washington	20.89	32.68	48.51	46.02	26.70	19.92	18.28	13.22	13.12	22.81	11.25	10.13
HWQ16 - Bayou Grand Liard	14.57	47.75	63.20	66.79	34.39	22.30	15.02	11.76	14.74	19.32	15.07	14.13
CRMS 3985	28.68	35.60	39.82	38.99	23.12	18.61	17.46	12.41	16.37	20.79	12.79	16.23
CRMS 0258	46.68	89.43	88.91	84.97	47.47	52.74	54.52	49.84	45.68	49.18	17.09	20.90
CRMS 0224	44.43	92.78	95.94	83.01	49.27	51.03	49.82	36.13	33.54	46.52	15.48	16.69
CRMS 0163	164.82	190.12	196.59	162.05	79.49	68.72	62.98	65.37	96.44	71.27	61.07	87.82
CRMS 0162	127.62	140.81	163.29	143.48	70.14	73.65	83.49	58.85	47.03	52.66	35.04	62.05

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	209.18	240.67	216.73	168.04	95.13	99.04	95.24	84.79	118.54	84.55	68.28	129.39
CRMS0276 - Just east of Wilkinson Canal	-9.62	-17.88	-22.50	-11.06	-3.40	-5.32	-2.27	2.61	-6.70	-6.62	-0.24	3.88
Barataria Waterway at Lafitte (USACE82875)	-11.15	-13.20	-6.98	-9.55	-6.76	-6.08	-9.04	-5.40	-13.52	-12.75	-3.67	-4.84
USGS2928590900040000 Barataria Waterway South of Lafitte	102.35	129.14	129.92	82.73	36.86	48.26	55.10	43.80	30.40	28.70	7.73	26.96
USGS7380251 Barataria Bay North of Grand Isle	22.28	41.08	54.97	47.81	20.51	22.70	22.39	9.76	7.53	8.86	0.29	2.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	27.78	35.26	55.99	31.40	16.04	21.42	23.01	10.94	6.07	12.52	1.93	4.32
USGS 07380335 - Little Lake Near Cutoff	8.49	15.99	25.51	12.58	8.13	12.65	11.80	5.15	0.71	6.53	1.57	2.29
USGS073802516 Barataria Pass at Grand Isle	10.21	11.65	25.73	12.34	2.32	4.73	4.48	3.40	2.76	5.55	1.69	1.88
HWQ14 - Lake Washington	13.31	17.24	27.15	22.99	6.98	8.32	9.36	4.34	3.67	8.30	0.73	1.42
HWQ16 - Bayou Grand Liard	-3.29	-2.81	-10.02	-8.82	-2.90	-1.43	-3.45	-1.03	-1.40	-1.81	1.48	2.26
CRMS 3985	5.05	10.72	16.84	23.34	9.84	9.60	10.51	0.08	-0.26	0.21	-2.23	-0.14
CRMS 0258	24.03	18.91	12.48	2.03	3.20	13.61	31.41	27.76	-2.67	4.33	-0.92	5.86
CRMS 0224	32.17	38.74	38.04	12.96	10.91	22.43	33.35	21.06	-0.46	11.04	0.91	6.05
CRMS 0163	-12.45	-19.23	-8.67	-9.69	-7.40	-7.49	-7.62	-4.20	-15.41	-16.96	-3.80	-17.72
CRMS 0162	-35.74	-50.31	-13.80	-13.94	-10.40	-8.61	-6.06	-18.18	-32.54	-19.31	0.83	-11.79

Figure WQ TSS 206 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.37	20.34	22.94	28.24	30.66	20.15	14.94	14.88	14.79	15.17	10.92	20.23
CRMS0276 - Just east of Wilkinson Canal	62.35	97.80	88.55	74.15	65.10	31.26	16.77	15.75	22.82	24.81	48.21	85.52
Barataria Waterway at Lafitte (USACE82875)	106.83	152.27	132.47	110.98	93.17	51.44	56.26	51.68	53.27	49.65	101.75	185.97
USGS2928590900040000 Barataria Waterway South of Lafitte	15.92	28.64	29.52	36.89	41.35	26.64	15.38	14.00	17.76	17.12	11.85	21.95
USGS7380251 Barataria Bay North of Grand Isle	15.53	15.18	15.62	16.48	17.79	12.56	10.90	14.89	14.20	14.83	13.51	19.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.72	29.76	30.53	28.63	29.64	19.17	11.40	10.05	12.80	13.48	14.94	20.42
USGS 07380335 - Little Lake Near Cutoff	24.82	40.34	39.77	35.15	33.43	19.45	9.64	9.00	11.07	13.79	19.26	27.18
USGS073802516 Barataria Pass at Grand Isle	18.52	27.89	30.44	29.83	29.60	19.77	12.22	10.13	9.78	12.52	13.59	19.59
HWQ14 - Lake Washington	12.38	13.97	16.58	17.13	18.29	12.68	8.60	8.66	9.84	11.59	10.09	12.78
HWQ16 - Bayou Grand Liard	28.71	51.92	56.41	45.38	43.03	18.75	9.41	13.24	11.44	12.46	21.13	35.93
CRMS 3985	21.96	17.19	12.15	11.35	12.92	9.45	12.06	19.96	17.71	16.97	20.02	27.97
CRMS 0258	31.02	57.97	50.90	52.46	56.63	35.80	19.55	14.94	28.29	23.93	24.17	50.22
CRMS 0224	22.29	46.28	41.82	43.45	47.18	27.70	14.85	12.51	21.52	18.17	19.44	32.36
CRMS 0163	129.33	174.49	151.72	123.94	102.71	55.62	72.19	65.41	65.74	58.07	141.11	224.60
CRMS 0162	122.34	158.54	130.81	107.18	93.20	57.84	89.12	59.33	29.77	31.53	76.05	191.40

V3PR3 HYST - cy 5 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.27	220.59	188.39	165.33	137.06	77.12	100.57	86.13	88.18	96.32	153.96	256.58
CRMS0276 - Just east of Wilkinson Canal	52.93	79.26	73.17	65.08	59.25	29.48	15.64	14.30	18.62	18.45	45.26	69.18
Barataria Waterway at Lafitte (USACE82875)	98.94	140.31	125.33	102.56	85.31	51.49	53.56	46.31	28.15	31.64	98.11	179.71
USGS2928590900040000 Barataria Waterway South of Lafitte	85.42	147.04	123.51	106.65	85.01	39.16	42.44	38.56	33.23	33.10	31.53	129.89
USGS7380251 Barataria Bay North of Grand Isle	34.30	58.73	53.36	50.93	45.57	18.89	12.03	15.12	16.66	15.95	17.28	42.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	41.08	69.22	66.97	54.83	51.23	23.68	12.28	10.98	13.74	13.58	15.76	47.38
USGS 07380335 - Little Lake Near Cutoff	32.68	55.72	54.52	47.22	45.03	22.45	10.13	9.50	10.49	12.39	16.90	34.99
USGS073802516 Barataria Pass at Grand Isle	28.38	42.81	44.52	39.22	35.42	21.82	12.30	9.49	10.09	11.51	13.00	23.67
HWQ14 - Lake Washington	26.06	37.24	33.91	32.40	29.16	16.19	9.18	8.55	10.78	12.00	12.23	21.87
HWQ16 - Bayou Grand Liard	23.87	45.47	47.10	41.19	38.06	18.45	9.28	11.81	10.99	11.33	18.03	28.86
CRMS 3985	27.32	30.56	26.02	26.89	26.70	13.65	9.68	18.03	17.78	16.97	21.67	31.62
CRMS 0258	50.80	73.88	60.50	56.78	59.52	36.15	24.34	19.33	22.74	19.01	24.64	70.33
CRMS 0224	48.29	78.08	67.41	59.72	59.16	30.13	17.35	14.84	19.09	15.71	20.26	61.69
CRMS 0163	121.60	159.83	144.10	113.52	95.76	54.02	68.88	54.83	28.75	35.21	133.43	210.49
CRMS 0162	103.10	139.12	117.42	97.59	82.77	45.35	63.44	46.42	22.13	24.50	64.65	144.86

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	142.89	200.24	165.46	137.09	106.40	56.97	85.63	71.25	73.39	81.15	143.04	236.35
CRMS0276 - Just east of Wilkinson Canal	-9.41	-18.54	-15.38	-9.07	-5.85	-1.77	-1.12	-1.45	-4.20	-6.36	-2.95	-16.34
Barataria Waterway at Lafitte (USACE82875)	-7.89	-11.96	-7.14	-8.42	-7.86	0.05	-2.69	-5.38	-25.11	-18.01	-3.63	-6.26
USGS2928590900040000 Barataria Waterway South of Lafitte	69.50	118.40	93.99	69.76	43.67	12.52	27.06	24.55	15.47	15.98	19.68	107.94
USGS7380251 Barataria Bay North of Grand Isle	18.76	43.55	37.74	34.46	27.78	6.33	1.13	0.23	2.46	1.11	3.77	23.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.37	39.46	36.44	26.21	21.59	4.51	0.89	0.93	0.94	0.10	0.82	26.96
USGS 07380335 - Little Lake Near Cutoff	7.86	15.38	14.75	12.07	11.60	3.00	0.49	0.49	-0.58	-1.41	-2.36	7.81
USGS073802516 Barataria Pass at Grand Isle	9.87	14.92	14.08	9.39	5.82	2.05	0.08	-0.64	0.31	-1.01	-0.59	4.08
HWQ14 - Lake Washington	13.68	23.26	17.33	15.27	10.87	3.51	0.58	-0.11	0.94	0.40	2.14	9.09
HWQ16 - Bayou Grand Liard	-4.84	-6.45	-9.31	-4.18	-4.97	-0.29	-0.14	-1.43	-0.44	-1.13	-3.10	-7.07
CRMS 3985	5.36	13.38	13.87	15.54	13.79	4.20	-2.38	-1.93	0.07	0.00	1.65	3.65
CRMS 0258	19.79	15.91	9.59	4.32	2.89	0.35	4.79	4.39	-5.55	-4.92	0.47	20.11
CRMS 0224	26.00	31.80	25.59	16.28	11.98	2.43	2.51	2.34	-2.43	-2.47	0.82	29.34
CRMS 0163	-7.73	-14.66	-7.63	-10.42	-6.96	-1.60	-3.31	-10.58	-36.99	-22.86	-7.67	-14.11
CRMS 0162	-19.24	-19.42	-13.39	-9.58	-10.43	-12.48	-25.69	-12.91	-7.63	-7.03	-11.40	-46.54

Figure WQ TSS 207 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.33	21.19	19.19	43.67	37.35	23.32	15.51	15.64	12.65	14.69	19.81	22.70
CRMS0276 - Just east of Wilkinson Canal	39.98	141.97	99.52	124.65	95.13	51.34	16.55	12.17	15.47	26.67	84.57	81.61
Barataria Waterway at Lafitte (USACE82875)	97.18	222.57	169.46	145.97	142.92	98.21	48.15	33.46	22.84	102.99	159.19	156.77
USGS2928590900040000 Barataria Waterway South of Lafitte	10.33	33.88	25.30	64.27	52.12	33.53	15.30	13.99	12.90	14.74	22.11	27.47
USGS7380251 Barataria Bay North of Grand Isle	11.84	10.28	14.65	26.32	22.41	15.21	16.70	16.34	11.67	17.40	19.80	20.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.03	34.03	23.42	42.59	33.68	23.61	12.82	10.59	10.00	11.32	21.40	26.71
USGS 07380335 - Little Lake Near Cutoff	15.80	50.33	30.84	52.77	37.82	25.80	11.52	12.04	9.61	12.99	28.81	33.53
USGS073802516 Barataria Pass at Grand Isle	12.73	31.84	23.14	40.93	31.09	22.84	12.80	11.17	8.53	10.99	19.64	25.06
HWQ14 - Lake Washington	9.99	11.48	13.04	24.42	20.77	14.80	11.07	9.83	8.80	11.50	13.63	16.43
HWQ16 - Bayou Grand Liard	16.78	65.55	44.34	71.75	43.72	28.46	13.56	12.76	11.80	13.29	35.97	39.10
CRMS 3985	16.85	5.74	17.62	22.47	18.70	15.14	21.96	19.60	11.45	23.11	27.52	27.49
CRMS 0258	17.15	79.26	51.09	101.63	78.88	44.66	16.51	13.13	18.99	21.46	45.28	51.18
CRMS 0224	14.04	59.44	36.30	81.34	60.21	37.36	15.63	12.11	13.76	14.21	29.86	38.42
CRMS 0163	136.47	237.03	204.81	147.19	165.58	102.46	60.99	46.42	27.05	121.73	205.96	182.06
CRMS 0162	95.52	177.25	100.64	110.36	120.80	80.64	45.55	33.07	16.78	52.40	132.53	146.31

V3PR3 HYST - cy 5 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	177.24	253.77	230.08	159.16	197.07	119.52	89.83	56.56	49.87	166.79	205.27	178.23
CRMS0276 - Just east of Wilkinson Canal	33.57	118.36	86.56	115.26	77.88	44.79	14.99	12.24	14.37	18.49	76.79	71.43
Barataria Waterway at Lafitte (USACE82875)	92.22	209.06	163.72	141.67	137.45	99.90	32.27	16.14	20.72	48.75	156.41	158.97
USGS2928590900040000 Barataria Waterway South of Lafitte	49.73	151.17	113.11	67.97	122.66	46.10	38.56	31.56	22.02	47.51	41.17	39.53
USGS7380251 Barataria Bay North of Grand Isle	17.83	60.64	41.48	48.39	52.08	17.83	16.83	16.64	12.80	20.11	24.61	23.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.36	74.24	48.86	59.32	61.30	24.66	12.96	11.13	10.67	13.59	23.51	26.73
USGS 07380335 - Little Lake Near Cutoff	13.97	62.57	38.06	62.44	51.27	26.15	11.25	11.15	9.16	11.61	26.60	29.68
USGS073802516 Barataria Pass at Grand Isle	12.03	50.03	34.14	51.47	37.66	23.82	12.49	9.89	8.71	10.61	19.27	23.28
HWQ14 - Lake Washington	11.59	43.92	27.62	40.03	31.09	16.50	11.33	10.31	9.30	13.01	16.62	18.09
HWQ16 - Bayou Grand Liard	13.06	55.96	38.07	65.92	37.83	25.71	11.98	11.89	10.41	10.26	30.91	32.92
CRMS 3985	23.44	39.22	31.18	35.96	27.83	15.96	21.40	19.17	11.29	23.48	28.80	28.20
CRMS 0258	19.12	84.34	50.63	91.57	81.09	42.42	20.80	17.15	13.94	17.74	46.34	46.52
CRMS 0224	15.81	79.96	48.89	77.80	77.31	36.70	17.03	13.80	12.79	16.19	32.34	35.00
CRMS 0163	125.27	216.60	191.22	136.11	155.09	99.08	35.75	22.31	21.54	59.33	197.03	175.08
CRMS 0162	69.29	134.30	88.63	82.17	97.80	59.08	28.41	24.10	15.13	33.60	114.19	104.06

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	166.91	232.58	210.89	115.49	159.72	96.20	74.32	40.91	37.22	152.10	185.46	155.53
CRMS0276 - Just east of Wilkinson Canal	-6.42	-23.62	-12.95	-9.39	-17.25	-6.55	-1.56	0.08	-1.10	-8.18	-7.78	-10.17
Barataria Waterway at Lafitte (USACE82875)	-4.97	-13.51	-5.74	-4.30	-5.47	1.69	-15.88	-17.32	-2.12	-54.24	-2.78	2.21
USGS2928590900040000 Barataria Waterway South of Lafitte	39.40	117.29	87.81	3.71	70.54	12.57	23.26	17.57	9.12	32.77	19.07	12.06
USGS7380251 Barataria Bay North of Grand Isle	5.99	50.36	26.84	22.07	29.66	2.62	0.13	0.30	1.13	2.71	4.81	2.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	2.33	40.21	25.44	16.73	27.62	1.05	0.13	0.53	0.67	2.26	2.11	0.02
USGS 07380335 - Little Lake Near Cutoff	-1.83	12.24	7.22	9.67	13.45	0.35	-0.26	-0.89	-0.45	-1.39	-2.20	-3.85
USGS073802516 Barataria Pass at Grand Isle	-0.69	18.19	10.99	10.54	6.56	0.98	-0.30	-1.28	0.18	-0.38	-0.37	-1.78
HWQ14 - Lake Washington	1.60	32.43	14.58	15.61	10.32	1.69	0.26	0.48	0.50	1.51	2.99	1.65
HWQ16 - Bayou Grand Liard	-3.72	-9.59	-6.27	-5.84	-5.89	-2.75	-1.58	-0.86	-1.40	-3.03	-5.06	-6.17
CRMS 3985	6.59	33.48	13.56	13.49	9.12	0.82	-0.56	-0.43	-0.15	0.38	1.28	0.70
CRMS 0258	1.97	5.08	-0.46	-10.07	2.21	-2.24	4.29	4.02	-5.05	-3.72	1.06	-4.66
CRMS 0224	1.77	20.51	12.59	-3.54	17.09	-0.65	1.40	1.70	-0.97	1.98	2.48	-3.43
CRMS 0163	-11.21	-20.43	-13.59	-11.08	-10.49	-3.39	-25.24	-24.11	-5.51	-62.40	-8.92	-6.98
CRMS 0162	-26.23	-42.95	-12.01	-28.19	-23.00	-21.56	-17.13	-8.97	-1.65	-18.80	-18.34	-42.25

Figure WQ TSS 208 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.16	15.55	18.43	29.21	29.56	25.27	20.48	21.12	21.20	20.27	11.77	11.39
CRMS0276 - Just east of Wilkinson Canal	40.39	90.69	54.76	79.60	78.45	59.50	33.99	31.85	44.41	35.45	33.66	41.83
Barataria Waterway at Lafitte (USACE82875)	86.19	132.93	88.50	105.52	118.66	86.50	87.63	79.97	78.78	77.54	63.20	117.94
USGS2928590900040000 Barataria Waterway South of Lafitte	9.89	22.28	23.01	40.23	40.85	36.30	19.10	20.01	28.81	25.03	13.41	11.51
USGS7380251 Barataria Bay North of Grand Isle	10.33	11.27	12.21	16.04	17.45	14.36	18.09	19.27	17.34	18.15	12.53	13.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.02	24.47	22.48	28.79	27.16	24.01	14.57	14.37	19.18	19.65	13.04	10.78
USGS 07380335 - Little Lake Near Cutoff	14.71	35.73	27.57	36.20	30.94	27.87	14.89	12.57	18.37	18.75	14.75	12.97
USGS073802516 Barataria Pass at Grand Isle	11.12	24.17	22.02	29.04	26.66	24.66	16.35	12.99	14.73	17.08	12.10	10.55
HWQ14 - Lake Washington	7.84	10.55	13.34	16.04	16.91	13.38	11.06	11.22	12.26	14.49	10.70	9.28
HWQ16 - Bayou Grand Liard	18.65	49.51	33.52	47.01	38.21	35.14	18.42	15.42	17.30	15.21	15.91	16.94
CRMS 3985	14.69	11.97	9.17	10.76	12.98	12.28	23.40	23.70	20.42	21.08	16.09	20.23
CRMS 0258	18.58	49.07	36.23	59.93	60.98	51.98	29.06	29.57	45.78	35.82	20.83	22.26
CRMS 0224	12.78	38.89	29.98	49.23	46.34	39.44	18.51	18.73	35.00	28.30	16.18	14.36
CRMS 0163	112.31	145.49	109.23	112.05	132.44	95.14	100.90	96.54	92.12	89.01	81.69	150.25
CRMS 0162	104.04	132.42	77.53	98.26	108.08	100.12	128.74	105.16	58.56	52.02	45.61	106.26

V3PR3 HYST - cy 5 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	154.50	180.88	146.12	148.04	176.11	140.13	151.62	130.61	103.79	115.92	95.88	155.62
CRMS0276 - Just east of Wilkinson Canal	35.19	73.77	47.96	72.01	64.23	52.84	34.54	35.25	37.49	27.38	31.68	32.63
Barataria Waterway at Lafitte (USACE82875)	74.82	124.36	84.28	99.61	111.69	81.63	76.63	72.69	59.70	51.43	58.03	104.56
USGS2928590900040000 Barataria Waterway South of Lafitte	91.39	117.20	86.96	94.64	117.67	92.60	101.02	71.16	38.81	42.08	22.13	32.05
USGS7380251 Barataria Bay North of Grand Isle	31.22	50.43	32.60	49.99	55.28	38.82	36.67	28.33	18.41	19.07	14.87	16.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	32.79	58.40	41.81	54.24	58.24	47.29	44.86	35.21	20.37	18.56	14.72	13.59
USGS 07380335 - Little Lake Near Cutoff	21.60	46.29	33.29	48.71	48.58	41.56	31.99	23.35	17.50	16.35	16.07	12.55
USGS073802516 Barataria Pass at Grand Isle	18.24	37.36	29.31	39.56	35.10	30.79	23.92	19.94	15.03	15.39	13.19	11.04
HWQ14 - Lake Washington	18.53	33.26	22.85	32.43	30.29	24.14	21.41	18.50	12.65	14.63	12.06	11.27
HWQ16 - Bayou Grand Liard	14.07	40.45	29.97	42.52	33.61	32.52	16.63	14.00	15.49	13.22	16.31	14.60
CRMS 3985	19.52	25.09	16.93	26.77	27.60	22.13	19.03	15.96	18.17	20.68	17.42	20.84
CRMS 0258	40.24	54.97	40.26	62.63	65.72	64.91	71.85	60.22	41.82	30.36	20.12	20.75
CRMS 0224	38.93	58.72	42.51	61.68	66.44	62.48	63.97	47.97	33.00	24.74	17.31	15.39
CRMS 0163	99.52	135.36	102.74	104.21	124.40	88.17	91.94	90.94	60.31	53.19	75.72	128.21
CRMS 0162	90.09	121.64	68.40	87.48	94.97	88.89	114.59	82.77	37.68	37.22	43.94	79.42

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	144.33	165.33	127.69	118.83	146.56	114.86	131.15	109.49	82.59	95.65	84.12	144.23
CRMS0276 - Just east of Wilkinson Canal	-5.20	-16.92	-6.80	-7.59	-14.22	-6.66	0.55	3.40	-6.91	-8.08	-1.98	-9.20
Barataria Waterway at Lafitte (USACE82875)	-11.37	-8.57	-4.22	-5.90	-6.98	-4.87	-11.01	-7.28	-19.09	-26.11	-5.17	-13.39
USGS2928590900040000 Barataria Waterway South of Lafitte	81.50	94.92	63.95	54.41	76.83	56.30	81.92	51.15	10.00	17.05	8.72	20.54
USGS7380251 Barataria Bay North of Grand Isle	20.89	39.16	20.39	33.95	37.83	24.47	18.57	9.06	1.07	0.91	2.34	2.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.77	33.93	19.32	25.45	31.07	23.28	30.30	20.84	1.19	-1.08	1.68	2.80
USGS 07380335 - Little Lake Near Cutoff	6.88	10.56	5.73	12.50	17.65	13.70	17.10	10.78	-0.87	-2.40	1.32	-0.42
USGS073802516 Barataria Pass at Grand Isle	7.12	13.19	7.29	10.52	8.44	6.13	7.57	6.96	0.30	-1.69	1.09	0.48
HWQ14 - Lake Washington	10.69	22.71	9.51	16.40	13.39	10.76	10.35	7.29	0.39	0.14	1.36	1.99
HWQ16 - Bayou Grand Liard	-4.58	-9.06	-3.55	-4.50	-4.60	-2.62	-1.79	-1.41	-1.81	-1.99	0.40	-2.34
CRMS 3985	4.82	13.12	7.76	16.01	14.62	9.86	-4.37	-7.74	-2.25	-0.39	1.33	0.61
CRMS 0258	21.66	5.89	4.04	2.70	4.74	12.93	42.79	30.64	-3.96	-5.46	-0.71	-1.51
CRMS 0224	26.15	19.83	12.53	12.45	20.10	23.04	45.45	29.23	-2.00	-3.57	1.14	1.02
CRMS 0163	-12.80	-10.13	-6.49	-7.83	-8.04	-6.97	-8.96	-5.59	-31.81	-35.82	-5.97	-22.04
CRMS 0162	-13.95	-10.78	-9.13	-10.79	-13.11	-11.23	-14.14	-22.39	-20.88	-14.80	-1.68	-26.84

Figure WQ TSS 209 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.12	9.54	24.21	44.25	44.38	26.93	17.49	17.84	16.85	18.09	10.40	22.62
CRMS0276 - Just east of Wilkinson Canal	68.67	49.83	141.99	118.50	134.12	41.82	22.47	22.01	33.97	28.30	31.51	126.59
Barataria Waterway at Lafitte (USACE82875)	114.05	102.33	238.26	159.19	185.79	61.74	56.25	54.53	61.62	57.87	67.94	241.48
USGS2928590900040000 Barataria Waterway South of Lafitte	17.70	15.28	27.92	60.08	64.67	35.70	17.07	16.61	23.07	22.67	11.26	26.13
USGS7380251 Barataria Bay North of Grand Isle	15.14	7.37	15.02	24.90	23.28	16.02	14.19	15.95	14.08	16.07	11.76	20.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.11	18.70	26.79	46.66	43.00	27.61	13.25	12.15	15.45	17.46	12.85	23.51
USGS 07380335 - Little Lake Near Cutoff	33.26	24.12	39.49	58.35	54.42	29.87	12.37	9.48	14.09	16.59	15.53	35.15
USGS073802516 Barataria Pass at Grand Isle	25.02	17.53	27.88	46.92	42.46	28.77	15.08	11.14	12.03	15.19	11.90	24.44
HWQ14 - Lake Washington	14.84	9.21	13.37	24.84	23.25	17.18	10.02	9.77	10.40	13.02	9.58	13.01
HWQ16 - Bayou Grand Liard	36.01	27.13	71.94	75.96	78.40	34.05	12.57	11.68	13.37	13.19	16.57	53.84
CRMS 3985	20.08	8.19	11.23	16.81	16.87	12.23	16.46	19.14	16.54	18.05	16.06	29.48
CRMS 0258	34.42	31.91	63.67	88.14	98.18	41.24	23.99	23.91	36.65	31.83	17.28	60.54
CRMS 0224	29.25	27.80	41.22	74.71	80.04	36.48	16.62	15.91	28.12	25.27	14.29	37.87
CRMS 0163	136.28	115.90	282.66	171.31	201.30	67.04	68.40	69.23	73.98	60.18	98.39	277.55
CRMS 0162	123.25	67.85	215.81	150.43	176.66	72.23	88.52	72.28	38.42	31.45	49.79	255.90

V3PR3 HYST - cy 5 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	147.49	141.37	338.57	217.47	239.04	103.11	111.05	88.66	86.03	84.13	132.47	330.33
CRMS0276 - Just east of Wilkinson Canal	60.55	46.55	110.48	105.79	120.38	40.04	25.06	23.17	28.27	21.47	31.10	92.79
Barataria Waterway at Lafitte (USACE82875)	108.53	70.85	225.98	147.87	173.36	56.15	48.53	51.96	40.71	32.66	62.54	229.77
USGS2928590900040000 Barataria Waterway South of Lafitte	44.02	34.46	234.26	149.88	166.83	58.34	70.61	39.58	33.05	35.54	35.62	235.79
USGS7380251 Barataria Bay North of Grand Isle	31.57	16.02	86.17	76.24	81.95	31.57	28.49	16.86	15.50	16.74	15.73	81.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	38.05	22.60	109.31	79.61	89.46	37.80	32.71	17.28	16.08	15.95	13.91	111.75
USGS 07380335 - Little Lake Near Cutoff	38.01	26.84	77.45	72.35	77.48	34.81	22.73	12.66	13.11	14.17	14.65	72.47
USGS073802516 Barataria Pass at Grand Isle	32.51	20.29	58.05	60.74	55.54	29.55	18.52	13.38	11.72	13.32	11.78	55.60
HWQ14 - Lake Washington	28.75	14.13	47.12	50.17	45.88	22.92	16.35	11.73	10.58	12.96	11.01	46.21
HWQ16 - Bayou Grand Liard	29.72	29.14	57.67	69.75	67.51	32.39	12.22	11.53	12.15	11.48	15.22	42.62
CRMS 3985	33.36	19.33	48.31	43.33	43.90	20.48	15.12	12.44	15.24	17.61	17.59	40.53
CRMS 0258	40.82	33.60	104.98	90.36	105.88	46.28	53.54	35.40	32.56	26.76	18.96	94.19
CRMS 0224	40.81	31.32	118.08	90.08	104.78	46.37	47.43	23.66	26.05	21.38	16.80	105.75
CRMS 0163	130.05	80.36	269.31	154.78	192.53	60.12	62.07	65.98	41.11	32.86	90.82	264.52
CRMS 0162	104.51	55.33	188.97	138.00	155.54	64.75	79.47	54.83	27.15	24.41	43.55	216.19

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	133.37	131.84	314.36	173.23	194.65	76.18	93.56	70.82	69.18	66.04	122.07	307.71
CRMS0276 - Just east of Wilkinson Canal	-8.12	-3.28	-31.51	-12.71	-13.73	-1.77	2.59	1.16	-5.70	-6.83	-0.41	-33.80
Barataria Waterway at Lafitte (USACE82875)	-5.52	-31.49	-12.27	-11.32	-12.44	-5.59	-7.71	-2.57	-20.90	-25.21	-5.40	-11.71
USGS2928590900040000 Barataria Waterway South of Lafitte	26.31	19.18	206.34	89.80	102.16	22.65	53.54	22.98	9.99	12.87	24.37	209.66
USGS7380251 Barataria Bay North of Grand Isle	16.43	8.65	71.14	51.34	58.66	15.56	14.29	0.91	1.42	0.67	3.97	60.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.95	3.90	82.52	32.95	46.47	10.19	19.46	5.13	0.62	-1.51	1.06	88.23
USGS 07380335 - Little Lake Near Cutoff	4.75	2.72	37.96	14.00	23.05	4.94	10.36	3.19	-0.98	-2.42	-0.88	37.31
USGS073802516 Barataria Pass at Grand Isle	7.49	2.76	30.17	13.82	13.08	0.78	3.44	2.24	-0.31	-1.87	-0.13	31.16
HWQ14 - Lake Washington	13.91	4.93	33.74	25.33	22.63	5.74	6.32	1.97	0.18	-0.06	1.43	33.20
HWQ16 - Bayou Grand Liard	-6.29	2.01	-14.27	-6.22	-10.89	-1.66	-0.35	-0.15	-1.22	-1.71	-1.35	-11.22
CRMS 3985	13.29	11.14	37.08	26.52	27.03	8.25	-1.34	-6.71	-1.30	-0.44	1.54	11.04
CRMS 0258	6.40	1.68	41.31	2.22	7.70	5.04	29.55	11.49	-4.09	-5.07	1.69	33.65
CRMS 0224	11.55	3.52	76.86	15.37	24.74	9.89	30.81	7.75	-2.07	-3.88	2.51	67.88
CRMS 0163	-6.23	-35.54	-13.35	-16.53	-8.77	-6.92	-6.33	-3.25	-32.88	-27.32	-7.57	-13.03
CRMS 0162	-18.74	-12.52	-26.85	-12.44	-21.12	-7.48	-9.05	-17.45	-11.27	-7.04	-6.25	-39.71

Figure WQ TSS 210 - Monthly Average Total Suspended Solids (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.29	22.36	29.39	40.01	27.13	17.74	13.58	13.49	19.25	22.35	10.86	9.45
CRMS0276 - Just east of Wilkinson Canal	55.08	107.48	133.96	117.01	49.74	42.75	31.66	23.28	45.59	47.49	26.73	23.78
Barataria Waterway at Lafitte (USACE82875)	134.00	186.66	184.94	160.97	77.53	69.15	62.21	56.24	91.62	84.04	49.68	80.26
USGS2928590900040000 Barataria Waterway South of Lafitte	12.28	32.86	38.13	55.10	34.43	24.64	13.50	12.57	27.22	29.54	12.01	9.74
USGS7380251 Barataria Bay North of Grand Isle	14.47	18.63	23.38	22.59	17.50	11.29	9.17	11.09	14.99	18.60	11.90	11.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.86	33.10	38.08	43.18	28.35	17.64	13.22	11.76	17.95	23.53	12.16	8.95
USGS 07380335 - Little Lake Near Cutoff	13.38	43.81	51.72	55.01	31.25	20.17	14.89	10.54	17.76	24.49	13.25	10.04
USGS073802516 Barataria Pass at Grand Isle	9.29	29.35	37.08	44.09	29.73	19.38	16.53	11.62	13.10	20.27	11.60	8.83
HWQ14 - Lake Washington	7.58	15.44	21.36	23.04	19.72	11.60	8.92	8.88	9.44	14.50	10.52	8.71
HWQ16 - Bayou Grand Liard	17.87	50.56	73.22	75.61	37.28	23.73	18.46	12.79	16.14	21.13	13.59	11.87
CRMS 3985	23.62	24.87	22.98	15.65	13.28	9.01	6.95	12.32	16.63	20.59	15.02	16.37
CRMS 0258	22.65	70.52	76.43	82.94	44.26	39.13	23.12	22.07	48.35	44.85	18.00	15.04
CRMS 0224	12.26	54.03	57.91	70.04	38.36	28.60	16.46	15.07	34.01	35.48	14.58	10.64
CRMS 0163	177.28	209.36	205.26	171.74	86.89	76.22	70.60	69.57	111.86	88.23	64.88	105.54
CRMS 0162	163.36	191.12	177.09	157.42	80.55	82.26	89.55	77.02	79.57	71.97	34.21	73.84

V3PR4 HYST - cy 5 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	223.95	265.92	252.59	214.89	127.23	120.79	112.10	98.48	138.25	106.46	77.20	135.37
CRMS0276 - Just east of Wilkinson Canal	48.08	90.30	108.80	105.52	45.42	38.07	32.45	27.67	39.89	41.08	27.00	29.18
Barataria Waterway at Lafitte (USACE82875)	128.40	174.88	179.43	151.70	70.56	62.95	53.31	51.39	80.39	68.91	47.56	79.76
USGS2928590900040000 Barataria Waterway South of Lafitte	96.96	153.13	161.08	134.38	68.65	70.52	66.41	54.54	52.30	57.35	16.82	30.59
USGS7380251 Barataria Bay North of Grand Isle	37.57	67.72	89.53	81.63	41.94	38.22	33.75	21.15	21.00	25.83	11.50	13.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	51.65	93.58	125.92	95.23	51.31	48.69	46.55	29.36	27.39	41.92	13.89	14.30
USGS 07380335 - Little Lake Near Cutoff	27.27	74.88	101.96	81.73	44.55	39.31	34.52	18.39	20.20	35.48	14.92	12.63
USGS073802516 Barataria Pass at Grand Isle	25.57	50.15	81.15	66.00	36.09	28.37	26.92	17.38	17.02	29.30	13.27	10.87
HWQ14 - Lake Washington	25.51	39.53	59.96	53.67	30.21	24.01	22.68	15.58	13.63	25.06	10.73	10.13
HWQ16 - Bayou Grand Liard	16.06	51.41	70.08	70.45	35.55	24.57	17.22	12.19	15.32	20.00	15.27	14.59
CRMS 3985	29.28	37.42	44.97	45.12	26.26	21.08	19.15	12.82	13.93	16.58	12.04	16.01
CRMS 0258	51.64	103.71	101.02	88.30	49.99	55.28	56.87	51.55	46.13	51.28	16.70	21.19
CRMS 0224	54.44	112.77	118.79	94.29	52.73	55.08	53.02	40.80	34.65	50.08	14.79	17.02
CRMS 0163	167.77	191.27	197.30	161.83	79.26	67.84	63.53	65.93	98.87	68.03	62.04	90.53
CRMS 0162	126.58	138.72	160.38	144.57	69.19	72.25	82.44	57.75	45.37	49.40	34.86	62.37

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	209.66	243.56	223.20	174.88	100.10	103.05	98.52	84.98	119.00	84.11	66.34	125.92
CRMS0276 - Just east of Wilkinson Canal	-7.00	-17.17	-25.16	-11.49	-4.32	-4.68	0.79	4.39	-5.70	-6.41	0.27	5.40
Barataria Waterway at Lafitte (USACE82875)	-5.60	-11.78	-5.51	-9.26	-6.97	-6.19	-8.90	-4.85	-11.23	-15.13	-2.12	-0.51
USGS2928590900040000 Barataria Waterway South of Lafitte	84.67	120.27	122.94	79.28	34.21	45.87	52.90	41.96	25.08	27.81	4.81	20.85
USGS7380251 Barataria Bay North of Grand Isle	23.10	49.09	66.15	59.05	24.44	26.94	24.58	10.06	6.01	7.23	-0.40	2.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	41.79	60.48	87.84	52.05	22.96	31.04	33.33	17.60	9.44	18.39	1.72	5.35
USGS 07380335 - Little Lake Near Cutoff	13.89	31.07	50.24	26.72	13.30	19.13	19.63	7.86	2.44	10.99	1.68	2.59
USGS073802516 Barataria Pass at Grand Isle	16.28	20.79	44.08	21.91	6.36	8.99	10.39	5.76	3.91	9.03	1.67	2.04
HWQ14 - Lake Washington	17.93	24.08	38.60	30.63	10.49	12.41	13.76	6.70	4.19	10.56	0.21	1.42
HWQ16 - Bayou Grand Liard	-1.81	0.85	-3.13	-5.16	-1.73	0.84	-1.24	-0.60	-0.82	-1.14	1.68	2.73
CRMS 3985	5.65	12.54	21.99	29.46	12.98	12.06	12.20	0.50	-2.71	-4.01	-2.98	-0.36
CRMS 0258	28.99	33.19	24.58	5.35	5.73	16.15	33.75	29.47	-2.22	6.43	-1.30	6.15
CRMS 0224	42.18	58.74	60.88	24.25	14.37	26.47	36.56	25.73	0.65	14.60	0.21	6.38
CRMS 0163	-9.51	-18.09	-7.96	-9.90	-7.63	-8.38	-7.07	-3.64	-12.98	-20.20	-2.84	-15.01
CRMS 0162	-36.79	-52.40	-16.71	-12.85	-11.35	-10.01	-7.11	-19.27	-34.19	-22.58	0.66	-11.47

Figure WQ TSS 211 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.37	20.34	22.94	28.24	30.66	20.15	14.94	14.88	14.79	15.17	10.92	20.23
CRMS0276 - Just east of Wilkinson Canal	62.35	97.80	88.55	74.15	65.10	31.26	16.77	15.75	22.82	24.81	48.21	85.52
Barataria Waterway at Lafitte (USACE82875)	106.83	152.27	132.47	110.98	93.17	51.44	56.26	51.68	53.27	49.65	101.75	185.97
USGS2928590900040000 Barataria Waterway South of Lafitte	15.92	28.64	29.52	36.89	41.35	26.64	15.38	14.00	17.76	17.12	11.85	21.95
USGS7380251 Barataria Bay North of Grand Isle	15.53	15.18	15.62	16.48	17.79	12.56	10.90	14.89	14.20	14.83	13.51	19.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.72	29.76	30.53	28.63	29.64	19.17	11.40	10.05	12.80	13.48	14.94	20.42
USGS 07380335 - Little Lake Near Cutoff	24.82	40.34	39.77	35.15	33.43	19.45	9.64	9.00	11.07	13.79	19.26	27.18
USGS073802516 Barataria Pass at Grand Isle	18.52	27.89	30.44	29.83	29.60	19.77	12.22	10.13	9.78	12.52	13.59	19.59
HWQ14 - Lake Washington	12.38	13.97	16.58	17.13	18.29	12.68	8.60	8.66	9.84	11.59	10.09	12.78
HWQ16 - Bayou Grand Liard	28.71	51.92	56.41	45.38	43.03	18.75	9.41	13.24	11.44	12.46	21.13	35.93
CRMS 3985	21.96	17.19	12.15	11.35	12.92	9.45	12.06	19.96	17.71	16.97	20.02	27.97
CRMS 0258	31.02	57.97	50.90	52.46	56.63	35.80	19.55	14.94	28.29	23.93	24.17	50.22
CRMS 0224	22.29	46.28	41.82	43.45	47.18	27.70	14.85	12.51	21.52	18.17	19.44	32.36
CRMS 0163	129.33	174.49	151.72	123.94	102.71	55.62	72.19	65.41	65.74	58.07	141.11	224.60
CRMS 0162	122.34	158.54	130.81	107.18	93.20	57.84	89.12	59.33	29.77	31.53	76.05	191.40

V3PR4 HYST - cy 5 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.53	226.82	194.31	170.80	142.20	76.94	99.23	87.67	90.27	97.28	150.21	257.78
CRMS0276 - Just east of Wilkinson Canal	54.11	79.77	71.42	64.34	59.56	29.85	15.79	14.25	19.09	18.57	46.12	73.22
Barataria Waterway at Lafitte (USACE82875)	100.22	140.75	126.00	103.08	85.51	51.79	56.61	49.63	28.86	33.89	101.76	183.25
USGS2928590900040000 Barataria Waterway South of Lafitte	76.65	143.72	116.81	103.25	82.00	37.59	40.39	36.92	31.62	31.89	25.67	118.54
USGS7380251 Barataria Bay North of Grand Isle	35.55	65.87	63.06	58.23	50.96	19.48	11.90	12.01	9.75	7.95	13.05	45.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	53.61	97.47	89.78	70.56	61.44	25.43	13.06	11.40	13.35	12.25	15.06	66.69
USGS 07380335 - Little Lake Near Cutoff	39.09	72.83	71.64	57.43	52.69	23.81	10.36	9.35	10.25	11.60	16.65	44.81
USGS073802516 Barataria Pass at Grand Isle	35.17	56.25	57.00	46.78	41.86	23.13	12.56	9.59	9.49	10.27	12.10	30.45
HWQ14 - Lake Washington	30.95	46.75	40.89	38.44	34.49	17.48	9.42	8.12	8.28	8.04	9.33	27.07
HWQ16 - Bayou Grand Liard	25.55	49.55	50.75	43.99	40.61	19.38	9.21	11.87	10.82	10.92	18.29	31.23
CRMS 3985	28.31	33.06	30.46	30.74	30.68	14.49	9.73	10.14	5.82	4.96	15.36	32.18
CRMS 0258	56.03	83.12	68.45	61.43	61.04	35.86	23.66	18.87	22.93	18.92	24.31	79.10
CRMS 0224	57.98	95.13	82.56	68.61	63.77	30.46	17.13	14.83	19.03	14.60	19.74	76.21
CRMS 0163	122.27	159.81	144.15	113.63	95.84	53.61	71.27	57.49	28.79	37.76	136.04	211.35
CRMS 0162	101.92	137.69	119.22	97.75	81.39	44.13	63.41	46.93	23.29	25.60	65.28	140.58

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	144.16	206.48	171.37	142.56	111.54	56.79	84.30	72.78	75.48	82.11	139.29	237.56
CRMS0276 - Just east of Wilkinson Canal	-8.24	-18.03	-17.13	-9.81	-5.55	-1.41	-0.97	-1.50	-3.73	-6.24	-2.08	-12.30
Barataria Waterway at Lafitte (USACE82875)	-6.61	-11.52	-6.47	-7.90	-7.66	0.34	0.36	-2.05	-24.41	-15.77	0.01	-2.71
USGS2928590900040000 Barataria Waterway South of Lafitte	60.73	115.08	87.29	66.36	40.65	10.95	25.01	22.92	13.86	14.77	13.83	96.59
USGS7380251 Barataria Bay North of Grand Isle	20.02	50.69	47.44	41.75	33.17	6.92	0.99	-2.88	-4.45	-6.88	-0.46	26.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	34.89	67.71	59.25	41.93	31.80	6.26	1.66	1.36	0.55	-1.24	0.11	46.27
USGS 07380335 - Little Lake Near Cutoff	14.27	32.49	31.87	22.27	19.26	4.36	0.72	0.35	-0.81	-2.19	-2.61	17.64
USGS073802516 Barataria Pass at Grand Isle	16.65	28.36	26.56	16.95	12.26	3.36	0.35	-0.54	-0.29	-2.25	-1.49	10.86
HWQ14 - Lake Washington	18.57	32.78	24.30	21.30	16.20	4.80	0.82	-0.54	-1.56	-3.55	-0.75	14.29
HWQ16 - Bayou Grand Liard	-3.16	-2.37	-5.66	-1.38	-2.42	0.63	-0.20	-1.37	-0.61	-1.55	-2.84	-4.70
CRMS 3985	6.35	15.88	18.31	19.39	17.76	5.04	-2.32	-9.82	-11.89	-12.01	-4.66	4.21
CRMS 0258	25.01	25.15	17.54	8.97	4.41	0.06	4.11	3.93	-5.36	-5.01	0.14	28.88
CRMS 0224	35.69	48.85	40.74	25.16	16.59	2.76	2.29	2.33	-2.49	-3.58	0.30	43.86
CRMS 0163	-7.07	-14.68	-7.58	-10.30	-6.88	-2.01	-0.92	-7.91	-36.94	-20.31	-5.06	-13.25
CRMS 0162	-20.42	-20.85	-11.59	-9.42	-11.81	-13.71	-25.72	-12.40	-6.48	-5.93	-10.77	-50.82

Figure WQ TSS 212 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.33	21.19	19.19	43.67	37.35	23.32	15.51	15.64	12.65	14.69	19.81	22.70
CRMS0276 - Just east of Wilkinson Canal	39.98	141.97	99.52	124.65	95.13	51.34	16.55	12.17	15.47	26.67	84.57	81.61
Barataria Waterway at Lafitte (USACE82875)	97.18	222.57	169.46	145.97	142.92	98.21	48.15	33.46	22.84	102.99	159.19	156.77
USGS2928590900040000 Barataria Waterway South of Lafitte	10.33	33.88	25.30	64.27	52.12	33.53	15.30	13.99	12.90	14.74	22.11	27.47
USGS7380251 Barataria Bay North of Grand Isle	11.84	10.28	14.65	26.32	22.41	15.21	16.70	16.34	11.67	17.40	19.80	20.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.03	34.03	23.42	42.59	33.68	23.61	12.82	10.59	10.00	11.32	21.40	26.71
USGS 07380335 - Little Lake Near Cutoff	15.80	50.33	30.84	52.77	37.82	25.80	11.52	12.04	9.61	12.99	28.81	33.53
USGS073802516 Barataria Pass at Grand Isle	12.73	31.84	23.14	40.93	31.09	22.84	12.80	11.17	8.53	10.99	19.64	25.06
HWQ14 - Lake Washington	9.99	11.48	13.04	24.42	20.77	14.80	11.07	9.83	8.80	11.50	13.63	16.43
HWQ16 - Bayou Grand Liard	16.78	65.55	44.34	71.75	43.72	28.46	13.56	12.76	11.80	13.29	35.97	39.10
CRMS 3985	16.85	5.74	17.62	22.47	18.70	15.14	21.96	19.60	11.45	23.11	27.52	27.49
CRMS 0258	17.15	79.26	51.09	101.63	78.88	44.66	16.51	13.13	18.99	21.46	45.28	51.18
CRMS 0224	14.04	59.44	36.30	81.34	60.21	37.36	15.63	12.11	13.76	14.21	29.86	38.42
CRMS 0163	136.47	237.03	204.81	147.19	165.58	102.46	60.99	46.42	27.05	121.73	205.96	182.06
CRMS 0162	95.52	177.25	100.64	110.36	120.80	80.64	45.55	33.07	16.78	52.40	132.53	146.31

V3PR4 HYST - cy 5 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	174.37	256.57	232.06	157.16	199.16	118.38	88.73	58.59	51.23	166.90	202.51	173.54
CRMS0276 - Just east of Wilkinson Canal	34.77	119.45	88.78	118.08	78.89	46.19	14.67	12.16	14.68	19.24	80.64	74.75
Barataria Waterway at Lafitte (USACE82875)	96.19	212.99	169.08	145.76	139.71	100.43	33.96	17.51	21.71	53.73	165.07	164.17
USGS2928590900040000 Barataria Waterway South of Lafitte	40.81	140.01	106.17	61.20	108.01	41.09	36.43	30.84	22.33	43.09	34.01	33.95
USGS7380251 Barataria Bay North of Grand Isle	17.75	63.40	44.14	49.47	53.85	17.55	16.47	14.04	8.64	9.06	14.83	22.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.21	95.76	65.80	66.06	73.66	25.25	13.42	11.44	10.39	12.38	22.37	27.03
USGS 07380335 - Little Lake Near Cutoff	13.98	75.77	45.56	70.36	58.09	26.57	11.27	11.04	8.93	11.01	26.41	30.25
USGS073802516 Barataria Pass at Grand Isle	12.18	63.66	41.00	59.33	41.96	24.59	12.59	9.90	8.42	9.43	17.93	23.89
HWQ14 - Lake Washington	11.74	52.09	31.88	43.58	33.98	16.76	11.33	9.92	7.82	8.12	11.39	18.70
HWQ16 - Bayou Grand Liard	13.25	59.87	39.51	70.01	39.92	26.48	11.92	11.90	10.35	10.12	32.06	34.37
CRMS 3985	23.19	39.51	28.21	36.70	28.31	15.66	21.23	13.46	5.89	5.11	10.32	26.29
CRMS 0258	18.26	88.41	53.83	89.27	82.86	41.24	19.58	16.49	14.10	17.35	46.71	47.20
CRMS 0224	15.48	90.28	57.17	78.40	82.79	35.75	16.44	13.58	12.66	14.68	32.00	35.32
CRMS 0163	128.32	218.20	194.34	142.10	157.68	98.85	37.67	22.83	22.67	62.76	202.09	178.62
CRMS 0162	68.59	132.20	84.78	80.56	96.28	57.44	28.22	24.09	15.07	33.68	116.39	103.06

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.04	235.38	212.88	113.48	161.81	95.07	73.23	42.95	38.57	152.21	182.70	150.83
CRMS0276 - Just east of Wilkinson Canal	-5.22	-22.52	-10.73	-6.57	-16.25	-5.15	-1.88	-0.01	-0.79	-7.43	-3.93	-6.85
Barataria Waterway at Lafitte (USACE82875)	-1.00	-9.58	-0.38	-0.21	-3.20	2.22	-14.19	-15.95	-1.13	-49.26	5.87	7.40
USGS2928590900040000 Barataria Waterway South of Lafitte	30.48	106.13	80.88	-3.07	55.90	7.55	21.13	16.85	9.43	28.35	11.91	6.48
USGS7380251 Barataria Bay North of Grand Isle	5.91	53.12	29.49	23.15	31.43	2.34	-0.23	-2.30	-3.03	-8.34	-4.97	1.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.18	61.73	42.38	23.47	39.98	1.64	0.59	0.84	0.39	1.06	0.97	0.31
USGS 07380335 - Little Lake Near Cutoff	-1.82	25.43	14.71	17.59	20.27	0.78	-0.24	-1.00	-0.68	-1.98	-2.40	-3.28
USGS073802516 Barataria Pass at Grand Isle	-0.55	31.82	17.85	18.40	10.87	1.75	-0.20	-1.27	-0.10	-1.56	-1.71	-1.18
HWQ14 - Lake Washington	1.75	40.60	18.83	19.16	13.21	1.96	0.26	0.09	-0.98	-3.37	-2.23	2.27
HWQ16 - Bayou Grand Liard	-3.53	-5.68	-4.83	-1.75	-3.80	-1.98	-1.64	-0.85	-1.46	-3.17	-3.92	-4.73
CRMS 3985	6.34	33.76	10.58	14.23	9.61	0.52	-0.73	-6.13	-5.56	-18.00	-17.20	-1.21
CRMS 0258	1.11	9.14	2.74	-12.36	3.99	-3.42	3.07	3.35	-4.89	-4.12	1.43	-3.98
CRMS 0224	1.44	30.84	20.87	-2.94	22.57	-1.60	0.81	1.47	-1.11	0.46	2.14	-3.10
CRMS 0163	-8.15	-18.83	-10.47	-5.09	-7.91	-3.61	-23.31	-23.59	-4.38	-58.97	-3.86	-3.44
CRMS 0162	-26.92	-45.05	-15.86	-29.79	-24.52	-23.21	-17.33	-8.98	-1.72	-18.72	-16.14	-43.25

Figure WQ TSS 213 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.16	15.55	18.43	29.21	29.56	25.27	20.48	21.12	21.20	20.27	11.77	11.39
CRMS0276 - Just east of Wilkinson Canal	40.39	90.69	54.76	79.60	78.45	59.50	33.99	31.85	44.41	35.45	33.66	41.83
Barataria Waterway at Lafitte (USACE82875)	86.19	132.93	88.50	105.52	118.66	86.50	87.63	79.97	78.78	77.54	63.20	117.94
USGS2928590900040000 Barataria Waterway South of Lafitte	9.89	22.28	23.01	40.23	40.85	36.30	19.10	20.01	28.81	25.03	13.41	11.51
USGS7380251 Barataria Bay North of Grand Isle	10.33	11.27	12.21	16.04	17.45	14.36	18.09	19.27	17.34	18.15	12.53	13.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.02	24.47	22.48	28.79	27.16	24.01	14.57	14.37	19.18	19.65	13.04	10.78
USGS 07380335 - Little Lake Near Cutoff	14.71	35.73	27.57	36.20	30.94	27.87	14.89	12.57	18.37	18.75	14.75	12.97
USGS073802516 Barataria Pass at Grand Isle	11.12	24.17	22.02	29.04	26.66	24.66	16.35	12.99	14.73	17.08	12.10	10.55
HWQ14 - Lake Washington	7.84	10.55	13.34	16.04	16.91	13.38	11.06	11.22	12.26	14.49	10.70	9.28
HWQ16 - Bayou Grand Liard	18.65	49.51	33.52	47.01	38.21	35.14	18.42	15.42	17.30	15.21	15.91	16.94
CRMS 3985	14.69	11.97	9.17	10.76	12.98	12.28	23.40	23.70	20.42	21.08	16.09	20.23
CRMS 0258	18.58	49.07	36.23	59.93	60.98	51.98	29.06	29.57	45.78	35.82	20.83	22.26
CRMS 0224	12.78	38.89	29.98	49.23	46.34	39.44	18.51	18.73	35.00	28.30	16.18	14.36
CRMS 0163	112.31	145.49	109.23	112.05	132.44	95.14	100.90	96.54	92.12	89.01	81.69	150.25
CRMS 0162	104.04	132.42	77.53	98.26	108.08	100.12	128.74	105.16	58.56	52.02	45.61	106.26

V3PR4 HYST - cy 5 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.06	186.54	151.05	152.67	180.70	144.07	155.29	131.38	102.98	112.88	93.50	151.54
CRMS0276 - Just east of Wilkinson Canal	38.49	72.84	46.64	70.93	64.23	52.91	39.00	38.10	38.00	27.61	32.52	32.64
Barataria Waterway at Lafitte (USACE82875)	76.36	124.96	84.18	99.79	112.46	80.85	76.50	73.84	62.12	52.50	59.30	107.61
USGS2928590900040000 Barataria Waterway South of Lafitte	88.04	113.89	84.02	91.91	113.26	88.86	97.22	68.63	36.50	39.72	18.61	27.75
USGS7380251 Barataria Bay North of Grand Isle	34.49	59.57	35.42	55.69	62.19	42.90	37.18	28.30	16.46	17.76	14.67	15.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	49.85	80.72	57.15	66.89	74.97	59.63	62.32	44.71	21.09	18.73	14.61	13.47
USGS 07380335 - Little Lake Near Cutoff	30.33	61.44	41.57	57.38	60.72	48.80	43.19	29.23	18.12	16.34	15.72	12.16
USGS073802516 Barataria Pass at Grand Isle	25.71	50.17	34.86	46.91	42.30	35.30	31.44	24.91	15.23	15.21	13.13	10.95
HWQ14 - Lake Washington	23.77	41.48	26.49	38.49	36.13	28.76	27.37	22.89	12.28	14.09	11.85	11.22
HWQ16 - Bayou Grand Liard	15.89	44.03	31.03	44.74	37.51	35.07	19.07	15.33	16.00	13.19	16.38	13.97
CRMS 3985	20.64	28.68	18.36	30.50	30.35	24.40	19.57	16.09	14.90	19.00	17.11	20.06
CRMS 0258	46.66	61.47	43.95	64.72	71.53	68.31	77.95	62.32	41.64	30.02	19.35	19.99
CRMS 0224	51.35	71.94	51.81	67.68	75.44	68.34	73.64	54.12	32.89	24.57	16.55	14.49
CRMS 0163	100.18	135.77	102.66	104.08	124.62	86.77	91.92	91.73	61.68	53.32	76.03	129.02
CRMS 0162	88.77	120.54	69.82	87.74	93.72	86.59	112.42	81.71	36.90	34.20	43.06	79.23

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	148.90	170.99	132.62	123.46	151.15	118.81	134.81	110.25	81.78	92.61	81.73	140.15
CRMS0276 - Just east of Wilkinson Canal	-1.90	-17.85	-8.13	-8.67	-14.22	-6.59	5.01	6.26	-6.41	-7.84	-1.14	-9.20
Barataria Waterway at Lafitte (USACE82875)	-9.83	-7.97	-4.32	-5.73	-6.20	-5.65	-11.13	-6.12	-16.66	-25.03	-3.90	-10.33
USGS2928590900040000 Barataria Waterway South of Lafitte	78.15	91.61	61.01	51.68	72.41	52.56	78.12	48.63	7.69	14.69	5.20	16.24
USGS7380251 Barataria Bay North of Grand Isle	24.16	48.30	23.21	39.65	44.74	28.54	19.08	9.04	-0.88	-0.39	2.15	2.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	38.83	56.26	34.67	38.10	47.81	35.62	47.76	30.34	1.91	-0.91	1.57	2.69
USGS 07380335 - Little Lake Near Cutoff	15.61	25.72	14.01	21.17	29.79	20.93	28.30	16.66	-0.25	-2.41	0.98	-0.81
USGS073802516 Barataria Pass at Grand Isle	14.59	26.01	12.84	17.87	15.64	10.64	15.09	11.92	0.50	-1.86	1.03	0.39
HWQ14 - Lake Washington	15.93	30.92	13.15	22.46	19.22	15.38	16.31	11.67	0.02	-0.40	1.15	1.94
HWQ16 - Bayou Grand Liard	-2.76	-5.48	-2.48	-2.27	-0.70	-0.06	0.65	-0.09	-1.29	-2.02	0.47	-2.97
CRMS 3985	5.95	16.71	9.18	19.74	17.37	12.12	-3.82	-7.61	-5.52	-2.08	1.02	-0.17
CRMS 0258	28.08	12.40	7.73	4.79	10.55	16.34	48.89	32.75	-4.14	-5.80	-1.49	-2.27
CRMS 0224	38.57	33.05	21.84	18.45	29.10	28.90	55.13	35.39	-2.11	-3.73	0.37	0.12
CRMS 0163	-12.14	-9.72	-6.57	-7.96	-7.82	-8.37	-8.98	-4.81	-30.44	-35.69	-5.66	-21.24
CRMS 0162	-15.27	-11.88	-7.72	-10.53	-14.36	-13.53	-16.31	-23.46	-21.66	-17.82	-2.55	-27.04

Figure WQ TSS 214 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.12	9.54	24.21	44.25	44.38	26.93	17.49	17.84	16.85	18.09	10.40	22.62
CRMS0276 - Just east of Wilkinson Canal	68.67	49.83	141.99	118.50	134.12	41.82	22.47	22.01	33.97	28.30	31.51	126.59
Barataria Waterway at Lafitte (USACE82875)	114.05	102.33	238.26	159.19	185.79	61.74	56.25	54.53	61.62	57.87	67.94	241.48
USGS2928590900040000 Barataria Waterway South of Lafitte	17.70	15.28	27.92	60.08	64.67	35.70	17.07	16.61	23.07	22.67	11.26	26.13
USGS7380251 Barataria Bay North of Grand Isle	15.14	7.37	15.02	24.90	23.28	16.02	14.19	15.95	14.08	16.07	11.76	20.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.11	18.70	26.79	46.66	43.00	27.61	13.25	12.15	15.45	17.46	12.85	23.51
USGS 07380335 - Little Lake Near Cutoff	33.26	24.12	39.49	58.35	54.42	29.87	12.37	9.48	14.09	16.59	15.53	35.15
USGS073802516 Barataria Pass at Grand Isle	25.02	17.53	27.88	46.92	42.46	28.77	15.08	11.14	12.03	15.19	11.90	24.44
HWQ14 - Lake Washington	14.84	9.21	13.37	24.84	23.25	17.18	10.02	9.77	10.40	13.02	9.58	13.01
HWQ16 - Bayou Grand Liard	36.01	27.13	71.94	75.96	78.40	34.05	12.57	11.68	13.37	13.19	16.57	53.84
CRMS 3985	20.08	8.19	11.23	16.81	16.87	12.23	16.46	19.14	16.54	18.05	16.06	29.48
CRMS 0258	34.42	31.91	63.67	88.14	98.18	41.24	23.99	23.91	36.65	31.83	17.28	60.54
CRMS 0224	29.25	27.80	41.22	74.71	80.04	36.48	16.62	15.91	28.12	25.27	14.29	37.87
CRMS 0163	136.28	115.90	282.66	171.31	201.30	67.04	68.40	69.23	73.98	60.18	98.39	277.55
CRMS 0162	123.25	67.85	215.81	150.43	176.66	72.23	88.52	72.28	38.42	31.45	49.79	255.90

V3PR4 HYST - cy 5 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	144.51	137.32	346.07	223.42	245.83	107.56	113.97	87.58	84.96	82.36	129.78	338.17
CRMS0276 - Just east of Wilkinson Canal	61.98	49.17	109.04	105.82	120.89	39.74	28.58	24.61	29.09	22.37	31.43	92.14
Barataria Waterway at Lafitte (USACE82875)	110.81	76.83	229.70	147.44	172.46	56.03	48.48	54.19	41.95	35.47	65.67	232.64
USGS2928590900040000 Barataria Waterway South of Lafitte	39.55	28.10	219.73	146.28	161.72	57.11	69.33	37.49	31.43	33.53	30.32	223.46
USGS7380251 Barataria Bay North of Grand Isle	33.12	15.89	97.35	85.28	96.02	34.99	28.74	16.45	14.63	16.32	16.07	90.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	44.05	22.41	159.08	101.52	116.78	42.33	44.67	19.31	16.81	16.15	14.58	159.74
USGS 07380335 - Little Lake Near Cutoff	44.31	27.02	112.35	86.77	97.99	37.01	30.32	14.12	13.54	14.16	14.75	104.98
USGS073802516 Barataria Pass at Grand Isle	38.48	20.29	82.65	70.40	69.10	31.46	23.27	15.08	11.88	13.39	11.99	82.28
HWQ14 - Lake Washington	33.06	14.10	59.42	57.65	56.35	25.70	20.40	13.16	10.45	12.85	11.05	60.29
HWQ16 - Bayou Grand Liard	32.01	29.54	63.39	73.70	72.78	32.42	13.84	12.03	12.24	11.78	15.52	47.84
CRMS 3985	33.33	19.19	51.67	48.47	51.59	23.05	15.52	11.57	14.59	17.34	17.44	42.35
CRMS 0258	43.19	33.00	121.89	94.95	110.30	46.82	57.69	35.71	32.35	26.30	18.87	110.98
CRMS 0224	45.59	30.38	149.64	102.39	117.86	46.56	53.80	24.84	26.07	21.02	16.65	136.38
CRMS 0163	132.99	84.18	270.78	153.78	192.26	59.69	62.06	67.64	42.33	34.66	92.38	265.47
CRMS 0162	102.90	56.78	189.55	135.87	155.32	63.68	78.63	54.81	28.52	27.38	43.91	211.39

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.40	127.78	321.86	179.17	201.45	80.63	96.47	69.74	68.11	64.27	119.38	315.55
CRMS0276 - Just east of Wilkinson Canal	-6.69	-0.66	-32.96	-12.68	-13.22	-2.08	6.11	2.60	-4.88	-5.93	-0.08	-34.44
Barataria Waterway at Lafitte (USACE82875)	-3.25	-25.51	-8.56	-11.75	-13.34	-5.71	-7.77	-0.34	-19.67	-22.40	-2.26	-8.84
USGS2928590900040000 Barataria Waterway South of Lafitte	21.85	12.82	191.81	86.20	97.04	21.41	52.26	20.88	8.36	10.85	19.06	197.33
USGS7380251 Barataria Bay North of Grand Isle	17.98	8.51	82.33	60.38	72.74	18.97	14.55	0.50	0.55	0.25	4.31	69.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.95	3.71	132.29	54.86	73.79	14.71	31.43	7.17	1.35	-1.30	1.73	136.23
USGS 07380335 - Little Lake Near Cutoff	11.05	2.90	72.86	28.41	43.56	7.14	17.95	4.64	-0.55	-2.43	-0.78	69.82
USGS073802516 Barataria Pass at Grand Isle	13.46	2.76	54.77	23.48	26.64	2.69	8.20	3.94	-0.15	-1.81	0.09	57.83
HWQ14 - Lake Washington	18.22	4.89	46.05	32.81	33.10	8.52	10.38	3.40	0.05	-0.17	1.48	47.28
HWQ16 - Bayou Grand Liard	-4.00	2.41	-8.55	-2.26	-5.62	-1.63	1.26	0.35	-1.13	-1.41	-1.05	-6.00
CRMS 3985	13.25	11.00	40.44	31.66	34.73	10.82	-0.93	-7.57	-1.96	-0.71	1.38	12.87
CRMS 0258	8.77	1.09	58.22	6.81	12.12	5.59	33.70	11.80	-4.30	-5.53	1.59	50.44
CRMS 0224	16.34	2.59	108.42	27.67	37.83	10.08	37.19	8.93	-2.05	-4.24	2.36	98.51
CRMS 0163	-3.30	-31.71	-11.88	-17.53	-9.03	-7.35	-6.34	-1.59	-31.65	-25.53	-6.01	-12.08
CRMS 0162	-20.34	-11.07	-26.26	-14.56	-21.34	-8.55	-9.90	-17.47	-9.90	-4.08	-5.88	-44.51

Figure WQ TSS 215 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.29	22.36	29.39	40.01	27.13	17.74	13.58	13.49	19.25	22.35	10.86	9.45
CRMS0276 - Just east of Wilkinson Canal	55.08	107.48	133.96	117.01	49.74	42.75	31.66	23.28	45.59	47.49	26.73	23.78
Barataria Waterway at Lafitte (USACE82875)	134.00	186.66	184.94	160.97	77.53	69.15	62.21	56.24	91.62	84.04	49.68	80.26
USGS2928590900040000 Barataria Waterway South of Lafitte	12.28	32.86	38.13	55.10	34.43	24.64	13.50	12.57	27.22	29.54	12.01	9.74
USGS7380251 Barataria Bay North of Grand Isle	14.47	18.63	23.38	22.59	17.50	11.29	9.17	11.09	14.99	18.60	11.90	11.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.86	33.10	38.08	43.18	28.35	17.64	13.22	11.76	17.95	23.53	12.16	8.95
USGS 07380335 - Little Lake Near Cutoff	13.38	43.81	51.72	55.01	31.25	20.17	14.89	10.54	17.76	24.49	13.25	10.04
USGS073802516 Barataria Pass at Grand Isle	9.29	29.35	37.08	44.09	29.73	19.38	16.53	11.62	13.10	20.27	11.60	8.83
HWQ14 - Lake Washington	7.58	15.44	21.36	23.04	19.72	11.60	8.92	8.88	9.44	14.50	10.52	8.71
HWQ16 - Bayou Grand Liard	17.87	50.56	73.22	75.61	37.28	23.73	18.46	12.79	16.14	21.13	13.59	11.87
CRMS 3985	23.62	24.87	22.98	15.65	13.28	9.01	6.95	12.32	16.63	20.59	15.02	16.37
CRMS 0258	22.65	70.52	76.43	82.94	44.26	39.13	23.12	22.07	48.35	44.85	18.00	15.04
CRMS 0224	12.26	54.03	57.91	70.04	38.36	28.60	16.46	15.07	34.01	35.48	14.58	10.64
CRMS 0163	177.28	209.36	205.26	171.74	86.89	76.22	70.60	69.57	111.86	88.23	64.88	105.54
CRMS 0162	163.36	191.12	177.09	157.42	80.55	82.26	89.55	77.02	79.57	71.97	34.21	73.84

V3PR5 HYST - cy 5 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	224.60	266.41	252.89	215.18	127.43	120.89	112.11	98.72	138.92	106.96	77.61	136.41
CRMS0276 - Just east of Wilkinson Canal	46.48	89.55	107.62	105.53	45.08	37.36	31.14	26.78	39.65	40.45	26.77	28.74
Barataria Waterway at Lafitte (USACE82875)	126.80	173.75	178.19	151.31	70.50	62.50	52.89	52.38	80.34	70.56	47.79	78.10
USGS2928590900040000 Barataria Waterway South of Lafitte	109.66	161.58	174.98	143.68	74.48	74.91	70.67	55.42	48.86	56.29	18.15	32.46
USGS7380251 Barataria Bay North of Grand Isle	48.86	83.54	107.36	91.22	46.25	44.65	41.14	27.43	26.00	30.56	12.05	14.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	46.99	87.37	118.59	91.40	50.10	47.06	44.60	28.03	26.05	40.40	13.76	14.16
USGS 07380335 - Little Lake Near Cutoff	24.50	69.15	94.72	78.64	43.64	37.98	32.76	17.49	19.29	33.89	14.33	12.48
USGS073802516 Barataria Pass at Grand Isle	23.98	48.09	77.77	65.25	36.00	28.38	26.50	17.27	16.69	28.67	13.14	10.80
HWQ14 - Lake Washington	26.64	41.27	62.87	55.24	31.40	25.28	24.02	16.32	14.32	25.67	11.10	10.21
HWQ16 - Bayou Grand Liard	15.33	49.64	67.55	69.34	35.06	23.88	16.61	11.98	14.90	19.79	14.91	14.35
CRMS 3985	32.51	44.42	56.20	51.05	29.75	25.87	25.26	16.38	15.14	18.90	12.46	16.04
CRMS 0258	43.74	95.80	95.99	86.87	49.31	53.94	54.96	48.34	45.77	49.28	16.24	20.70
CRMS 0224	45.03	100.99	109.00	89.84	50.99	53.12	51.13	37.78	33.52	47.61	14.35	16.15
CRMS 0163	167.09	190.81	196.40	162.08	79.11	67.74	62.97	66.50	98.13	70.06	62.04	89.45
CRMS 0162	126.61	140.14	165.07	143.94	71.17	72.29	82.39	57.91	46.12	52.90	35.00	61.77

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	210.32	244.05	223.50	175.17	100.30	103.15	98.54	85.22	119.67	84.61	66.75	126.96
CRMS0276 - Just east of Wilkinson Canal	-8.60	-17.93	-26.34	-11.48	-4.66	-5.40	-0.53	3.50	-5.94	-7.03	0.03	4.96
Barataria Waterway at Lafitte (USACE82875)	-7.20	-12.91	-6.75	-9.66	-7.03	-6.65	-9.32	-3.86	-11.28	-13.49	-1.89	-2.17
USGS2928590900040000 Barataria Waterway South of Lafitte	97.37	128.72	136.85	88.57	40.05	50.27	57.17	42.85	21.64	26.74	6.14	22.72
USGS7380251 Barataria Bay North of Grand Isle	34.39	64.91	83.99	68.64	28.75	33.36	31.97	16.34	11.02	11.96	0.15	2.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	37.13	54.27	80.51	48.22	21.74	29.41	31.38	16.28	8.10	16.87	1.60	5.21
USGS 07380335 - Little Lake Near Cutoff	11.12	25.35	43.00	23.63	12.38	17.80	17.87	6.95	1.53	9.39	1.09	2.44
USGS073802516 Barataria Pass at Grand Isle	14.70	18.73	40.69	21.16	6.27	9.00	9.97	5.64	3.59	8.40	1.54	1.97
HWQ14 - Lake Washington	19.06	25.83	41.51	32.20	11.68	13.68	15.11	7.44	4.88	11.17	0.58	1.50
HWQ16 - Bayou Grand Liard	-2.54	-0.92	-5.66	-6.26	-2.22	0.14	-1.85	-0.81	-1.24	-1.34	1.32	2.48
CRMS 3985	8.89	19.54	33.22	35.40	16.47	16.86	18.31	4.06	-1.49	-1.69	-2.56	-0.33
CRMS 0258	21.09	25.28	19.56	3.93	5.05	14.81	31.84	26.26	-2.58	4.43	-1.76	5.65
CRMS 0224	32.78	46.96	51.09	19.80	12.63	24.52	34.67	22.71	-0.49	12.13	-0.22	5.51
CRMS 0163	-10.19	-18.55	-8.87	-9.66	-7.78	-8.48	-7.63	-3.07	-13.72	-18.17	-2.83	-16.09
CRMS 0162	-36.76	-50.98	-12.02	-13.48	-9.37	-9.97	-7.16	-19.12	-33.44	-19.07	0.80	-12.07

Figure WQ TSS 216 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.37	20.34	22.94	28.24	30.66	20.15	14.94	14.88	14.79	15.17	10.92	20.23
CRMS0276 - Just east of Wilkinson Canal	62.35	97.80	88.55	74.15	65.10	31.26	16.77	15.75	22.82	24.81	48.21	85.52
Barataria Waterway at Lafitte (USACE82875)	106.83	152.27	132.47	110.98	93.17	51.44	56.26	51.68	53.27	49.65	101.75	185.97
USGS2928590900040000 Barataria Waterway South of Lafitte	15.92	28.64	29.52	36.89	41.35	26.64	15.38	14.00	17.76	17.12	11.85	21.95
USGS7380251 Barataria Bay North of Grand Isle	15.53	15.18	15.62	16.48	17.79	12.56	10.90	14.89	14.20	14.83	13.51	19.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.72	29.76	30.53	28.63	29.64	19.17	11.40	10.05	12.80	13.48	14.94	20.42
USGS 07380335 - Little Lake Near Cutoff	24.82	40.34	39.77	35.15	33.43	19.45	9.64	9.00	11.07	13.79	19.26	27.18
USGS073802516 Barataria Pass at Grand Isle	18.52	27.89	30.44	29.83	29.60	19.77	12.22	10.13	9.78	12.52	13.59	19.59
HWQ14 - Lake Washington	12.38	13.97	16.58	17.13	18.29	12.68	8.60	8.66	9.84	11.59	10.09	12.78
HWQ16 - Bayou Grand Liard	28.71	51.92	56.41	45.38	43.03	18.75	9.41	13.24	11.44	12.46	21.13	35.93
CRMS 3985	21.96	17.19	12.15	11.35	12.92	9.45	12.06	19.96	17.71	16.97	20.02	27.97
CRMS 0258	31.02	57.97	50.90	52.46	56.63	35.80	19.55	14.94	28.29	23.93	24.17	50.22
CRMS 0224	22.29	46.28	41.82	43.45	47.18	27.70	14.85	12.51	21.52	18.17	19.44	32.36
CRMS 0163	129.33	174.49	151.72	123.94	102.71	55.62	72.19	65.41	65.74	58.07	141.11	224.60
CRMS 0162	122.34	158.54	130.81	107.18	93.20	57.84	89.12	59.33	29.77	31.53	76.05	191.40

V3PR5 HYST - cy 5 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.79	226.94	194.55	171.01	142.39	77.16	99.68	88.17	91.02	98.39	151.11	258.21
CRMS0276 - Just east of Wilkinson Canal	53.14	78.46	70.11	63.33	59.29	29.72	15.74	14.38	18.65	18.23	46.33	72.34
Barataria Waterway at Lafitte (USACE82875)	99.77	140.09	125.25	102.14	85.12	52.34	56.14	49.47	28.34	32.69	101.82	182.75
USGS2928590900040000 Barataria Waterway South of Lafitte	84.37	151.78	128.00	110.85	88.32	37.02	40.41	36.19	28.01	29.55	28.07	126.48
USGS7380251 Barataria Bay North of Grand Isle	45.28	83.58	75.29	66.06	56.27	21.57	13.22	13.11	10.95	8.89	13.62	58.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	50.28	90.13	84.65	66.59	59.73	25.56	13.49	11.65	13.08	12.06	15.08	61.01
USGS 07380335 - Little Lake Near Cutoff	36.76	67.21	67.40	54.82	51.44	23.62	10.53	9.37	10.07	11.48	16.45	41.28
USGS073802516 Barataria Pass at Grand Isle	33.91	53.41	54.90	45.86	41.77	23.17	12.75	9.65	9.43	10.12	12.09	29.26
HWQ14 - Lake Washington	32.20	47.90	42.69	39.44	35.97	18.05	9.81	8.41	8.46	8.27	9.64	27.96
HWQ16 - Bayou Grand Liard	25.06	47.86	49.26	42.89	40.01	19.08	9.34	11.93	10.81	10.91	18.39	31.12
CRMS 3985	32.45	40.99	37.30	35.67	34.73	15.80	10.25	10.44	6.08	5.20	15.60	36.01
CRMS 0258	49.82	78.56	65.47	59.59	60.32	35.16	22.10	17.36	22.27	16.88	24.31	72.01
CRMS 0224	51.09	86.27	76.01	64.51	61.63	30.03	16.89	14.42	18.15	13.83	18.95	66.37
CRMS 0163	122.37	159.47	144.22	112.48	95.51	54.68	70.82	57.56	28.97	37.21	136.74	212.00
CRMS 0162	102.00	138.18	118.13	96.68	81.75	45.77	62.48	46.97	22.90	25.16	64.78	141.54

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	144.42	206.60	171.62	142.76	111.73	57.01	84.74	73.28	76.23	83.22	140.19	237.98
CRMS0276 - Just east of Wilkinson Canal	-9.21	-19.34	-18.45	-10.82	-5.82	-1.54	-1.03	-1.37	-4.17	-6.58	-1.88	-13.19
Barataria Waterway at Lafitte (USACE82875)	-7.06	-12.18	-7.23	-8.84	-8.05	0.90	-0.12	-2.22	-24.93	-16.96	0.08	-3.22
USGS2928590900040000 Barataria Waterway South of Lafitte	68.45	123.14	98.48	73.96	46.98	10.38	25.03	22.18	10.25	12.43	16.22	104.54
USGS7380251 Barataria Bay North of Grand Isle	29.75	68.40	59.67	49.58	38.48	9.01	2.31	-1.79	-3.25	-5.94	0.11	39.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	31.57	60.37	54.13	37.96	30.09	6.39	2.09	1.61	0.28	-1.42	0.14	40.59
USGS 07380335 - Little Lake Near Cutoff	11.94	26.87	27.64	19.67	18.00	4.17	0.89	0.37	-0.99	-2.31	-2.81	14.11
USGS073802516 Barataria Pass at Grand Isle	15.39	25.52	24.46	16.03	12.17	3.40	0.53	-0.48	-0.35	-2.40	-1.50	9.68
HWQ14 - Lake Washington	19.82	33.93	26.11	22.31	17.67	5.37	1.21	-0.26	-1.38	-3.32	-0.45	15.18
HWQ16 - Bayou Grand Liard	-3.65	-4.06	-7.15	-2.49	-3.02	0.33	-0.07	-1.31	-0.63	-1.55	-2.74	-4.81
CRMS 3985	10.49	23.81	25.15	24.32	21.81	6.36	-1.81	-9.51	-11.63	-11.77	-4.42	8.03
CRMS 0258	18.80	20.59	14.57	7.13	3.69	-0.65	2.56	2.42	-6.02	-7.05	0.14	21.79
CRMS 0224	28.80	39.99	34.19	21.06	14.45	2.33	2.05	1.91	-3.37	-4.34	-0.49	34.01
CRMS 0163	-6.96	-15.02	-7.50	-11.46	-7.21	-0.94	-1.37	-7.85	-36.76	-20.85	-4.36	-12.59
CRMS 0162	-20.34	-20.37	-12.68	-10.49	-11.46	-12.07	-26.65	-12.36	-6.87	-6.37	-11.27	-49.86

Figure WQ TSS 217 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.33	21.19	19.19	43.67	37.35	23.32	15.51	15.64	12.65	14.69	19.81	22.70
CRMS0276 - Just east of Wilkinson Canal	39.98	141.97	99.52	124.65	95.13	51.34	16.55	12.17	15.47	26.67	84.57	81.61
Barataria Waterway at Lafitte (USACE82875)	97.18	222.57	169.46	145.97	142.92	98.21	48.15	33.46	22.84	102.99	159.19	156.77
USGS2928590900040000 Barataria Waterway South of Lafitte	10.33	33.88	25.30	64.27	52.12	33.53	15.30	13.99	12.90	14.74	22.11	27.47
USGS7380251 Barataria Bay North of Grand Isle	11.84	10.28	14.65	26.32	22.41	15.21	16.70	16.34	11.67	17.40	19.80	20.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.03	34.03	23.42	42.59	33.68	23.61	12.82	10.59	10.00	11.32	21.40	26.71
USGS 07380335 - Little Lake Near Cutoff	15.80	50.33	30.84	52.77	37.82	25.80	11.52	12.04	9.61	12.99	28.81	33.53
USGS073802516 Barataria Pass at Grand Isle	12.73	31.84	23.14	40.93	31.09	22.84	12.80	11.17	8.53	10.99	19.64	25.06
HWQ14 - Lake Washington	9.99	11.48	13.04	24.42	20.77	14.80	11.07	9.83	8.80	11.50	13.63	16.43
HWQ16 - Bayou Grand Liard	16.78	65.55	44.34	71.75	43.72	28.46	13.56	12.76	11.80	13.29	35.97	39.10
CRMS 3985	16.85	5.74	17.62	22.47	18.70	15.14	21.96	19.60	11.45	23.11	27.52	27.49
CRMS 0258	17.15	79.26	51.09	101.63	78.88	44.66	16.51	13.13	18.99	21.46	45.28	51.18
CRMS 0224	14.04	59.44	36.30	81.34	60.21	37.36	15.63	12.11	13.76	14.21	29.86	38.42
CRMS 0163	136.47	237.03	204.81	147.19	165.58	102.46	60.99	46.42	27.05	121.73	205.96	182.06
CRMS 0162	95.52	177.25	100.64	110.36	120.80	80.64	45.55	33.07	16.78	52.40	132.53	146.31

V3PR5 HYST - cy 5 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	174.87	256.64	232.16	157.20	199.04	118.88	88.96	58.83	51.74	169.14	203.73	174.87
CRMS0276 - Just east of Wilkinson Canal	34.23	117.55	88.30	116.35	78.39	43.32	14.60	11.84	14.45	19.20	80.31	72.82
Barataria Waterway at Lafitte (USACE82875)	95.18	211.54	168.69	143.90	139.99	101.28	34.21	18.28	21.53	55.24	164.16	158.95
USGS2928590900040000 Barataria Waterway South of Lafitte	46.88	144.89	113.21	62.37	113.82	40.40	36.71	30.55	19.82	39.39	36.78	35.15
USGS7380251 Barataria Bay North of Grand Isle	19.59	79.74	55.10	53.14	64.97	19.52	17.41	14.79	9.48	10.50	15.56	23.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	16.12	88.32	60.89	64.62	69.63	25.43	13.97	11.67	10.19	12.35	22.59	26.58
USGS 07380335 - Little Lake Near Cutoff	13.68	69.90	41.80	68.11	54.77	26.20	11.37	11.03	8.75	10.97	26.30	29.44
USGS073802516 Barataria Pass at Grand Isle	12.05	60.22	39.96	57.77	41.12	24.27	12.66	9.97	8.39	9.40	17.91	23.33
HWQ14 - Lake Washington	11.89	53.04	32.15	44.71	35.55	17.39	11.79	10.18	7.95	8.47	11.74	18.79
HWQ16 - Bayou Grand Liard	13.17	58.07	38.63	66.65	39.02	25.88	11.80	11.77	10.21	10.21	31.44	33.20
CRMS 3985	23.38	45.86	31.72	40.14	33.64	17.03	21.47	13.64	6.07	5.48	10.60	26.34
CRMS 0258	17.12	83.13	50.98	88.96	78.61	39.64	17.77	15.08	13.22	16.46	46.35	46.06
CRMS 0224	14.55	81.47	50.30	77.09	75.99	35.12	16.25	13.25	12.01	14.08	31.57	34.43
CRMS 0163	127.79	217.41	194.39	140.20	155.75	98.96	37.72	23.99	22.51	63.69	202.31	176.45
CRMS 0162	68.20	132.28	81.29	82.99	95.17	56.55	28.50	24.35	15.26	32.88	116.37	105.37

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	164.54	235.45	212.97	113.52	161.69	95.56	73.46	43.19	39.08	154.46	183.92	152.16
CRMS0276 - Just east of Wilkinson Canal	-5.75	-24.42	-11.21	-8.29	-16.74	-8.03	-1.95	-0.33	-1.03	-7.47	-4.26	-8.79
Barataria Waterway at Lafitte (USACE82875)	-2.00	-11.03	-0.77	-2.07	-2.93	3.07	-13.94	-15.19	-1.31	-47.75	4.96	2.18
USGS2928590900040000 Barataria Waterway South of Lafitte	36.55	111.01	87.91	-1.90	61.70	6.86	21.41	16.56	6.92	24.65	14.67	7.67
USGS7380251 Barataria Bay North of Grand Isle	7.76	69.46	40.45	26.82	42.55	4.31	0.71	-1.55	-2.19	-6.90	-4.24	2.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	3.09	54.30	37.46	22.03	35.95	1.82	1.15	1.07	0.19	1.03	1.19	-0.13
USGS 07380335 - Little Lake Near Cutoff	-2.12	19.57	10.96	15.34	16.95	0.40	-0.14	-1.00	-0.86	-2.03	-2.50	-4.09
USGS073802516 Barataria Pass at Grand Isle	-0.68	28.38	16.81	16.84	10.02	1.43	-0.13	-1.20	-0.14	-1.59	-1.73	-1.73
HWQ14 - Lake Washington	1.90	41.56	19.10	20.29	14.78	2.59	0.72	0.35	-0.85	-3.02	-1.89	2.35
HWQ16 - Bayou Grand Liard	-3.61	-7.48	-5.71	-5.11	-4.70	-2.58	-1.76	-0.98	-1.60	-3.08	-4.53	-5.90
CRMS 3985	6.53	40.12	14.10	17.67	14.93	1.89	-0.49	-5.95	-5.38	-17.63	-16.92	-1.15
CRMS 0258	-0.03	3.86	-0.11	-12.67	-0.27	-5.02	1.26	1.95	-5.77	-5.00	1.07	-5.12
CRMS 0224	0.50	22.03	14.00	-4.25	15.78	-2.24	0.61	1.14	-1.75	-0.14	1.72	-3.99
CRMS 0163	-8.69	-19.63	-10.42	-6.98	-9.83	-3.50	-23.27	-22.43	-4.54	-58.04	-3.64	-5.60
CRMS 0162	-27.32	-44.97	-19.35	-27.36	-25.63	-24.09	-17.05	-8.72	-1.52	-19.52	-16.16	-40.94

Figure WQ TSS 218 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.16	15.55	18.43	29.21	29.56	25.27	20.48	21.12	21.20	20.27	11.77	11.39
CRMS0276 - Just east of Wilkinson Canal	40.39	90.69	54.76	79.60	78.45	59.50	33.99	31.85	44.41	35.45	33.66	41.83
Barataria Waterway at Lafitte (USACE82875)	86.19	132.93	88.50	105.52	118.66	86.50	87.63	79.97	78.78	77.54	63.20	117.94
USGS2928590900040000 Barataria Waterway South of Lafitte	9.89	22.28	23.01	40.23	40.85	36.30	19.10	20.01	28.81	25.03	13.41	11.51
USGS7380251 Barataria Bay North of Grand Isle	10.33	11.27	12.21	16.04	17.45	14.36	18.09	19.27	17.34	18.15	12.53	13.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.02	24.47	22.48	28.79	27.16	24.01	14.57	14.37	19.18	19.65	13.04	10.78
USGS 07380335 - Little Lake Near Cutoff	14.71	35.73	27.57	36.20	30.94	27.87	14.89	12.57	18.37	18.75	14.75	12.97
USGS073802516 Barataria Pass at Grand Isle	11.12	24.17	22.02	29.04	26.66	24.66	16.35	12.99	14.73	17.08	12.10	10.55
HWQ14 - Lake Washington	7.84	10.55	13.34	16.04	16.91	13.38	11.06	11.22	12.26	14.49	10.70	9.28
HWQ16 - Bayou Grand Liard	18.65	49.51	33.52	47.01	38.21	35.14	18.42	15.42	17.30	15.21	15.91	16.94
CRMS 3985	14.69	11.97	9.17	10.76	12.98	12.28	23.40	23.70	20.42	21.08	16.09	20.23
CRMS 0258	18.58	49.07	36.23	59.93	60.98	51.98	29.06	29.57	45.78	35.82	20.83	22.26
CRMS 0224	12.78	38.89	29.98	49.23	46.34	39.44	18.51	18.73	35.00	28.30	16.18	14.36
CRMS 0163	112.31	145.49	109.23	112.05	132.44	95.14	100.90	96.54	92.12	89.01	81.69	150.25
CRMS 0162	104.04	132.42	77.53	98.26	108.08	100.12	128.74	105.16	58.56	52.02	45.61	106.26

V3PR5 HYST - cy 5 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	159.15	186.77	150.99	152.77	180.71	144.03	155.16	131.69	103.72	114.26	93.92	152.62
CRMS0276 - Just east of Wilkinson Canal	37.37	71.77	46.40	71.04	62.18	51.95	36.23	36.32	37.95	26.90	32.33	34.74
Barataria Waterway at Lafitte (USACE82875)	75.74	124.30	83.85	99.20	112.02	80.43	74.99	74.74	61.47	50.94	59.27	109.80
USGS2928590900040000 Barataria Waterway South of Lafitte	95.72	122.86	89.95	97.17	119.86	93.00	101.83	70.34	32.51	36.65	20.00	28.98
USGS7380251 Barataria Bay North of Grand Isle	44.43	71.43	45.99	62.83	72.77	53.11	51.96	37.48	18.30	19.02	14.78	16.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	46.25	75.59	52.64	64.17	70.82	57.05	58.37	42.64	20.86	18.46	14.75	13.31
USGS 07380335 - Little Lake Near Cutoff	28.34	57.23	38.14	55.36	57.11	46.77	39.84	26.98	17.85	16.01	15.96	12.25
USGS073802516 Barataria Pass at Grand Isle	25.03	48.04	33.47	46.35	41.55	35.29	30.49	24.02	15.32	15.09	13.05	10.97
HWQ14 - Lake Washington	24.83	42.40	26.87	39.80	37.63	30.63	28.93	23.93	12.85	14.48	11.95	11.17
HWQ16 - Bayou Grand Liard	15.65	42.65	30.61	44.08	35.59	34.07	17.93	14.74	15.78	13.14	16.29	14.68
CRMS 3985	23.96	34.55	22.23	35.24	37.11	30.28	28.53	21.86	15.90	19.58	17.08	20.12
CRMS 0258	42.86	58.85	40.91	63.23	68.96	65.88	73.05	58.43	41.40	28.82	19.92	19.64
CRMS 0224	45.57	65.76	45.72	64.62	70.69	64.52	68.04	49.85	32.35	23.52	16.99	14.08
CRMS 0163	99.63	135.44	102.29	104.01	123.98	85.53	90.58	92.73	61.74	52.27	75.96	131.05
CRMS 0162	88.97	120.71	70.46	88.12	93.78	87.76	112.38	82.00	37.47	35.30	43.55	77.37

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	148.99	171.23	132.55	123.56	151.15	118.76	134.69	110.56	82.53	94.00	82.16	141.23
CRMS0276 - Just east of Wilkinson Canal	-3.02	-18.92	-8.36	-8.56	-16.27	-7.55	2.24	4.47	-6.45	-8.56	-1.33	-7.10
Barataria Waterway at Lafitte (USACE82875)	-10.46	-8.63	-4.65	-6.31	-6.64	-6.06	-12.64	-5.23	-17.31	-26.60	-3.93	-8.14
USGS2928590900040000 Barataria Waterway South of Lafitte	85.83	100.58	66.94	56.94	79.02	56.70	82.72	50.33	3.70	11.62	6.59	17.47
USGS7380251 Barataria Bay North of Grand Isle	34.09	60.15	33.78	46.79	55.32	38.75	33.86	18.21	0.96	0.87	2.25	2.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	35.23	51.12	30.15	35.38	43.65	33.04	43.81	28.27	1.67	-1.19	1.71	2.53
USGS 07380335 - Little Lake Near Cutoff	13.63	21.50	10.57	19.16	26.17	18.90	24.95	14.41	-0.53	-2.74	1.21	-0.71
USGS073802516 Barataria Pass at Grand Isle	13.91	23.87	11.46	17.31	14.89	10.62	14.14	11.03	0.59	-1.99	0.94	0.42
HWQ14 - Lake Washington	16.99	31.85	13.53	23.76	20.73	17.25	17.87	12.72	0.59	-0.01	1.24	1.89
HWQ16 - Bayou Grand Liard	-3.00	-6.86	-2.91	-2.93	-2.62	-1.07	-0.48	-0.68	-1.52	-2.07	0.38	-2.26
CRMS 3985	9.26	22.57	13.06	24.48	24.13	18.00	5.14	-1.84	-4.52	-1.49	1.00	-0.11
CRMS 0258	24.28	9.78	4.68	3.30	7.97	13.91	43.99	28.86	-4.38	-7.00	-0.91	-2.62
CRMS 0224	32.79	26.87	15.74	15.38	24.35	25.08	49.53	31.12	-2.65	-4.78	0.81	-0.28
CRMS 0163	-12.68	-10.05	-6.94	-8.04	-8.46	-9.61	-10.32	-3.81	-30.38	-36.74	-5.72	-19.20
CRMS 0162	-15.07	-11.71	-7.08	-10.14	-14.29	-12.37	-16.36	-23.16	-21.09	-16.71	-2.06	-28.90

Figure WQ TSS 219 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.12	9.54	24.21	44.25	44.38	26.93	17.49	17.84	16.85	18.09	10.40	22.62
CRMS0276 - Just east of Wilkinson Canal	68.67	49.83	141.99	118.50	134.12	41.82	22.47	22.01	33.97	28.30	31.51	126.59
Barataria Waterway at Lafitte (USACE82875)	114.05	102.33	238.26	159.19	185.79	61.74	56.25	54.53	61.62	57.87	67.94	241.48
USGS2928590900040000 Barataria Waterway South of Lafitte	17.70	15.28	27.92	60.08	64.67	35.70	17.07	16.61	23.07	22.67	11.26	26.13
USGS7380251 Barataria Bay North of Grand Isle	15.14	7.37	15.02	24.90	23.28	16.02	14.19	15.95	14.08	16.07	11.76	20.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.11	18.70	26.79	46.66	43.00	27.61	13.25	12.15	15.45	17.46	12.85	23.51
USGS 07380335 - Little Lake Near Cutoff	33.26	24.12	39.49	58.35	54.42	29.87	12.37	9.48	14.09	16.59	15.53	35.15
USGS073802516 Barataria Pass at Grand Isle	25.02	17.53	27.88	46.92	42.46	28.77	15.08	11.14	12.03	15.19	11.90	24.44
HWQ14 - Lake Washington	14.84	9.21	13.37	24.84	23.25	17.18	10.02	9.77	10.40	13.02	9.58	13.01
HWQ16 - Bayou Grand Liard	36.01	27.13	71.94	75.96	78.40	34.05	12.57	11.68	13.37	13.19	16.57	53.84
CRMS 3985	20.08	8.19	11.23	16.81	16.87	12.23	16.46	19.14	16.54	18.05	16.06	29.48
CRMS 0258	34.42	31.91	63.67	88.14	98.18	41.24	23.99	23.91	36.65	31.83	17.28	60.54
CRMS 0224	29.25	27.80	41.22	74.71	80.04	36.48	16.62	15.91	28.12	25.27	14.29	37.87
CRMS 0163	136.28	115.90	282.66	171.31	201.30	67.04	68.40	69.23	73.98	60.18	98.39	277.55
CRMS 0162	123.25	67.85	215.81	150.43	176.66	72.23	88.52	72.28	38.42	31.45	49.79	255.90

V3PR5 HYST - cy 5 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	144.51	138.38	346.52	223.62	243.26	107.28	113.81	88.23	85.69	83.01	130.38	338.39
CRMS0276 - Just east of Wilkinson Canal	63.72	47.34	108.41	104.82	118.94	39.37	26.92	23.87	28.65	21.63	31.37	92.02
Barataria Waterway at Lafitte (USACE82875)	110.60	73.55	228.68	146.95	170.75	55.78	48.69	53.73	41.36	32.78	65.41	233.79
USGS2928590900040000 Barataria Waterway South of Lafitte	44.39	28.08	237.45	153.76	170.53	60.60	71.94	36.55	27.95	31.27	31.92	238.57
USGS7380251 Barataria Bay North of Grand Isle	35.83	16.76	126.96	97.14	108.85	37.77	38.84	19.06	16.07	17.26	17.03	122.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	44.20	23.09	146.86	96.02	111.47	41.91	42.56	19.20	16.47	16.01	14.24	147.37
USGS 07380335 - Little Lake Near Cutoff	44.18	27.50	102.09	82.72	93.26	36.83	28.43	13.75	13.21	14.09	14.50	94.07
USGS073802516 Barataria Pass at Grand Isle	38.78	21.02	78.56	68.85	68.34	31.63	22.76	14.96	11.82	13.27	11.80	76.88
HWQ14 - Lake Washington	34.51	14.78	62.67	59.00	59.19	26.64	21.46	13.89	10.81	13.23	11.21	61.30
HWQ16 - Bayou Grand Liard	33.40	29.91	61.00	72.05	70.48	31.97	13.39	11.85	12.18	11.67	15.19	46.18
CRMS 3985	36.45	19.62	63.93	55.49	59.89	25.84	21.58	13.66	15.09	17.59	17.52	54.30
CRMS 0258	42.13	32.66	112.31	92.26	108.02	46.19	54.62	34.14	31.91	25.53	19.05	102.31
CRMS 0224	44.97	30.53	132.85	95.96	111.29	46.01	51.00	24.12	25.34	20.34	16.20	120.18
CRMS 0163	132.44	82.31	270.58	154.37	189.95	59.39	62.53	67.06	41.21	33.01	92.42	266.99
CRMS 0162	103.78	54.69	188.00	135.13	153.76	64.87	78.32	53.96	28.24	25.02	44.03	209.13

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.40	128.84	322.31	179.37	198.88	80.35	96.32	70.39	68.84	64.93	119.98	315.77
CRMS0276 - Just east of Wilkinson Canal	-4.95	-2.49	-33.58	-13.68	-15.17	-2.45	4.46	1.86	-5.32	-6.67	-0.13	-34.57
Barataria Waterway at Lafitte (USACE82875)	-3.45	-28.79	-9.58	-12.24	-15.04	-5.96	-7.56	-0.80	-20.26	-25.09	-2.52	-7.69
USGS2928590900040000 Barataria Waterway South of Lafitte	26.69	12.79	209.53	93.68	105.86	24.90	54.86	19.94	4.88	8.60	20.66	212.44
USGS7380251 Barataria Bay North of Grand Isle	20.69	9.39	111.94	72.24	85.56	21.76	24.65	3.11	1.99	1.19	5.27	102.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	19.09	4.39	120.08	49.36	68.48	14.30	29.32	7.06	1.01	-1.45	1.39	123.86
USGS 07380335 - Little Lake Near Cutoff	10.92	3.38	62.60	24.37	38.84	6.96	16.06	4.27	-0.87	-2.50	-1.03	58.92
USGS073802516 Barataria Pass at Grand Isle	13.76	3.49	50.68	21.93	25.89	2.86	7.69	3.81	-0.20	-1.92	-0.10	52.44
HWQ14 - Lake Washington	19.67	5.57	49.30	34.16	35.94	9.45	11.44	4.13	0.40	0.21	1.64	48.29
HWQ16 - Bayou Grand Liard	-2.61	2.79	-10.94	-3.91	-7.92	-2.08	0.82	0.17	-1.19	-1.52	-1.38	-7.66
CRMS 3985	16.37	11.43	52.71	38.68	43.02	13.60	5.12	-5.48	-1.45	-0.46	1.46	24.82
CRMS 0258	7.71	0.75	48.63	4.12	9.84	4.96	30.63	10.23	-4.74	-6.30	1.78	41.77
CRMS 0224	15.72	2.73	91.63	21.25	31.26	9.53	34.39	8.21	-2.78	-4.92	1.92	82.31
CRMS 0163	-3.84	-33.58	-12.08	-16.94	-11.35	-7.65	-5.87	-2.17	-32.77	-27.17	-5.97	-10.56
CRMS 0162	-19.46	-13.16	-27.81	-15.31	-22.89	-7.37	-10.21	-18.32	-10.19	-6.44	-5.76	-46.77

Figure WQ TSS 220 - Monthly Average Total Suspended Solids (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.29	22.36	29.39	40.01	27.13	17.74	13.58	13.49	19.25	22.35	10.86	9.45
CRMS0276 - Just east of Wilkinson Canal	55.08	107.48	133.96	117.01	49.74	42.75	31.66	23.28	45.59	47.49	26.73	23.78
Barataria Waterway at Lafitte (USACE82875)	134.00	186.66	184.94	160.97	77.53	69.15	62.21	56.24	91.62	84.04	49.68	80.26
USGS2928590900040000 Barataria Waterway South of Lafitte	12.28	32.86	38.13	55.10	34.43	24.64	13.50	12.57	27.22	29.54	12.01	9.74
USGS7380251 Barataria Bay North of Grand Isle	14.47	18.63	23.38	22.59	17.50	11.29	9.17	11.09	14.99	18.60	11.90	11.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.86	33.10	38.08	43.18	28.35	17.64	13.22	11.76	17.95	23.53	12.16	8.95
USGS 07380335 - Little Lake Near Cutoff	13.38	43.81	51.72	55.01	31.25	20.17	14.89	10.54	17.76	24.49	13.25	10.04
USGS073802516 Barataria Pass at Grand Isle	9.29	29.35	37.08	44.09	29.73	19.38	16.53	11.62	13.10	20.27	11.60	8.83
HWQ14 - Lake Washington	7.58	15.44	21.36	23.04	19.72	11.60	8.92	8.88	9.44	14.50	10.52	8.71
HWQ16 - Bayou Grand Liard	17.87	50.56	73.22	75.61	37.28	23.73	18.46	12.79	16.14	21.13	13.59	11.87
CRMS 3985	23.62	24.87	22.98	15.65	13.28	9.01	6.95	12.32	16.63	20.59	15.02	16.37
CRMS 0258	22.65	70.52	76.43	82.94	44.26	39.13	23.12	22.07	48.35	44.85	18.00	15.04
CRMS 0224	12.26	54.03	57.91	70.04	38.36	28.60	16.46	15.07	34.01	35.48	14.58	10.64
CRMS 0163	177.28	209.36	205.26	171.74	86.89	76.22	70.60	69.57	111.86	88.23	64.88	105.54
CRMS 0162	163.36	191.12	177.09	157.42	80.55	82.26	89.55	77.02	79.57	71.97	34.21	73.84

V3PR6 HYST - cy 5 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	228.43	273.01	259.37	220.04	132.36	125.05	115.82	100.03	141.94	108.93	77.25	136.57
CRMS0276 - Just east of Wilkinson Canal	50.56	97.61	107.84	104.76	44.29	40.17	39.72	30.75	43.99	47.76	27.50	28.73
Barataria Waterway at Lafitte (USACE82875)	131.55	176.28	178.31	152.09	70.72	61.69	50.61	50.32	87.87	80.12	51.48	86.98
USGS2928590900040000 Barataria Waterway South of Lafitte	132.56	196.55	229.36	192.60	110.68	103.95	93.93	57.39	65.02	58.34	14.36	24.95
USGS7380251 Barataria Bay North of Grand Isle	61.70	115.58	148.16	123.48	63.39	58.73	52.76	31.87	26.85	32.47	11.19	12.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	96.75	158.96	174.29	135.67	70.45	71.39	67.98	47.45	37.16	53.71	13.79	17.44
USGS 07380335 - Little Lake Near Cutoff	50.84	118.75	141.87	110.17	56.55	54.13	50.27	30.45	27.20	48.29	13.95	12.67
USGS073802516 Barataria Pass at Grand Isle	42.38	75.10	114.56	87.75	45.44	39.13	38.87	24.55	22.59	38.69	12.69	10.21
HWQ14 - Lake Washington	36.52	57.66	82.94	70.93	38.39	32.55	31.55	21.73	16.06	29.33	10.79	8.88
HWQ16 - Bayou Grand Liard	19.17	63.24	89.65	81.83	39.30	29.91	23.49	13.86	17.66	25.52	13.79	12.92
CRMS 3985	35.54	53.49	78.96	70.45	37.11	33.19	33.10	19.12	10.71	17.80	11.03	13.47
CRMS 0258	58.51	129.77	132.83	107.36	53.44	57.01	54.71	50.79	46.50	55.68	17.30	18.74
CRMS 0224	70.30	138.99	142.68	111.36	55.23	58.08	56.18	45.60	36.61	54.93	14.39	14.20
CRMS 0163	170.77	196.90	198.14	162.32	79.42	67.00	61.85	66.07	109.16	82.59	65.25	101.33
CRMS 0162	136.28	146.50	168.67	149.82	75.63	77.44	86.53	62.12	56.57	56.38	34.63	65.00

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	214.14	250.65	229.99	180.03	105.22	107.31	102.25	86.54	122.69	86.59	66.39	127.11
CRMS0276 - Just east of Wilkinson Canal	-4.53	-9.87	-26.11	-12.26	-5.46	-2.59	8.06	7.47	-1.60	0.27	0.77	4.95
Barataria Waterway at Lafitte (USACE82875)	-2.45	-10.38	-6.63	-8.88	-6.82	-7.46	-11.59	-5.92	-3.75	-3.92	1.80	6.71
USGS2928590900040000 Barataria Waterway South of Lafitte	120.27	163.69	191.23	137.50	76.24	79.31	80.43	44.82	37.80	28.79	2.34	15.21
USGS7380251 Barataria Bay North of Grand Isle	47.23	96.95	124.78	100.89	45.88	47.44	43.60	20.78	11.86	13.88	-0.71	1.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	86.89	125.86	136.21	92.49	42.10	53.74	54.76	35.70	19.21	30.18	1.62	8.48
USGS 07380335 - Little Lake Near Cutoff	37.46	74.94	90.15	55.17	25.29	33.96	35.38	19.91	9.44	23.79	0.70	2.63
USGS073802516 Barataria Pass at Grand Isle	33.09	45.74	77.48	43.65	15.71	19.75	22.34	12.92	9.49	18.42	1.09	1.38
HWQ14 - Lake Washington	28.94	42.21	61.58	47.89	18.67	20.95	22.63	12.85	6.62	14.82	0.26	0.17
HWQ16 - Bayou Grand Liard	1.30	12.68	16.43	6.23	2.02	6.17	5.03	1.07	1.52	4.38	0.20	1.05
CRMS 3985	11.92	28.62	55.98	54.80	23.83	24.18	26.15	6.80	-5.93	-2.78	-3.99	-2.90
CRMS 0258	35.86	59.25	56.40	24.41	9.18	17.88	31.60	28.71	-1.85	10.82	-0.70	3.70
CRMS 0224	58.04	84.96	84.77	41.32	16.88	29.48	39.72	30.53	2.60	19.46	-0.18	3.56
CRMS 0163	-6.50	-12.46	-7.12	-9.42	-7.47	-9.22	-8.75	-3.50	-2.69	-5.64	0.38	-4.21
CRMS 0162	-27.08	-44.62	-8.42	-7.60	-4.92	-4.82	-3.02	-14.90	-22.99	-15.59	0.42	-8.84

Figure WQ TSS 221 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.37	20.34	22.94	28.24	30.66	20.15	14.94	14.88	14.79	15.17	10.92	20.23
CRMS0276 - Just east of Wilkinson Canal	62.35	97.80	88.55	74.15	65.10	31.26	16.77	15.75	22.82	24.81	48.21	85.52
Barataria Waterway at Lafitte (USACE82875)	106.83	152.27	132.47	110.98	93.17	51.44	56.26	51.68	53.27	49.65	101.75	185.97
USGS2928590900040000 Barataria Waterway South of Lafitte	15.92	28.64	29.52	36.89	41.35	26.64	15.38	14.00	17.76	17.12	11.85	21.95
USGS7380251 Barataria Bay North of Grand Isle	15.53	15.18	15.62	16.48	17.79	12.56	10.90	14.89	14.20	14.83	13.51	19.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.72	29.76	30.53	28.63	29.64	19.17	11.40	10.05	12.80	13.48	14.94	20.42
USGS 07380335 - Little Lake Near Cutoff	24.82	40.34	39.77	35.15	33.43	19.45	9.64	9.00	11.07	13.79	19.26	27.18
USGS073802516 Barataria Pass at Grand Isle	18.52	27.89	30.44	29.83	29.60	19.77	12.22	10.13	9.78	12.52	13.59	19.59
HWQ14 - Lake Washington	12.38	13.97	16.58	17.13	18.29	12.68	8.60	8.66	9.84	11.59	10.09	12.78
HWQ16 - Bayou Grand Liard	28.71	51.92	56.41	45.38	43.03	18.75	9.41	13.24	11.44	12.46	21.13	35.93
CRMS 3985	21.96	17.19	12.15	11.35	12.92	9.45	12.06	19.96	17.71	16.97	20.02	27.97
CRMS 0258	31.02	57.97	50.90	52.46	56.63	35.80	19.55	14.94	28.29	23.93	24.17	50.22
CRMS 0224	22.29	46.28	41.82	43.45	47.18	27.70	14.85	12.51	21.52	18.17	19.44	32.36
CRMS 0163	129.33	174.49	151.72	123.94	102.71	55.62	72.19	65.41	65.74	58.07	141.11	224.60
CRMS 0162	122.34	158.54	130.81	107.18	93.20	57.84	89.12	59.33	29.77	31.53	76.05	191.40

V3PR6 HYST - cy 5 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	162.66	233.55	200.53	176.54	147.42	77.20	100.00	86.11	88.31	95.05	149.32	262.20
CRMS0276 - Just east of Wilkinson Canal	57.41	86.81	70.80	62.23	61.16	30.01	15.74	14.95	20.59	19.24	47.81	80.51
Barataria Waterway at Lafitte (USACE82875)	101.32	138.75	124.96	102.35	85.17	52.24	57.95	53.27	33.54	38.32	106.96	187.12
USGS2928590900040000 Barataria Waterway South of Lafitte	101.72	202.16	175.42	152.50	125.28	38.24	35.01	31.88	26.60	27.16	19.06	149.61
USGS7380251 Barataria Bay North of Grand Isle	57.20	118.01	110.42	92.54	76.67	23.37	13.70	13.58	16.10	15.75	14.64	75.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	88.49	148.92	125.73	103.98	84.99	29.20	17.15	14.88	15.70	15.52	16.54	111.86
USGS 07380335 - Little Lake Near Cutoff	60.85	111.51	100.75	80.08	69.80	27.38	12.99	10.38	12.28	12.58	17.56	74.51
USGS073802516 Barataria Pass at Grand Isle	51.90	85.59	81.00	62.50	55.42	25.53	12.99	10.03	10.17	11.36	13.27	49.33
HWQ14 - Lake Washington	41.19	64.98	58.29	49.91	46.18	20.05	10.04	8.42	10.18	11.73	10.92	34.20
HWQ16 - Bayou Grand Liard	32.03	62.99	62.83	52.72	47.87	20.64	9.26	12.26	10.65	11.61	19.18	36.73
CRMS 3985	35.93	55.85	57.43	48.85	45.39	17.61	9.73	13.07	16.76	15.79	16.71	40.20
CRMS 0258	62.78	103.86	93.58	77.68	66.37	34.66	20.35	15.63	21.99	19.01	21.88	90.11
CRMS 0224	71.47	117.04	101.14	82.61	68.12	30.19	17.09	14.81	18.47	15.05	17.82	94.91
CRMS 0163	123.76	159.39	145.14	112.84	96.16	54.91	72.78	61.51	34.77	43.27	142.53	216.83
CRMS 0162	106.34	141.71	121.94	99.99	87.13	51.02	72.36	51.03	24.71	26.38	68.27	152.27

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	147.29	213.21	177.60	148.30	116.76	57.05	85.06	71.23	73.52	79.88	138.39	241.98
CRMS0276 - Just east of Wilkinson Canal	-4.93	-10.98	-17.75	-11.92	-3.94	-1.24	-1.02	-0.80	-2.23	-5.57	-0.40	-5.01
Barataria Waterway at Lafitte (USACE82875)	-5.52	-13.52	-7.51	-8.63	-8.00	0.80	1.69	1.59	-19.73	-11.33	5.21	1.15
USGS2928590900040000 Barataria Waterway South of Lafitte	85.80	173.52	145.90	115.61	83.93	11.60	19.63	17.88	8.84	10.04	7.21	127.66
USGS7380251 Barataria Bay North of Grand Isle	41.67	102.83	94.80	76.07	58.88	10.81	2.80	-1.31	1.90	0.92	1.13	55.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	69.77	119.16	95.20	75.36	55.36	10.03	5.75	4.83	2.90	2.04	1.60	91.44
USGS 07380335 - Little Lake Near Cutoff	36.04	71.18	60.99	44.93	36.36	7.93	3.36	1.38	1.21	-1.21	-1.70	47.33
USGS073802516 Barataria Pass at Grand Isle	33.39	57.70	50.56	32.67	25.82	5.76	0.78	-0.11	0.38	-1.16	-0.32	29.74
HWQ14 - Lake Washington	28.81	51.01	41.71	32.78	27.89	7.37	1.44	-0.24	0.34	0.14	0.83	21.42
HWQ16 - Bayou Grand Liard	3.32	11.07	6.42	7.34	4.84	1.90	-0.16	-0.98	-0.78	-0.86	-1.95	0.79
CRMS 3985	13.97	38.66	45.29	37.50	32.47	8.16	-2.33	-6.89	-0.95	-1.18	-3.31	12.23
CRMS 0258	31.77	45.89	42.68	25.22	9.74	-1.14	0.80	0.69	-6.30	-4.92	-2.29	39.89
CRMS 0224	49.18	70.77	59.32	39.16	20.94	2.49	2.24	2.31	-3.05	-3.13	-1.62	62.55
CRMS 0163	-5.58	-15.10	-6.58	-11.09	-6.56	-0.71	0.59	-3.90	-30.96	-14.80	1.43	-7.77
CRMS 0162	-16.00	-16.83	-8.87	-7.19	-6.08	-6.82	-16.77	-8.30	-5.06	-5.15	-7.78	-39.13

Figure WQ TSS 222 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.33	21.19	19.19	43.67	37.35	23.32	15.51	15.64	12.65	14.69	19.81	22.70
CRMS0276 - Just east of Wilkinson Canal	39.98	141.97	99.52	124.65	95.13	51.34	16.55	12.17	15.47	26.67	84.57	81.61
Barataria Waterway at Lafitte (USACE82875)	97.18	222.57	169.46	145.97	142.92	98.21	48.15	33.46	22.84	102.99	159.19	156.77
USGS2928590900040000 Barataria Waterway South of Lafitte	10.33	33.88	25.30	64.27	52.12	33.53	15.30	13.99	12.90	14.74	22.11	27.47
USGS7380251 Barataria Bay North of Grand Isle	11.84	10.28	14.65	26.32	22.41	15.21	16.70	16.34	11.67	17.40	19.80	20.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.03	34.03	23.42	42.59	33.68	23.61	12.82	10.59	10.00	11.32	21.40	26.71
USGS 07380335 - Little Lake Near Cutoff	15.80	50.33	30.84	52.77	37.82	25.80	11.52	12.04	9.61	12.99	28.81	33.53
USGS073802516 Barataria Pass at Grand Isle	12.73	31.84	23.14	40.93	31.09	22.84	12.80	11.17	8.53	10.99	19.64	25.06
HWQ14 - Lake Washington	9.99	11.48	13.04	24.42	20.77	14.80	11.07	9.83	8.80	11.50	13.63	16.43
HWQ16 - Bayou Grand Liard	16.78	65.55	44.34	71.75	43.72	28.46	13.56	12.76	11.80	13.29	35.97	39.10
CRMS 3985	16.85	5.74	17.62	22.47	18.70	15.14	21.96	19.60	11.45	23.11	27.52	27.49
CRMS 0258	17.15	79.26	51.09	101.63	78.88	44.66	16.51	13.13	18.99	21.46	45.28	51.18
CRMS 0224	14.04	59.44	36.30	81.34	60.21	37.36	15.63	12.11	13.76	14.21	29.86	38.42
CRMS 0163	136.47	237.03	204.81	147.19	165.58	102.46	60.99	46.42	27.05	121.73	205.96	182.06
CRMS 0162	95.52	177.25	100.64	110.36	120.80	80.64	45.55	33.07	16.78	52.40	132.53	146.31

V3PR6 HYST - cy 5 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	173.70	263.06	236.08	158.25	203.93	120.77	90.66	57.65	49.64	162.79	201.68	174.70
CRMS0276 - Just east of Wilkinson Canal	37.90	121.49	90.61	120.87	81.81	47.83	15.61	11.59	16.31	33.94	82.09	77.38
Barataria Waterway at Lafitte (USACE82875)	100.38	213.55	173.21	149.36	141.42	103.79	45.67	27.83	31.05	107.06	165.20	164.09
USGS2928590900040000 Barataria Waterway South of Lafitte	43.06	174.65	135.72	58.06	138.56	28.74	28.79	25.37	19.96	31.79	26.89	23.25
USGS7380251 Barataria Bay North of Grand Isle	22.37	98.25	77.26	54.11	77.84	19.23	12.35	13.98	12.06	19.87	18.53	16.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.56	143.23	99.59	72.70	114.86	27.61	16.03	13.22	12.79	19.42	24.97	25.17
USGS 07380335 - Little Lake Near Cutoff	13.83	108.46	67.21	80.32	83.70	29.58	13.49	10.58	10.74	15.73	28.46	30.23
USGS073802516 Barataria Pass at Grand Isle	11.93	93.11	58.17	73.82	56.93	25.82	12.93	9.79	8.80	13.16	21.28	23.16
HWQ14 - Lake Washington	10.90	66.84	40.04	51.57	42.56	17.92	9.51	8.41	8.35	13.36	14.74	13.59
HWQ16 - Bayou Grand Liard	14.16	69.05	43.57	78.85	46.66	28.10	12.75	12.02	10.10	11.81	34.53	34.95
CRMS 3985	22.03	50.30	34.75	42.46	36.70	14.88	11.47	14.99	10.22	21.70	13.51	15.77
CRMS 0258	15.45	97.04	66.04	85.49	86.03	36.18	15.40	12.19	17.46	27.95	47.14	45.79
CRMS 0224	14.68	109.34	72.66	76.44	90.57	32.73	15.84	12.33	14.55	21.42	30.28	33.26
CRMS 0163	133.66	222.94	199.85	144.66	160.33	103.96	52.28	34.55	33.31	127.88	205.65	182.64
CRMS 0162	77.39	139.75	92.31	89.43	105.66	67.66	31.57	28.01	16.59	72.77	118.30	118.50

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	163.36	241.87	216.89	114.57	166.58	97.46	75.15	42.00	36.98	148.10	181.87	152.00
CRMS0276 - Just east of Wilkinson Canal	-2.08	-20.48	-8.91	-3.78	-13.33	-3.51	-0.94	-0.58	0.84	7.28	-2.48	-4.22
Barataria Waterway at Lafitte (USACE82875)	3.19	-9.02	3.75	3.39	-1.50	5.58	-2.48	-5.63	8.21	4.07	6.01	7.33
USGS2928590900040000 Barataria Waterway South of Lafitte	32.72	140.77	110.42	-6.21	86.44	-4.80	13.49	11.38	7.07	17.05	4.78	-4.22
USGS7380251 Barataria Bay North of Grand Isle	10.53	87.97	62.61	27.79	55.42	4.02	-4.35	-2.36	0.39	2.47	-1.27	-4.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.53	109.21	76.17	30.12	81.18	4.00	3.21	2.62	2.79	8.10	3.57	-1.55
USGS 07380335 - Little Lake Near Cutoff	-1.97	58.12	36.36	27.55	45.88	3.79	1.97	-1.46	1.13	2.74	-0.35	-3.30
USGS073802516 Barataria Pass at Grand Isle	-0.80	61.26	35.03	32.89	25.84	2.98	0.14	-1.38	0.27	2.17	1.64	-1.91
HWQ14 - Lake Washington	0.91	55.36	27.00	27.16	21.79	3.12	-1.56	-1.42	-0.45	1.86	1.11	-2.84
HWQ16 - Bayou Grand Liard	-2.62	3.50	-0.77	7.09	2.94	-0.36	-0.81	-0.74	-1.71	-1.48	-1.44	-4.14
CRMS 3985	5.18	44.56	17.13	19.99	18.00	-0.26	-10.49	-4.61	-1.23	-1.41	-14.01	-11.73
CRMS 0258	-1.70	17.77	14.95	-16.14	7.16	-8.48	-1.12	-0.94	-1.53	6.48	1.86	-5.39
CRMS 0224	0.64	49.90	36.36	-4.90	30.35	-4.63	0.20	0.23	0.78	7.20	0.42	-5.17
CRMS 0163	-2.81	-14.10	-4.96	-2.53	-5.25	1.50	-8.71	-11.87	6.26	6.15	-0.30	0.58
CRMS 0162	-18.12	-37.49	-8.33	-20.93	-15.14	-12.98	-13.98	-5.06	-0.19	20.38	-14.23	-27.80

Figure WQ TSS 223 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.16	15.55	18.43	29.21	29.56	25.27	20.48	21.12	21.20	20.27	11.77	11.39
CRMS0276 - Just east of Wilkinson Canal	40.39	90.69	54.76	79.60	78.45	59.50	33.99	31.85	44.41	35.45	33.66	41.83
Barataria Waterway at Lafitte (USACE82875)	86.19	132.93	88.50	105.52	118.66	86.50	87.63	79.97	78.78	77.54	63.20	117.94
USGS2928590900040000 Barataria Waterway South of Lafitte	9.89	22.28	23.01	40.23	40.85	36.30	19.10	20.01	28.81	25.03	13.41	11.51
USGS7380251 Barataria Bay North of Grand Isle	10.33	11.27	12.21	16.04	17.45	14.36	18.09	19.27	17.34	18.15	12.53	13.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.02	24.47	22.48	28.79	27.16	24.01	14.57	14.37	19.18	19.65	13.04	10.78
USGS 07380335 - Little Lake Near Cutoff	14.71	35.73	27.57	36.20	30.94	27.87	14.89	12.57	18.37	18.75	14.75	12.97
USGS073802516 Barataria Pass at Grand Isle	11.12	24.17	22.02	29.04	26.66	24.66	16.35	12.99	14.73	17.08	12.10	10.55
HWQ14 - Lake Washington	7.84	10.55	13.34	16.04	16.91	13.38	11.06	11.22	12.26	14.49	10.70	9.28
HWQ16 - Bayou Grand Liard	18.65	49.51	33.52	47.01	38.21	35.14	18.42	15.42	17.30	15.21	15.91	16.94
CRMS 3985	14.69	11.97	9.17	10.76	12.98	12.28	23.40	23.70	20.42	21.08	16.09	20.23
CRMS 0258	18.58	49.07	36.23	59.93	60.98	51.98	29.06	29.57	45.78	35.82	20.83	22.26
CRMS 0224	12.78	38.89	29.98	49.23	46.34	39.44	18.51	18.73	35.00	28.30	16.18	14.36
CRMS 0163	112.31	145.49	109.23	112.05	132.44	95.14	100.90	96.54	92.12	89.01	81.69	150.25
CRMS 0162	104.04	132.42	77.53	98.26	108.08	100.12	128.74	105.16	58.56	52.02	45.61	106.26

V3PR6 HYST - cy 5 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.50	193.00	156.22	157.89	185.66	148.32	159.38	133.73	105.41	114.90	95.26	151.40
CRMS0276 - Just east of Wilkinson Canal	45.64	73.96	45.11	71.63	64.24	52.69	50.10	43.88	42.38	31.93	34.40	37.81
Barataria Waterway at Lafitte (USACE82875)	79.95	124.25	84.32	99.95	112.29	79.84	72.10	72.39	77.90	72.05	67.36	120.45
USGS2928590900040000 Barataria Waterway South of Lafitte	133.50	167.82	125.82	131.90	156.46	121.67	128.65	74.44	29.58	31.66	15.36	18.74
USGS7380251 Barataria Bay North of Grand Isle	66.11	103.31	65.25	80.33	95.98	69.07	67.14	43.25	16.73	16.78	11.46	14.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	90.59	119.75	87.56	94.74	113.56	88.78	97.95	63.62	22.85	20.75	13.72	14.06
USGS 07380335 - Little Lake Near Cutoff	56.12	91.97	61.10	76.25	87.80	66.40	67.95	44.18	21.82	18.47	14.40	12.83
USGS073802516 Barataria Pass at Grand Isle	45.48	75.41	49.25	62.54	61.40	47.00	49.36	36.90	17.05	15.79	12.54	11.13
HWQ14 - Lake Washington	35.77	56.77	34.21	49.52	48.62	39.18	38.19	31.20	12.86	13.16	10.19	10.21
HWQ16 - Bayou Grand Liard	22.71	55.96	34.82	53.82	48.47	40.13	26.34	19.07	17.87	14.30	16.12	14.80
CRMS 3985	30.27	50.79	29.56	45.73	48.02	38.09	36.75	25.60	13.22	16.41	10.32	18.82
CRMS 0258	59.02	84.98	54.74	73.23	85.15	71.18	76.44	61.91	41.24	31.27	17.39	19.72
CRMS 0224	68.58	94.27	63.81	76.56	88.36	73.56	81.88	56.37	31.93	24.75	13.98	13.84
CRMS 0163	102.59	135.71	103.16	104.41	124.24	85.72	88.90	92.41	83.79	75.81	83.36	142.00
CRMS 0162	91.96	122.91	70.07	90.49	98.95	93.03	118.15	87.55	42.31	40.35	44.61	89.23

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	155.34	177.45	137.78	128.68	156.10	123.05	138.90	112.61	84.21	94.64	83.49	140.01
CRMS0276 - Just east of Wilkinson Canal	5.25	-16.74	-9.65	-7.96	-14.21	-6.81	16.11	12.03	-2.02	-3.52	0.74	-4.02
Barataria Waterway at Lafitte (USACE82875)	-6.24	-8.68	-4.18	-5.56	-6.37	-6.66	-15.53	-7.58	-0.88	-5.49	4.16	2.50
USGS2928590900040000 Barataria Waterway South of Lafitte	123.60	145.55	102.81	91.67	115.62	85.37	109.54	54.44	0.77	6.63	1.95	7.23
USGS7380251 Barataria Bay North of Grand Isle	55.77	92.04	53.04	64.29	78.53	54.71	49.04	23.99	-0.61	-1.37	-1.07	1.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	79.57	95.28	65.08	65.95	86.40	64.77	83.39	49.25	3.67	1.10	0.68	3.27
USGS 07380335 - Little Lake Near Cutoff	41.40	56.25	33.53	40.05	56.87	38.53	53.05	31.61	3.45	-0.28	-0.34	-0.14
USGS073802516 Barataria Pass at Grand Isle	34.37	51.24	27.24	33.50	34.74	22.34	33.01	23.91	2.32	-1.28	0.44	0.57
HWQ14 - Lake Washington	27.94	46.21	20.87	33.49	31.72	25.80	27.13	19.98	0.60	-1.33	-0.52	0.93
HWQ16 - Bayou Grand Liard	4.06	6.45	1.30	6.80	10.26	5.00	7.93	3.65	0.57	-0.91	0.21	-2.14
CRMS 3985	15.58	38.81	20.38	34.98	35.03	25.81	13.35	1.89	-7.20	-4.67	-5.76	-1.41
CRMS 0258	40.44	35.91	18.51	13.30	24.17	19.20	47.38	32.34	-4.54	-4.55	-3.44	-2.54
CRMS 0224	55.80	55.38	33.83	27.33	42.02	34.11	63.36	37.63	-3.07	-3.55	-2.19	-0.53
CRMS 0163	-9.72	-9.79	-6.07	-7.64	-8.21	-9.42	-12.00	-4.13	-8.33	-13.20	1.68	-8.26
CRMS 0162	-12.08	-9.51	-7.46	-7.78	-9.13	-7.09	-10.59	-17.61	-16.25	-11.66	-1.01	-17.03

Figure WQ TSS 224 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.12	9.54	24.21	44.25	44.38	26.93	17.49	17.84	16.85	18.09	10.40	22.62
CRMS0276 - Just east of Wilkinson Canal	68.67	49.83	141.99	118.50	134.12	41.82	22.47	22.01	33.97	28.30	31.51	126.59
Barataria Waterway at Lafitte (USACE82875)	114.05	102.33	238.26	159.19	185.79	61.74	56.25	54.53	61.62	57.87	67.94	241.48
USGS2928590900040000 Barataria Waterway South of Lafitte	17.70	15.28	27.92	60.08	64.67	35.70	17.07	16.61	23.07	22.67	11.26	26.13
USGS7380251 Barataria Bay North of Grand Isle	15.14	7.37	15.02	24.90	23.28	16.02	14.19	15.95	14.08	16.07	11.76	20.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.11	18.70	26.79	46.66	43.00	27.61	13.25	12.15	15.45	17.46	12.85	23.51
USGS 07380335 - Little Lake Near Cutoff	33.26	24.12	39.49	58.35	54.42	29.87	12.37	9.48	14.09	16.59	15.53	35.15
USGS073802516 Barataria Pass at Grand Isle	25.02	17.53	27.88	46.92	42.46	28.77	15.08	11.14	12.03	15.19	11.90	24.44
HWQ14 - Lake Washington	14.84	9.21	13.37	24.84	23.25	17.18	10.02	9.77	10.40	13.02	9.58	13.01
HWQ16 - Bayou Grand Liard	36.01	27.13	71.94	75.96	78.40	34.05	12.57	11.68	13.37	13.19	16.57	53.84
CRMS 3985	20.08	8.19	11.23	16.81	16.87	12.23	16.46	19.14	16.54	18.05	16.06	29.48
CRMS 0258	34.42	31.91	63.67	88.14	98.18	41.24	23.99	23.91	36.65	31.83	17.28	60.54
CRMS 0224	29.25	27.80	41.22	74.71	80.04	36.48	16.62	15.91	28.12	25.27	14.29	37.87
CRMS 0163	136.28	115.90	282.66	171.31	201.30	67.04	68.40	69.23	73.98	60.18	98.39	277.55
CRMS 0162	123.25	67.85	215.81	150.43	176.66	72.23	88.52	72.28	38.42	31.45	49.79	255.90

V3PR6 HYST - cy 5 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.24	137.01	354.80	229.49	249.63	111.70	117.39	88.22	86.20	83.55	131.36	347.06
CRMS0276 - Just east of Wilkinson Canal	68.75	49.85	114.78	105.42	122.84	39.00	34.67	26.40	31.49	24.61	32.67	100.12
Barataria Waterway at Lafitte (USACE82875)	111.60	96.98	230.65	147.34	170.73	55.90	45.84	54.38	53.28	41.43	72.60	229.79
USGS2928590900040000 Barataria Waterway South of Lafitte	34.57	15.82	306.41	201.04	221.91	90.76	91.47	33.50	27.06	28.89	29.85	305.14
USGS7380251 Barataria Bay North of Grand Isle	39.27	16.03	186.35	127.95	150.85	49.15	48.54	19.92	15.03	16.23	15.37	177.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	51.56	22.38	232.43	146.35	164.05	57.37	67.64	25.40	18.23	18.43	17.88	235.19
USGS 07380335 - Little Lake Near Cutoff	54.98	27.82	174.90	117.15	137.08	45.12	46.67	19.37	16.39	16.12	14.80	170.79
USGS073802516 Barataria Pass at Grand Isle	49.71	21.36	133.09	90.73	102.08	36.63	35.27	18.47	12.53	13.92	11.92	136.70
HWQ14 - Lake Washington	41.79	14.43	87.36	74.61	82.08	31.74	27.85	16.73	10.35	12.63	9.55	84.82
HWQ16 - Bayou Grand Liard	40.19	29.91	85.52	84.63	89.34	32.82	18.24	13.12	13.10	12.40	15.98	70.77
CRMS 3985	41.66	19.30	89.12	72.52	85.23	31.02	27.82	14.42	13.86	16.07	10.69	75.76
CRMS 0258	48.03	29.61	160.70	114.45	131.14	44.69	56.22	34.07	31.28	26.27	18.10	152.36
CRMS 0224	51.77	27.60	180.78	120.61	134.88	44.97	56.53	26.07	25.31	21.64	15.20	176.07
CRMS 0163	134.44	99.12	272.98	154.26	190.95	59.42	60.96	68.95	58.12	40.35	99.42	267.23
CRMS 0162	110.62	56.39	196.38	140.53	163.59	68.39	82.28	59.86	29.41	26.98	46.63	223.34

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	129.12	127.48	330.59	185.24	205.25	84.77	99.90	70.38	69.35	65.46	120.96	324.44
CRMS0276 - Just east of Wilkinson Canal	0.08	0.02	-27.21	-13.08	-11.28	-2.81	12.20	4.40	-2.48	-3.69	1.17	-26.47
Barataria Waterway at Lafitte (USACE82875)	-2.46	-5.36	-7.60	-11.85	-15.06	-5.84	-10.41	-0.15	-8.33	-16.44	4.66	-11.69
USGS2928590900040000 Barataria Waterway South of Lafitte	16.86	0.54	278.49	140.96	157.23	55.06	74.39	16.89	3.99	6.22	18.59	279.01
USGS7380251 Barataria Bay North of Grand Isle	24.13	8.66	171.33	103.05	127.57	33.14	34.35	3.97	0.95	0.16	3.61	156.65
USGS73802515 Hackberry Bay Northwest of Grand Isle	26.46	3.68	205.64	99.69	121.05	29.76	54.39	13.26	2.77	0.97	5.04	211.68
USGS 07380335 - Little Lake Near Cutoff	21.72	3.70	135.41	58.79	82.66	15.25	34.30	9.89	2.30	-0.47	-0.73	135.64
USGS073802516 Barataria Pass at Grand Isle	24.68	3.83	105.21	43.81	59.63	7.85	20.20	7.33	0.51	-1.27	0.01	112.26
HWQ14 - Lake Washington	26.95	5.23	73.99	49.77	58.83	14.56	17.83	6.96	-0.06	-0.39	-0.03	71.81
HWQ16 - Bayou Grand Liard	4.18	2.78	13.57	8.67	10.94	-1.24	5.67	1.44	-0.28	-0.80	-0.59	16.93
CRMS 3985	21.59	11.11	77.89	55.70	68.36	18.79	11.36	-4.72	-2.68	-1.98	-5.37	46.28
CRMS 0258	13.61	-2.31	97.03	26.31	32.96	3.45	32.22	10.16	-5.38	-5.56	0.82	91.82
CRMS 0224	22.52	-0.20	139.56	45.89	54.84	8.49	39.91	10.16	-2.81	-3.63	0.92	138.20
CRMS 0163	-1.84	-16.77	-9.68	-17.05	-10.34	-7.62	-7.44	-0.28	-15.86	-19.84	1.03	-10.31
CRMS 0162	-12.63	-11.46	-19.43	-9.90	-13.07	-3.84	-6.25	-12.41	-9.01	-4.48	-3.16	-32.56

Figure WQ TSS 225 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.29	22.36	29.39	40.01	27.13	17.74	13.58	13.49	19.25	22.35	10.86	9.45
CRMS0276 - Just east of Wilkinson Canal	55.08	107.48	133.96	117.01	49.74	42.75	31.66	23.28	45.59	47.49	26.73	23.78
Barataria Waterway at Lafitte (USACE82875)	134.00	186.66	184.94	160.97	77.53	69.15	62.21	56.24	91.62	84.04	49.68	80.26
USGS2928590900040000 Barataria Waterway South of Lafitte	12.28	32.86	38.13	55.10	34.43	24.64	13.50	12.57	27.22	29.54	12.01	9.74
USGS7380251 Barataria Bay North of Grand Isle	14.47	18.63	23.38	22.59	17.50	11.29	9.17	11.09	14.99	18.60	11.90	11.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.86	33.10	38.08	43.18	28.35	17.64	13.22	11.76	17.95	23.53	12.16	8.95
USGS 07380335 - Little Lake Near Cutoff	13.38	43.81	51.72	55.01	31.25	20.17	14.89	10.54	17.76	24.49	13.25	10.04
USGS073802516 Barataria Pass at Grand Isle	9.29	29.35	37.08	44.09	29.73	19.38	16.53	11.62	13.10	20.27	11.60	8.83
HWQ14 - Lake Washington	7.58	15.44	21.36	23.04	19.72	11.60	8.92	8.88	9.44	14.50	10.52	8.71
HWQ16 - Bayou Grand Liard	17.87	50.56	73.22	75.61	37.28	23.73	18.46	12.79	16.14	21.13	13.59	11.87
CRMS 3985	23.62	24.87	22.98	15.65	13.28	9.01	6.95	12.32	16.63	20.59	15.02	16.37
CRMS 0258	22.65	70.52	76.43	82.94	44.26	39.13	23.12	22.07	48.35	44.85	18.00	15.04
CRMS 0224	12.26	54.03	57.91	70.04	38.36	28.60	16.46	15.07	34.01	35.48	14.58	10.64
CRMS 0163	177.28	209.36	205.26	171.74	86.89	76.22	70.60	69.57	111.86	88.23	64.88	105.54
CRMS 0162	163.36	191.12	177.09	157.42	80.55	82.26	89.55	77.02	79.57	71.97	34.21	73.84

V3PR7 HYST - cy 5 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	225.25	270.74	259.28	219.83	132.22	125.04	115.74	99.20	140.13	107.02	74.21	132.33
CRMS0276 - Just east of Wilkinson Canal	52.09	98.36	109.65	105.35	44.38	41.02	40.64	31.10	44.59	48.45	27.39	23.84
Barataria Waterway at Lafitte (USACE82875)	132.49	176.55	178.37	152.39	70.76	62.08	51.26	50.50	89.67	79.91	51.03	83.00
USGS2928590900040000 Barataria Waterway South of Lafitte	132.88	192.60	221.09	187.41	106.88	98.93	90.43	59.09	66.70	58.96	15.27	28.10
USGS7380251 Barataria Bay North of Grand Isle	58.51	111.30	143.52	119.51	61.41	57.45	51.37	30.39	26.13	31.20	10.73	11.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	93.10	155.75	173.36	135.41	69.66	69.88	66.12	45.26	37.57	52.75	13.52	15.18
USGS 07380335 - Little Lake Near Cutoff	50.42	118.97	143.74	111.40	56.77	54.20	50.25	30.14	27.55	48.25	13.82	10.67
USGS073802516 Barataria Pass at Grand Isle	41.27	74.43	114.20	87.55	45.22	38.61	38.38	24.00	22.51	38.05	12.54	9.11
HWQ14 - Lake Washington	34.39	55.48	80.28	68.64	37.39	31.16	30.01	20.66	15.33	28.34	10.58	8.47
HWQ16 - Bayou Grand Liard	19.24	63.71	90.72	82.48	39.33	30.13	23.67	13.79	17.98	26.13	13.92	10.61
CRMS 3985	34.42	50.05	72.36	65.71	35.57	31.13	31.03	18.33	10.36	16.84	10.80	13.46
CRMS 0258	63.56	135.09	135.92	110.23	54.33	57.42	55.79	52.30	46.74	56.95	17.13	14.77
CRMS 0224	76.45	146.29	150.84	116.95	58.12	61.31	59.42	46.93	37.83	55.97	14.40	12.56
CRMS 0163	170.97	197.57	198.65	162.82	79.87	67.56	62.76	66.73	111.22	82.95	65.69	102.00
CRMS 0162	136.94	147.56	165.18	149.34	74.34	74.48	85.90	62.89	56.34	59.06	33.01	52.01

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	210.97	248.38	229.89	179.83	105.09	107.31	102.16	85.71	120.88	84.67	63.35	122.87
CRMS0276 - Just east of Wilkinson Canal	-3.00	-9.12	-24.30	-11.66	-5.37	-1.74	8.98	7.82	-1.01	0.96	0.66	0.06
Barataria Waterway at Lafitte (USACE82875)	-1.51	-10.11	-6.57	-8.58	-6.78	-7.07	-10.95	-5.74	-1.95	-4.13	1.35	2.74
USGS2928590900040000 Barataria Waterway South of Lafitte	120.60	159.74	182.96	132.30	72.45	74.29	76.93	46.52	39.48	29.42	3.26	18.36
USGS7380251 Barataria Bay North of Grand Isle	44.05	92.67	120.14	96.92	43.90	46.16	42.20	19.30	11.14	12.60	-1.17	0.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	83.24	122.66	135.28	92.23	41.30	52.24	52.90	33.50	19.62	29.22	1.35	6.23
USGS 07380335 - Little Lake Near Cutoff	37.04	75.16	92.01	56.39	25.52	34.03	35.36	19.60	9.79	23.76	0.57	0.63
USGS073802516 Barataria Pass at Grand Isle	31.98	45.08	77.12	43.46	15.49	19.23	21.85	12.38	9.40	17.78	0.93	0.28
HWQ14 - Lake Washington	26.80	40.04	58.93	45.60	17.67	19.56	21.09	11.79	5.89	13.84	0.05	-0.24
HWQ16 - Bayou Grand Liard	1.37	13.15	17.50	6.87	2.04	6.39	5.20	1.00	1.85	5.00	0.32	-1.26
CRMS 3985	10.79	25.17	49.38	50.06	22.29	22.12	24.08	6.01	-6.27	-3.75	-4.22	-2.91
CRMS 0258	40.91	64.57	59.48	27.29	10.07	18.30	32.68	30.23	-1.61	12.10	-0.87	-0.27
CRMS 0224	64.19	92.26	92.93	46.90	19.76	32.70	42.96	31.86	3.82	20.49	-0.18	1.92
CRMS 0163	-6.31	-11.78	-6.62	-8.92	-7.03	-8.66	-7.84	-2.84	-0.64	-5.28	0.81	-3.53
CRMS 0162	-26.42	-43.56	-11.91	-8.08	-6.21	-7.78	-3.65	-14.13	-23.23	-12.91	-1.20	-21.83

Figure WQ TSS 226 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.37	20.34	22.94	28.24	30.66	20.15	14.94	14.88	14.79	15.17	10.92	20.23
CRMS0276 - Just east of Wilkinson Canal	62.35	97.80	88.55	74.15	65.10	31.26	16.77	15.75	22.82	24.81	48.21	85.52
Barataria Waterway at Lafitte (USACE82875)	106.83	152.27	132.47	110.98	93.17	51.44	56.26	51.68	53.27	49.65	101.75	185.97
USGS2928590900040000 Barataria Waterway South of Lafitte	15.92	28.64	29.52	36.89	41.35	26.64	15.38	14.00	17.76	17.12	11.85	21.95
USGS7380251 Barataria Bay North of Grand Isle	15.53	15.18	15.62	16.48	17.79	12.56	10.90	14.89	14.20	14.83	13.51	19.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.72	29.76	30.53	28.63	29.64	19.17	11.40	10.05	12.80	13.48	14.94	20.42
USGS 07380335 - Little Lake Near Cutoff	24.82	40.34	39.77	35.15	33.43	19.45	9.64	9.00	11.07	13.79	19.26	27.18
USGS073802516 Barataria Pass at Grand Isle	18.52	27.89	30.44	29.83	29.60	19.77	12.22	10.13	9.78	12.52	13.59	19.59
HWQ14 - Lake Washington	12.38	13.97	16.58	17.13	18.29	12.68	8.60	8.66	9.84	11.59	10.09	12.78
HWQ16 - Bayou Grand Liard	28.71	51.92	56.41	45.38	43.03	18.75	9.41	13.24	11.44	12.46	21.13	35.93
CRMS 3985	21.96	17.19	12.15	11.35	12.92	9.45	12.06	19.96	17.71	16.97	20.02	27.97
CRMS 0258	31.02	57.97	50.90	52.46	56.63	35.80	19.55	14.94	28.29	23.93	24.17	50.22
CRMS 0224	22.29	46.28	41.82	43.45	47.18	27.70	14.85	12.51	21.52	18.17	19.44	32.36
CRMS 0163	129.33	174.49	151.72	123.94	102.71	55.62	72.19	65.41	65.74	58.07	141.11	224.60
CRMS 0162	122.34	158.54	130.81	107.18	93.20	57.84	89.12	59.33	29.77	31.53	76.05	191.40

V3PR7 HYST - cy 5 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	160.37	233.52	200.37	176.41	147.33	76.42	97.77	84.97	86.65	92.03	142.14	259.05
CRMS0276 - Just east of Wilkinson Canal	58.51	88.15	71.67	62.66	61.83	29.92	15.86	15.63	20.62	19.25	47.76	81.99
Barataria Waterway at Lafitte (USACE82875)	101.65	138.66	124.47	101.95	84.99	52.05	57.80	54.90	34.16	38.17	106.24	186.42
USGS2928590900040000 Barataria Waterway South of Lafitte	100.37	195.23	169.96	146.33	121.31	39.33	37.95	34.58	28.35	29.05	20.78	148.74
USGS7380251 Barataria Bay North of Grand Isle	53.91	114.29	105.91	89.23	74.17	22.70	13.09	12.91	15.71	15.36	14.15	71.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.98	147.73	125.57	103.89	84.33	28.18	16.21	14.31	15.43	15.26	16.27	109.17
USGS 07380335 - Little Lake Near Cutoff	61.22	112.87	102.39	81.34	70.22	27.08	12.82	10.26	12.43	12.61	17.59	75.04
USGS073802516 Barataria Pass at Grand Isle	51.62	85.41	80.96	62.77	55.03	25.14	12.84	10.03	10.14	11.35	13.32	48.33
HWQ14 - Lake Washington	39.45	63.38	55.88	48.95	44.47	19.40	9.80	8.19	9.94	11.49	10.76	32.16
HWQ16 - Bayou Grand Liard	32.90	63.50	63.93	53.34	48.28	20.64	9.14	12.44	10.58	11.61	19.38	37.08
CRMS 3985	34.21	51.60	51.66	45.54	42.91	16.98	9.47	12.56	16.63	15.68	16.73	38.35
CRMS 0258	66.87	109.14	96.50	79.45	67.76	35.03	21.02	16.40	22.25	19.04	21.89	95.45
CRMS 0224	76.18	125.47	106.74	87.43	71.52	30.23	17.36	15.27	19.07	15.39	18.14	102.07
CRMS 0163	124.46	159.73	145.15	112.98	96.01	55.02	72.91	62.74	36.11	43.32	142.62	217.17
CRMS 0162	106.56	141.59	120.30	101.06	86.77	50.56	73.50	51.10	24.34	26.29	67.99	152.26

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	144.99	213.18	177.43	148.17	116.67	56.27	82.83	70.09	71.86	76.86	131.22	238.83
CRMS0276 - Just east of Wilkinson Canal	-3.83	-9.65	-16.88	-11.49	-3.27	-1.34	-0.91	-0.12	-2.20	-5.57	-0.45	-3.54
Barataria Waterway at Lafitte (USACE82875)	-5.19	-13.61	-8.00	-9.03	-8.18	0.61	1.54	3.21	-19.11	-11.48	4.49	0.46
USGS2928590900040000 Barataria Waterway South of Lafitte	84.46	166.59	140.44	109.44	79.96	12.68	22.57	20.58	10.59	11.92	8.93	126.79
USGS7380251 Barataria Bay North of Grand Isle	38.38	99.11	90.29	72.75	56.38	10.14	2.19	-1.99	1.51	0.53	0.65	51.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	67.26	117.96	95.04	75.26	54.69	9.01	4.81	4.26	2.63	1.77	1.32	88.75
USGS 07380335 - Little Lake Near Cutoff	36.41	72.54	62.62	46.19	36.79	7.63	3.18	1.26	1.36	-1.19	-1.67	47.87
USGS073802516 Barataria Pass at Grand Isle	33.11	57.53	50.52	32.94	25.43	5.37	0.63	-0.10	0.36	-1.17	-0.27	28.75
HWQ14 - Lake Washington	27.07	49.40	39.30	31.82	26.17	6.72	1.20	-0.48	0.10	-0.10	0.68	19.38
HWQ16 - Bayou Grand Liard	4.18	11.58	7.52	7.96	5.25	1.89	-0.27	-0.80	-0.86	-0.85	-1.75	1.15
CRMS 3985	12.25	34.42	39.51	34.18	29.99	7.53	-2.59	-7.40	-1.08	-1.29	-3.29	10.38
CRMS 0258	35.85	51.17	45.60	26.99	11.13	-0.77	1.48	1.46	-6.03	-4.88	-2.28	45.23
CRMS 0224	53.89	79.19	64.92	43.99	24.34	2.53	2.52	2.76	-2.45	-2.78	-1.31	69.72
CRMS 0163	-4.87	-14.76	-6.57	-10.96	-6.71	-0.60	0.72	-2.67	-29.62	-14.75	1.51	-7.43
CRMS 0162	-15.78	-16.96	-10.51	-6.12	-6.43	-7.28	-15.62	-8.24	-5.43	-5.25	-8.06	-39.14

Figure WQ TSS 227 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.33	21.19	19.19	43.67	37.35	23.32	15.51	15.64	12.65	14.69	19.81	22.70
CRMS0276 - Just east of Wilkinson Canal	39.98	141.97	99.52	124.65	95.13	51.34	16.55	12.17	15.47	26.67	84.57	81.61
Barataria Waterway at Lafitte (USACE82875)	97.18	222.57	169.46	145.97	142.92	98.21	48.15	33.46	22.84	102.99	159.19	156.77
USGS2928590900040000 Barataria Waterway South of Lafitte	10.33	33.88	25.30	64.27	52.12	33.53	15.30	13.99	12.90	14.74	22.11	27.47
USGS7380251 Barataria Bay North of Grand Isle	11.84	10.28	14.65	26.32	22.41	15.21	16.70	16.34	11.67	17.40	19.80	20.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.03	34.03	23.42	42.59	33.68	23.61	12.82	10.59	10.00	11.32	21.40	26.71
USGS 07380335 - Little Lake Near Cutoff	15.80	50.33	30.84	52.77	37.82	25.80	11.52	12.04	9.61	12.99	28.81	33.53
USGS073802516 Barataria Pass at Grand Isle	12.73	31.84	23.14	40.93	31.09	22.84	12.80	11.17	8.53	10.99	19.64	25.06
HWQ14 - Lake Washington	9.99	11.48	13.04	24.42	20.77	14.80	11.07	9.83	8.80	11.50	13.63	16.43
HWQ16 - Bayou Grand Liard	16.78	65.55	44.34	71.75	43.72	28.46	13.56	12.76	11.80	13.29	35.97	39.10
CRMS 3985	16.85	5.74	17.62	22.47	18.70	15.14	21.96	19.60	11.45	23.11	27.52	27.49
CRMS 0258	17.15	79.26	51.09	101.63	78.88	44.66	16.51	13.13	18.99	21.46	45.28	51.18
CRMS 0224	14.04	59.44	36.30	81.34	60.21	37.36	15.63	12.11	13.76	14.21	29.86	38.42
CRMS 0163	136.47	237.03	204.81	147.19	165.58	102.46	60.99	46.42	27.05	121.73	205.96	182.06
CRMS 0162	95.52	177.25	100.64	110.36	120.80	80.64	45.55	33.07	16.78	52.40	132.53	146.31

V3PR7 HYST - cy 5 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	167.88	260.71	233.15	155.16	202.95	119.02	88.60	57.14	48.27	155.92	189.87	167.78
CRMS0276 - Just east of Wilkinson Canal	39.03	123.96	92.66	120.72	81.49	48.27	16.28	11.27	14.41	22.42	84.69	81.66
Barataria Waterway at Lafitte (USACE82875)	100.63	215.01	172.57	148.67	140.53	105.40	48.20	29.60	21.98	79.60	170.41	167.12
USGS2928590900040000 Barataria Waterway South of Lafitte	46.40	174.07	133.66	59.80	136.09	31.69	31.88	27.44	19.97	33.88	27.19	24.99
USGS7380251 Barataria Bay North of Grand Isle	21.91	93.31	75.43	52.70	75.61	18.49	11.95	13.85	11.85	19.41	23.18	21.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.83	141.06	100.85	72.00	110.80	26.34	15.07	12.69	11.51	15.92	23.59	26.08
USGS 07380335 - Little Lake Near Cutoff	14.88	109.90	69.32	80.41	82.70	29.07	13.25	10.17	9.82	12.24	27.56	32.60
USGS073802516 Barataria Pass at Grand Isle	12.96	92.79	59.00	73.75	55.66	25.46	12.76	9.50	8.46	10.58	20.19	24.99
HWQ14 - Lake Washington	11.82	64.13	38.94	50.96	40.76	17.50	9.31	8.34	8.24	12.41	16.10	17.08
HWQ16 - Bayou Grand Liard	14.98	70.59	45.27	78.78	46.52	28.17	12.61	11.62	10.33	11.06	34.41	37.70
CRMS 3985	22.90	47.66	33.04	41.27	35.27	14.51	11.60	15.34	10.26	22.59	26.36	26.80
CRMS 0258	16.68	104.03	71.75	85.59	89.02	36.40	15.93	12.62	14.17	16.56	44.82	47.33
CRMS 0224	17.14	118.60	81.58	77.17	96.22	32.53	15.94	12.55	12.48	14.73	28.68	35.10
CRMS 0163	134.16	224.75	200.44	144.53	160.07	105.91	55.96	35.72	23.17	88.64	206.90	183.39
CRMS 0162	77.75	140.54	91.58	94.50	106.43	67.60	32.18	28.00	15.26	37.31	117.02	118.10

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	157.55	239.52	213.96	111.49	165.60	95.70	73.09	41.50	35.62	141.23	170.06	145.08
CRMS0276 - Just east of Wilkinson Canal	-0.95	-18.01	-6.86	-3.93	-13.64	-3.07	-0.28	-0.90	-1.06	-4.25	0.12	0.05
Barataria Waterway at Lafitte (USACE82875)	3.45	-7.56	3.11	2.70	-2.39	7.19	0.05	-3.86	-0.85	-23.39	11.22	10.35
USGS2928590900040000 Barataria Waterway South of Lafitte	36.07	140.19	108.37	-4.47	83.97	-1.84	16.58	13.45	7.07	19.14	5.08	-2.49
USGS7380251 Barataria Bay North of Grand Isle	10.07	83.03	60.78	26.38	53.20	3.28	-4.75	-2.49	0.18	2.00	3.38	1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.80	107.04	77.43	29.41	77.12	2.73	2.25	2.10	1.50	4.60	2.19	-0.63
USGS 07380335 - Little Lake Near Cutoff	-0.92	59.57	38.47	27.64	44.88	3.27	1.73	-1.86	0.21	-0.75	-1.25	-0.93
USGS073802516 Barataria Pass at Grand Isle	0.23	60.95	35.86	32.82	24.56	2.62	-0.04	-1.67	-0.07	-0.41	0.55	-0.08
HWQ14 - Lake Washington	1.83	52.65	25.90	26.54	19.99	2.70	-1.76	-1.49	-0.56	0.91	2.48	0.65
HWQ16 - Bayou Grand Liard	-1.80	5.03	0.93	7.03	2.79	-0.29	-0.95	-1.14	-1.48	-2.23	-1.56	-1.39
CRMS 3985	6.05	41.92	15.41	18.80	16.56	-0.63	-10.36	-4.26	-1.19	-0.52	-1.17	-0.70
CRMS 0258	-0.47	24.77	20.66	-16.04	10.14	-8.26	-0.58	-0.51	-4.82	-4.90	-0.46	-3.85
CRMS 0224	3.10	59.15	45.28	-4.17	36.00	-4.83	0.31	0.45	-1.29	0.51	-1.18	-3.33
CRMS 0163	-2.32	-12.28	-4.37	-2.66	-5.52	3.45	-5.03	-10.70	-3.88	-33.09	0.94	1.34
CRMS 0162	-17.77	-36.71	-9.06	-15.86	-14.37	-13.05	-13.37	-5.07	-1.53	-15.08	-15.51	-28.21

Figure WQ TSS 228 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.16	15.55	18.43	29.21	29.56	25.27	20.48	21.12	21.20	20.27	11.77	11.39
CRMS0276 - Just east of Wilkinson Canal	40.39	90.69	54.76	79.60	78.45	59.50	33.99	31.85	44.41	35.45	33.66	41.83
Barataria Waterway at Lafitte (USACE82875)	86.19	132.93	88.50	105.52	118.66	86.50	87.63	79.97	78.78	77.54	63.20	117.94
USGS2928590900040000 Barataria Waterway South of Lafitte	9.89	22.28	23.01	40.23	40.85	36.30	19.10	20.01	28.81	25.03	13.41	11.51
USGS7380251 Barataria Bay North of Grand Isle	10.33	11.27	12.21	16.04	17.45	14.36	18.09	19.27	17.34	18.15	12.53	13.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.02	24.47	22.48	28.79	27.16	24.01	14.57	14.37	19.18	19.65	13.04	10.78
USGS 07380335 - Little Lake Near Cutoff	14.71	35.73	27.57	36.20	30.94	27.87	14.89	12.57	18.37	18.75	14.75	12.97
USGS073802516 Barataria Pass at Grand Isle	11.12	24.17	22.02	29.04	26.66	24.66	16.35	12.99	14.73	17.08	12.10	10.55
HWQ14 - Lake Washington	7.84	10.55	13.34	16.04	16.91	13.38	11.06	11.22	12.26	14.49	10.70	9.28
HWQ16 - Bayou Grand Liard	18.65	49.51	33.52	47.01	38.21	35.14	18.42	15.42	17.30	15.21	15.91	16.94
CRMS 3985	14.69	11.97	9.17	10.76	12.98	12.28	23.40	23.70	20.42	21.08	16.09	20.23
CRMS 0258	18.58	49.07	36.23	59.93	60.98	51.98	29.06	29.57	45.78	35.82	20.83	22.26
CRMS 0224	12.78	38.89	29.98	49.23	46.34	39.44	18.51	18.73	35.00	28.30	16.18	14.36
CRMS 0163	112.31	145.49	109.23	112.05	132.44	95.14	100.90	96.54	92.12	89.01	81.69	150.25
CRMS 0162	104.04	132.42	77.53	98.26	108.08	100.12	128.74	105.16	58.56	52.02	45.61	106.26

V3PR7 HYST - cy 5 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.23	192.87	156.07	157.72	185.36	148.14	159.12	132.55	103.20	110.90	91.63	146.11
CRMS0276 - Just east of Wilkinson Canal	46.58	74.78	45.79	71.23	64.07	53.61	51.53	44.49	42.72	31.02	34.18	39.53
Barataria Waterway at Lafitte (USACE82875)	80.23	124.18	83.83	99.68	112.26	80.17	72.29	72.61	77.15	68.17	66.99	123.40
USGS2928590900040000 Barataria Waterway South of Lafitte	127.90	161.64	120.63	126.35	151.21	117.76	125.99	75.83	31.39	34.02	16.54	20.83
USGS7380251 Barataria Bay North of Grand Isle	62.91	99.11	62.47	78.08	94.96	67.15	64.08	41.09	16.27	16.40	10.65	14.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	89.21	119.76	86.40	94.29	111.78	86.27	94.22	60.72	22.59	20.60	13.40	13.77
USGS 07380335 - Little Lake Near Cutoff	56.66	93.53	61.76	77.24	87.90	66.15	67.10	43.94	22.19	18.69	14.32	13.11
USGS073802516 Barataria Pass at Grand Isle	45.16	75.90	48.83	62.45	60.61	46.15	47.88	36.00	17.04	15.91	12.39	11.30
HWQ14 - Lake Washington	34.49	55.27	32.83	48.43	47.35	37.40	35.91	29.48	12.58	13.02	9.85	9.78
HWQ16 - Bayou Grand Liard	23.13	57.11	35.44	54.63	48.36	40.63	26.43	19.55	18.28	14.19	16.04	15.54
CRMS 3985	28.13	46.10	27.53	42.87	45.74	35.87	34.26	24.22	12.98	16.33	9.13	18.72
CRMS 0258	62.48	88.25	58.29	74.81	87.40	72.96	79.15	63.55	41.31	31.26	16.83	20.18
CRMS 0224	73.96	100.00	70.04	80.70	93.83	77.36	86.85	58.77	32.45	25.24	13.89	14.27
CRMS 0163	103.04	136.30	103.55	104.12	124.34	85.92	89.16	92.93	84.18	71.35	83.64	145.05
CRMS 0162	91.87	122.82	68.98	91.83	99.32	92.60	118.83	87.96	41.86	37.78	44.59	87.44

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	155.07	177.32	137.64	128.51	155.80	122.87	138.65	111.42	82.01	90.64	79.86	134.72
CRMS0276 - Just east of Wilkinson Canal	6.19	-15.91	-8.97	-8.37	-14.37	-5.89	17.54	12.64	-1.69	-4.43	0.52	-2.31
Barataria Waterway at Lafitte (USACE82875)	-5.96	-8.75	-4.67	-5.84	-6.40	-6.32	-15.34	-7.36	-1.63	-9.37	3.79	5.46
USGS2928590900040000 Barataria Waterway South of Lafitte	118.01	139.37	97.62	86.12	110.37	81.46	106.88	55.82	2.58	8.99	3.13	9.32
USGS7380251 Barataria Bay North of Grand Isle	52.58	87.84	50.26	62.04	77.50	52.80	45.99	21.82	-1.07	-1.75	-1.88	0.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	78.19	95.29	63.91	65.50	84.62	62.26	79.65	46.35	3.41	0.96	0.36	2.99
USGS 07380335 - Little Lake Near Cutoff	41.95	57.80	34.19	41.04	56.96	38.29	52.21	31.37	3.81	-0.06	-0.42	0.14
USGS073802516 Barataria Pass at Grand Isle	34.04	51.73	26.81	33.41	33.95	21.49	31.53	23.02	2.31	-1.17	0.28	0.74
HWQ14 - Lake Washington	26.65	44.72	19.49	32.39	30.44	24.02	24.85	18.26	0.32	-1.47	-0.85	0.50
HWQ16 - Bayou Grand Liard	4.48	7.60	1.92	7.61	10.15	5.49	8.01	4.14	0.98	-1.02	0.13	-1.40
CRMS 3985	13.44	34.13	18.35	32.11	32.76	23.60	10.87	0.51	-7.44	-4.75	-6.95	-1.51
CRMS 0258	43.90	39.18	22.06	14.88	26.42	20.98	50.09	33.98	-4.47	-4.56	-4.01	-2.08
CRMS 0224	61.18	61.11	40.06	31.47	47.49	37.92	68.34	40.04	-2.55	-3.06	-2.29	-0.10
CRMS 0163	-9.27	-9.20	-5.68	-7.93	-8.10	-9.22	-11.74	-3.60	-7.93	-17.66	1.96	-5.20
CRMS 0162	-12.17	-9.60	-8.56	-6.44	-8.76	-7.53	-9.90	-17.20	-16.70	-14.24	-1.03	-18.82

Figure WQ TSS 229 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.12	9.54	24.21	44.25	44.38	26.93	17.49	17.84	16.85	18.09	10.40	22.62
CRMS0276 - Just east of Wilkinson Canal	68.67	49.83	141.99	118.50	134.12	41.82	22.47	22.01	33.97	28.30	31.51	126.59
Barataria Waterway at Lafitte (USACE82875)	114.05	102.33	238.26	159.19	185.79	61.74	56.25	54.53	61.62	57.87	67.94	241.48
USGS2928590900040000 Barataria Waterway South of Lafitte	17.70	15.28	27.92	60.08	64.67	35.70	17.07	16.61	23.07	22.67	11.26	26.13
USGS7380251 Barataria Bay North of Grand Isle	15.14	7.37	15.02	24.90	23.28	16.02	14.19	15.95	14.08	16.07	11.76	20.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.11	18.70	26.79	46.66	43.00	27.61	13.25	12.15	15.45	17.46	12.85	23.51
USGS 07380335 - Little Lake Near Cutoff	33.26	24.12	39.49	58.35	54.42	29.87	12.37	9.48	14.09	16.59	15.53	35.15
USGS073802516 Barataria Pass at Grand Isle	25.02	17.53	27.88	46.92	42.46	28.77	15.08	11.14	12.03	15.19	11.90	24.44
HWQ14 - Lake Washington	14.84	9.21	13.37	24.84	23.25	17.18	10.02	9.77	10.40	13.02	9.58	13.01
HWQ16 - Bayou Grand Liard	36.01	27.13	71.94	75.96	78.40	34.05	12.57	11.68	13.37	13.19	16.57	53.84
CRMS 3985	20.08	8.19	11.23	16.81	16.87	12.23	16.46	19.14	16.54	18.05	16.06	29.48
CRMS 0258	34.42	31.91	63.67	88.14	98.18	41.24	23.99	23.91	36.65	31.83	17.28	60.54
CRMS 0224	29.25	27.80	41.22	74.71	80.04	36.48	16.62	15.91	28.12	25.27	14.29	37.87
CRMS 0163	136.28	115.90	282.66	171.31	201.30	67.04	68.40	69.23	73.98	60.18	98.39	277.55
CRMS 0162	123.25	67.85	215.81	150.43	176.66	72.23	88.52	72.28	38.42	31.45	49.79	255.90

V3PR7 HYST - cy 5 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	137.53	131.81	354.49	229.44	249.44	111.64	117.21	87.07	84.62	81.02	126.38	346.87
CRMS0276 - Just east of Wilkinson Canal	69.36	49.13	118.25	105.89	123.84	39.07	35.52	26.63	32.17	24.63	33.29	103.82
Barataria Waterway at Lafitte (USACE82875)	112.71	104.33	231.52	148.16	171.88	55.85	45.84	54.83	54.12	40.81	73.20	231.57
USGS2928590900040000 Barataria Waterway South of Lafitte	37.32	17.67	297.71	194.30	216.58	87.07	89.78	36.35	28.87	30.64	31.57	295.87
USGS7380251 Barataria Bay North of Grand Isle	37.48	15.49	180.30	124.01	146.04	47.61	46.89	19.13	14.47	15.86	14.13	173.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	51.28	20.73	230.33	146.13	163.79	55.92	65.21	24.59	18.06	18.24	17.43	233.45
USGS 07380335 - Little Lake Near Cutoff	55.42	25.84	176.58	118.39	138.47	44.89	46.34	19.19	16.60	16.18	14.77	173.87
USGS073802516 Barataria Pass at Grand Isle	49.85	19.86	132.58	90.78	101.58	36.11	34.40	18.12	12.54	14.01	11.79	136.22
HWQ14 - Lake Washington	40.72	13.97	84.53	72.24	78.73	30.70	26.39	16.12	10.04	12.42	9.16	82.05
HWQ16 - Bayou Grand Liard	40.95	27.32	87.27	85.24	90.03	32.65	18.27	13.00	13.18	12.39	16.13	72.22
CRMS 3985	39.88	19.97	82.86	67.79	78.64	29.88	26.10	13.83	13.34	15.92	9.37	70.61
CRMS 0258	48.91	28.18	166.89	117.64	134.02	44.95	57.85	34.56	31.56	26.53	18.31	160.64
CRMS 0224	52.37	26.09	194.61	127.37	141.25	47.31	59.84	26.38	25.87	21.91	15.85	190.82
CRMS 0163	136.15	104.12	274.03	155.12	191.90	59.91	61.19	69.86	60.29	40.40	100.31	269.03
CRMS 0162	109.33	51.68	195.41	138.26	163.86	67.28	82.28	60.70	30.01	27.05	46.17	219.94

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	123.41	122.27	330.28	185.19	205.06	84.71	99.72	69.23	67.76	62.93	115.98	324.25
CRMS0276 - Just east of Wilkinson Canal	0.69	-0.70	-23.74	-12.61	-10.28	-2.75	13.05	4.62	-1.80	-3.67	1.78	-22.76
Barataria Waterway at Lafitte (USACE82875)	-1.34	2.00	-6.74	-11.03	-13.91	-5.89	-10.41	0.30	-7.49	-17.06	5.26	-9.91
USGS2928590900040000 Barataria Waterway South of Lafitte	19.62	2.39	269.79	134.22	151.91	51.37	72.71	19.75	5.81	7.97	20.31	269.74
USGS7380251 Barataria Bay North of Grand Isle	22.33	8.11	165.28	99.11	122.75	31.60	32.70	3.19	0.39	-0.21	2.37	152.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	26.17	2.03	203.55	99.47	120.79	28.31	51.96	12.44	2.61	0.79	4.58	209.93
USGS 07380335 - Little Lake Near Cutoff	22.16	1.72	137.09	60.03	84.05	15.02	33.97	9.71	2.51	-0.41	-0.76	138.72
USGS073802516 Barataria Pass at Grand Isle	24.83	2.33	104.70	43.86	59.12	7.34	19.32	6.98	0.51	-1.19	-0.11	111.78
HWQ14 - Lake Washington	25.88	4.76	71.15	47.40	55.48	13.52	16.37	6.35	-0.37	-0.60	-0.42	69.04
HWQ16 - Bayou Grand Liard	4.94	0.19	15.32	9.28	11.63	-1.40	5.70	1.32	-0.19	-0.80	-0.44	18.38
CRMS 3985	19.80	11.78	71.63	50.98	61.77	17.65	9.65	-5.31	-3.20	-2.13	-6.69	41.13
CRMS 0258	14.49	-3.73	103.22	29.50	35.84	3.71	33.86	10.64	-5.09	-5.30	1.04	100.10
CRMS 0224	23.12	-1.71	153.39	52.66	61.21	10.83	43.22	10.46	-2.25	-3.35	1.57	152.95
CRMS 0163	-0.13	-11.77	-8.63	-16.19	-9.40	-7.13	-7.21	0.63	-13.69	-19.78	1.92	-8.52
CRMS 0162	-13.91	-16.17	-20.41	-12.17	-12.80	-4.95	-6.24	-11.58	-8.41	-4.40	-3.63	-35.96

Figure WQ TSS 230 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.29	22.36	29.39	40.01	27.13	17.74	13.58	13.49	19.25	22.35	10.86	9.45
CRMS0276 - Just east of Wilkinson Canal	55.08	107.48	133.96	117.01	49.74	42.75	31.66	23.28	45.59	47.49	26.73	23.78
Barataria Waterway at Lafitte (USACE82875)	134.00	186.66	184.94	160.97	77.53	69.15	62.21	56.24	91.62	84.04	49.68	80.26
USGS2928590900040000 Barataria Waterway South of Lafitte	12.28	32.86	38.13	55.10	34.43	24.64	13.50	12.57	27.22	29.54	12.01	9.74
USGS7380251 Barataria Bay North of Grand Isle	14.47	18.63	23.38	22.59	17.50	11.29	9.17	11.09	14.99	18.60	11.90	11.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.86	33.10	38.08	43.18	28.35	17.64	13.22	11.76	17.95	23.53	12.16	8.95
USGS 07380335 - Little Lake Near Cutoff	13.38	43.81	51.72	55.01	31.25	20.17	14.89	10.54	17.76	24.49	13.25	10.04
USGS073802516 Barataria Pass at Grand Isle	9.29	29.35	37.08	44.09	29.73	19.38	16.53	11.62	13.10	20.27	11.60	8.83
HWQ14 - Lake Washington	7.58	15.44	21.36	23.04	19.72	11.60	8.92	8.88	9.44	14.50	10.52	8.71
HWQ16 - Bayou Grand Liard	17.87	50.56	73.22	75.61	37.28	23.73	18.46	12.79	16.14	21.13	13.59	11.87
CRMS 3985	23.62	24.87	22.98	15.65	13.28	9.01	6.95	12.32	16.63	20.59	15.02	16.37
CRMS 0258	22.65	70.52	76.43	82.94	44.26	39.13	23.12	22.07	48.35	44.85	18.00	15.04
CRMS 0224	12.26	54.03	57.91	70.04	38.36	28.60	16.46	15.07	34.01	35.48	14.58	10.64
CRMS 0163	177.28	209.36	205.26	171.74	86.89	76.22	70.60	69.57	111.86	88.23	64.88	105.54
CRMS 0162	163.36	191.12	177.09	157.42	80.55	82.26	89.55	77.02	79.57	71.97	34.21	73.84

V3PR8 HYST - cy 5 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	226.49	271.26	259.47	220.68	132.53	125.03	115.70	99.28	140.55	107.93	75.41	133.61
CRMS0276 - Just east of Wilkinson Canal	50.47	95.10	106.73	104.91	44.30	40.07	38.94	30.08	45.48	48.56	27.66	22.98
Barataria Waterway at Lafitte (USACE82875)	134.27	171.02	176.05	150.98	68.94	57.50	47.64	44.94	88.12	80.15	53.93	79.41
USGS2928590900040000 Barataria Waterway South of Lafitte	117.40	182.03	215.01	181.69	102.22	95.14	85.97	55.11	61.49	57.04	15.23	23.75
USGS7380251 Barataria Bay North of Grand Isle	69.65	126.00	157.74	129.42	66.82	63.50	57.44	34.54	31.54	35.52	11.36	13.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	94.80	154.97	172.32	135.21	69.72	70.01	66.72	46.10	36.60	53.51	14.09	15.75
USGS 07380335 - Little Lake Near Cutoff	49.24	113.90	139.61	108.83	55.84	52.88	49.29	30.06	27.43	47.53	14.48	10.62
USGS073802516 Barataria Pass at Grand Isle	41.32	72.40	111.75	86.68	44.95	38.55	38.34	24.47	22.40	38.39	13.01	9.27
HWQ14 - Lake Washington	36.24	57.57	85.17	72.48	38.63	33.33	32.44	21.52	16.06	29.48	10.95	8.80
HWQ16 - Bayou Grand Liard	19.88	62.03	88.67	81.36	39.16	29.76	23.89	14.05	18.24	25.80	14.42	10.71
CRMS 3985	37.68	61.91	91.12	76.94	39.61	36.92	37.56	21.24	11.46	19.89	11.02	14.72
CRMS 0258	54.20	120.40	122.77	101.29	50.90	55.98	53.58	49.70	46.45	55.10	17.86	14.79
CRMS 0224	69.22	136.21	139.88	109.22	54.67	57.66	56.02	45.26	36.58	54.73	14.99	11.86
CRMS 0163	172.05	201.28	199.51	164.05	81.37	69.30	61.85	66.31	111.14	86.17	65.10	106.79
CRMS 0162	153.32	175.23	175.56	157.23	80.95	80.53	90.56	73.73	74.78	66.39	33.79	70.97

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	212.20	248.90	230.08	180.67	105.40	107.29	102.12	85.79	121.30	85.58	64.54	124.15
CRMS0276 - Just east of Wilkinson Canal	-4.61	-12.38	-27.23	-12.10	-5.45	-2.68	7.28	6.80	-0.11	1.07	0.93	-0.80
Barataria Waterway at Lafitte (USACE82875)	0.27	-15.64	-8.89	-9.99	-8.59	-11.65	-14.57	-11.31	-3.50	-3.90	4.25	-0.86
USGS2928590900040000 Barataria Waterway South of Lafitte	105.12	149.16	176.88	126.59	67.78	70.50	72.47	42.53	34.27	27.50	3.21	14.02
USGS7380251 Barataria Bay North of Grand Isle	55.18	107.37	134.36	106.83	49.31	52.21	48.27	23.45	16.55	16.92	-0.54	1.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	84.94	121.88	134.24	92.03	41.36	52.37	53.50	34.35	18.65	29.98	1.93	6.80
USGS 07380335 - Little Lake Near Cutoff	35.86	70.09	87.88	53.82	24.58	32.71	34.40	19.53	9.67	23.04	1.23	0.58
USGS073802516 Barataria Pass at Grand Isle	32.04	43.04	74.67	42.58	15.22	19.17	21.81	12.85	9.29	18.12	1.41	0.44
HWQ14 - Lake Washington	28.66	42.12	63.81	49.44	18.91	21.73	23.52	12.65	6.62	14.98	0.43	0.09
HWQ16 - Bayou Grand Liard	2.01	11.47	15.45	5.75	1.87	6.02	5.43	1.26	2.10	4.66	0.83	-1.16
CRMS 3985	14.05	37.03	68.15	61.29	26.34	27.91	30.61	8.91	-5.18	-0.69	-4.00	-1.65
CRMS 0258	31.55	49.88	46.33	18.35	6.64	16.85	30.46	27.62	-1.90	10.25	-0.14	-0.25
CRMS 0224	56.96	82.18	81.97	39.18	16.32	29.05	39.56	30.19	2.57	19.25	0.42	1.22
CRMS 0163	-5.22	-8.08	-5.75	-7.68	-5.53	-6.92	-8.75	-3.26	-0.72	-2.06	0.22	1.26
CRMS 0162	-10.04	-15.89	-1.53	-0.19	0.41	-1.73	1.02	-3.29	-4.79	-5.58	-0.41	-2.87

Figure WQ TSS 231 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.37	20.34	22.94	28.24	30.66	20.15	14.94	14.88	14.79	15.17	10.92	20.23
CRMS0276 - Just east of Wilkinson Canal	62.35	97.80	88.55	74.15	65.10	31.26	16.77	15.75	22.82	24.81	48.21	85.52
Barataria Waterway at Lafitte (USACE82875)	106.83	152.27	132.47	110.98	93.17	51.44	56.26	51.68	53.27	49.65	101.75	185.97
USGS2928590900040000 Barataria Waterway South of Lafitte	15.92	28.64	29.52	36.89	41.35	26.64	15.38	14.00	17.76	17.12	11.85	21.95
USGS7380251 Barataria Bay North of Grand Isle	15.53	15.18	15.62	16.48	17.79	12.56	10.90	14.89	14.20	14.83	13.51	19.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.72	29.76	30.53	28.63	29.64	19.17	11.40	10.05	12.80	13.48	14.94	20.42
USGS 07380335 - Little Lake Near Cutoff	24.82	40.34	39.77	35.15	33.43	19.45	9.64	9.00	11.07	13.79	19.26	27.18
USGS073802516 Barataria Pass at Grand Isle	18.52	27.89	30.44	29.83	29.60	19.77	12.22	10.13	9.78	12.52	13.59	19.59
HWQ14 - Lake Washington	12.38	13.97	16.58	17.13	18.29	12.68	8.60	8.66	9.84	11.59	10.09	12.78
HWQ16 - Bayou Grand Liard	28.71	51.92	56.41	45.38	43.03	18.75	9.41	13.24	11.44	12.46	21.13	35.93
CRMS 3985	21.96	17.19	12.15	11.35	12.92	9.45	12.06	19.96	17.71	16.97	20.02	27.97
CRMS 0258	31.02	57.97	50.90	52.46	56.63	35.80	19.55	14.94	28.29	23.93	24.17	50.22
CRMS 0224	22.29	46.28	41.82	43.45	47.18	27.70	14.85	12.51	21.52	18.17	19.44	32.36
CRMS 0163	129.33	174.49	151.72	123.94	102.71	55.62	72.19	65.41	65.74	58.07	141.11	224.60
CRMS 0162	122.34	158.54	130.81	107.18	93.20	57.84	89.12	59.33	29.77	31.53	76.05	191.40

V3PR8 HYST - cy 5 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	161.25	233.64	200.71	176.62	147.54	76.46	98.52	85.34	87.17	93.83	144.97	260.10
CRMS0276 - Just east of Wilkinson Canal	58.88	84.60	69.87	62.67	61.87	30.51	16.60	15.73	22.89	24.11	48.12	81.38
Barataria Waterway at Lafitte (USACE82875)	104.71	139.47	122.99	100.47	84.72	48.31	51.86	52.04	49.12	49.19	112.34	180.33
USGS2928590900040000 Barataria Waterway South of Lafitte	89.99	188.51	164.27	141.95	116.43	37.40	36.95	33.46	27.99	29.00	20.30	135.39
USGS7380251 Barataria Bay North of Grand Isle	63.19	130.14	117.34	97.53	80.57	24.34	14.00	13.50	16.14	15.88	15.00	84.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	87.27	146.83	125.37	103.32	84.13	29.27	17.37	15.37	16.57	16.85	16.52	110.15
USGS 07380335 - Little Lake Near Cutoff	60.40	108.46	99.54	78.80	68.90	27.55	13.39	10.50	13.69	13.90	17.59	72.87
USGS073802516 Barataria Pass at Grand Isle	52.02	83.43	79.52	61.27	54.72	25.60	13.32	10.18	10.83	12.47	13.66	47.71
HWQ14 - Lake Washington	41.26	65.08	59.54	50.41	46.72	20.47	10.20	8.55	10.23	12.04	11.28	33.87
HWQ16 - Bayou Grand Liard	34.59	62.70	62.93	52.64	48.10	21.03	9.48	12.61	10.43	11.56	20.25	38.43
CRMS 3985	39.00	64.92	65.02	53.45	48.81	18.52	9.99	12.54	16.70	15.74	16.82	44.34
CRMS 0258	60.00	97.06	85.89	71.93	63.24	34.10	20.04	15.81	24.23	22.53	20.60	85.78
CRMS 0224	71.21	114.88	98.81	80.73	67.38	30.26	17.26	15.30	20.46	18.32	17.31	94.59
CRMS 0163	125.38	164.02	145.55	116.35	97.46	56.14	72.71	65.92	61.28	58.92	142.52	219.19
CRMS 0162	116.16	152.71	128.72	109.37	93.86	58.86	86.13	57.61	27.73	30.28	74.79	181.79

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	145.87	213.30	177.77	148.38	116.88	56.31	83.58	70.46	72.38	78.67	134.05	239.88
CRMS0276 - Just east of Wilkinson Canal	-3.47	-13.19	-18.68	-11.48	-3.24	-0.75	-0.17	-0.01	0.07	-0.70	-0.09	-4.14
Barataria Waterway at Lafitte (USACE82875)	-2.12	-12.81	-9.48	-10.51	-8.45	-3.14	-4.39	0.36	-4.15	-0.47	10.59	-5.64
USGS2928590900040000 Barataria Waterway South of Lafitte	74.07	159.87	134.74	105.05	75.08	10.75	21.57	19.46	10.23	11.88	8.45	113.44
USGS7380251 Barataria Bay North of Grand Isle	47.66	114.96	101.71	81.05	62.78	11.78	3.10	-1.39	1.94	1.05	1.49	65.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	68.55	117.06	94.85	74.69	54.49	10.10	5.97	5.33	3.77	3.37	1.58	89.73
USGS 07380335 - Little Lake Near Cutoff	35.58	68.12	59.78	43.65	35.47	8.10	3.75	1.50	2.63	0.10	-1.67	45.69
USGS073802516 Barataria Pass at Grand Isle	33.51	55.55	49.08	31.44	25.12	5.83	1.10	0.05	1.05	-0.05	0.07	28.12
HWQ14 - Lake Washington	28.88	51.10	42.96	33.28	28.43	7.79	1.60	-0.11	0.39	0.45	1.19	21.09
HWQ16 - Bayou Grand Liard	5.88	10.78	6.52	7.26	5.06	2.29	0.06	-0.63	-1.00	-0.90	-0.88	2.50
CRMS 3985	17.04	47.73	52.88	42.10	35.90	9.07	-2.07	-7.42	-1.01	-1.23	-3.20	16.37
CRMS 0258	28.99	39.09	34.99	19.47	6.61	-1.70	0.49	0.87	-4.05	-1.40	-3.57	35.57
CRMS 0224	48.92	68.60	56.99	37.28	20.20	2.56	2.42	2.80	-1.06	0.15	-2.13	62.23
CRMS 0163	-3.95	-10.47	-6.17	-7.58	-5.25	0.52	0.52	0.52	-4.45	0.85	1.41	-5.40
CRMS 0162	-6.18	-5.84	-2.09	2.20	0.66	1.02	-2.99	-1.72	-2.04	-1.25	-1.26	-9.61

Figure WQ TSS 232 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.33	21.19	19.19	43.67	37.35	23.32	15.51	15.64	12.65	14.69	19.81	22.70
CRMS0276 - Just east of Wilkinson Canal	39.98	141.97	99.52	124.65	95.13	51.34	16.55	12.17	15.47	26.67	84.57	81.61
Barataria Waterway at Lafitte (USACE82875)	97.18	222.57	169.46	145.97	142.92	98.21	48.15	33.46	22.84	102.99	159.19	156.77
USGS2928590900040000 Barataria Waterway South of Lafitte	10.33	33.88	25.30	64.27	52.12	33.53	15.30	13.99	12.90	14.74	22.11	27.47
USGS7380251 Barataria Bay North of Grand Isle	11.84	10.28	14.65	26.32	22.41	15.21	16.70	16.34	11.67	17.40	19.80	20.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.03	34.03	23.42	42.59	33.68	23.61	12.82	10.59	10.00	11.32	21.40	26.71
USGS 07380335 - Little Lake Near Cutoff	15.80	50.33	30.84	52.77	37.82	25.80	11.52	12.04	9.61	12.99	28.81	33.53
USGS073802516 Barataria Pass at Grand Isle	12.73	31.84	23.14	40.93	31.09	22.84	12.80	11.17	8.53	10.99	19.64	25.06
HWQ14 - Lake Washington	9.99	11.48	13.04	24.42	20.77	14.80	11.07	9.83	8.80	11.50	13.63	16.43
HWQ16 - Bayou Grand Liard	16.78	65.55	44.34	71.75	43.72	28.46	13.56	12.76	11.80	13.29	35.97	39.10
CRMS 3985	16.85	5.74	17.62	22.47	18.70	15.14	21.96	19.60	11.45	23.11	27.52	27.49
CRMS 0258	17.15	79.26	51.09	101.63	78.88	44.66	16.51	13.13	18.99	21.46	45.28	51.18
CRMS 0224	14.04	59.44	36.30	81.34	60.21	37.36	15.63	12.11	13.76	14.21	29.86	38.42
CRMS 0163	136.47	237.03	204.81	147.19	165.58	102.46	60.99	46.42	27.05	121.73	205.96	182.06
CRMS 0162	95.52	177.25	100.64	110.36	120.80	80.64	45.55	33.07	16.78	52.40	132.53	146.31

V3PR8 HYST - cy 5 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	171.01	261.56	234.50	156.51	203.00	119.24	90.06	56.88	48.67	159.22	193.24	170.44
CRMS0276 - Just east of Wilkinson Canal	39.56	121.41	89.69	121.91	82.44	50.70	17.01	10.95	14.33	24.94	84.68	82.15
Barataria Waterway at Lafitte (USACE82875)	98.21	215.02	168.28	150.21	138.44	96.33	46.83	32.79	21.09	91.97	174.13	161.83
USGS2928590900040000 Barataria Waterway South of Lafitte	40.62	159.88	125.11	56.27	122.60	30.30	30.44	27.00	19.71	33.17	26.90	23.45
USGS7380251 Barataria Bay North of Grand Isle	23.93	109.88	86.76	55.74	84.61	19.78	11.81	13.00	11.83	19.79	23.99	21.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.13	140.51	100.19	72.52	111.79	27.75	16.35	13.28	11.93	16.66	24.37	26.41
USGS 07380335 - Little Lake Near Cutoff	15.45	105.09	65.51	79.96	80.85	30.26	13.93	10.30	9.96	12.36	28.39	33.39
USGS073802516 Barataria Pass at Grand Isle	13.45	90.94	57.64	73.31	56.03	26.33	13.48	9.59	8.49	10.96	21.53	25.56
HWQ14 - Lake Washington	12.11	65.62	41.00	53.20	42.80	18.06	9.58	8.00	8.15	12.83	16.78	17.04
HWQ16 - Bayou Grand Liard	16.56	70.65	45.55	78.95	47.03	29.94	13.19	11.86	10.25	11.76	36.62	38.93
CRMS 3985	20.77	54.13	38.09	45.12	40.31	15.39	9.22	14.04	10.07	22.27	26.16	24.86
CRMS 0258	16.40	92.19	61.12	84.20	82.89	36.69	15.31	12.01	15.29	19.38	43.71	47.73
CRMS 0224	16.05	107.18	70.93	75.56	90.01	33.18	16.14	12.46	12.99	15.24	27.85	35.37
CRMS 0163	134.62	228.93	203.30	148.70	162.41	106.48	62.29	45.20	26.09	119.00	207.95	184.41
CRMS 0162	91.10	159.57	97.71	109.21	121.61	82.68	44.18	32.36	16.12	49.68	128.79	143.97

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	160.68	240.37	215.32	112.84	165.65	95.92	74.55	41.23	36.01	144.53	173.43	147.74
CRMS0276 - Just east of Wilkinson Canal	-0.43	-20.57	-9.83	-2.74	-12.69	-0.65	0.46	-1.21	-1.14	-1.73	0.11	0.55
Barataria Waterway at Lafitte (USACE82875)	1.03	-7.55	-1.18	4.24	-4.48	-1.88	-1.32	-0.67	-1.75	-11.02	14.94	5.07
USGS2928590900040000 Barataria Waterway South of Lafitte	30.29	126.01	99.82	-8.00	70.48	-3.24	15.14	13.01	6.81	18.44	4.79	-4.02
USGS7380251 Barataria Bay North of Grand Isle	12.10	99.60	72.11	29.42	62.19	4.57	-4.89	-3.34	0.16	2.38	4.19	0.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.10	106.48	76.77	29.93	78.11	4.14	3.53	2.68	1.93	5.34	2.97	-0.31
USGS 07380335 - Little Lake Near Cutoff	-0.35	54.76	34.67	27.20	43.04	4.46	2.41	-1.74	0.35	-0.63	-0.42	-0.15
USGS073802516 Barataria Pass at Grand Isle	0.72	59.09	34.50	32.38	24.93	3.49	0.68	-1.58	-0.04	-0.03	1.89	0.50
HWQ14 - Lake Washington	2.12	54.14	27.96	28.78	22.04	3.25	-1.49	-1.83	-0.65	1.33	3.15	0.61
HWQ16 - Bayou Grand Liard	-0.22	5.10	1.21	7.19	3.30	1.48	-0.37	-0.90	-1.56	-1.53	0.65	-0.17
CRMS 3985	3.92	48.38	20.47	22.66	21.61	0.25	-12.74	-5.55	-1.38	-0.84	-1.36	-2.64
CRMS 0258	-0.75	12.93	10.03	-17.43	4.02	-7.98	-1.20	-1.12	-3.70	-2.09	-1.57	-3.45
CRMS 0224	2.01	47.74	34.63	-5.78	29.79	-4.18	0.51	0.35	-0.78	1.02	-2.01	-3.05
CRMS 0163	-1.85	-8.10	-1.51	1.51	-3.17	4.02	1.30	-1.22	-0.96	-2.73	2.00	2.35
CRMS 0162	-4.41	-17.68	-2.93	-1.15	0.81	2.04	-1.37	-0.71	-0.66	-2.72	-3.73	-2.34

Figure WQ TSS 233 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.16	15.55	18.43	29.21	29.56	25.27	20.48	21.12	21.20	20.27	11.77	11.39
CRMS0276 - Just east of Wilkinson Canal	40.39	90.69	54.76	79.60	78.45	59.50	33.99	31.85	44.41	35.45	33.66	41.83
Barataria Waterway at Lafitte (USACE82875)	86.19	132.93	88.50	105.52	118.66	86.50	87.63	79.97	78.78	77.54	63.20	117.94
USGS2928590900040000 Barataria Waterway South of Lafitte	9.89	22.28	23.01	40.23	40.85	36.30	19.10	20.01	28.81	25.03	13.41	11.51
USGS7380251 Barataria Bay North of Grand Isle	10.33	11.27	12.21	16.04	17.45	14.36	18.09	19.27	17.34	18.15	12.53	13.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.02	24.47	22.48	28.79	27.16	24.01	14.57	14.37	19.18	19.65	13.04	10.78
USGS 07380335 - Little Lake Near Cutoff	14.71	35.73	27.57	36.20	30.94	27.87	14.89	12.57	18.37	18.75	14.75	12.97
USGS073802516 Barataria Pass at Grand Isle	11.12	24.17	22.02	29.04	26.66	24.66	16.35	12.99	14.73	17.08	12.10	10.55
HWQ14 - Lake Washington	7.84	10.55	13.34	16.04	16.91	13.38	11.06	11.22	12.26	14.49	10.70	9.28
HWQ16 - Bayou Grand Liard	18.65	49.51	33.52	47.01	38.21	35.14	18.42	15.42	17.30	15.21	15.91	16.94
CRMS 3985	14.69	11.97	9.17	10.76	12.98	12.28	23.40	23.70	20.42	21.08	16.09	20.23
CRMS 0258	18.58	49.07	36.23	59.93	60.98	51.98	29.06	29.57	45.78	35.82	20.83	22.26
CRMS 0224	12.78	38.89	29.98	49.23	46.34	39.44	18.51	18.73	35.00	28.30	16.18	14.36
CRMS 0163	112.31	145.49	109.23	112.05	132.44	95.14	100.90	96.54	92.12	89.01	81.69	150.25
CRMS 0162	104.04	132.42	77.53	98.26	108.08	100.12	128.74	105.16	58.56	52.02	45.61	106.26

V3PR8 HYST - cy 5 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	165.36	193.14	156.07	157.87	185.50	148.19	159.14	132.81	104.89	113.01	91.03	148.77
CRMS0276 - Just east of Wilkinson Canal	46.21	72.69	44.52	71.16	64.97	53.40	48.50	43.07	45.87	35.49	33.81	41.64
Barataria Waterway at Lafitte (USACE82875)	83.25	124.43	80.96	99.19	108.21	75.20	64.73	66.20	79.80	75.10	68.91	123.55
USGS2928590900040000 Barataria Waterway South of Lafitte	118.71	156.43	111.87	121.10	145.32	110.93	116.19	69.56	30.54	33.61	16.70	19.36
USGS7380251 Barataria Bay North of Grand Isle	73.73	110.68	73.05	85.58	103.57	75.20	74.98	47.39	16.40	16.42	12.87	14.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	89.35	118.75	86.48	93.88	111.51	86.91	95.77	61.94	24.80	21.89	14.42	14.36
USGS 07380335 - Little Lake Near Cutoff	55.25	89.68	59.37	75.07	85.23	64.61	66.04	43.35	24.68	20.58	14.90	14.00
USGS073802516 Barataria Pass at Grand Isle	44.96	74.00	47.80	61.53	59.78	46.73	48.34	36.43	18.75	17.17	12.69	12.13
HWQ14 - Lake Washington	36.18	57.19	34.60	50.36	49.53	40.40	38.42	30.34	13.33	13.13	10.96	10.73
HWQ16 - Bayou Grand Liard	24.17	56.05	34.70	53.77	47.52	40.33	26.38	19.37	19.50	15.43	15.87	17.08
CRMS 3985	34.35	58.06	33.96	50.37	55.08	43.22	43.41	29.44	10.85	15.53	13.54	18.15
CRMS 0258	55.17	77.45	49.74	68.93	80.27	69.11	74.82	60.97	43.55	34.23	19.46	20.99
CRMS 0224	67.42	91.40	62.57	75.00	86.76	73.13	81.87	56.34	34.49	27.13	15.48	14.63
CRMS 0163	105.19	138.11	103.83	105.79	127.06	88.07	88.50	91.83	93.64	89.62	81.76	153.29
CRMS 0162	99.79	131.11	77.04	99.94	106.33	100.96	128.93	101.35	54.90	49.70	43.86	102.45

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	155.20	177.59	137.63	128.66	155.94	122.92	138.66	111.68	83.70	92.74	79.26	137.38
CRMS0276 - Just east of Wilkinson Canal	5.82	-18.00	-10.25	-8.44	-13.48	-6.10	14.51	11.22	1.46	0.04	0.15	-0.20
Barataria Waterway at Lafitte (USACE82875)	-2.94	-8.50	-7.54	-6.32	-10.45	-11.30	-22.90	-13.77	1.02	-2.43	5.71	5.61
USGS2928590900040000 Barataria Waterway South of Lafitte	108.82	134.15	88.86	80.87	104.48	74.63	97.09	49.56	1.74	8.58	3.29	7.85
USGS7380251 Barataria Bay North of Grand Isle	63.39	99.41	60.84	69.54	86.12	60.85	56.88	28.12	-0.94	-1.73	0.34	1.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	78.33	94.28	63.99	65.08	84.35	62.90	81.20	47.57	5.61	2.24	1.38	3.58
USGS 07380335 - Little Lake Near Cutoff	40.54	53.96	31.80	38.87	54.30	36.74	51.14	30.79	6.31	1.84	0.16	1.04
USGS073802516 Barataria Pass at Grand Isle	33.84	49.83	25.79	32.49	33.12	22.07	31.99	23.44	4.02	0.09	0.59	1.58
HWQ14 - Lake Washington	28.35	46.63	21.27	34.32	32.62	27.02	27.36	19.13	1.06	-1.36	0.26	1.45
HWQ16 - Bayou Grand Liard	5.53	6.54	1.18	6.75	9.31	5.19	7.96	3.95	2.20	0.22	-0.04	0.14
CRMS 3985	19.66	46.09	24.79	39.62	42.10	30.95	20.02	5.74	-9.57	-5.55	-2.55	-2.09
CRMS 0258	36.58	28.38	13.52	9.00	19.29	17.13	45.76	31.40	-2.23	-1.59	-1.37	-1.26
CRMS 0224	54.64	52.51	32.60	25.77	40.42	33.69	63.36	37.61	-0.51	-1.17	-0.70	0.26
CRMS 0163	-7.12	-7.38	-5.40	-6.26	-5.38	-7.07	-12.39	-4.70	1.52	0.61	0.07	3.04
CRMS 0162	-4.25	-1.31	-0.50	1.68	-1.75	0.84	0.19	-3.81	-3.66	-2.32	-1.75	-3.82

Figure WQ TSS 234 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.12	9.54	24.21	44.25	44.38	26.93	17.49	17.84	16.85	18.09	10.40	22.62
CRMS0276 - Just east of Wilkinson Canal	68.67	49.83	141.99	118.50	134.12	41.82	22.47	22.01	33.97	28.30	31.51	126.59
Barataria Waterway at Lafitte (USACE82875)	114.05	102.33	238.26	159.19	185.79	61.74	56.25	54.53	61.62	57.87	67.94	241.48
USGS2928590900040000 Barataria Waterway South of Lafitte	17.70	15.28	27.92	60.08	64.67	35.70	17.07	16.61	23.07	22.67	11.26	26.13
USGS7380251 Barataria Bay North of Grand Isle	15.14	7.37	15.02	24.90	23.28	16.02	14.19	15.95	14.08	16.07	11.76	20.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.11	18.70	26.79	46.66	43.00	27.61	13.25	12.15	15.45	17.46	12.85	23.51
USGS 07380335 - Little Lake Near Cutoff	33.26	24.12	39.49	58.35	54.42	29.87	12.37	9.48	14.09	16.59	15.53	35.15
USGS073802516 Barataria Pass at Grand Isle	25.02	17.53	27.88	46.92	42.46	28.77	15.08	11.14	12.03	15.19	11.90	24.44
HWQ14 - Lake Washington	14.84	9.21	13.37	24.84	23.25	17.18	10.02	9.77	10.40	13.02	9.58	13.01
HWQ16 - Bayou Grand Liard	36.01	27.13	71.94	75.96	78.40	34.05	12.57	11.68	13.37	13.19	16.57	53.84
CRMS 3985	20.08	8.19	11.23	16.81	16.87	12.23	16.46	19.14	16.54	18.05	16.06	29.48
CRMS 0258	34.42	31.91	63.67	88.14	98.18	41.24	23.99	23.91	36.65	31.83	17.28	60.54
CRMS 0224	29.25	27.80	41.22	74.71	80.04	36.48	16.62	15.91	28.12	25.27	14.29	37.87
CRMS 0163	136.28	115.90	282.66	171.31	201.30	67.04	68.40	69.23	73.98	60.18	98.39	277.55
CRMS 0162	123.25	67.85	215.81	150.43	176.66	72.23	88.52	72.28	38.42	31.45	49.79	255.90

V3PR8 HYST - cy 5 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	142.12	134.42	354.97	229.55	250.40	111.73	117.22	87.64	84.88	82.34	126.03	347.08
CRMS0276 - Just east of Wilkinson Canal	69.12	49.63	113.97	105.60	124.11	38.87	33.95	26.38	34.20	27.20	31.78	97.86
Barataria Waterway at Lafitte (USACE82875)	112.81	103.83	226.35	146.23	171.51	53.73	40.66	50.72	60.36	50.51	73.92	222.77
USGS2928590900040000 Barataria Waterway South of Lafitte	34.85	16.39	286.03	188.02	210.99	82.53	83.16	34.69	28.49	30.93	28.01	283.61
USGS7380251 Barataria Bay North of Grand Isle	39.84	13.63	202.33	135.25	158.19	52.25	53.49	20.73	14.17	16.52	17.73	199.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	52.25	20.78	230.45	144.91	163.87	56.23	66.38	25.50	19.33	19.28	17.23	232.29
USGS 07380335 - Little Lake Near Cutoff	55.94	26.23	170.82	114.83	135.96	44.33	45.45	19.53	18.01	17.31	14.36	165.67
USGS073802516 Barataria Pass at Grand Isle	50.89	19.97	128.82	89.64	101.07	36.31	34.58	18.39	13.22	14.77	12.19	132.29
HWQ14 - Lake Washington	43.38	12.80	89.32	76.16	84.01	32.25	28.10	17.04	9.88	12.88	10.46	84.58
HWQ16 - Bayou Grand Liard	42.96	28.35	85.78	83.84	89.14	32.73	18.24	12.86	13.94	12.72	16.07	70.37
CRMS 3985	39.73	15.68	102.84	79.57	94.07	32.90	32.35	15.32	11.87	16.41	15.06	91.48
CRMS 0258	47.30	28.37	146.26	107.31	123.97	43.75	55.31	33.54	33.19	28.95	16.51	137.37
CRMS 0224	51.74	26.03	178.43	118.04	132.80	44.72	56.57	26.06	27.03	23.26	14.11	172.62
CRMS 0163	136.41	116.08	274.26	158.99	192.80	61.46	60.77	69.21	73.04	54.51	99.09	268.80
CRMS 0162	120.76	62.26	204.97	150.43	177.22	73.49	89.71	71.91	36.02	29.81	49.23	244.88

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	128.00	124.88	330.76	185.30	206.02	84.80	99.72	69.80	68.03	64.25	115.63	324.46
CRMS0276 - Just east of Wilkinson Canal	0.45	-0.20	-28.03	-12.90	-10.01	-2.94	11.49	4.38	0.23	-1.10	0.27	-28.72
Barataria Waterway at Lafitte (USACE82875)	-1.24	1.50	-11.91	-12.96	-14.28	-8.01	-15.59	-3.82	-1.25	-7.36	5.98	-18.71
USGS2928590900040000 Barataria Waterway South of Lafitte	17.14	1.11	258.11	127.95	146.31	46.83	66.09	18.08	5.43	8.26	16.75	257.48
USGS7380251 Barataria Bay North of Grand Isle	24.70	6.25	187.30	110.35	134.91	36.24	39.29	4.78	0.09	0.45	5.97	178.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	27.15	2.08	203.66	98.25	120.87	28.62	53.13	13.35	3.88	1.82	4.38	208.78
USGS 07380335 - Little Lake Near Cutoff	22.68	2.11	131.34	56.48	81.54	14.46	33.08	10.05	3.92	0.72	-1.17	130.52
USGS073802516 Barataria Pass at Grand Isle	25.86	2.44	100.94	42.72	58.61	7.54	19.50	7.25	1.19	-0.43	0.28	107.84
HWQ14 - Lake Washington	28.54	3.59	75.95	51.32	60.76	15.06	18.08	7.27	-0.52	-0.14	0.89	71.57
HWQ16 - Bayou Grand Liard	6.95	1.22	13.84	7.87	10.74	-1.32	5.67	1.19	0.57	-0.48	-0.50	16.53
CRMS 3985	19.65	7.50	91.62	62.76	77.20	20.67	15.89	-3.83	-4.68	-1.64	-1.00	61.99
CRMS 0258	12.88	-3.54	82.59	19.17	25.80	2.51	31.32	9.63	-3.47	-2.88	-0.77	76.82
CRMS 0224	22.49	-1.77	137.21	43.32	52.76	8.24	39.96	10.15	-1.08	-2.01	-0.18	134.75
CRMS 0163	0.12	0.18	-8.40	-12.32	-8.50	-5.58	-7.63	-0.02	-0.94	-5.67	0.70	-8.75
CRMS 0162	-2.48	-5.59	-10.85	0.00	0.57	1.26	1.18	-0.37	-2.40	-1.64	-0.57	-11.02

Figure WQ TSS 235 - Monthly Average Total Suspended Solids (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.29	22.36	29.39	40.01	27.13	17.74	13.58	13.49	19.25	22.35	10.86	9.45
CRMS0276 - Just east of Wilkinson Canal	55.08	107.48	133.96	117.01	49.74	42.75	31.66	23.28	45.59	47.49	26.73	23.78
Barataria Waterway at Lafitte (USACE82875)	134.00	186.66	184.94	160.97	77.53	69.15	62.21	56.24	91.62	84.04	49.68	80.26
USGS2928590900040000 Barataria Waterway South of Lafitte	12.28	32.86	38.13	55.10	34.43	24.64	13.50	12.57	27.22	29.54	12.01	9.74
USGS7380251 Barataria Bay North of Grand Isle	14.47	18.63	23.38	22.59	17.50	11.29	9.17	11.09	14.99	18.60	11.90	11.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	9.86	33.10	38.08	43.18	28.35	17.64	13.22	11.76	17.95	23.53	12.16	8.95
USGS 07380335 - Little Lake Near Cutoff	13.38	43.81	51.72	55.01	31.25	20.17	14.89	10.54	17.76	24.49	13.25	10.04
USGS073802516 Barataria Pass at Grand Isle	9.29	29.35	37.08	44.09	29.73	19.38	16.53	11.62	13.10	20.27	11.60	8.83
HWQ14 - Lake Washington	7.58	15.44	21.36	23.04	19.72	11.60	8.92	8.88	9.44	14.50	10.52	8.71
HWQ16 - Bayou Grand Liard	17.87	50.56	73.22	75.61	37.28	23.73	18.46	12.79	16.14	21.13	13.59	11.87
CRMS 3985	23.62	24.87	22.98	15.65	13.28	9.01	6.95	12.32	16.63	20.59	15.02	16.37
CRMS 0258	22.65	70.52	76.43	82.94	44.26	39.13	23.12	22.07	48.35	44.85	18.00	15.04
CRMS 0224	12.26	54.03	57.91	70.04	38.36	28.60	16.46	15.07	34.01	35.48	14.58	10.64
CRMS 0163	177.28	209.36	205.26	171.74	86.89	76.22	70.60	69.57	111.86	88.23	64.88	105.54
CRMS 0162	163.36	191.12	177.09	157.42	80.55	82.26	89.55	77.02	79.57	71.97	34.21	73.84

V3PR9 HYST - cy 5 - 2008 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.23	19.83	26.41	37.06	26.05	16.86	14.85	14.74	17.45	20.24	9.69	8.75
CRMS0276 - Just east of Wilkinson Canal	38.67	89.28	116.20	107.19	46.56	38.28	24.03	17.94	36.62	37.24	28.07	26.28
Barataria Waterway at Lafitte (USACE82875)	107.82	160.80	166.76	141.13	62.52	54.86	47.65	40.23	69.26	61.75	43.82	60.79
USGS2928590900040000 Barataria Waterway South of Lafitte	11.74	28.22	31.86	50.59	33.01	22.88	13.17	12.68	22.27	25.80	10.13	8.85
USGS7380251 Barataria Bay North of Grand Isle	14.36	17.23	23.53	22.20	16.91	11.13	13.37	13.86	15.51	18.24	11.37	10.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.22	27.66	30.29	39.72	27.43	16.15	10.98	10.18	14.62	19.87	12.53	9.36
USGS 07380335 - Little Lake Near Cutoff	10.22	37.38	40.63	50.40	30.05	18.34	11.30	8.55	13.69	20.53	15.25	11.67
USGS073802516 Barataria Pass at Grand Isle	7.62	24.79	30.15	39.95	28.38	17.66	13.06	10.27	11.12	16.98	11.49	9.27
HWQ14 - Lake Washington	7.41	13.48	19.71	22.16	18.53	10.65	8.82	8.78	9.60	13.66	9.67	8.08
HWQ16 - Bayou Grand Liard	12.69	43.24	58.85	66.28	33.84	19.95	12.77	12.02	13.09	16.97	15.25	14.28
CRMS 3985	23.41	23.73	27.31	16.43	12.86	9.87	16.09	15.68	17.34	20.77	14.80	15.98
CRMS 0258	18.59	62.43	64.04	76.50	42.87	36.96	20.53	20.21	42.05	38.26	17.43	17.40
CRMS 0224	9.93	46.20	45.41	63.92	37.22	26.34	13.75	12.85	27.54	29.94	15.24	12.50
CRMS 0163	158.37	191.43	192.18	159.31	78.66	69.12	62.04	61.55	93.84	65.71	57.45	83.50
CRMS 0162	133.18	144.08	164.19	143.89	72.04	73.63	81.50	59.31	49.06	50.98	35.08	63.79

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.06	-2.53	-2.98	-2.95	-1.09	-0.88	1.28	1.25	-1.80	-2.10	-1.17	-0.70
CRMS0276 - Just east of Wilkinson Canal	-16.41	-18.20	-17.76	-9.82	-3.18	-4.47	-7.64	-5.35	-8.97	-10.25	1.33	2.50
Barataria Waterway at Lafitte (USACE82875)	-26.18	-25.86	-18.18	-19.84	-15.01	-14.29	-14.56	-16.01	-22.36	-22.29	-5.86	-19.47
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.54	-4.64	-6.27	-4.51	-1.43	-1.77	-0.33	0.10	-4.95	-3.75	-1.88	-0.89
USGS7380251 Barataria Bay North of Grand Isle	-0.11	-1.40	0.15	-0.39	-0.60	-0.16	4.21	2.77	0.53	-0.36	-0.53	-0.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.64	-5.44	-7.79	-3.46	-0.92	-1.49	-2.23	-1.58	-3.33	-3.66	0.37	0.41
USGS 07380335 - Little Lake Near Cutoff	-3.16	-6.43	-11.09	-4.61	-1.20	-1.83	-3.59	-1.99	-4.06	-3.96	2.00	1.63
USGS073802516 Barataria Pass at Grand Isle	-1.67	-4.56	-6.93	-4.14	-1.35	-1.72	-3.46	-1.35	-1.98	-3.29	-0.11	0.44
HWQ14 - Lake Washington	-0.17	-1.97	-1.65	-0.87	-1.19	-0.95	-0.09	-0.10	0.16	-0.84	-0.86	-0.63
HWQ16 - Bayou Grand Liard	-5.18	-7.32	-14.36	-9.33	-3.45	-3.79	-5.69	-0.77	-3.04	-4.17	1.65	2.41
CRMS 3985	-0.21	-1.14	4.33	0.78	-0.42	0.85	9.14	3.35	0.71	0.18	-0.22	-0.39
CRMS 0258	-4.06	-8.09	-12.39	-6.45	-1.39	-2.17	-2.59	-1.87	-6.29	-6.60	-0.58	2.36
CRMS 0224	-2.32	-7.84	-12.50	-6.13	-1.14	-2.27	-2.71	-2.22	-6.47	-5.53	0.67	1.86
CRMS 0163	-18.90	-17.93	-13.08	-12.43	-8.24	-7.10	-8.56	-8.02	-18.02	-22.51	-7.43	-22.03
CRMS 0162	-30.19	-47.04	-12.90	-13.53	-8.50	-8.63	-8.05	-17.71	-30.50	-20.99	0.87	-10.06

Figure WQ TSS 236 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.37	20.34	22.94	28.24	30.66	20.15	14.94	14.88	14.79	15.17	10.92	20.23
CRMS0276 - Just east of Wilkinson Canal	62.35	97.80	88.55	74.15	65.10	31.26	16.77	15.75	22.82	24.81	48.21	85.52
Barataria Waterway at Lafitte (USACE82875)	106.83	152.27	132.47	110.98	93.17	51.44	56.26	51.68	53.27	49.65	101.75	185.97
USGS2928590900040000 Barataria Waterway South of Lafitte	15.92	28.64	29.52	36.89	41.35	26.64	15.38	14.00	17.76	17.12	11.85	21.95
USGS7380251 Barataria Bay North of Grand Isle	15.53	15.18	15.62	16.48	17.79	12.56	10.90	14.89	14.20	14.83	13.51	19.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.72	29.76	30.53	28.63	29.64	19.17	11.40	10.05	12.80	13.48	14.94	20.42
USGS 07380335 - Little Lake Near Cutoff	24.82	40.34	39.77	35.15	33.43	19.45	9.64	9.00	11.07	13.79	19.26	27.18
USGS073802516 Barataria Pass at Grand Isle	18.52	27.89	30.44	29.83	29.60	19.77	12.22	10.13	9.78	12.52	13.59	19.59
HWQ14 - Lake Washington	12.38	13.97	16.58	17.13	18.29	12.68	8.60	8.66	9.84	11.59	10.09	12.78
HWQ16 - Bayou Grand Liard	28.71	51.92	56.41	45.38	43.03	18.75	9.41	13.24	11.44	12.46	21.13	35.93
CRMS 3985	21.96	17.19	12.15	11.35	12.92	9.45	12.06	19.96	17.71	16.97	20.02	27.97
CRMS 0258	31.02	57.97	50.90	52.46	56.63	35.80	19.55	14.94	28.29	23.93	24.17	50.22
CRMS 0224	22.29	46.28	41.82	43.45	47.18	27.70	14.85	12.51	21.52	18.17	19.44	32.36
CRMS 0163	129.33	174.49	151.72	123.94	102.71	55.62	72.19	65.41	65.74	58.07	141.11	224.60
CRMS 0162	122.34	158.54	130.81	107.18	93.20	57.84	89.12	59.33	29.77	31.53	76.05	191.40

V3PR9 HYST - cy 5 - 1994 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	13.48	17.44	21.06	26.64	26.19	17.48	13.78	12.99	11.69	11.06	9.60	17.86
CRMS0276 - Just east of Wilkinson Canal	45.74	79.90	77.89	65.60	59.21	29.20	13.70	12.26	18.18	18.00	42.47	63.25
Barataria Waterway at Lafitte (USACE82875)	91.88	130.48	115.72	93.10	78.17	43.57	39.66	33.27	26.57	28.20	91.05	156.85
USGS2928590900040000 Barataria Waterway South of Lafitte	12.83	23.92	25.69	34.55	36.12	22.44	12.07	10.87	11.56	10.43	9.69	18.05
USGS7380251 Barataria Bay North of Grand Isle	13.64	13.91	16.65	16.29	15.19	11.23	14.46	15.60	13.75	13.37	13.35	16.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.41	23.85	25.91	27.22	26.22	16.45	9.65	8.73	9.75	9.46	12.19	16.49
USGS 07380335 - Little Lake Near Cutoff	17.25	32.66	33.35	32.64	30.48	17.72	8.61	9.55	9.26	10.82	15.87	21.60
USGS073802516 Barataria Pass at Grand Isle	13.06	22.40	25.99	27.91	26.58	17.54	10.66	9.00	8.49	9.41	11.76	15.89
HWQ14 - Lake Washington	10.04	11.69	15.95	16.68	15.61	10.74	9.06	9.21	9.38	9.54	9.21	11.33
HWQ16 - Bayou Grand Liard	19.58	41.51	46.37	39.64	36.33	17.28	9.03	11.58	11.01	10.46	17.78	26.92
CRMS 3985	19.32	17.47	16.13	11.74	11.42	10.20	19.91	20.79	17.62	16.64	20.75	22.90
CRMS 0258	23.04	49.10	44.65	48.56	52.55	32.42	15.16	10.40	19.66	14.19	20.65	40.15
CRMS 0224	15.81	37.76	35.23	40.22	42.94	24.55	11.58	9.76	14.35	12.49	15.27	24.82
CRMS 0163	117.20	156.90	140.32	112.02	94.19	52.70	62.66	50.93	28.88	35.47	128.20	204.47
CRMS 0162	106.88	142.37	118.41	96.91	80.40	44.50	65.84	48.52	23.74	25.48	68.14	152.30

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.89	-2.90	-1.87	-1.60	-4.47	-2.66	-1.16	-1.90	-3.10	-4.10	-1.33	-2.37
CRMS0276 - Just east of Wilkinson Canal	-16.61	-17.90	-10.66	-8.55	-5.90	-2.06	-3.07	-3.49	-4.64	-6.82	-5.74	-22.27
Barataria Waterway at Lafitte (USACE82875)	-14.96	-21.79	-16.75	-17.88	-14.99	-7.87	-16.59	-18.41	-26.69	-21.46	-10.69	-29.12
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.09	-4.72	-3.83	-2.34	-5.23	-4.20	-3.31	-3.14	-6.20	-6.69	-2.16	-3.90
USGS7380251 Barataria Bay North of Grand Isle	-1.89	-1.27	1.03	-0.19	-2.60	-1.33	3.56	0.70	-0.45	-1.46	-0.16	-2.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	-5.31	-5.91	-4.61	-1.41	-3.41	-2.72	-1.75	-1.31	-3.05	-4.02	-2.76	-3.93
USGS 07380335 - Little Lake Near Cutoff	-7.57	-7.68	-6.42	-2.51	-2.95	-1.73	-1.03	0.54	-1.81	-2.98	-3.39	-5.58
USGS073802516 Barataria Pass at Grand Isle	-5.45	-5.49	-4.45	-1.92	-3.02	-2.23	-1.55	-1.14	-1.29	-3.11	-1.83	-3.69
HWQ14 - Lake Washington	-2.34	-2.28	-0.63	-0.45	-2.69	-1.93	0.47	0.55	-0.46	-2.05	-0.87	-1.45
HWQ16 - Bayou Grand Liard	-9.14	-10.41	-10.04	-5.73	-6.70	-1.47	-0.39	-1.67	-0.43	-2.00	-3.35	-9.01
CRMS 3985	-2.64	0.29	3.99	0.38	-1.50	0.75	7.85	0.84	-0.09	-0.33	0.74	-5.08
CRMS 0258	-7.98	-8.88	-6.25	-3.90	-4.08	-3.38	-4.38	-4.54	-8.62	-9.74	-3.52	-10.07
CRMS 0224	-6.48	-8.51	-6.59	-3.22	-4.25	-3.15	-3.26	-2.75	-7.17	-5.68	-4.17	-7.53
CRMS 0163	-12.13	-17.59	-11.40	-11.91	-8.52	-2.92	-9.53	-14.48	-36.86	-22.60	-12.91	-20.13
CRMS 0162	-15.46	-16.18	-12.40	-10.26	-12.80	-13.34	-23.29	-10.81	-6.03	-6.06	-7.91	-39.10

Figure WQ TSS 237 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.33	21.19	19.19	43.67	37.35	23.32	15.51	15.64	12.65	14.69	19.81	22.70
CRMS0276 - Just east of Wilkinson Canal	39.98	141.97	99.52	124.65	95.13	51.34	16.55	12.17	15.47	26.67	84.57	81.61
Barataria Waterway at Lafitte (USACE82875)	97.18	222.57	169.46	145.97	142.92	98.21	48.15	33.46	22.84	102.99	159.19	156.77
USGS2928590900040000 Barataria Waterway South of Lafitte	10.33	33.88	25.30	64.27	52.12	33.53	15.30	13.99	12.90	14.74	22.11	27.47
USGS7380251 Barataria Bay North of Grand Isle	11.84	10.28	14.65	26.32	22.41	15.21	16.70	16.34	11.67	17.40	19.80	20.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.03	34.03	23.42	42.59	33.68	23.61	12.82	10.59	10.00	11.32	21.40	26.71
USGS 07380335 - Little Lake Near Cutoff	15.80	50.33	30.84	52.77	37.82	25.80	11.52	12.04	9.61	12.99	28.81	33.53
USGS073802516 Barataria Pass at Grand Isle	12.73	31.84	23.14	40.93	31.09	22.84	12.80	11.17	8.53	10.99	19.64	25.06
HWQ14 - Lake Washington	9.99	11.48	13.04	24.42	20.77	14.80	11.07	9.83	8.80	11.50	13.63	16.43
HWQ16 - Bayou Grand Liard	16.78	65.55	44.34	71.75	43.72	28.46	13.56	12.76	11.80	13.29	35.97	39.10
CRMS 3985	16.85	5.74	17.62	22.47	18.70	15.14	21.96	19.60	11.45	23.11	27.52	27.49
CRMS 0258	17.15	79.26	51.09	101.63	78.88	44.66	16.51	13.13	18.99	21.46	45.28	51.18
CRMS 0224	14.04	59.44	36.30	81.34	60.21	37.36	15.63	12.11	13.76	14.21	29.86	38.42
CRMS 0163	136.47	237.03	204.81	147.19	165.58	102.46	60.99	46.42	27.05	121.73	205.96	182.06
CRMS 0162	95.52	177.25	100.64	110.36	120.80	80.64	45.55	33.07	16.78	52.40	132.53	146.31

V3PR9 HYST - cy 5 - 2006 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.77	21.52	20.67	38.08	32.36	19.75	12.84	12.41	9.97	11.20	17.99	19.79
CRMS0276 - Just east of Wilkinson Canal	28.63	111.77	83.20	112.38	76.39	42.21	13.00	10.76	14.91	17.80	71.13	65.33
Barataria Waterway at Lafitte (USACE82875)	79.00	193.24	146.01	136.64	126.47	84.82	28.35	14.36	19.00	40.01	145.00	135.54
USGS2928590900040000 Barataria Waterway South of Lafitte	8.97	29.22	23.22	55.84	42.87	27.23	11.46	10.10	8.79	9.32	18.99	23.38
USGS7380251 Barataria Bay North of Grand Isle	12.71	19.62	20.50	25.57	23.61	14.81	15.93	15.36	10.87	16.28	19.28	18.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.43	27.23	21.75	37.75	29.34	19.93	10.68	8.71	7.77	8.34	19.27	21.82
USGS 07380335 - Little Lake Near Cutoff	12.09	38.81	26.30	46.06	32.04	21.91	10.19	10.30	8.25	9.45	25.90	27.46
USGS073802516 Barataria Pass at Grand Isle	10.07	25.31	22.07	35.38	27.37	18.45	10.93	9.75	7.28	8.10	18.32	20.65
HWQ14 - Lake Washington	9.06	14.02	17.24	23.44	20.61	13.62	10.65	9.30	8.17	9.78	12.75	14.40
HWQ16 - Bayou Grand Liard	11.87	51.19	38.42	59.91	33.65	23.26	12.42	11.96	9.80	9.51	30.20	31.51
CRMS 3985	22.51	27.04	26.94	24.33	23.78	16.27	21.87	19.24	11.03	22.94	27.73	25.43
CRMS 0258	13.61	63.32	42.10	91.50	66.81	38.49	11.86	8.85	8.92	12.58	41.73	42.15
CRMS 0224	11.10	46.17	29.89	71.05	49.10	32.27	11.99	9.07	8.44	10.46	27.28	30.87
CRMS 0163	119.61	212.29	188.55	137.27	154.19	97.91	34.28	24.70	21.89	57.96	188.73	168.14
CRMS 0162	72.40	141.50	88.04	87.23	99.42	61.97	30.73	25.18	15.50	35.53	118.04	112.66

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.57	0.34	1.48	-5.60	-4.99	-3.57	-2.67	-3.23	-2.68	-3.49	-1.82	-2.91
CRMS0276 - Just east of Wilkinson Canal	-11.35	-30.20	-16.32	-12.27	-18.74	-9.14	-3.55	-1.41	-0.56	-8.87	-13.44	-16.27
Barataria Waterway at Lafitte (USACE82875)	-18.19	-29.33	-23.45	-9.33	-16.45	-13.39	-19.79	-19.10	-3.83	-62.98	-14.19	-21.23
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.36	-4.66	-2.07	-8.42	-9.25	-6.30	-3.84	-3.89	-4.11	-5.42	-3.11	-4.09
USGS7380251 Barataria Bay North of Grand Isle	0.88	9.34	5.86	-0.75	1.20	-0.40	-0.77	-0.98	-0.80	-1.13	-0.52	-1.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.60	-6.80	-1.67	-4.84	-4.34	-3.68	-2.14	-1.89	-2.23	-2.98	-2.13	-4.89
USGS 07380335 - Little Lake Near Cutoff	-3.71	-11.53	-4.54	-6.71	-5.78	-3.88	-1.32	-1.74	-1.36	-3.54	-2.90	-6.07
USGS073802516 Barataria Pass at Grand Isle	-2.65	-6.53	-1.07	-5.55	-3.72	-4.39	-1.87	-1.42	-1.25	-2.89	-1.32	-4.41
HWQ14 - Lake Washington	-0.93	2.53	4.20	-0.98	-0.16	-1.18	-0.42	-0.53	-0.63	-1.72	-0.87	-2.03
HWQ16 - Bayou Grand Liard	-4.91	-14.37	-5.92	-11.85	-10.07	-5.20	-1.14	-0.80	-2.01	-3.78	-5.77	-7.59
CRMS 3985	5.66	21.30	9.32	1.86	5.08	1.13	-0.09	-0.36	-0.42	-0.17	0.21	-2.07
CRMS 0258	-3.54	-15.94	-8.99	-10.13	-12.07	-6.18	-4.66	-4.28	-10.07	-8.89	-3.55	-9.03
CRMS 0224	-2.94	-13.27	-6.41	-10.29	-11.12	-5.09	-3.64	-3.03	-5.32	-3.75	-2.58	-7.55
CRMS 0163	-16.86	-24.75	-16.26	-9.92	-11.39	-4.55	-26.71	-21.73	-5.16	-63.77	-17.22	-13.92
CRMS 0162	-23.12	-35.75	-12.61	-23.13	-21.38	-18.68	-14.82	-7.89	-1.29	-16.87	-14.49	-33.64

Figure WQ TSS 238 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	10.16	15.55	18.43	29.21	29.56	25.27	20.48	21.12	21.20	20.27	11.77	11.39
CRMS0276 - Just east of Wilkinson Canal	40.39	90.69	54.76	79.60	78.45	59.50	33.99	31.85	44.41	35.45	33.66	41.83
Barataria Waterway at Lafitte (USACE82875)	86.19	132.93	88.50	105.52	118.66	86.50	87.63	79.97	78.78	77.54	63.20	117.94
USGS2928590900040000 Barataria Waterway South of Lafitte	9.89	22.28	23.01	40.23	40.85	36.30	19.10	20.01	28.81	25.03	13.41	11.51
USGS7380251 Barataria Bay North of Grand Isle	10.33	11.27	12.21	16.04	17.45	14.36	18.09	19.27	17.34	18.15	12.53	13.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.02	24.47	22.48	28.79	27.16	24.01	14.57	14.37	19.18	19.65	13.04	10.78
USGS 07380335 - Little Lake Near Cutoff	14.71	35.73	27.57	36.20	30.94	27.87	14.89	12.57	18.37	18.75	14.75	12.97
USGS073802516 Barataria Pass at Grand Isle	11.12	24.17	22.02	29.04	26.66	24.66	16.35	12.99	14.73	17.08	12.10	10.55
HWQ14 - Lake Washington	7.84	10.55	13.34	16.04	16.91	13.38	11.06	11.22	12.26	14.49	10.70	9.28
HWQ16 - Bayou Grand Liard	18.65	49.51	33.52	47.01	38.21	35.14	18.42	15.42	17.30	15.21	15.91	16.94
CRMS 3985	14.69	11.97	9.17	10.76	12.98	12.28	23.40	23.70	20.42	21.08	16.09	20.23
CRMS 0258	18.58	49.07	36.23	59.93	60.98	51.98	29.06	29.57	45.78	35.82	20.83	22.26
CRMS 0224	12.78	38.89	29.98	49.23	46.34	39.44	18.51	18.73	35.00	28.30	16.18	14.36
CRMS 0163	112.31	145.49	109.23	112.05	132.44	95.14	100.90	96.54	92.12	89.01	81.69	150.25
CRMS 0162	104.04	132.42	77.53	98.26	108.08	100.12	128.74	105.16	58.56	52.02	45.61	106.26

V3PR9 HYST - cy 5 - 2010 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	9.15	12.92	17.08	26.94	24.69	21.48	17.95	18.20	16.90	14.54	9.83	10.25
CRMS0276 - Just east of Wilkinson Canal	28.07	75.45	48.73	70.71	66.22	54.04	25.37	22.92	34.95	24.46	33.10	30.62
Barataria Waterway at Lafitte (USACE82875)	69.21	116.22	75.47	93.08	100.76	71.99	66.24	59.08	53.26	40.96	55.28	85.21
USGS2928590900040000 Barataria Waterway South of Lafitte	8.16	17.88	20.75	36.86	33.94	30.88	14.88	15.61	21.09	16.25	10.12	9.29
USGS7380251 Barataria Bay North of Grand Isle	9.36	10.47	12.33	15.72	14.99	12.84	17.29	18.06	16.24	16.19	12.30	12.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	7.80	18.39	20.00	26.69	22.95	20.47	12.01	11.14	15.25	13.77	12.80	10.65
USGS 07380335 - Little Lake Near Cutoff	9.88	27.07	23.94	32.62	26.62	24.32	12.16	9.96	14.35	14.48	16.11	14.18
USGS073802516 Barataria Pass at Grand Isle	7.74	17.97	19.38	26.34	23.23	20.82	13.53	10.85	12.05	12.96	11.62	10.63
HWQ14 - Lake Washington	6.53	8.57	12.80	15.39	14.30	11.57	10.22	10.27	11.05	11.92	9.72	8.81
HWQ16 - Bayou Grand Liard	12.12	38.73	28.61	39.59	30.40	29.39	13.89	14.40	13.80	12.60	16.32	15.31
CRMS 3985	13.46	13.15	10.35	11.35	12.06	11.92	22.96	22.74	19.94	20.35	16.87	18.94
CRMS 0258	13.59	40.10	32.82	54.73	53.49	47.78	24.35	24.05	38.00	24.94	19.84	17.16
CRMS 0224	8.82	30.17	26.50	44.32	39.63	35.35	14.93	14.05	27.57	18.52	15.98	13.28
CRMS 0163	95.53	132.75	99.56	102.68	123.96	88.39	89.24	85.87	61.00	49.95	72.35	121.97
CRMS 0162	92.35	123.56	70.82	88.63	92.44	89.41	114.29	84.95	39.81	36.51	45.17	83.31

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.02	-2.63	-1.36	-2.27	-4.87	-3.79	-2.53	-2.93	-4.30	-5.73	-1.94	-1.14
CRMS0276 - Just east of Wilkinson Canal	-12.32	-15.24	-6.03	-8.89	-12.23	-5.46	-8.62	-8.93	-9.45	-11.00	-0.56	-11.22
Barataria Waterway at Lafitte (USACE82875)	-16.98	-16.71	-13.03	-12.44	-17.90	-14.51	-21.39	-20.89	-25.52	-36.58	-7.92	-32.73
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.73	-4.40	-2.26	-3.37	-6.91	-5.42	-4.22	-4.40	-7.71	-8.77	-3.29	-2.22
USGS7380251 Barataria Bay North of Grand Isle	-0.97	-0.80	0.12	-0.32	-2.46	-1.52	-0.80	-1.21	-1.10	-1.96	-0.23	-0.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	-3.22	-6.08	-2.49	-2.10	-4.22	-3.54	-2.56	-3.23	-3.94	-5.88	-0.24	-0.13
USGS 07380335 - Little Lake Near Cutoff	-4.83	-8.65	-3.62	-3.59	-4.31	-3.54	-2.74	-2.61	-4.02	-4.27	1.36	1.21
USGS073802516 Barataria Pass at Grand Isle	-3.37	-6.20	-2.64	-2.71	-3.43	-3.85	-2.82	-2.13	-2.68	-4.12	-0.48	0.07
HWQ14 - Lake Washington	-1.31	-1.99	-0.54	-0.64	-2.60	-1.81	-0.84	-0.94	-1.21	-2.57	-0.98	-0.47
HWQ16 - Bayou Grand Liard	-6.53	-10.78	-4.91	-7.42	-7.81	-5.74	-4.53	-1.02	-3.50	-2.61	0.41	-1.63
CRMS 3985	-1.24	1.18	1.17	0.59	-0.92	-0.35	-0.44	-0.97	-0.49	-0.73	0.78	-1.29
CRMS 0258	-4.99	-8.97	-3.40	-5.20	-7.49	-4.19	-4.71	-5.52	-7.78	-10.88	-1.00	-5.10
CRMS 0224	-3.96	-8.72	-3.47	-4.91	-6.71	-4.09	-3.58	-4.68	-7.43	-9.78	-0.20	-1.08
CRMS 0163	-16.79	-12.74	-9.67	-9.37	-8.48	-6.75	-11.66	-10.67	-31.11	-39.06	-9.34	-28.28
CRMS 0162	-11.69	-8.86	-6.71	-9.63	-15.64	-10.72	-14.45	-20.21	-18.76	-15.51	-0.44	-22.96

Figure WQ TSS 239 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.12	9.54	24.21	44.25	44.38	26.93	17.49	17.84	16.85	18.09	10.40	22.62
CRMS0276 - Just east of Wilkinson Canal	68.67	49.83	141.99	118.50	134.12	41.82	22.47	22.01	33.97	28.30	31.51	126.59
Barataria Waterway at Lafitte (USACE82875)	114.05	102.33	238.26	159.19	185.79	61.74	56.25	54.53	61.62	57.87	67.94	241.48
USGS2928590900040000 Barataria Waterway South of Lafitte	17.70	15.28	27.92	60.08	64.67	35.70	17.07	16.61	23.07	22.67	11.26	26.13
USGS7380251 Barataria Bay North of Grand Isle	15.14	7.37	15.02	24.90	23.28	16.02	14.19	15.95	14.08	16.07	11.76	20.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.11	18.70	26.79	46.66	43.00	27.61	13.25	12.15	15.45	17.46	12.85	23.51
USGS 07380335 - Little Lake Near Cutoff	33.26	24.12	39.49	58.35	54.42	29.87	12.37	9.48	14.09	16.59	15.53	35.15
USGS073802516 Barataria Pass at Grand Isle	25.02	17.53	27.88	46.92	42.46	28.77	15.08	11.14	12.03	15.19	11.90	24.44
HWQ14 - Lake Washington	14.84	9.21	13.37	24.84	23.25	17.18	10.02	9.77	10.40	13.02	9.58	13.01
HWQ16 - Bayou Grand Liard	36.01	27.13	71.94	75.96	78.40	34.05	12.57	11.68	13.37	13.19	16.57	53.84
CRMS 3985	20.08	8.19	11.23	16.81	16.87	12.23	16.46	19.14	16.54	18.05	16.06	29.48
CRMS 0258	34.42	31.91	63.67	88.14	98.18	41.24	23.99	23.91	36.65	31.83	17.28	60.54
CRMS 0224	29.25	27.80	41.22	74.71	80.04	36.48	16.62	15.91	28.12	25.27	14.29	37.87
CRMS 0163	136.28	115.90	282.66	171.31	201.30	67.04	68.40	69.23	73.98	60.18	98.39	277.55
CRMS 0162	123.25	67.85	215.81	150.43	176.66	72.23	88.52	72.28	38.42	31.45	49.79	255.90

V3PR9 HYST - cy 5 - 2011 (FWP)												
	monthly average SS (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.86	10.94	26.65	40.44	38.90	24.13	15.15	14.36	10.81	8.36	4.57	19.23
CRMS0276 - Just east of Wilkinson Canal	53.75	50.33	114.99	105.19	122.09	40.61	18.30	17.52	27.30	21.05	31.57	95.44
Barataria Waterway at Lafitte (USACE82875)	102.81	90.16	204.23	138.65	162.81	49.53	41.55	42.51	40.05	31.30	58.54	209.81
USGS2928590900040000 Barataria Waterway South of Lafitte	13.73	15.84	27.73	54.79	57.03	32.56	13.44	12.40	15.54	11.73	6.74	21.58
USGS7380251 Barataria Bay North of Grand Isle	14.57	11.98	25.31	26.37	21.29	14.03	13.22	12.53	7.26	5.49	3.62	16.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.96	19.11	24.47	41.93	38.59	25.42	11.37	9.59	11.27	10.48	9.43	17.83
USGS 07380335 - Little Lake Near Cutoff	23.72	24.83	32.76	51.40	48.57	28.37	11.12	8.22	11.20	12.42	13.17	26.50
USGS073802516 Barataria Pass at Grand Isle	17.84	17.96	24.92	41.59	37.74	26.52	13.36	9.79	9.60	10.54	9.13	18.20
HWQ14 - Lake Washington	11.77	10.87	18.22	25.18	21.00	15.07	9.20	8.66	6.92	6.34	4.58	9.96
HWQ16 - Bayou Grand Liard	25.65	28.61	54.59	64.87	65.48	32.51	10.66	12.11	12.33	12.06	14.81	39.69
CRMS 3985	24.03	17.83	34.17	22.42	16.07	11.21	15.82	11.36	5.59	4.23	2.87	22.61
CRMS 0258	25.80	31.97	58.01	80.97	90.30	39.61	20.22	19.66	29.90	22.04	17.46	49.02
CRMS 0224	21.06	28.25	36.58	67.43	71.65	34.76	13.77	12.17	21.71	15.14	12.46	29.12
CRMS 0163	126.39	105.89	260.86	155.35	190.03	59.49	60.95	64.09	43.21	34.91	89.63	261.55
CRMS 0162	105.94	88.25	200.08	137.19	157.78	64.02	77.74	55.93	29.29	26.29	47.35	221.11

Difference (FWP-FWOP)												
	monthly average SS difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.25	1.40	2.43	-3.81	-5.48	-2.80	-2.35	-3.48	-6.04	-9.73	-5.83	-3.39
CRMS0276 - Just east of Wilkinson Canal	-14.92	0.50	-27.01	-13.31	-12.02	-1.21	-4.16	-4.48	-6.67	-7.25	0.06	-31.14
Barataria Waterway at Lafitte (USACE82875)	-11.24	-12.17	-34.03	-20.54	-22.99	-12.21	-14.70	-12.02	-21.57	-26.57	-9.40	-31.67
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.97	0.56	-0.19	-5.29	-7.64	-3.14	-3.63	-4.21	-7.52	-10.94	-4.52	-4.55
USGS7380251 Barataria Bay North of Grand Isle	-0.57	4.60	10.29	1.47	-2.00	-1.98	-0.98	-3.42	-6.82	-10.57	-8.14	-4.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-7.14	0.41	-2.32	-4.73	-4.41	-2.19	-1.88	-2.55	-4.18	-6.98	-3.41	-5.68
USGS 07380335 - Little Lake Near Cutoff	-9.54	0.71	-6.73	-6.96	-5.85	-1.50	-1.25	-1.26	-2.88	-4.17	-2.36	-8.65
USGS073802516 Barataria Pass at Grand Isle	-7.18	0.42	-2.96	-5.33	-4.72	-2.25	-1.71	-1.35	-2.43	-4.66	-2.77	-6.25
HWQ14 - Lake Washington	-3.07	1.66	4.84	0.34	-2.25	-2.12	-0.82	-1.10	-3.49	-6.68	-5.00	-3.05
HWQ16 - Bayou Grand Liard	-10.36	1.48	-17.35	-11.10	-12.92	-1.55	-1.92	0.43	-1.05	-1.14	-1.77	-14.15
CRMS 3985	3.96	9.65	22.94	5.60	-0.79	-1.02	-0.64	-7.79	-10.95	-13.82	-13.19	-6.88
CRMS 0258	-8.62	0.05	-5.66	-7.17	-7.88	-1.62	-3.77	-4.25	-6.75	-9.79	0.18	-11.52
CRMS 0224	-8.19	0.45	-4.64	-7.29	-8.39	-1.72	-2.85	-3.74	-6.40	-10.13	-1.82	-8.75
CRMS 0163	-9.90	-10.01	-21.79	-15.96	-11.27	-7.55	-7.46	-5.13	-30.77	-25.28	-8.76	-16.00
CRMS 0162	-17.31	20.40	-15.74	-13.24	-18.88	-8.21	-10.78	-16.35	-9.14	-5.17	-2.44	-34.79

Figure WQ TSS 240 - Monthly Average Total Suspended Solids (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve

9.0 SULFATE DATA TABLES

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.65	80.40	58.87	78.29	100.91	68.37	31.62	33.79	55.92	71.80	89.85	107.88
CRMS0276 - Just east of Wilkinson Canal	330.27	305.24	206.21	174.98	97.18	105.46	154.62	281.91	296.82	320.72	356.83	338.55
Barataria Waterway at Lafitte (USACE82875)	42.39	39.27	18.35	15.83	11.91	14.43	28.79	54.72	48.97	43.91	40.00	51.38
USGS2928590900040000 Barataria Waterway South of Lafitte	103.32	137.83	101.88	107.31	118.35	74.00	44.15	46.76	92.64	128.92	155.00	172.96
USGS7380251 Barataria Bay North of Grand Isle	24.59	31.33	25.29	42.04	67.45	45.06	20.01	18.08	18.87	24.03	40.43	31.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	126.21	160.11	94.74	126.56	142.10	94.01	46.01	126.34	104.20	118.91	189.45	159.57
USGS 07380335 - Little Lake Near Cutoff	232.18	251.65	158.29	175.74	170.40	119.87	93.48	247.26	178.11	212.82	284.70	262.03
USGS073802516 Barataria Pass at Grand Isle	166.18	223.34	135.48	191.21	207.81	160.63	106.47	233.77	146.37	172.50	214.53	217.51
HWQ14 - Lake Washington	39.11	52.28	37.26	71.82	106.84	75.64	29.35	38.78	42.44	45.62	63.39	53.30
HWQ16 - Bayou Grand Liard	514.90	481.75	395.57	385.82	288.33	267.63	392.83	519.52	450.46	484.58	539.42	512.85
CRMS 3985	16.34	17.89	15.43	23.01	39.92	34.57	17.15	15.94	16.08	16.88	19.99	19.12
CRMS 0258	163.76	178.70	104.01	103.15	85.72	44.38	42.85	64.79	165.27	234.73	247.68	273.39
CRMS 0224	176.86	227.47	149.59	153.20	144.90	93.38	62.83	125.27	171.98	208.98	250.83	244.86
CRMS 0163	36.13	37.94	18.02	16.21	11.74	14.73	40.69	57.61	48.46	38.45	40.05	46.32
CRMS 0162	53.63	59.87	22.60	22.85	14.21	18.27	20.83	25.26	98.49	24.26	39.04	25.55

V3PR2 HYST - cy 0 - 1970 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.85	16.19	14.06	12.78	11.28	13.88	17.05	18.76	19.84	17.50	17.85	18.07
CRMS0276 - Just east of Wilkinson Canal	244.47	282.92	171.01	153.19	76.89	68.43	113.19	256.69	292.49	316.11	348.36	330.36
Barataria Waterway at Lafitte (USACE82875)	44.07	40.74	19.66	16.49	12.21	14.62	27.65	53.17	49.91	44.82	40.01	53.45
USGS2928590900040000 Barataria Waterway South of Lafitte	15.50	18.99	14.06	12.90	11.28	13.74	16.18	20.61	30.54	30.92	34.09	28.24
USGS7380251 Barataria Bay North of Grand Isle	15.84	17.98	13.83	13.13	11.75	12.17	11.37	14.67	15.14	18.17	31.62	22.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	45.06	63.75	19.50	18.09	12.95	14.34	23.20	103.25	87.43	90.20	155.50	97.91
USGS 07380335 - Little Lake Near Cutoff	106.49	123.14	33.48	32.45	17.59	17.98	55.52	219.00	167.12	184.78	251.52	194.03
USGS073802516 Barataria Pass at Grand Isle	83.56	127.30	47.44	53.25	37.46	37.59	71.83	218.98	140.52	154.64	197.43	172.24
HWQ14 - Lake Washington	25.94	30.07	18.74	23.10	23.92	19.76	15.84	38.65	45.37	43.67	63.00	42.12
HWQ16 - Bayou Grand Liard	437.47	411.66	280.10	248.52	143.58	166.01	356.95	514.27	444.91	474.77	529.23	491.60
CRMS 3985	15.12	15.40	13.14	12.60	12.07	11.28	10.11	10.13	12.55	14.33	19.24	17.95
CRMS 0258	49.40	62.17	20.06	24.44	16.56	13.95	13.87	32.86	130.49	189.05	185.62	174.36
CRMS 0224	55.39	92.98	27.23	35.02	20.32	15.89	21.40	82.78	145.65	161.43	188.62	152.16
CRMS 0163	37.05	39.39	18.66	17.01	11.89	14.88	39.50	56.25	49.86	38.97	39.15	48.41
CRMS 0162	54.73	61.25	23.22	23.67	14.96	18.90	20.99	25.27	104.46	24.43	38.94	25.98

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-41.81	-64.21	-44.81	-65.51	-89.63	-54.50	-14.57	-15.03	-36.08	-54.30	-72.01	-89.81
CRMS0276 - Just east of Wilkinson Canal	-85.80	-22.32	-35.21	-21.79	-20.29	-37.02	-41.43	-25.22	-4.33	-4.60	-8.47	-8.19
Barataria Waterway at Lafitte (USACE82875)	1.68	1.47	1.31	0.66	0.29	0.19	-1.14	-1.56	0.94	0.91	0.01	2.07
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.82	-118.83	-87.81	-94.41	-107.07	-60.25	-27.97	-26.15	-62.09	-98.00	-120.90	-144.72
USGS7380251 Barataria Bay North of Grand Isle	-8.75	-13.35	-11.45	-28.91	-55.71	-32.90	-8.65	-3.41	-3.74	-5.86	-8.81	-9.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	-81.15	-96.36	-75.24	-108.47	-129.14	-79.67	-22.81	-23.09	-16.76	-28.71	-33.95	-61.66
USGS 07380335 - Little Lake Near Cutoff	-125.69	-128.52	-124.81	-143.30	-152.81	-101.89	-37.96	-28.26	-10.99	-28.05	-33.18	-68.00
USGS073802516 Barataria Pass at Grand Isle	-82.62	-96.04	-88.05	-137.96	-170.35	-123.04	-34.64	-14.79	-5.85	-17.86	-17.10	-45.26
HWQ14 - Lake Washington	-13.17	-22.21	-18.52	-48.72	-82.93	-55.88	-13.51	-0.13	2.93	-1.95	-0.39	-11.18
HWQ16 - Bayou Grand Liard	-77.43	-70.10	-115.48	-137.30	-144.76	-101.62	-35.88	-5.25	-5.54	-9.81	-10.20	-21.25
CRMS 3985	-1.22	-2.49	-2.29	-10.40	-27.86	-23.29	-7.04	-5.81	-3.53	-2.55	-0.75	-1.17
CRMS 0258	-114.36	-116.54	-83.95	-78.71	-69.16	-30.43	-28.98	-31.93	-34.78	-45.69	-62.07	-99.03
CRMS 0224	-121.48	-134.49	-122.36	-118.18	-124.58	-77.49	-41.43	-42.49	-26.33	-47.55	-62.20	-92.70
CRMS 0163	0.92	1.45	0.64	0.80	0.15	0.15	-1.19	-1.35	1.40	0.52	-0.91	2.09
CRMS 0162	1.10	1.37	0.62	0.82	0.75	0.62	0.16	0.01	5.97	0.17	-0.10	0.43

Figure WQ SO4 1 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.34	69.68	56.34	70.82	79.17	56.01	41.93	38.55	54.88	66.41	99.35	106.85
CRMS0276 - Just east of Wilkinson Canal	280.41	175.52	93.27	93.56	61.33	107.64	186.98	252.19	276.55	390.21	435.61	300.39
Barataria Waterway at Lafitte (USACE82875)	36.31	15.14	11.08	11.26	11.11	16.90	22.65	33.55	39.79	80.62	58.93	31.97
USGS2928590900040000 Barataria Waterway South of Lafitte	98.27	117.72	89.24	82.31	85.31	56.97	53.77	53.71	91.26	118.33	168.69	191.87
USGS7380251 Barataria Bay North of Grand Isle	23.80	29.43	28.38	49.38	61.44	44.05	30.76	22.99	18.78	24.33	44.03	35.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	118.28	145.26	89.91	114.03	117.29	88.08	83.38	124.54	90.87	120.55	215.81	171.84
USGS 07380335 - Little Lake Near Cutoff	215.80	216.33	131.78	141.45	136.19	112.60	141.81	221.16	158.96	222.19	325.72	273.20
USGS073802516 Barataria Pass at Grand Isle	157.20	197.94	123.09	166.12	171.61	155.64	155.84	215.56	126.70	181.30	240.82	225.85
HWQ14 - Lake Washington	38.10	51.87	43.88	80.39	97.76	73.62	50.08	48.36	37.53	44.68	69.26	58.72
HWQ16 - Bayou Grand Liard	492.54	381.83	297.85	305.08	236.94	277.88	407.13	464.70	425.36	532.04	591.36	487.98
CRMS 3985	15.91	16.23	15.49	29.93	41.42	36.19	24.97	17.87	16.54	17.65	21.34	19.62
CRMS 0258	137.49	128.75	77.56	61.90	55.40	37.38	50.19	71.42	158.36	234.88	297.32	223.47
CRMS 0224	162.04	196.56	119.68	107.05	104.69	76.47	91.79	122.38	165.16	196.27	283.84	269.71
CRMS 0163	35.52	13.93	10.83	11.25	11.08	18.22	25.21	36.49	39.65	72.16	55.43	25.47
CRMS 0162	27.19	15.42	12.10	14.29	12.73	21.02	18.46	24.18	63.80	68.55	55.10	19.15

V3PR2 HYST - cy 0 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.82	0.02	0.02	0.02	0.01	0.26	1.07	0.59	1.19	1.66	3.12	0.63
CRMS0276 - Just east of Wilkinson Canal	218.88	144.33	68.02	74.20	48.10	85.94	146.21	218.70	270.88	381.77	419.43	287.25
Barataria Waterway at Lafitte (USACE82875)	39.57	16.79	11.72	11.95	11.77	17.26	22.72	34.24	39.07	81.76	58.53	33.55
USGS2928590900040000 Barataria Waterway South of Lafitte	1.08	0.02	0.01	0.03	0.02	0.35	0.80	2.67	13.42	13.71	21.12	9.76
USGS7380251 Barataria Bay North of Grand Isle	11.10	4.52	2.77	2.60	1.85	4.37	7.15	9.93	11.97	16.77	34.46	18.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.15	5.90	2.01	2.09	1.51	11.44	26.82	83.37	73.42	82.54	172.14	61.68
USGS 07380335 - Little Lake Near Cutoff	65.84	21.92	6.45	7.21	4.28	24.74	73.20	177.12	147.19	184.60	282.45	132.53
USGS073802516 Barataria Pass at Grand Isle	57.59	40.91	15.61	18.41	18.92	57.90	93.49	185.75	125.21	153.12	217.07	130.53
HWQ14 - Lake Washington	19.90	12.70	8.74	9.85	12.59	14.28	15.38	35.46	40.84	39.45	68.13	41.76
HWQ16 - Bayou Grand Liard	419.35	245.90	150.31	149.92	105.36	218.23	373.99	443.76	416.28	513.49	575.30	419.15
CRMS 3985	15.07	10.80	9.17	7.79	5.46	5.58	6.94	7.94	13.67	17.55	25.25	19.32
CRMS 0258	18.80	8.00	2.74	5.91	4.76	9.64	13.73	22.38	114.67	186.56	211.14	109.58
CRMS 0224	25.16	15.49	3.75	7.41	5.09	9.72	25.74	64.34	128.56	148.25	202.02	116.83
CRMS 0163	37.90	15.06	11.42	11.94	11.70	18.32	24.91	37.68	38.74	72.41	54.61	26.86
CRMS 0162	29.22	16.69	12.86	15.67	13.68	22.15	18.64	23.53	62.32	74.24	52.01	19.95

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-53.52	-69.65	-56.32	-70.80	-79.16	-55.75	-40.86	-37.96	-53.69	-64.74	-96.23	-106.22
CRMS0276 - Just east of Wilkinson Canal	-61.53	-31.19	-25.25	-19.36	-13.23	-21.70	-40.77	-33.49	-5.66	-8.44	-16.18	-13.14
Barataria Waterway at Lafitte (USACE82875)	3.27	1.65	0.63	0.69	0.65	0.36	0.06	0.69	-0.72	1.14	-0.39	1.57
USGS2928590900040000 Barataria Waterway South of Lafitte	-97.18	-117.71	-89.23	-82.28	-85.29	-56.63	-52.96	-51.04	-77.85	-104.62	-147.57	-182.11
USGS7380251 Barataria Bay North of Grand Isle	-12.70	-24.91	-25.61	-46.79	-59.59	-39.68	-23.61	-13.06	-6.81	-7.55	-9.57	-16.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	-97.13	-139.37	-87.90	-111.94	-115.78	-76.64	-56.57	-41.17	-17.45	-38.01	-43.67	-110.16
USGS 07380335 - Little Lake Near Cutoff	-149.96	-194.41	-125.33	-134.24	-131.91	-87.86	-68.61	-44.04	-11.77	-37.58	-43.27	-140.66
USGS073802516 Barataria Pass at Grand Isle	-99.61	-157.02	-107.48	-147.72	-152.69	-97.74	-62.35	-29.80	-1.49	-28.18	-23.75	-95.33
HWQ14 - Lake Washington	-18.20	-39.17	-35.14	-70.54	-85.17	-59.34	-34.70	-12.90	3.31	-5.23	-1.13	-16.96
HWQ16 - Bayou Grand Liard	-73.19	-135.94	-147.54	-155.16	-131.59	-59.65	-33.14	-20.94	-9.08	-18.54	-16.06	-68.83
CRMS 3985	-0.84	-5.43	-6.31	-22.13	-35.96	-30.61	-18.03	-9.93	-2.88	-0.10	3.91	-0.30
CRMS 0258	-118.69	-120.74	-74.82	-55.99	-50.64	-27.75	-36.46	-49.04	-43.69	-48.32	-86.18	-113.89
CRMS 0224	-136.88	-181.07	-115.93	-99.63	-99.60	-66.76	-66.05	-58.04	-36.60	-48.02	-81.83	-152.88
CRMS 0163	2.37	1.13	0.59	0.68	0.62	0.10	-0.30	1.18	-0.91	0.24	-0.82	1.39
CRMS 0162	2.03	1.27	0.76	1.38	0.95	1.13	0.18	-0.66	-1.48	5.69	-3.09	0.80

Figure WQ SO4 2 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.99	81.25	65.97	87.34	100.80	84.64	42.89	38.41	61.14	71.23	84.60	87.72
CRMS0276 - Just east of Wilkinson Canal	348.67	247.57	246.44	221.94	204.53	219.07	249.75	332.51	352.52	353.55	353.16	291.25
Barataria Waterway at Lafitte (USACE82875)	82.83	27.93	26.95	22.27	20.65	30.35	52.45	78.64	75.36	59.67	39.29	37.43
USGS2928590900040000 Barataria Waterway South of Lafitte	94.26	140.00	104.99	122.16	136.89	101.28	60.02	56.22	105.41	131.89	155.36	150.72
USGS7380251 Barataria Bay North of Grand Isle	23.35	33.63	24.82	41.43	49.18	37.34	21.18	19.40	19.11	23.32	39.55	30.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.67	169.95	92.21	133.12	126.92	103.98	66.93	144.73	111.21	116.95	191.40	146.57
USGS 07380335 - Little Lake Near Cutoff	239.22	255.76	159.52	192.68	177.27	151.18	145.77	278.89	199.83	216.03	287.90	241.11
USGS073802516 Barataria Pass at Grand Isle	168.28	228.37	134.28	202.97	216.25	205.71	154.04	261.69	157.74	173.92	213.91	201.45
HWQ14 - Lake Washington	36.76	58.43	35.00	71.08	81.68	72.21	32.46	42.83	41.55	41.79	62.60	50.71
HWQ16 - Bayou Grand Liard	550.52	448.04	423.11	425.39	376.01	383.28	494.80	565.78	494.12	507.08	534.03	475.51
CRMS 3985	16.74	18.12	15.85	21.79	27.11	25.84	17.83	16.52	16.90	17.22	19.85	18.35
CRMS 0258	163.52	162.02	152.00	132.50	124.33	121.12	87.21	86.01	192.45	263.46	215.73	171.22
CRMS 0224	165.08	236.36	150.73	169.59	173.07	134.62	93.97	145.16	200.19	213.47	255.69	223.34
CRMS 0163	72.29	25.66	26.05	25.95	22.31	32.23	63.01	85.60	70.34	54.18	36.66	32.89
CRMS 0162	59.75	25.13	24.27	33.19	24.15	29.90	23.84	51.02	153.08	30.17	35.13	21.60

V3PR2 HYST - cy 0 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.72	14.42	15.69	15.68	14.59	17.15	18.64	19.80	20.53	18.48	17.34	16.46
CRMS0276 - Just east of Wilkinson Canal	316.56	213.87	235.22	201.59	184.91	201.72	224.32	297.58	334.08	347.78	347.02	282.29
Barataria Waterway at Lafitte (USACE82875)	84.08	29.90	27.90	22.36	21.58	29.74	51.13	74.56	71.15	57.84	39.20	37.43
USGS2928590900040000 Barataria Waterway South of Lafitte	21.32	14.47	16.50	18.65	15.03	18.02	18.34	21.60	32.10	31.15	34.74	26.65
USGS7380251 Barataria Bay North of Grand Isle	17.41	15.42	15.54	17.60	18.32	16.60	15.20	17.51	15.72	19.62	31.65	21.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	78.12	39.61	48.04	57.52	30.38	48.58	55.31	119.24	86.64	97.67	157.72	89.71
USGS 07380335 - Little Lake Near Cutoff	178.52	84.21	97.50	101.43	54.35	84.24	128.15	247.74	172.68	198.15	256.70	176.89
USGS073802516 Barataria Pass at Grand Isle	128.69	105.25	102.63	127.87	104.98	144.74	145.27	243.00	141.99	165.54	199.49	157.47
HWQ14 - Lake Washington	28.67	27.49	28.30	41.93	45.32	45.62	33.19	49.63	43.12	45.98	63.70	40.49
HWQ16 - Bayou Grand Liard	524.51	365.13	392.71	363.22	288.30	343.71	481.02	542.44	474.65	504.39	527.46	448.31
CRMS 3985	15.87	14.94	13.18	14.62	17.20	15.29	12.96	12.22	14.44	15.65	19.65	17.51
CRMS 0258	80.18	41.50	51.16	58.76	44.33	48.91	29.56	40.31	142.53	211.28	164.36	114.80
CRMS 0224	93.67	67.41	64.33	73.30	61.40	57.29	56.91	100.11	153.72	170.88	193.89	142.16
CRMS 0163	73.55	26.98	27.10	25.83	23.15	30.54	61.00	82.99	67.85	51.17	37.12	33.09
CRMS 0162	63.17	26.62	25.05	33.90	24.45	30.07	23.88	52.40	155.32	30.61	36.36	21.66

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-37.27	-66.83	-50.28	-71.66	-86.20	-67.50	-24.25	-18.61	-40.61	-52.74	-67.25	-71.25
CRMS0276 - Just east of Wilkinson Canal	-32.11	-33.70	-11.22	-20.35	-19.62	-17.35	-25.43	-34.93	-18.45	-5.77	-6.14	-8.96
Barataria Waterway at Lafitte (USACE82875)	1.26	1.97	0.94	0.10	0.93	-0.62	-1.32	-4.08	-4.21	-1.84	-0.08	-0.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-72.94	-125.53	-88.48	-103.51	-121.86	-83.26	-41.68	-34.62	-73.31	-100.74	-120.62	-124.06
USGS7380251 Barataria Bay North of Grand Isle	-5.94	-18.21	-9.28	-23.83	-30.86	-20.74	-5.98	-1.89	-3.39	-3.70	-7.90	-8.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	-47.55	-130.34	-44.17	-75.60	-96.55	-55.40	-11.62	-25.49	-24.57	-19.29	-33.68	-56.86
USGS 07380335 - Little Lake Near Cutoff	-60.70	-171.55	-62.02	-91.25	-122.92	-66.94	-17.63	-31.15	-27.15	-17.88	-31.21	-64.22
USGS073802516 Barataria Pass at Grand Isle	-39.59	-123.12	-31.66	-75.10	-111.27	-60.97	-8.78	-18.69	-15.74	-8.38	-14.42	-43.98
HWQ14 - Lake Washington	-8.10	-30.94	-6.70	-29.15	-36.36	-26.59	0.73	6.80	1.57	4.19	1.11	-10.21
HWQ16 - Bayou Grand Liard	-26.01	-82.91	-30.40	-62.16	-87.71	-39.56	-13.78	-23.34	-19.47	-2.69	-6.58	-27.20
CRMS 3985	-0.87	-3.19	-2.67	-7.16	-9.91	-10.54	-4.87	-4.30	-2.45	-1.57	-0.20	-0.84
CRMS 0258	-83.34	-120.52	-100.84	-73.74	-80.00	-72.21	-57.65	-45.70	-49.92	-52.18	-51.38	-56.42
CRMS 0224	-71.42	-168.95	-86.40	-96.30	-111.67	-77.33	-37.06	-45.05	-46.47	-42.60	-61.80	-81.18
CRMS 0163	1.27	1.31	1.05	-0.12	0.84	-1.69	-2.01	-2.61	-2.49	-3.01	0.46	0.20
CRMS 0162	3.42	1.49	0.79	0.71	0.30	0.18	0.04	1.38	2.24	0.44	1.23	0.05

Figure WQ SO4 3 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.50	71.69	58.42	82.35	94.62	72.22	31.72	24.45	39.72	54.51	89.85	110.15
CRMS0276 - Just east of Wilkinson Canal	316.53	141.12	124.21	120.39	118.93	81.01	115.92	164.83	188.84	291.05	409.09	371.44
Barataria Waterway at Lafitte (USACE82875)	29.61	12.95	12.99	12.11	13.93	12.30	13.62	17.54	23.16	44.33	62.78	54.06
USGS2928590900040000 Barataria Waterway South of Lafitte	107.75	119.34	90.14	101.13	108.87	79.76	47.02	33.83	58.39	91.96	149.13	183.37
USGS7380251 Barataria Bay North of Grand Isle	25.36	29.93	31.16	55.26	70.21	48.98	20.05	17.63	16.26	22.33	41.45	33.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	130.12	141.26	97.22	135.65	143.23	99.59	42.11	95.36	75.95	108.24	200.11	171.21
USGS 07380335 - Little Lake Near Cutoff	233.72	203.98	143.47	170.13	174.35	123.65	73.90	160.86	125.06	190.41	302.45	283.01
USGS073802516 Barataria Pass at Grand Isle	171.98	188.78	133.68	193.74	213.91	163.66	89.54	173.29	107.88	160.62	226.21	230.43
HWQ14 - Lake Washington	41.46	53.20	47.69	90.03	109.16	81.03	29.80	42.13	36.89	44.60	66.13	55.18
HWQ16 - Bayou Grand Liard	498.29	347.90	335.20	346.90	313.56	247.39	308.77	370.94	349.92	463.19	573.28	531.30
CRMS 3985	16.29	16.23	16.37	31.95	45.31	37.71	16.01	14.14	13.99	15.59	20.43	19.69
CRMS 0258	162.74	130.62	75.18	83.54	81.18	48.59	34.96	32.41	91.74	176.37	249.92	271.58
CRMS 0224	183.95	190.63	121.97	137.09	141.89	99.39	61.54	81.29	115.08	160.96	254.17	264.33
CRMS 0163	23.51	11.94	13.15	12.58	14.48	12.55	13.80	17.34	24.22	41.30	64.36	43.54
CRMS 0162	19.23	13.23	15.52	18.18	16.98	15.35	14.13	16.55	28.92	26.09	71.04	25.80

V3PR2 HYST - cy 0 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.73	10.97	12.38	11.75	12.07	12.44	13.16	14.76	16.72	17.63	19.79	17.58
CRMS0276 - Just east of Wilkinson Canal	216.69	112.71	91.36	98.75	99.30	49.78	47.71	92.82	186.46	291.71	401.95	365.88
Barataria Waterway at Lafitte (USACE82875)	30.60	13.25	13.19	12.28	14.36	12.29	13.69	17.51	23.59	45.88	65.49	56.38
USGS2928590900040000 Barataria Waterway South of Lafitte	12.89	10.99	12.39	11.67	12.17	12.37	13.10	14.62	20.09	25.69	33.59	27.56
USGS7380251 Barataria Bay North of Grand Isle	14.42	11.71	11.72	11.25	12.08	11.31	11.26	12.23	11.29	15.25	29.39	22.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.64	15.02	14.12	13.93	14.33	12.85	12.50	23.17	47.79	77.36	156.93	102.30
USGS 07380335 - Little Lake Near Cutoff	59.43	28.18	20.50	21.50	21.14	15.55	14.06	43.97	95.55	161.82	259.61	207.06
USGS073802516 Barataria Pass at Grand Isle	55.50	43.75	28.11	35.61	44.90	32.63	21.16	55.05	80.54	135.99	201.30	178.90
HWQ14 - Lake Washington	23.35	17.09	12.93	16.42	22.94	19.32	12.05	13.38	27.14	35.03	59.12	42.57
HWQ16 - Bayou Grand Liard	385.52	218.26	200.04	192.76	172.18	136.08	207.17	287.57	332.55	457.50	558.57	504.97
CRMS 3985	14.86	12.50	10.76	10.52	11.49	10.65	10.15	9.91	9.47	11.06	17.25	17.77
CRMS 0258	34.67	15.31	13.46	17.10	19.47	12.86	12.15	15.57	61.40	141.18	181.63	171.83
CRMS 0224	34.80	22.36	16.37	22.52	23.97	14.75	12.19	19.75	75.82	125.37	184.71	160.35
CRMS 0163	24.11	12.06	13.33	12.74	14.61	12.51	14.02	17.51	24.59	42.04	65.67	43.71
CRMS 0162	20.33	13.54	15.84	18.64	17.55	15.75	14.24	16.55	30.41	27.34	72.47	26.33

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-44.77	-60.72	-46.03	-70.60	-82.55	-59.78	-18.56	-9.69	-23.00	-36.89	-70.06	-92.57
CRMS0276 - Just east of Wilkinson Canal	-99.84	-28.41	-32.85	-21.65	-19.63	-31.23	-68.21	-72.01	-2.38	0.66	-7.14	-5.57
Barataria Waterway at Lafitte (USACE82875)	0.99	0.30	0.20	0.17	0.43	-0.01	0.07	-0.03	0.43	1.55	2.71	2.32
USGS2928590900040000 Barataria Waterway South of Lafitte	-94.87	-108.35	-77.75	-89.46	-96.70	-67.39	-33.92	-19.21	-38.30	-66.27	-115.54	-155.81
USGS7380251 Barataria Bay North of Grand Isle	-10.94	-18.22	-19.43	-44.02	-58.13	-37.67	-8.78	-5.40	-4.97	-7.08	-12.06	-11.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-107.48	-126.24	-83.10	-121.71	-128.90	-86.74	-29.61	-72.19	-28.16	-30.88	-43.17	-68.90
USGS 07380335 - Little Lake Near Cutoff	-174.29	-175.80	-122.97	-148.63	-153.22	-108.10	-59.84	-116.90	-29.51	-28.59	-42.84	-75.95
USGS073802516 Barataria Pass at Grand Isle	-116.48	-145.03	-105.57	-158.14	-169.01	-131.03	-68.38	-118.23	-27.34	-24.63	-24.91	-51.54
HWQ14 - Lake Washington	-18.12	-36.11	-34.76	-73.61	-86.22	-61.71	-17.75	-28.75	-9.75	-9.56	-7.02	-12.61
HWQ16 - Bayou Grand Liard	-112.77	-129.64	-135.16	-154.14	-141.38	-111.31	-101.60	-83.37	-17.37	-5.69	-14.71	-26.33
CRMS 3985	-1.44	-3.73	-5.61	-21.44	-33.81	-27.06	-5.86	-4.24	-4.52	-4.53	-3.18	-1.92
CRMS 0258	-128.07	-115.31	-61.72	-66.44	-61.71	-35.73	-22.82	-16.83	-30.34	-35.19	-68.29	-99.75
CRMS 0224	-149.15	-168.27	-105.61	-114.56	-117.91	-84.64	-49.35	-61.54	-39.26	-35.60	-69.46	-103.98
CRMS 0163	0.59	0.12	0.18	0.15	0.12	-0.04	0.22	0.17	0.37	0.74	1.31	0.18
CRMS 0162	1.10	0.31	0.32	0.47	0.57	0.41	0.12	0.01	1.49	1.25	1.42	0.54

Figure WQ SO4 4 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.00	86.19	63.44	85.02	90.13	61.66	37.63	32.15	46.49	53.29	91.89	101.81
CRMS0276 - Just east of Wilkinson Canal	256.32	346.87	206.73	105.96	63.12	42.05	99.11	179.57	209.60	329.11	438.12	232.20
Barataria Waterway at Lafitte (USACE82875)	45.91	55.50	20.19	11.76	11.70	11.39	12.72	19.84	27.04	60.55	65.68	23.20
USGS2928590900040000 Barataria Waterway South of Lafitte	96.15	142.51	115.59	104.53	98.14	59.99	49.18	45.34	71.39	92.79	154.15	179.43
USGS7380251 Barataria Bay North of Grand Isle	22.67	32.54	26.44	53.07	68.20	48.08	29.97	24.58	18.51	21.76	43.47	33.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	112.66	170.37	94.00	127.07	129.74	91.78	67.89	110.85	75.24	100.11	211.39	168.00
USGS 07380335 - Little Lake Near Cutoff	206.02	270.39	158.89	158.26	148.56	105.35	101.12	179.02	128.60	186.71	320.76	261.91
USGS073802516 Barataria Pass at Grand Isle	147.62	238.81	132.63	180.77	185.52	140.02	119.22	189.69	105.45	153.55	238.36	218.18
HWQ14 - Lake Washington	35.91	54.27	36.95	86.09	105.91	81.00	50.14	53.91	35.47	37.90	69.44	58.63
HWQ16 - Bayou Grand Liard	480.00	516.79	383.68	325.98	243.71	196.91	306.36	385.63	362.67	490.17	594.39	440.84
CRMS 3985	15.33	18.33	16.08	29.76	44.47	39.24	26.21	20.21	16.47	16.61	21.20	18.87
CRMS 0258	146.38	224.14	140.45	80.53	65.06	32.27	30.42	40.31	116.88	183.91	262.55	195.52
CRMS 0224	151.23	238.86	166.01	128.08	118.00	74.22	70.28	98.45	128.67	156.69	269.24	257.73
CRMS 0163	48.30	55.14	15.94	11.95	11.67	11.37	13.45	20.16	28.06	57.99	60.07	15.92
CRMS 0162	65.62	70.85	14.88	16.23	12.85	12.61	13.65	18.04	34.27	38.82	60.89	14.03

V3PR2 HYST - cy 0 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.37	18.39	11.97	11.35	11.57	11.49	13.03	15.66	17.42	18.80	19.44	12.00
CRMS0276 - Just east of Wilkinson Canal	204.95	328.28	183.81	84.85	51.11	29.48	38.39	124.05	207.94	325.45	425.89	219.72
Barataria Waterway at Lafitte (USACE82875)	45.79	55.85	20.63	11.88	11.75	11.39	12.70	19.54	26.63	61.87	66.84	24.55
USGS2928590900040000 Barataria Waterway South of Lafitte	15.71	26.41	12.49	11.38	11.55	11.43	12.96	15.78	23.33	27.30	32.78	12.08
USGS7380251 Barataria Bay North of Grand Isle	13.72	20.85	13.49	11.51	11.61	10.94	10.89	11.92	12.33	15.11	30.95	16.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	49.09	105.88	20.83	13.45	12.51	11.65	12.12	39.48	61.72	74.18	164.03	22.01
USGS 07380335 - Little Lake Near Cutoff	117.06	194.70	37.38	20.12	15.54	13.03	13.28	86.62	116.84	160.02	272.85	46.03
USGS073802516 Barataria Pass at Grand Isle	83.99	181.84	50.37	35.01	30.51	23.87	18.20	96.68	99.88	133.61	210.35	69.06
HWQ14 - Lake Washington	19.82	36.30	19.91	18.87	20.62	16.85	11.00	17.27	34.34	34.27	62.64	31.51
HWQ16 - Bayou Grand Liard	432.73	482.03	254.95	178.21	116.50	101.51	192.81	331.42	357.17	473.93	576.75	313.24
CRMS 3985	14.06	16.16	13.92	11.55	11.49	10.78	9.82	9.22	9.77	12.02	18.19	16.92
CRMS 0258	25.43	116.10	38.10	15.66	14.70	11.53	11.75	18.85	82.16	152.39	187.57	48.13
CRMS 0224	44.26	145.54	41.73	19.74	16.80	12.22	11.65	32.43	95.60	127.52	193.63	51.75
CRMS 0163	48.37	54.69	16.11	12.07	11.69	11.36	13.55	20.38	27.65	58.52	62.27	16.71
CRMS 0162	70.11	74.13	14.94	16.92	13.12	12.72	13.81	18.01	32.20	42.07	64.88	14.34

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-40.63	-67.80	-51.47	-73.67	-78.56	-50.18	-24.60	-16.49	-29.08	-34.49	-72.46	-89.81
CRMS0276 - Just east of Wilkinson Canal	-51.37	-18.59	-22.93	-21.11	-12.01	-12.56	-60.72	-55.52	-1.65	-3.66	-12.23	-12.48
Barataria Waterway at Lafitte (USACE82875)	-0.12	0.35	0.44	0.13	0.05	0.01	-0.01	-0.30	-0.41	1.32	1.17	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.44	-116.11	-103.10	-93.14	-86.59	-48.56	-36.22	-29.56	-48.06	-65.49	-121.37	-167.35
USGS7380251 Barataria Bay North of Grand Isle	-8.94	-11.69	-12.95	-41.56	-56.59	-37.14	-19.08	-12.66	-6.18	-6.65	-12.52	-17.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	-63.57	-64.48	-73.16	-113.62	-117.23	-80.13	-55.77	-71.37	-13.52	-25.93	-47.37	-145.99
USGS 07380335 - Little Lake Near Cutoff	-88.96	-75.70	-121.51	-138.14	-133.02	-92.32	-87.83	-92.40	-11.76	-26.70	-47.91	-215.88
USGS073802516 Barataria Pass at Grand Isle	-63.62	-56.97	-82.27	-145.75	-155.01	-116.14	-101.03	-93.01	-5.57	-19.94	-28.01	-149.12
HWQ14 - Lake Washington	-16.08	-17.97	-17.04	-67.22	-85.29	-64.15	-39.14	-36.64	-1.13	-3.64	-6.80	-27.13
HWQ16 - Bayou Grand Liard	-47.27	-34.76	-128.73	-147.77	-127.21	-95.41	-113.55	-54.21	-5.50	-16.23	-17.64	-127.60
CRMS 3985	-1.27	-2.17	-2.16	-18.21	-32.99	-28.46	-16.40	-10.99	-6.70	-4.59	-3.01	-1.95
CRMS 0258	-120.95	-108.05	-102.35	-64.87	-50.36	-20.74	-18.67	-21.46	-34.73	-31.52	-74.98	-147.39
CRMS 0224	-106.97	-93.32	-124.29	-108.35	-101.20	-62.00	-58.63	-66.02	-33.08	-29.16	-75.61	-205.99
CRMS 0163	0.07	-0.45	0.16	0.12	0.03	0.00	0.10	0.21	-0.41	0.53	2.20	0.79
CRMS 0162	4.49	3.29	0.06	0.69	0.27	0.11	0.16	-0.03	-2.08	3.26	3.98	0.31

Figure WQ SO4 5 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.65	80.40	58.87	78.29	100.91	68.37	31.62	33.79	55.92	71.80	89.85	107.88
CRMS0276 - Just east of Wilkinson Canal	330.27	305.24	206.21	174.98	97.18	105.46	154.62	281.91	296.82	320.72	356.83	338.55
Barataria Waterway at Lafitte (USACE82875)	42.39	39.27	18.35	15.83	11.91	14.43	28.79	54.72	48.97	43.91	40.00	51.38
USGS2928590900040000 Barataria Waterway South of Lafitte	103.32	137.83	101.88	107.31	118.35	74.00	44.15	46.76	92.64	128.92	155.00	172.96
USGS7380251 Barataria Bay North of Grand Isle	24.59	31.33	25.29	42.04	67.45	45.06	20.01	18.08	18.87	24.03	40.43	31.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	126.21	160.11	94.74	126.56	142.10	94.01	46.01	126.34	104.20	118.91	189.45	159.57
USGS 07380335 - Little Lake Near Cutoff	232.18	251.65	158.29	175.74	170.40	119.87	93.48	247.26	178.11	212.82	284.70	262.03
USGS073802516 Barataria Pass at Grand Isle	166.18	223.34	135.48	191.21	207.81	160.63	106.47	233.77	146.37	172.50	214.53	217.51
HWQ14 - Lake Washington	39.11	52.28	37.26	71.82	106.84	75.64	29.35	38.78	42.44	45.62	63.39	53.30
HWQ16 - Bayou Grand Liard	514.90	481.75	395.57	385.82	288.33	267.63	392.83	519.52	450.46	484.58	539.42	512.85
CRMS 3985	16.34	17.89	15.43	23.01	39.92	34.57	17.15	15.94	16.08	16.88	19.99	19.12
CRMS 0258	163.76	178.70	104.01	103.15	85.72	44.38	42.85	64.79	165.27	234.73	247.68	273.39
CRMS 0224	176.86	227.47	149.59	153.20	144.90	93.38	62.83	125.27	171.98	208.98	250.83	244.86
CRMS 0163	36.13	37.94	18.02	16.21	11.74	14.73	40.69	57.61	48.46	38.45	40.05	46.32
CRMS 0162	53.63	59.87	22.60	22.85	14.21	18.27	20.83	25.26	98.49	24.26	39.04	25.55

V3PR3 HYST - cy 0 - 1970 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.84	16.19	14.06	12.78	11.28	13.88	17.06	18.76	19.80	17.47	17.83	18.04
CRMS0276 - Just east of Wilkinson Canal	244.87	283.35	171.27	156.87	78.46	68.68	111.91	248.69	290.20	318.10	344.15	324.31
Barataria Waterway at Lafitte (USACE82875)	43.87	40.63	19.34	16.63	12.16	14.57	27.54	51.91	49.65	45.31	39.51	52.77
USGS2928590900040000 Barataria Waterway South of Lafitte	15.61	19.42	14.06	12.94	11.28	13.67	16.01	20.78	32.16	33.54	36.44	29.92
USGS7380251 Barataria Bay North of Grand Isle	15.73	17.96	13.83	13.15	11.72	12.19	11.40	14.47	14.45	17.86	31.17	22.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	44.85	63.65	19.59	18.24	12.95	14.28	23.38	101.20	82.42	88.52	153.47	96.03
USGS 07380335 - Little Lake Near Cutoff	106.12	122.78	33.90	32.83	17.64	17.94	55.64	213.60	159.72	182.42	248.30	190.96
USGS073802516 Barataria Pass at Grand Isle	82.81	126.99	46.73	53.55	37.69	37.91	71.22	213.84	132.33	152.75	195.21	168.35
HWQ14 - Lake Washington	25.56	29.97	18.64	23.05	24.00	19.79	15.91	37.65	41.31	42.39	62.50	41.35
HWQ16 - Bayou Grand Liard	437.11	410.68	280.04	253.83	144.63	168.32	356.81	502.29	443.21	474.75	522.74	483.61
CRMS 3985	15.07	15.37	13.14	12.62	12.04	11.30	10.13	10.06	12.56	14.24	19.16	17.88
CRMS 0258	49.49	62.81	20.22	25.29	17.17	14.18	13.82	32.42	126.73	188.87	185.13	172.71
CRMS 0224	55.32	93.51	27.65	35.91	20.97	16.20	21.35	81.21	139.95	159.31	186.55	150.42
CRMS 0163	37.04	39.29	18.35	17.11	11.94	14.72	39.21	54.41	49.26	38.95	38.98	47.41
CRMS 0162	54.91	61.35	23.71	24.72	14.61	19.03	21.03	25.48	101.62	24.10	38.93	25.47

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-41.81	-64.21	-44.81	-65.51	-89.63	-54.50	-14.57	-15.03	-36.12	-54.33	-72.03	-89.84
CRMS0276 - Just east of Wilkinson Canal	-85.40	-21.89	-34.94	-18.11	-18.72	-36.78	-42.71	-33.22	-6.62	-2.61	-12.68	-14.24
Barataria Waterway at Lafitte (USACE82875)	1.48	1.36	0.99	0.80	0.24	0.14	-1.25	-2.81	0.68	1.39	-0.48	1.40
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.71	-118.41	-87.82	-94.37	-107.07	-60.32	-28.14	-25.98	-60.47	-95.38	-118.56	-143.05
USGS7380251 Barataria Bay North of Grand Isle	-8.86	-13.37	-11.45	-28.90	-55.73	-32.87	-8.62	-3.61	-4.42	-6.17	-9.26	-9.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	-81.36	-96.46	-75.16	-108.32	-129.14	-79.72	-22.62	-25.14	-21.78	-30.39	-35.99	-63.54
USGS 07380335 - Little Lake Near Cutoff	-126.06	-128.88	-124.40	-142.91	-152.77	-101.93	-37.84	-33.66	-18.39	-30.40	-36.39	-71.06
USGS073802516 Barataria Pass at Grand Isle	-83.37	-96.35	-88.75	-137.67	-170.12	-122.72	-35.25	-19.93	-14.04	-19.75	-19.32	-49.16
HWQ14 - Lake Washington	-13.55	-22.31	-18.62	-48.78	-82.84	-55.85	-13.44	-1.14	-1.13	-3.23	-0.89	-11.94
HWQ16 - Bayou Grand Liard	-77.79	-71.07	-115.53	-131.99	-143.70	-99.31	-36.02	-17.23	-7.24	-9.83	-16.68	-29.25
CRMS 3985	-1.28	-2.52	-2.29	-10.39	-27.88	-23.28	-7.02	-5.88	-3.52	-2.64	-0.83	-1.23
CRMS 0258	-114.27	-115.89	-83.79	-77.86	-68.55	-30.20	-29.03	-32.38	-38.54	-45.87	-62.55	-100.68
CRMS 0224	-121.55	-133.96	-121.94	-117.29	-123.94	-77.17	-41.48	-44.06	-32.03	-49.68	-64.28	-94.44
CRMS 0163	0.91	1.35	0.33	0.89	0.20	0.00	-1.47	-3.19	0.80	0.49	-1.07	1.09
CRMS 0162	1.28	1.48	1.10	1.87	0.40	0.75	0.20	0.22	3.13	-0.16	-0.11	-0.09

Figure WQ SO4 6 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.34	69.68	56.34	70.82	79.17	56.01	41.93	38.55	54.88	66.41	99.35	106.85
CRMS0276 - Just east of Wilkinson Canal	280.41	175.52	93.27	93.56	61.33	107.64	186.98	252.19	276.55	390.21	435.61	300.39
Barataria Waterway at Lafitte (USACE82875)	36.31	15.14	11.08	11.26	11.11	16.90	22.65	33.55	39.79	80.62	58.93	31.97
USGS2928590900040000 Barataria Waterway South of Lafitte	98.27	117.72	89.24	82.31	85.31	56.97	53.77	53.71	91.26	118.33	168.69	191.87
USGS7380251 Barataria Bay North of Grand Isle	23.80	29.43	28.38	49.38	61.44	44.05	30.76	22.99	18.78	24.33	44.03	35.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	118.28	145.26	89.91	114.03	117.29	88.08	83.38	124.54	90.87	120.55	215.81	171.84
USGS 07380335 - Little Lake Near Cutoff	215.80	216.33	131.78	141.45	136.19	112.60	141.81	221.16	158.96	222.19	325.72	273.20
USGS073802516 Barataria Pass at Grand Isle	157.20	197.94	123.09	166.12	171.61	155.64	155.84	215.56	126.70	181.30	240.82	225.85
HWQ14 - Lake Washington	38.10	51.87	43.88	80.39	97.76	73.62	50.08	48.36	37.53	44.68	69.26	58.72
HWQ16 - Bayou Grand Liard	492.54	381.83	297.85	305.08	236.94	277.88	407.13	464.70	425.36	532.04	591.36	487.98
CRMS 3985	15.91	16.23	15.49	29.93	41.42	36.19	24.97	17.87	16.54	17.65	21.34	19.62
CRMS 0258	137.49	128.75	77.56	61.90	55.40	37.38	50.19	71.42	158.36	234.88	297.32	223.47
CRMS 0224	162.04	196.56	119.68	107.05	104.69	76.47	91.79	122.38	165.16	196.27	283.84	269.71
CRMS 0163	35.52	13.93	10.83	11.25	11.08	18.22	25.21	36.49	39.65	72.16	55.43	25.47
CRMS 0162	27.19	15.42	12.10	14.29	12.73	21.02	18.46	24.18	63.80	68.55	55.10	19.15

V3PR3 HYST - cy 0 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.63	11.52	10.85	10.93	10.98	15.06	15.75	17.58	19.01	19.46	19.22	15.03
CRMS0276 - Just east of Wilkinson Canal	220.08	147.51	70.77	75.45	47.91	86.72	149.41	223.93	275.00	378.70	419.00	287.12
Barataria Waterway at Lafitte (USACE82875)	38.63	16.16	11.15	11.33	11.17	16.93	22.66	33.68	39.03	79.05	58.34	32.69
USGS2928590900040000 Barataria Waterway South of Lafitte	14.92	11.58	10.86	10.95	10.95	14.04	15.30	18.77	30.22	31.38	38.94	25.50
USGS7380251 Barataria Bay North of Grand Isle	14.48	12.10	10.73	10.66	10.81	10.85	10.59	13.61	14.28	17.44	34.19	21.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	28.39	16.17	11.97	12.04	11.60	19.31	32.34	88.37	78.30	89.08	175.94	68.48
USGS 07380335 - Little Lake Near Cutoff	71.91	31.62	16.35	16.77	13.76	31.55	77.36	180.69	150.55	190.16	284.53	138.60
USGS073802516 Barataria Pass at Grand Isle	60.76	47.06	23.59	26.53	25.86	62.09	97.26	189.76	127.09	156.73	219.22	132.64
HWQ14 - Lake Washington	20.29	15.84	12.22	14.25	17.66	18.36	18.45	37.60	42.98	40.66	68.46	40.19
HWQ16 - Bayou Grand Liard	418.49	250.73	155.20	158.30	108.04	219.15	375.45	448.62	418.00	516.08	574.29	420.97
CRMS 3985	14.19	12.43	10.50	10.00	10.40	9.84	9.00	9.37	11.64	13.94	19.95	17.87
CRMS 0258	29.21	17.83	11.87	14.60	13.30	14.33	16.84	30.48	118.99	183.45	214.46	120.44
CRMS 0224	35.85	26.66	13.81	17.29	14.66	18.14	33.62	72.29	131.85	152.20	209.94	125.81
CRMS 0163	37.13	14.44	10.85	11.34	11.12	18.15	25.08	36.85	38.76	71.84	54.86	26.16
CRMS 0162	28.71	16.09	12.10	15.19	13.00	21.86	18.59	23.35	59.28	64.15	53.21	19.35

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-39.71	-58.16	-45.49	-59.88	-68.19	-40.95	-26.18	-20.97	-35.87	-46.94	-80.13	-91.81
CRMS0276 - Just east of Wilkinson Canal	-60.33	-28.01	-22.50	-18.11	-13.42	-20.92	-37.57	-28.25	-1.54	-11.51	-16.61	-13.27
Barataria Waterway at Lafitte (USACE82875)	2.33	1.01	0.07	0.08	0.05	0.03	0.01	0.13	-0.76	-1.57	-0.59	0.71
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.35	-106.14	-78.38	-71.35	-74.36	-42.93	-38.46	-34.94	-61.04	-86.95	-129.75	-166.37
USGS7380251 Barataria Bay North of Grand Isle	-9.32	-17.33	-17.65	-38.73	-50.64	-33.20	-20.17	-9.39	-4.49	-6.89	-9.84	-14.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-89.89	-129.09	-77.94	-101.98	-105.70	-68.78	-51.04	-36.17	-12.57	-31.47	-39.87	-103.37
USGS 07380335 - Little Lake Near Cutoff	-143.88	-184.71	-115.43	-124.67	-122.43	-81.05	-64.45	-40.47	-8.41	-32.03	-41.19	-134.60
USGS073802516 Barataria Pass at Grand Isle	-96.44	-150.88	-99.50	-139.60	-145.75	-93.55	-58.58	-25.79	0.39	-24.56	-21.60	-93.22
HWQ14 - Lake Washington	-17.81	-36.03	-31.66	-66.14	-80.10	-55.26	-31.64	-10.76	5.45	-4.03	-0.80	-18.54
HWQ16 - Bayou Grand Liard	-74.04	-131.10	-142.65	-146.77	-128.90	-58.73	-31.68	-16.08	-7.36	-15.95	-17.07	-67.01
CRMS 3985	-1.72	-3.80	-4.99	-19.93	-31.02	-26.36	-15.97	-8.50	-4.91	-3.71	-1.40	-1.76
CRMS 0258	-108.28	-110.92	-65.69	-47.30	-42.10	-23.05	-33.35	-40.94	-39.37	-51.43	-82.86	-103.04
CRMS 0224	-126.19	-169.90	-105.87	-89.76	-90.03	-58.33	-58.17	-50.09	-33.31	-44.07	-73.91	-143.90
CRMS 0163	1.61	0.51	0.03	0.09	0.04	-0.07	-0.14	0.36	-0.89	-0.32	-0.57	0.69
CRMS 0162	1.52	0.67	0.00	0.89	0.27	0.84	0.13	-0.83	-4.52	-4.40	-1.89	0.20

Figure WQ SO4 7 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.99	81.25	65.97	87.34	100.80	84.64	42.89	38.41	61.14	71.23	84.60	87.72
CRMS0276 - Just east of Wilkinson Canal	348.67	247.57	246.44	221.94	204.53	219.07	249.75	332.51	352.52	353.55	353.16	291.25
Barataria Waterway at Lafitte (USACE82875)	82.83	27.93	26.95	22.27	20.65	30.35	52.45	78.64	75.36	59.67	39.29	37.43
USGS2928590900040000 Barataria Waterway South of Lafitte	94.26	140.00	104.99	122.16	136.89	101.28	60.02	56.22	105.41	131.89	155.36	150.72
USGS7380251 Barataria Bay North of Grand Isle	23.35	33.63	24.82	41.43	49.18	37.34	21.18	19.40	19.11	23.32	39.55	30.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.67	169.95	92.21	133.12	126.92	103.98	66.93	144.73	111.21	116.95	191.40	146.57
USGS 07380335 - Little Lake Near Cutoff	239.22	255.76	159.52	192.68	177.27	151.18	145.77	278.89	199.83	216.03	287.90	241.11
USGS073802516 Barataria Pass at Grand Isle	168.28	228.37	134.28	202.97	216.25	205.71	154.04	261.69	157.74	173.92	213.91	201.45
HWQ14 - Lake Washington	36.76	58.43	35.00	71.08	81.68	72.21	32.46	42.83	41.55	41.79	62.60	50.71
HWQ16 - Bayou Grand Liard	550.52	448.04	423.11	425.39	376.01	383.28	494.80	565.78	494.12	507.08	534.03	475.51
CRMS 3985	16.74	18.12	15.85	21.79	27.11	25.84	17.83	16.52	16.90	17.22	19.85	18.35
CRMS 0258	163.52	162.02	152.00	132.50	124.33	121.12	87.21	86.01	192.45	263.46	215.73	171.22
CRMS 0224	165.08	236.36	150.73	169.59	173.07	134.62	93.97	145.16	200.19	213.47	255.69	223.34
CRMS 0163	72.29	25.66	26.05	25.95	22.31	32.23	63.01	85.60	70.34	54.18	36.66	32.89
CRMS 0162	59.75	25.13	24.27	33.19	24.15	29.90	23.84	51.02	153.08	30.17	35.13	21.60

V3PR3 HYST - cy 0 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.69	14.42	15.68	15.70	14.60	17.17	18.63	19.80	20.55	18.61	17.27	16.41
CRMS0276 - Just east of Wilkinson Canal	316.27	215.52	232.22	201.77	184.73	199.23	225.18	303.86	341.82	352.87	350.83	283.42
Barataria Waterway at Lafitte (USACE82875)	83.55	30.17	26.91	22.26	21.89	30.14	51.58	76.84	75.22	61.14	39.89	36.75
USGS2928590900040000 Barataria Waterway South of Lafitte	21.81	14.50	16.53	18.64	15.37	18.54	18.24	21.82	35.04	35.69	37.24	28.45
USGS7380251 Barataria Bay North of Grand Isle	17.24	15.34	15.36	17.53	18.41	16.52	15.12	17.13	15.80	19.87	31.54	21.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	76.36	39.89	47.87	57.84	30.76	48.28	54.86	116.78	90.00	99.51	156.43	87.61
USGS 07380335 - Little Lake Near Cutoff	176.01	85.20	97.95	102.22	54.96	83.04	127.71	244.73	178.48	201.96	255.30	175.26
USGS073802516 Barataria Pass at Grand Isle	126.73	107.00	101.67	124.24	106.66	143.34	146.63	242.95	147.55	168.91	198.50	154.65
HWQ14 - Lake Washington	28.18	27.19	27.92	41.20	45.28	44.88	32.89	48.58	44.57	47.20	62.72	39.58
HWQ16 - Bayou Grand Liard	522.24	370.84	389.95	355.62	287.40	337.41	480.92	549.71	484.00	504.44	529.43	447.15
CRMS 3985	15.81	14.89	13.11	14.41	17.13	15.26	12.95	12.11	14.46	15.85	19.73	17.39
CRMS 0258	80.30	41.81	49.33	56.37	45.85	49.75	28.98	40.67	146.39	219.76	169.38	115.17
CRMS 0224	92.92	68.05	63.20	72.60	62.49	57.40	56.67	101.13	157.40	175.99	195.41	141.21
CRMS 0163	72.95	27.75	26.20	26.22	23.47	32.73	62.14	84.48	68.20	53.39	37.23	31.95
CRMS 0162	62.45	26.44	25.64	32.41	24.98	30.48	23.75	55.20	155.94	30.06	35.70	21.43

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-37.30	-66.83	-50.30	-71.64	-86.20	-67.48	-24.26	-18.61	-40.59	-52.62	-67.32	-71.30
CRMS0276 - Just east of Wilkinson Canal	-32.40	-32.05	-14.22	-20.17	-19.80	-19.84	-24.57	-28.64	-10.70	-0.68	-2.33	-7.82
Barataria Waterway at Lafitte (USACE82875)	0.72	2.24	-0.05	0.00	1.24	-0.22	-0.87	-1.80	-0.14	1.46	0.60	-0.68
USGS2928590900040000 Barataria Waterway South of Lafitte	-72.45	-125.50	-88.46	-103.52	-121.51	-82.74	-41.78	-34.40	-70.37	-96.20	-118.12	-122.27
USGS7380251 Barataria Bay North of Grand Isle	-6.11	-18.29	-9.46	-23.90	-30.78	-20.82	-6.07	-2.27	-3.31	-3.45	-8.01	-8.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	-49.31	-130.06	-44.33	-75.28	-96.17	-55.69	-12.07	-27.96	-21.21	-17.45	-34.97	-58.96
USGS 07380335 - Little Lake Near Cutoff	-63.20	-170.56	-61.57	-90.46	-122.31	-68.14	-18.06	-34.16	-21.35	-14.07	-32.60	-65.85
USGS073802516 Barataria Pass at Grand Isle	-41.55	-121.37	-32.61	-78.73	-109.59	-62.36	-7.42	-18.74	-10.19	-5.01	-15.40	-46.80
HWQ14 - Lake Washington	-8.59	-31.23	-7.08	-29.88	-36.41	-27.33	0.43	5.75	3.02	5.41	0.12	-11.13
HWQ16 - Bayou Grand Liard	-28.27	-77.19	-33.16	-69.76	-88.61	-45.87	-13.88	-16.06	-10.12	-2.64	-4.60	-28.36
CRMS 3985	-0.93	-3.24	-2.74	-7.38	-9.97	-10.58	-4.88	-4.41	-2.44	-1.37	-0.12	-0.96
CRMS 0258	-83.22	-120.20	-102.67	-76.12	-78.48	-71.37	-58.23	-45.34	-46.06	-43.70	-46.36	-56.05
CRMS 0224	-72.16	-168.31	-87.53	-97.00	-110.59	-77.22	-37.30	-44.03	-42.79	-37.48	-60.28	-82.13
CRMS 0163	0.66	2.09	0.15	0.27	1.15	0.50	-0.87	-1.12	-2.14	-0.78	0.57	-0.94
CRMS 0162	2.70	1.32	1.37	-0.78	0.82	0.59	-0.09	4.18	2.86	-0.11	0.56	-0.17

Figure WQ SO4 8 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.50	71.69	58.42	82.35	94.62	72.22	31.72	24.45	39.72	54.51	89.85	110.15
CRMS0276 - Just east of Wilkinson Canal	316.53	141.12	124.21	120.39	118.93	81.01	115.92	164.83	188.84	291.05	409.09	371.44
Barataria Waterway at Lafitte (USACE82875)	29.61	12.95	12.99	12.11	13.93	12.30	13.62	17.54	23.16	44.33	62.78	54.06
USGS2928590900040000 Barataria Waterway South of Lafitte	107.75	119.34	90.14	101.13	108.87	79.76	47.02	33.83	58.39	91.96	149.13	183.37
USGS7380251 Barataria Bay North of Grand Isle	25.36	29.93	31.16	55.26	70.21	48.98	20.05	17.63	16.26	22.33	41.45	33.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	130.12	141.26	97.22	135.65	143.23	99.59	42.11	95.36	75.95	108.24	200.11	171.21
USGS 07380335 - Little Lake Near Cutoff	233.72	203.98	143.47	170.13	174.35	123.65	73.90	160.86	125.06	190.41	302.45	283.01
USGS073802516 Barataria Pass at Grand Isle	171.98	188.78	133.68	193.74	213.91	163.66	89.54	173.29	107.88	160.62	226.21	230.43
HWQ14 - Lake Washington	41.46	53.20	47.69	90.03	109.16	81.03	29.80	42.13	36.89	44.60	66.13	55.18
HWQ16 - Bayou Grand Liard	498.29	347.90	335.20	346.90	313.56	247.39	308.77	370.94	349.92	463.19	573.28	531.30
CRMS 3985	16.29	16.23	16.37	31.95	45.31	37.71	16.01	14.14	13.99	15.59	20.43	19.69
CRMS 0258	162.74	130.62	75.18	83.54	81.18	48.59	34.96	32.41	91.74	176.37	249.92	271.58
CRMS 0224	183.95	190.63	121.97	137.09	141.89	99.39	61.54	81.29	115.08	160.96	254.17	264.33
CRMS 0163	23.51	11.94	13.15	12.58	14.48	12.55	13.80	17.34	24.22	41.30	64.36	43.54
CRMS 0162	19.23	13.23	15.52	18.18	16.98	15.35	14.13	16.55	28.92	26.09	71.04	25.80

V3PR3 HYST - cy 0 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.73	10.97	12.38	11.75	12.07	12.44	13.16	14.76	16.72	17.70	19.93	17.62
CRMS0276 - Just east of Wilkinson Canal	216.96	114.91	91.91	97.02	99.65	51.70	47.08	93.23	185.70	287.91	396.98	365.06
Barataria Waterway at Lafitte (USACE82875)	30.66	13.30	13.22	12.32	14.30	12.35	13.69	17.55	23.58	45.62	64.90	56.04
USGS2928590900040000 Barataria Waterway South of Lafitte	12.97	10.99	12.39	11.66	12.25	12.33	13.07	14.58	20.62	27.48	36.37	29.87
USGS7380251 Barataria Bay North of Grand Isle	14.48	11.70	11.77	11.29	12.12	11.38	11.31	12.26	11.27	15.59	30.52	22.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.76	15.05	14.88	13.88	14.55	12.89	12.52	22.92	47.60	77.73	158.94	103.50
USGS 07380335 - Little Lake Near Cutoff	59.66	28.59	22.17	21.70	21.61	15.64	14.04	43.44	95.15	162.14	261.33	207.28
USGS073802516 Barataria Pass at Grand Isle	55.36	44.38	30.29	36.15	47.43	33.19	21.16	54.47	79.99	136.23	204.06	179.72
HWQ14 - Lake Washington	23.42	17.08	13.21	16.82	23.63	19.52	12.11	13.37	26.57	35.61	61.58	42.47
HWQ16 - Bayou Grand Liard	382.57	222.80	204.79	190.59	177.32	140.89	205.20	286.94	332.55	456.27	561.95	505.72
CRMS 3985	14.96	12.52	10.80	10.60	11.59	10.74	10.22	9.98	9.46	11.05	17.67	17.92
CRMS 0258	36.04	15.65	13.93	17.89	19.97	12.93	12.12	15.50	60.62	141.71	183.60	174.15
CRMS 0224	35.73	22.85	17.16	23.09	24.73	14.77	12.20	19.59	75.57	126.33	186.90	161.42
CRMS 0163	24.01	12.13	13.25	12.79	14.59	12.55	14.06	17.68	24.75	41.66	66.85	43.76
CRMS 0162	20.32	13.57	16.33	19.02	17.79	15.47	14.25	16.59	29.08	27.01	72.39	26.34

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-44.77	-60.71	-46.03	-70.60	-82.55	-59.78	-18.56	-9.69	-23.00	-36.82	-69.91	-92.53
CRMS0276 - Just east of Wilkinson Canal	-99.56	-26.21	-32.29	-23.38	-19.28	-29.31	-68.83	-71.60	-3.14	-3.14	-12.11	-6.38
Barataria Waterway at Lafitte (USACE82875)	1.05	0.35	0.23	0.21	0.37	0.05	0.07	0.01	0.42	1.28	2.12	1.98
USGS2928590900040000 Barataria Waterway South of Lafitte	-94.78	-108.35	-77.74	-89.47	-96.62	-67.42	-33.94	-19.25	-37.77	-64.48	-112.75	-153.49
USGS7380251 Barataria Bay North of Grand Isle	-10.89	-18.23	-19.39	-43.98	-58.08	-37.60	-8.74	-5.37	-4.99	-6.74	-10.93	-10.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	-107.36	-126.21	-82.34	-121.77	-128.68	-86.70	-29.59	-72.44	-28.35	-30.51	-41.17	-67.71
USGS 07380335 - Little Lake Near Cutoff	-174.06	-175.39	-121.30	-148.43	-152.75	-108.01	-59.86	-117.43	-29.91	-28.27	-41.12	-75.73
USGS073802516 Barataria Pass at Grand Isle	-116.62	-144.40	-103.38	-157.59	-166.48	-130.47	-68.38	-118.82	-27.89	-24.39	-22.15	-50.71
HWQ14 - Lake Washington	-18.05	-36.11	-34.48	-73.20	-85.53	-61.52	-17.69	-28.76	-10.32	-8.98	-4.55	-12.71
HWQ16 - Bayou Grand Liard	-115.73	-125.11	-130.41	-156.32	-136.24	-106.50	-103.57	-84.01	-17.38	-6.92	-11.33	-25.58
CRMS 3985	-1.34	-3.71	-5.57	-21.35	-33.72	-26.97	-5.79	-4.16	-4.52	-4.54	-2.76	-1.76
CRMS 0258	-126.69	-114.97	-61.25	-65.65	-61.20	-35.66	-22.85	-16.90	-31.12	-34.66	-66.32	-97.43
CRMS 0224	-148.22	-167.77	-104.81	-113.99	-117.16	-84.61	-49.35	-61.70	-39.51	-34.64	-67.27	-102.91
CRMS 0163	0.50	0.19	0.10	0.21	0.10	0.00	0.27	0.35	0.53	0.36	2.49	0.22
CRMS 0162	1.09	0.33	0.81	0.84	0.82	0.12	0.12	0.04	0.17	0.93	1.35	0.55

Figure WQ SO4 9 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.00	86.19	63.44	85.02	90.13	61.66	37.63	32.15	46.49	53.29	91.89	101.81
CRMS0276 - Just east of Wilkinson Canal	256.32	346.87	206.73	105.96	63.12	42.05	99.11	179.57	209.60	329.11	438.12	232.20
Barataria Waterway at Lafitte (USACE82875)	45.91	55.50	20.19	11.76	11.70	11.39	12.72	19.84	27.04	60.55	65.68	23.20
USGS2928590900040000 Barataria Waterway South of Lafitte	96.15	142.51	115.59	104.53	98.14	59.99	49.18	45.34	71.39	92.79	154.15	179.43
USGS7380251 Barataria Bay North of Grand Isle	22.67	32.54	26.44	53.07	68.20	48.08	29.97	24.58	18.51	21.76	43.47	33.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	112.66	170.37	94.00	127.07	129.74	91.78	67.89	110.85	75.24	100.11	211.39	168.00
USGS 07380335 - Little Lake Near Cutoff	206.02	270.39	158.89	158.26	148.56	105.35	101.12	179.02	128.60	186.71	320.76	261.91
USGS073802516 Barataria Pass at Grand Isle	147.62	238.81	132.63	180.77	185.52	140.02	119.22	189.69	105.45	153.55	238.36	218.18
HWQ14 - Lake Washington	35.91	54.27	36.95	86.09	105.91	81.00	50.14	53.91	35.47	37.90	69.44	58.63
HWQ16 - Bayou Grand Liard	480.00	516.79	383.68	325.98	243.71	196.91	306.36	385.63	362.67	490.17	594.39	440.84
CRMS 3985	15.33	18.33	16.08	29.76	44.47	39.24	26.21	20.21	16.47	16.61	21.20	18.87
CRMS 0258	146.38	224.14	140.45	80.53	65.06	32.27	30.42	40.31	116.88	183.91	262.55	195.52
CRMS 0224	151.23	238.86	166.01	128.08	118.00	74.22	70.28	98.45	128.67	156.69	269.24	257.73
CRMS 0163	48.30	55.14	15.94	11.95	11.67	11.37	13.45	20.16	28.06	57.99	60.07	15.92
CRMS 0162	65.62	70.85	14.88	16.23	12.85	12.61	13.65	18.04	34.27	38.82	60.89	14.03

V3PR3 HYST - cy 0 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.37	18.38	11.97	11.35	11.57	11.49	13.03	15.66	17.43	18.83	19.51	12.00
CRMS0276 - Just east of Wilkinson Canal	201.96	329.65	185.91	85.63	48.53	28.66	38.58	129.20	206.47	325.83	428.64	216.19
Barataria Waterway at Lafitte (USACE82875)	44.43	56.36	20.99	11.86	11.76	11.41	12.73	19.90	26.87	62.12	67.38	24.72
USGS2928590900040000 Barataria Waterway South of Lafitte	15.66	27.66	12.67	11.39	11.54	11.40	12.93	15.83	24.67	29.28	35.21	12.13
USGS7380251 Barataria Bay North of Grand Isle	13.71	20.81	13.48	11.51	11.62	10.93	10.92	11.92	12.30	15.23	31.20	16.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	48.14	106.35	21.25	13.51	12.50	11.63	12.13	41.17	62.19	74.61	165.69	22.25
USGS 07380335 - Little Lake Near Cutoff	114.97	196.37	38.38	20.42	15.44	13.01	13.33	90.91	117.66	161.55	276.05	46.86
USGS073802516 Barataria Pass at Grand Isle	82.18	183.73	51.39	36.41	30.35	23.71	18.22	102.21	101.29	133.89	211.67	69.29
HWQ14 - Lake Washington	19.68	36.21	19.93	19.19	20.66	16.77	10.98	17.94	35.31	34.76	63.26	31.50
HWQ16 - Bayou Grand Liard	426.25	486.53	261.39	181.40	114.67	103.85	194.48	344.52	357.85	475.39	583.85	311.00
CRMS 3985	14.05	16.16	13.90	11.55	11.51	10.77	9.83	9.25	9.79	12.05	18.16	16.88
CRMS 0258	25.51	114.71	38.69	16.60	14.80	11.46	11.71	19.29	83.06	152.01	189.72	50.13
CRMS 0224	43.72	144.68	42.53	20.32	16.77	12.18	11.64	34.20	96.60	127.82	195.74	53.58
CRMS 0163	47.14	55.62	16.30	12.01	11.67	11.37	13.55	20.73	28.08	59.46	62.34	16.65
CRMS 0162	67.40	73.17	15.06	17.47	13.10	12.72	13.80	17.92	31.98	39.98	64.55	14.15

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-40.63	-67.81	-51.47	-73.67	-78.56	-50.18	-24.60	-16.49	-29.06	-34.45	-72.39	-89.81
CRMS0276 - Just east of Wilkinson Canal	-54.37	-17.22	-20.82	-20.32	-14.59	-13.39	-60.53	-50.37	-3.13	-3.28	-9.48	-16.01
Barataria Waterway at Lafitte (USACE82875)	-1.48	0.87	0.80	0.11	0.06	0.03	0.01	0.06	-0.17	1.57	1.70	1.52
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.50	-114.85	-102.92	-93.13	-86.60	-48.59	-36.25	-29.51	-46.73	-63.50	-118.94	-167.30
USGS7380251 Barataria Bay North of Grand Isle	-8.95	-11.74	-12.96	-41.56	-56.59	-37.15	-19.05	-12.66	-6.21	-6.53	-12.27	-17.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	-64.52	-64.02	-72.74	-113.56	-117.24	-80.15	-55.76	-69.68	-13.05	-25.50	-45.70	-145.75
USGS 07380335 - Little Lake Near Cutoff	-91.05	-74.02	-120.51	-137.84	-133.12	-92.34	-87.79	-88.11	-10.94	-25.16	-44.71	-215.05
USGS073802516 Barataria Pass at Grand Isle	-65.44	-55.08	-81.24	-144.35	-155.17	-116.30	-101.01	-87.48	-4.16	-19.66	-26.69	-148.89
HWQ14 - Lake Washington	-16.22	-18.06	-17.02	-66.90	-85.25	-64.23	-39.16	-35.97	-0.16	-3.14	-6.18	-27.14
HWQ16 - Bayou Grand Liard	-53.75	-30.26	-122.30	-144.59	-129.04	-93.07	-111.88	-41.11	-4.82	-14.78	-10.53	-129.84
CRMS 3985	-1.28	-2.17	-2.17	-18.21	-32.97	-28.46	-16.38	-10.96	-6.68	-4.57	-3.05	-1.99
CRMS 0258	-120.87	-109.43	-101.76	-63.93	-50.26	-20.82	-18.71	-21.02	-33.82	-31.90	-72.83	-145.40
CRMS 0224	-107.50	-94.18	-123.49	-107.76	-101.23	-62.04	-58.64	-64.25	-32.07	-28.87	-73.50	-204.15
CRMS 0163	-1.16	0.48	0.35	0.07	0.00	0.00	0.10	0.57	0.02	1.47	2.27	0.73
CRMS 0162	1.78	2.32	0.17	1.24	0.25	0.11	0.14	-0.13	-2.29	1.17	3.65	0.12

Figure WQ SO4 10 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.65	80.40	58.87	78.29	100.91	68.37	31.62	33.79	55.92	71.80	89.85	107.88
CRMS0276 - Just east of Wilkinson Canal	330.27	305.24	206.21	174.98	97.18	105.46	154.62	281.91	296.82	320.72	356.83	338.55
Barataria Waterway at Lafitte (USACE82875)	42.39	39.27	18.35	15.83	11.91	14.43	28.79	54.72	48.97	43.91	40.00	51.38
USGS2928590900040000 Barataria Waterway South of Lafitte	103.32	137.83	101.88	107.31	118.35	74.00	44.15	46.76	92.64	128.92	155.00	172.96
USGS7380251 Barataria Bay North of Grand Isle	24.59	31.33	25.29	42.04	67.45	45.06	20.01	18.08	18.87	24.03	40.43	31.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	126.21	160.11	94.74	126.56	142.10	94.01	46.01	126.34	104.20	118.91	189.45	159.57
USGS 07380335 - Little Lake Near Cutoff	232.18	251.65	158.29	175.74	170.40	119.87	93.48	247.26	178.11	212.82	284.70	262.03
USGS073802516 Barataria Pass at Grand Isle	166.18	223.34	135.48	191.21	207.81	160.63	106.47	233.77	146.37	172.50	214.53	217.51
HWQ14 - Lake Washington	39.11	52.28	37.26	71.82	106.84	75.64	29.35	38.78	42.44	45.62	63.39	53.30
HWQ16 - Bayou Grand Liard	514.90	481.75	395.57	385.82	288.33	267.63	392.83	519.52	450.46	484.58	539.42	512.85
CRMS 3985	16.34	17.89	15.43	23.01	39.92	34.57	17.15	15.94	16.08	16.88	19.99	19.12
CRMS 0258	163.76	178.70	104.01	103.15	85.72	44.38	42.85	64.79	165.27	234.73	247.68	273.39
CRMS 0224	176.86	227.47	149.59	153.20	144.90	93.38	62.83	125.27	171.98	208.98	250.83	244.86
CRMS 0163	36.13	37.94	18.02	16.21	11.74	14.73	40.69	57.61	48.46	38.45	40.05	46.32
CRMS 0162	53.63	59.87	22.60	22.85	14.21	18.27	20.83	25.26	98.49	24.26	39.04	25.55

V3PR4 HYST - cy 0 - 1970 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.82	16.26	14.06	12.77	11.28	13.89	17.04	18.76	19.83	17.41	17.81	18.02
CRMS0276 - Just east of Wilkinson Canal	233.02	278.97	158.93	143.94	65.81	59.38	107.20	248.23	289.93	315.49	344.41	322.71
Barataria Waterway at Lafitte (USACE82875)	44.26	40.78	19.84	17.12	12.28	14.58	27.37	51.25	48.96	43.89	39.59	51.62
USGS2928590900040000 Barataria Waterway South of Lafitte	15.33	19.09	14.06	12.82	11.27	13.80	16.17	20.59	30.34	30.18	33.76	28.05
USGS7380251 Barataria Bay North of Grand Isle	15.52	18.90	13.80	12.86	11.46	12.11	11.17	14.42	14.82	17.82	31.37	22.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	42.98	64.88	17.61	14.94	11.73	13.52	22.05	100.94	85.04	87.43	154.48	95.38
USGS 07380335 - Little Lake Near Cutoff	99.73	119.98	28.06	22.47	13.32	15.13	53.30	211.71	163.79	180.04	249.71	189.36
USGS073802516 Barataria Pass at Grand Isle	78.34	126.10	40.88	38.13	24.68	27.46	67.35	214.10	137.75	151.03	196.79	167.80
HWQ14 - Lake Washington	25.69	32.13	17.52	19.61	18.81	15.95	14.07	37.11	43.87	42.24	62.70	41.16
HWQ16 - Bayou Grand Liard	425.84	402.39	251.00	209.52	106.79	148.14	355.64	501.35	446.03	471.37	523.07	481.59
CRMS 3985	15.08	15.69	13.23	12.42	11.64	11.08	9.86	9.91	12.49	14.19	19.02	17.85
CRMS 0258	44.02	59.02	17.50	19.83	13.01	13.16	13.70	32.22	127.57	185.79	182.73	172.82
CRMS 0224	49.65	90.46	22.73	26.58	14.32	13.99	20.44	80.51	141.66	157.29	186.49	147.85
CRMS 0163	37.40	39.31	18.66	17.64	12.03	14.71	39.41	54.08	49.05	38.29	39.25	46.77
CRMS 0162	54.64	61.53	25.24	24.39	14.99	19.37	21.07	25.55	101.51	24.33	38.42	25.84

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-41.83	-64.14	-44.80	-65.51	-89.63	-54.49	-14.58	-15.03	-36.08	-54.40	-72.05	-89.87
CRMS0276 - Just east of Wilkinson Canal	-97.24	-26.27	-47.28	-31.05	-31.37	-46.08	-47.42	-33.68	-6.89	-5.23	-12.42	-15.85
Barataria Waterway at Lafitte (USACE82875)	1.86	1.51	1.49	1.29	0.37	0.14	-1.42	-3.48	-0.01	-0.02	-0.41	0.24
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.99	-118.74	-87.82	-94.49	-107.08	-60.20	-27.97	-26.17	-62.30	-98.74	-121.24	-144.91
USGS7380251 Barataria Bay North of Grand Isle	-9.07	-12.43	-11.49	-29.18	-56.00	-32.95	-8.84	-3.66	-4.05	-6.21	-9.05	-9.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	-83.23	-95.23	-77.13	-111.62	-130.36	-80.49	-23.96	-25.40	-19.15	-31.47	-34.98	-64.19
USGS 07380335 - Little Lake Near Cutoff	-132.45	-131.68	-130.23	-153.28	-157.08	-104.74	-40.18	-35.54	-14.31	-32.78	-34.99	-72.67
USGS073802516 Barataria Pass at Grand Isle	-87.84	-97.24	-94.61	-153.08	-183.12	-133.16	-39.12	-19.68	-8.62	-21.47	-17.74	-49.71
HWQ14 - Lake Washington	-13.42	-20.15	-19.74	-52.22	-88.03	-59.69	-15.27	-1.67	1.43	-3.38	-0.69	-12.14
HWQ16 - Bayou Grand Liard	-89.06	-79.37	-144.57	-176.30	-181.54	-119.49	-37.19	-18.17	-4.43	-13.21	-16.35	-31.27
CRMS 3985	-1.27	-2.20	-2.21	-10.59	-28.28	-23.49	-7.29	-6.03	-3.59	-2.69	-0.97	-1.27
CRMS 0258	-119.74	-119.69	-86.51	-83.32	-72.70	-31.22	-29.15	-32.57	-37.70	-48.94	-64.95	-100.57
CRMS 0224	-127.21	-137.02	-126.86	-126.61	-130.58	-79.39	-42.39	-44.76	-30.32	-51.69	-64.34	-97.01
CRMS 0163	1.27	1.37	0.64	1.43	0.29	-0.02	-1.27	-3.53	0.59	-0.16	-0.80	0.45
CRMS 0162	1.01	1.65	2.63	1.54	0.78	1.10	0.24	0.29	3.03	0.07	-0.61	0.29

Figure WQ SO4 11 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.34	69.68	56.34	70.82	79.17	56.01	41.93	38.55	54.88	66.41	99.35	106.85
CRMS0276 - Just east of Wilkinson Canal	280.41	175.52	93.27	93.56	61.33	107.64	186.98	252.19	276.55	390.21	435.61	300.39
Barataria Waterway at Lafitte (USACE82875)	36.31	15.14	11.08	11.26	11.11	16.90	22.65	33.55	39.79	80.62	58.93	31.97
USGS2928590900040000 Barataria Waterway South of Lafitte	98.27	117.72	89.24	82.31	85.31	56.97	53.77	53.71	91.26	118.33	168.69	191.87
USGS7380251 Barataria Bay North of Grand Isle	23.80	29.43	28.38	49.38	61.44	44.05	30.76	22.99	18.78	24.33	44.03	35.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	118.28	145.26	89.91	114.03	117.29	88.08	83.38	124.54	90.87	120.55	215.81	171.84
USGS 07380335 - Little Lake Near Cutoff	215.80	216.33	131.78	141.45	136.19	112.60	141.81	221.16	158.96	222.19	325.72	273.20
USGS073802516 Barataria Pass at Grand Isle	157.20	197.94	123.09	166.12	171.61	155.64	155.84	215.56	126.70	181.30	240.82	225.85
HWQ14 - Lake Washington	38.10	51.87	43.88	80.39	97.76	73.62	50.08	48.36	37.53	44.68	69.26	58.72
HWQ16 - Bayou Grand Liard	492.54	381.83	297.85	305.08	236.94	277.88	407.13	464.70	425.36	532.04	591.36	487.98
CRMS 3985	15.91	16.23	15.49	29.93	41.42	36.19	24.97	17.87	16.54	17.65	21.34	19.62
CRMS 0258	137.49	128.75	77.56	61.90	55.40	37.38	50.19	71.42	158.36	234.88	297.32	223.47
CRMS 0224	162.04	196.56	119.68	107.05	104.69	76.47	91.79	122.38	165.16	196.27	283.84	269.71
CRMS 0163	35.52	13.93	10.83	11.25	11.08	18.22	25.21	36.49	39.65	72.16	55.43	25.47
CRMS 0162	27.19	15.42	12.10	14.29	12.73	21.02	18.46	24.18	63.80	68.55	55.10	19.15

V3PR4 HYST - cy 0 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.61	11.52	10.85	10.93	10.99	15.07	15.73	17.57	19.01	19.44	19.25	15.03
CRMS0276 - Just east of Wilkinson Canal	206.20	132.51	54.61	64.94	38.98	83.98	149.68	221.96	271.16	383.71	418.22	282.28
Barataria Waterway at Lafitte (USACE82875)	39.00	16.55	11.19	11.40	11.20	16.97	22.81	33.49	39.07	82.17	59.05	33.76
USGS2928590900040000 Barataria Waterway South of Lafitte	14.69	11.54	10.85	10.94	10.97	14.24	15.36	18.64	28.33	29.35	36.14	24.01
USGS7380251 Barataria Bay North of Grand Isle	14.44	11.89	10.74	10.67	10.81	10.70	10.26	13.38	14.17	17.42	34.78	21.65
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.92	13.09	11.05	11.06	11.05	17.59	31.69	87.53	79.91	89.07	177.80	66.01
USGS 07380335 - Little Lake Near Cutoff	57.47	20.44	12.58	12.34	11.60	28.88	76.90	178.73	152.27	189.41	287.34	129.23
USGS073802516 Barataria Pass at Grand Isle	51.85	31.60	15.67	16.25	16.59	55.39	96.06	188.34	129.33	159.24	223.16	124.51
HWQ14 - Lake Washington	19.72	14.37	11.06	11.54	13.53	14.83	16.85	36.77	43.63	41.18	70.21	40.47
HWQ16 - Bayou Grand Liard	396.50	202.38	107.72	110.65	75.61	215.21	376.41	444.25	418.44	520.08	574.74	407.25
CRMS 3985	14.31	12.37	10.58	10.11	10.45	9.68	8.71	9.05	11.46	13.93	20.10	17.99
CRMS 0258	24.60	14.05	11.09	12.15	11.58	13.41	16.60	29.91	118.48	184.12	213.10	113.73
CRMS 0224	30.08	18.27	11.71	12.77	11.84	16.01	33.15	70.78	132.60	150.87	209.91	119.83
CRMS 0163	37.06	14.68	10.87	11.37	11.12	18.06	24.98	36.45	38.77	73.41	54.86	26.53
CRMS 0162	29.05	16.47	12.36	15.23	13.27	22.17	18.60	23.41	61.52	65.99	53.00	19.65

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-39.73	-58.16	-45.49	-59.88	-68.19	-40.94	-26.20	-20.97	-35.87	-46.97	-80.10	-91.82
CRMS0276 - Just east of Wilkinson Canal	-74.21	-43.01	-38.66	-28.62	-22.35	-23.66	-37.30	-30.22	-5.39	-6.49	-17.39	-18.11
Barataria Waterway at Lafitte (USACE82875)	2.70	1.41	0.11	0.15	0.09	0.06	0.16	-0.06	-0.73	1.55	0.13	1.79
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.58	-106.18	-78.38	-71.37	-74.34	-42.73	-38.41	-35.07	-62.93	-88.98	-132.55	-167.86
USGS7380251 Barataria Bay North of Grand Isle	-9.36	-17.54	-17.63	-38.71	-50.63	-33.34	-20.51	-9.62	-4.60	-6.90	-9.25	-13.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	-93.36	-132.17	-78.87	-102.96	-106.24	-70.49	-51.69	-37.01	-10.96	-31.48	-38.01	-105.83
USGS 07380335 - Little Lake Near Cutoff	-158.33	-195.90	-119.20	-129.10	-124.59	-83.72	-64.91	-42.43	-6.68	-32.77	-38.39	-143.97
USGS073802516 Barataria Pass at Grand Isle	-105.36	-166.34	-107.42	-149.87	-155.02	-100.25	-59.78	-27.22	2.63	-22.06	-17.67	-101.35
HWQ14 - Lake Washington	-18.38	-37.50	-32.82	-68.85	-84.23	-58.79	-33.23	-11.60	6.11	-3.51	0.95	-18.26
HWQ16 - Bayou Grand Liard	-96.03	-179.45	-190.13	-194.43	-161.33	-62.68	-30.72	-20.45	-6.92	-11.95	-16.61	-80.73
CRMS 3985	-1.60	-3.85	-4.91	-19.82	-30.97	-26.52	-16.26	-8.82	-5.08	-3.72	-1.24	-1.64
CRMS 0258	-112.89	-114.69	-66.47	-49.75	-43.82	-23.97	-33.58	-41.51	-39.88	-50.75	-84.22	-109.74
CRMS 0224	-131.96	-178.29	-107.97	-94.28	-92.85	-60.46	-58.64	-51.60	-32.56	-45.40	-73.94	-149.88
CRMS 0163	1.53	0.75	0.04	0.12	0.04	-0.16	-0.23	-0.04	-0.88	1.25	-0.58	1.06
CRMS 0162	1.86	1.05	0.26	0.93	0.54	1.15	0.13	-0.77	-2.28	-2.56	-2.09	0.50

Figure WQ SO4 12 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.99	81.25	65.97	87.34	100.80	84.64	42.89	38.41	61.14	71.23	84.60	87.72
CRMS0276 - Just east of Wilkinson Canal	348.67	247.57	246.44	221.94	204.53	219.07	249.75	332.51	352.52	353.55	353.16	291.25
Barataria Waterway at Lafitte (USACE82875)	82.83	27.93	26.95	22.27	20.65	30.35	52.45	78.64	75.36	59.67	39.29	37.43
USGS2928590900040000 Barataria Waterway South of Lafitte	94.26	140.00	104.99	122.16	136.89	101.28	60.02	56.22	105.41	131.89	155.36	150.72
USGS7380251 Barataria Bay North of Grand Isle	23.35	33.63	24.82	41.43	49.18	37.34	21.18	19.40	19.11	23.32	39.55	30.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.67	169.95	92.21	133.12	126.92	103.98	66.93	144.73	111.21	116.95	191.40	146.57
USGS 07380335 - Little Lake Near Cutoff	239.22	255.76	159.52	192.68	177.27	151.18	145.77	278.89	199.83	216.03	287.90	241.11
USGS073802516 Barataria Pass at Grand Isle	168.28	228.37	134.28	202.97	216.25	205.71	154.04	261.69	157.74	173.92	213.91	201.45
HWQ14 - Lake Washington	36.76	58.43	35.00	71.08	81.68	72.21	32.46	42.83	41.55	41.79	62.60	50.71
HWQ16 - Bayou Grand Liard	550.52	448.04	423.11	425.39	376.01	383.28	494.80	565.78	494.12	507.08	534.03	475.51
CRMS 3985	16.74	18.12	15.85	21.79	27.11	25.84	17.83	16.52	16.90	17.22	19.85	18.35
CRMS 0258	163.52	162.02	152.00	132.50	124.33	121.12	87.21	86.01	192.45	263.46	215.73	171.22
CRMS 0224	165.08	236.36	150.73	169.59	173.07	134.62	93.97	145.16	200.19	213.47	255.69	223.34
CRMS 0163	72.29	25.66	26.05	25.95	22.31	32.23	63.01	85.60	70.34	54.18	36.66	32.89
CRMS 0162	59.75	25.13	24.27	33.19	24.15	29.90	23.84	51.02	153.08	30.17	35.13	21.60

V3PR4 HYST - cy 0 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.68	14.40	15.66	15.61	14.57	17.10	18.63	19.80	20.51	18.46	17.15	16.39
CRMS0276 - Just east of Wilkinson Canal	314.77	208.10	231.85	202.19	181.56	199.67	221.52	298.92	339.47	345.65	343.39	283.98
Barataria Waterway at Lafitte (USACE82875)	82.27	30.35	27.16	22.67	22.07	30.32	50.60	71.81	71.76	56.70	38.24	36.91
USGS2928590900040000 Barataria Waterway South of Lafitte	21.19	14.29	16.18	17.84	14.58	17.26	18.30	21.53	32.15	31.54	33.71	26.09
USGS7380251 Barataria Bay North of Grand Isle	17.15	14.77	15.00	16.82	17.79	16.19	14.96	17.14	15.60	19.44	30.40	21.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	75.68	30.44	42.77	53.33	26.53	46.37	53.31	116.63	88.39	96.29	153.50	86.54
USGS 07380335 - Little Lake Near Cutoff	175.21	66.33	86.38	94.64	46.28	80.82	123.69	246.14	175.14	196.18	250.31	173.27
USGS073802516 Barataria Pass at Grand Isle	125.97	90.38	93.86	117.46	95.44	138.64	141.18	242.39	144.41	163.19	194.50	154.58
HWQ14 - Lake Washington	28.22	24.46	25.64	37.50	43.68	43.09	31.92	47.93	44.42	45.63	61.17	39.05
HWQ16 - Bayou Grand Liard	524.00	350.15	374.72	351.64	273.62	333.99	474.66	547.01	475.94	499.42	520.94	450.86
CRMS 3985	15.75	14.70	12.95	13.97	17.04	14.99	12.75	12.01	14.24	15.58	19.32	17.17
CRMS 0258	79.31	32.87	43.20	49.00	37.92	44.08	28.32	39.37	144.07	211.34	162.20	110.91
CRMS 0224	92.25	53.88	56.68	64.15	54.79	52.78	55.10	98.02	153.79	170.49	189.41	138.25
CRMS 0163	71.87	27.77	26.38	26.05	23.35	31.61	59.84	78.63	65.95	51.55	37.07	32.35
CRMS 0162	65.26	26.85	26.53	33.55	25.07	30.44	23.97	58.55	163.08	31.16	35.87	21.74

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-37.30	-66.84	-50.32	-71.73	-86.22	-67.55	-24.26	-18.61	-40.63	-52.76	-67.45	-71.33
CRMS0276 - Just east of Wilkinson Canal	-33.90	-39.47	-14.59	-19.75	-22.97	-19.40	-28.23	-33.59	-13.05	-7.90	-9.77	-7.27
Barataria Waterway at Lafitte (USACE82875)	-0.56	2.43	0.21	0.41	1.41	-0.04	-1.85	-6.83	-3.60	-2.98	-1.05	-0.52
USGS2928590900040000 Barataria Waterway South of Lafitte	-73.07	-125.71	-88.80	-104.32	-122.31	-84.02	-41.72	-34.68	-73.27	-100.35	-121.65	-124.62
USGS7380251 Barataria Bay North of Grand Isle	-6.20	-18.86	-9.82	-24.62	-31.40	-21.15	-6.22	-2.26	-3.51	-3.88	-9.15	-8.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	-49.99	-139.51	-49.44	-79.79	-100.39	-57.60	-13.62	-28.10	-22.83	-20.66	-37.91	-60.03
USGS 07380335 - Little Lake Near Cutoff	-64.01	-189.43	-73.14	-98.04	-130.98	-70.36	-22.09	-32.74	-24.69	-19.85	-37.59	-67.84
USGS073802516 Barataria Pass at Grand Isle	-42.31	-137.99	-40.42	-85.50	-120.81	-67.07	-12.86	-19.30	-13.33	-10.73	-19.40	-46.87
HWQ14 - Lake Washington	-8.55	-33.97	-9.36	-33.58	-38.00	-29.12	-0.54	5.10	2.86	3.84	-1.43	-11.66
HWQ16 - Bayou Grand Liard	-26.51	-97.89	-48.39	-73.74	-102.39	-49.29	-20.14	-18.77	-18.19	-7.66	-13.09	-24.65
CRMS 3985	-0.99	-3.43	-2.90	-7.82	-10.07	-10.84	-5.08	-4.52	-2.66	-1.65	-0.53	-1.18
CRMS 0258	-84.22	-129.15	-108.80	-83.50	-86.41	-77.04	-58.88	-46.63	-48.38	-52.12	-53.53	-60.31
CRMS 0224	-72.84	-182.48	-94.05	-105.45	-118.28	-81.84	-38.87	-47.14	-46.39	-42.98	-66.27	-85.09
CRMS 0163	-0.42	2.11	0.33	0.10	1.03	-0.62	-3.17	-6.97	-4.39	-2.63	0.41	-0.54
CRMS 0162	5.51	1.72	2.26	0.36	0.92	0.54	0.13	7.53	10.00	0.99	0.73	0.14

Figure WQ SO4 13 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.50	71.69	58.42	82.35	94.62	72.22	31.72	24.45	39.72	54.51	89.85	110.15
CRMS0276 - Just east of Wilkinson Canal	316.53	141.12	124.21	120.39	118.93	81.01	115.92	164.83	188.84	291.05	409.09	371.44
Barataria Waterway at Lafitte (USACE82875)	29.61	12.95	12.99	12.11	13.93	12.30	13.62	17.54	23.16	44.33	62.78	54.06
USGS2928590900040000 Barataria Waterway South of Lafitte	107.75	119.34	90.14	101.13	108.87	79.76	47.02	33.83	58.39	91.96	149.13	183.37
USGS7380251 Barataria Bay North of Grand Isle	25.36	29.93	31.16	55.26	70.21	48.98	20.05	17.63	16.26	22.33	41.45	33.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	130.12	141.26	97.22	135.65	143.23	99.59	42.11	95.36	75.95	108.24	200.11	171.21
USGS 07380335 - Little Lake Near Cutoff	233.72	203.98	143.47	170.13	174.35	123.65	73.90	160.86	125.06	190.41	302.45	283.01
USGS073802516 Barataria Pass at Grand Isle	171.98	188.78	133.68	193.74	213.91	163.66	89.54	173.29	107.88	160.62	226.21	230.43
HWQ14 - Lake Washington	41.46	53.20	47.69	90.03	109.16	81.03	29.80	42.13	36.89	44.60	66.13	55.18
HWQ16 - Bayou Grand Liard	498.29	347.90	335.20	346.90	313.56	247.39	308.77	370.94	349.92	463.19	573.28	531.30
CRMS 3985	16.29	16.23	16.37	31.95	45.31	37.71	16.01	14.14	13.99	15.59	20.43	19.69
CRMS 0258	162.74	130.62	75.18	83.54	81.18	48.59	34.96	32.41	91.74	176.37	249.92	271.58
CRMS 0224	183.95	190.63	121.97	137.09	141.89	99.39	61.54	81.29	115.08	160.96	254.17	264.33
CRMS 0163	23.51	11.94	13.15	12.58	14.48	12.55	13.80	17.34	24.22	41.30	64.36	43.54
CRMS 0162	19.23	13.23	15.52	18.18	16.98	15.35	14.13	16.55	28.92	26.09	71.04	25.80

V3PR4 HYST - cy 0 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.70	10.97	12.39	11.76	12.06	12.45	13.17	14.76	16.69	17.77	19.79	17.60
CRMS0276 - Just east of Wilkinson Canal	192.69	99.87	79.51	89.18	88.81	41.24	33.96	80.62	183.18	290.43	400.65	362.97
Barataria Waterway at Lafitte (USACE82875)	31.39	13.45	13.28	12.47	14.56	12.34	13.64	17.33	23.22	46.16	65.60	55.94
USGS2928590900040000 Barataria Waterway South of Lafitte	12.82	10.98	12.39	11.66	12.10	12.40	13.12	14.58	19.63	26.25	33.38	27.66
USGS7380251 Barataria Bay North of Grand Isle	14.03	11.27	11.81	11.22	11.91	11.41	11.52	12.43	11.15	15.72	29.41	22.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	18.12	11.75	13.27	12.24	12.75	12.24	12.54	21.64	44.80	78.61	158.04	103.15
USGS 07380335 - Little Lake Near Cutoff	38.62	16.44	17.53	15.55	15.88	13.07	12.77	39.03	91.37	163.80	260.61	206.96
USGS073802516 Barataria Pass at Grand Isle	39.50	25.81	22.30	23.40	30.76	21.42	15.46	48.40	74.78	138.28	201.64	178.91
HWQ14 - Lake Washington	20.74	13.82	11.53	13.29	18.09	15.23	10.63	12.45	24.89	35.82	59.20	42.74
HWQ16 - Bayou Grand Liard	340.07	165.27	165.05	146.28	140.29	115.88	174.23	266.79	323.58	455.40	563.81	503.26
CRMS 3985	14.74	12.00	10.80	10.53	11.36	10.61	10.37	10.25	9.45	10.96	17.21	17.82
CRMS 0258	28.14	12.50	12.88	14.21	15.89	12.02	12.31	15.43	58.85	141.60	180.61	173.79
CRMS 0224	27.08	14.79	14.66	16.14	18.17	12.49	12.16	18.73	71.53	126.52	184.20	160.39
CRMS 0163	24.84	12.16	13.30	13.03	14.83	12.51	14.00	17.51	24.46	43.25	66.22	43.76
CRMS 0162	20.83	13.74	17.06	19.38	18.20	15.96	14.36	16.47	28.83	26.37	72.41	26.23

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-44.80	-60.71	-46.03	-70.59	-82.56	-59.77	-18.55	-9.69	-23.03	-36.75	-70.06	-92.55
CRMS0276 - Just east of Wilkinson Canal	-123.84	-41.25	-44.70	-31.21	-30.12	-39.77	-81.96	-84.20	-5.66	-0.62	-8.44	-8.47
Barataria Waterway at Lafitte (USACE82875)	1.79	0.50	0.28	0.36	0.63	0.03	0.02	-0.21	0.06	1.82	2.82	1.88
USGS2928590900040000 Barataria Waterway South of Lafitte	-94.93	-108.36	-77.75	-89.47	-96.77	-67.35	-33.89	-19.24	-38.76	-65.71	-115.74	-155.70
USGS7380251 Barataria Bay North of Grand Isle	-11.34	-18.66	-19.35	-44.04	-58.30	-37.57	-8.52	-5.20	-5.12	-6.61	-12.04	-10.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	-112.00	-129.51	-83.95	-123.41	-130.49	-87.34	-29.56	-73.72	-31.15	-29.64	-42.07	-68.06
USGS 07380335 - Little Lake Near Cutoff	-195.10	-187.54	-125.94	-154.58	-158.47	-110.58	-61.13	-121.83	-33.69	-26.61	-41.84	-76.06
USGS073802516 Barataria Pass at Grand Isle	-132.47	-162.97	-111.38	-170.34	-183.14	-142.24	-74.08	-124.89	-33.09	-22.34	-24.57	-51.52
HWQ14 - Lake Washington	-20.72	-39.38	-36.16	-76.74	-91.07	-65.80	-19.18	-29.68	-12.00	-8.78	-6.93	-12.43
HWQ16 - Bayou Grand Liard	-158.22	-182.64	-170.15	-200.62	-173.27	-131.51	-134.54	-104.16	-26.34	-7.79	-9.47	-28.04
CRMS 3985	-1.55	-4.23	-5.57	-21.42	-33.94	-27.11	-5.64	-3.89	-4.54	-4.63	-3.22	-1.86
CRMS 0258	-134.60	-118.12	-62.30	-69.33	-65.29	-36.56	-22.65	-16.97	-32.89	-34.77	-69.31	-97.79
CRMS 0224	-156.87	-175.83	-107.31	-120.94	-123.71	-86.90	-49.39	-62.56	-43.55	-34.44	-69.97	-103.94
CRMS 0163	1.32	0.22	0.15	0.44	0.35	-0.04	0.20	0.17	0.24	1.95	1.86	0.22
CRMS 0162	1.60	0.51	1.54	1.21	1.22	0.61	0.23	-0.08	-0.09	0.29	1.37	0.43

Figure WQ SO4 14 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.00	86.19	63.44	85.02	90.13	61.66	37.63	32.15	46.49	53.29	91.89	101.81
CRMS0276 - Just east of Wilkinson Canal	256.32	346.87	206.73	105.96	63.12	42.05	99.11	179.57	209.60	329.11	438.12	232.20
Barataria Waterway at Lafitte (USACE82875)	45.91	55.50	20.19	11.76	11.70	11.39	12.72	19.84	27.04	60.55	65.68	23.20
USGS2928590900040000 Barataria Waterway South of Lafitte	96.15	142.51	115.59	104.53	98.14	59.99	49.18	45.34	71.39	92.79	154.15	179.43
USGS7380251 Barataria Bay North of Grand Isle	22.67	32.54	26.44	53.07	68.20	48.08	29.97	24.58	18.51	21.76	43.47	33.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	112.66	170.37	94.00	127.07	129.74	91.78	67.89	110.85	75.24	100.11	211.39	168.00
USGS 07380335 - Little Lake Near Cutoff	206.02	270.39	158.89	158.26	148.56	105.35	101.12	179.02	128.60	186.71	320.76	261.91
USGS073802516 Barataria Pass at Grand Isle	147.62	238.81	132.63	180.77	185.52	140.02	119.22	189.69	105.45	153.55	238.36	218.18
HWQ14 - Lake Washington	35.91	54.27	36.95	86.09	105.91	81.00	50.14	53.91	35.47	37.90	69.44	58.63
HWQ16 - Bayou Grand Liard	480.00	516.79	383.68	325.98	243.71	196.91	306.36	385.63	362.67	490.17	594.39	440.84
CRMS 3985	15.33	18.33	16.08	29.76	44.47	39.24	26.21	20.21	16.47	16.61	21.20	18.87
CRMS 0258	146.38	224.14	140.45	80.53	65.06	32.27	30.42	40.31	116.88	183.91	262.55	195.52
CRMS 0224	151.23	238.86	166.01	128.08	118.00	74.22	70.28	98.45	128.67	156.69	269.24	257.73
CRMS 0163	48.30	55.14	15.94	11.95	11.67	11.37	13.45	20.16	28.06	57.99	60.07	15.92
CRMS 0162	65.62	70.85	14.88	16.23	12.85	12.61	13.65	18.04	34.27	38.82	60.89	14.03

V3PR4 HYST - cy 0 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.34	18.39	11.95	11.35	11.57	11.49	13.04	15.66	17.42	18.82	19.49	11.99
CRMS0276 - Just east of Wilkinson Canal	197.25	327.37	164.46	76.54	41.65	23.78	28.58	121.67	207.31	324.22	422.58	196.82
Barataria Waterway at Lafitte (USACE82875)	44.48	55.95	21.27	11.97	11.82	11.43	12.65	19.32	26.72	61.44	65.92	24.75
USGS2928590900040000 Barataria Waterway South of Lafitte	15.57	26.32	12.33	11.37	11.56	11.46	12.99	15.77	23.38	27.29	33.03	12.04
USGS7380251 Barataria Bay North of Grand Isle	13.51	20.74	13.18	11.30	11.48	10.93	11.16	11.97	12.23	15.18	31.17	15.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	45.84	105.10	18.85	11.91	11.70	11.31	12.23	38.83	60.91	74.58	163.30	18.09
USGS 07380335 - Little Lake Near Cutoff	110.35	193.87	31.01	14.46	12.48	11.60	12.42	85.18	115.82	160.02	271.77	33.17
USGS073802516 Barataria Pass at Grand Isle	77.72	181.04	42.71	22.70	18.81	15.62	13.60	95.08	99.30	134.49	210.17	56.28
HWQ14 - Lake Washington	18.24	36.12	18.43	15.04	15.46	12.84	9.74	16.37	34.01	34.47	63.75	30.12
HWQ16 - Bayou Grand Liard	421.02	481.77	212.41	133.09	80.29	80.25	164.20	335.55	354.51	474.06	575.99	264.99
CRMS 3985	14.01	16.13	13.67	11.21	11.25	10.62	9.98	9.25	9.71	11.96	18.40	16.79
CRMS 0258	22.09	113.96	34.14	13.06	12.47	11.10	11.99	18.85	82.37	151.29	187.78	40.33
CRMS 0224	40.49	144.51	35.34	14.38	13.00	11.24	11.77	32.26	95.70	127.12	193.96	41.30
CRMS 0163	47.16	54.67	16.34	12.21	11.70	11.38	13.48	20.35	28.18	59.26	60.55	16.98
CRMS 0162	67.61	72.90	15.25	17.36	13.15	13.03	13.84	17.84	31.10	40.22	64.25	14.29

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-40.66	-67.80	-51.49	-73.67	-78.55	-50.17	-24.59	-16.49	-29.07	-34.47	-72.40	-89.82
CRMS0276 - Just east of Wilkinson Canal	-59.07	-19.50	-42.27	-29.42	-21.47	-18.27	-70.53	-57.90	-2.29	-4.90	-15.54	-35.38
Barataria Waterway at Lafitte (USACE82875)	-1.43	0.45	1.08	0.21	0.12	0.04	-0.07	-0.53	-0.32	0.89	0.24	1.55
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.59	-116.20	-103.27	-93.16	-86.58	-48.53	-36.19	-29.57	-48.02	-65.49	-121.12	-167.39
USGS7380251 Barataria Bay North of Grand Isle	-9.15	-11.80	-13.26	-41.77	-56.72	-37.15	-18.81	-12.61	-6.28	-6.58	-12.30	-18.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	-66.82	-65.26	-75.15	-115.16	-118.04	-80.47	-55.67	-72.02	-14.33	-25.53	-48.09	-149.90
USGS 07380335 - Little Lake Near Cutoff	-95.67	-76.52	-127.88	-143.80	-136.08	-93.75	-88.70	-93.84	-12.78	-26.69	-48.99	-228.73
USGS073802516 Barataria Pass at Grand Isle	-69.90	-57.77	-89.92	-158.07	-166.71	-124.40	-105.62	-94.61	-6.16	-19.07	-28.19	-161.90
HWQ14 - Lake Washington	-17.67	-18.15	-18.52	-71.05	-90.45	-68.16	-40.41	-37.54	-1.46	-3.43	-5.69	-28.52
HWQ16 - Bayou Grand Liard	-58.99	-35.02	-171.27	-192.90	-163.41	-116.66	-142.16	-50.08	-8.16	-16.10	-18.40	-175.84
CRMS 3985	-1.32	-2.20	-2.40	-18.55	-33.22	-28.61	-16.23	-10.96	-6.76	-4.66	-2.81	-2.08
CRMS 0258	-124.29	-110.18	-106.30	-67.47	-52.59	-21.18	-18.43	-21.46	-34.51	-32.62	-74.77	-155.19
CRMS 0224	-110.74	-94.35	-130.67	-113.70	-105.00	-62.98	-58.51	-66.19	-32.97	-29.57	-75.28	-216.43
CRMS 0163	-1.14	-0.47	0.40	0.26	0.04	0.01	0.03	0.19	0.12	1.27	0.48	1.06
CRMS 0162	1.99	2.05	0.37	1.13	0.30	0.41	0.18	-0.20	-3.17	1.40	3.36	0.26

Figure WQ SO4 15 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.65	80.40	58.87	78.29	100.91	68.37	31.62	33.79	55.92	71.80	89.85	107.88
CRMS0276 - Just east of Wilkinson Canal	330.27	305.24	206.21	174.98	97.18	105.46	154.62	281.91	296.82	320.72	356.83	338.55
Barataria Waterway at Lafitte (USACE82875)	42.39	39.27	18.35	15.83	11.91	14.43	28.79	54.72	48.97	43.91	40.00	51.38
USGS2928590900040000 Barataria Waterway South of Lafitte	103.32	137.83	101.88	107.31	118.35	74.00	44.15	46.76	92.64	128.92	155.00	172.96
USGS7380251 Barataria Bay North of Grand Isle	24.59	31.33	25.29	42.04	67.45	45.06	20.01	18.08	18.87	24.03	40.43	31.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	126.21	160.11	94.74	126.56	142.10	94.01	46.01	126.34	104.20	118.91	189.45	159.57
USGS 07380335 - Little Lake Near Cutoff	232.18	251.65	158.29	175.74	170.40	119.87	93.48	247.26	178.11	212.82	284.70	262.03
USGS073802516 Barataria Pass at Grand Isle	166.18	223.34	135.48	191.21	207.81	160.63	106.47	233.77	146.37	172.50	214.53	217.51
HWQ14 - Lake Washington	39.11	52.28	37.26	71.82	106.84	75.64	29.35	38.78	42.44	45.62	63.39	53.30
HWQ16 - Bayou Grand Liard	514.90	481.75	395.57	385.82	288.33	267.63	392.83	519.52	450.46	484.58	539.42	512.85
CRMS 3985	16.34	17.89	15.43	23.01	39.92	34.57	17.15	15.94	16.08	16.88	19.99	19.12
CRMS 0258	163.76	178.70	104.01	103.15	85.72	44.38	42.85	64.79	165.27	234.73	247.68	273.39
CRMS 0224	176.86	227.47	149.59	153.20	144.90	93.38	62.83	125.27	171.98	208.98	250.83	244.86
CRMS 0163	36.13	37.94	18.02	16.21	11.74	14.73	40.69	57.61	48.46	38.45	40.05	46.32
CRMS 0162	53.63	59.87	22.60	22.85	14.21	18.27	20.83	25.26	98.49	24.26	39.04	25.55

V3PR5 HYST - cy 0 - 1970 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.83	16.26	14.06	12.77	11.28	13.89	17.06	18.76	19.81	17.48	17.79	18.01
CRMS0276 - Just east of Wilkinson Canal	231.05	279.67	158.50	146.76	65.79	60.04	106.43	252.24	289.43	315.04	343.38	326.89
Barataria Waterway at Lafitte (USACE82875)	43.81	40.81	19.84	17.08	12.29	14.57	27.60	52.86	49.01	44.39	40.09	52.09
USGS2928590900040000 Barataria Waterway South of Lafitte	15.49	19.49	14.05	12.84	11.27	13.75	15.99	20.72	32.10	33.19	35.58	29.67
USGS7380251 Barataria Bay North of Grand Isle	15.50	18.83	13.77	12.85	11.44	12.17	11.23	14.31	14.70	18.01	30.93	22.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	42.32	64.53	16.85	15.06	11.71	13.48	21.98	101.01	84.28	89.83	154.04	95.65
USGS 07380335 - Little Lake Near Cutoff	97.98	119.66	26.25	23.31	13.32	15.08	52.88	214.55	161.59	181.20	250.61	191.73
USGS073802516 Barataria Pass at Grand Isle	77.27	125.19	38.97	37.06	24.34	27.05	67.35	215.86	136.16	153.34	196.40	167.81
HWQ14 - Lake Washington	25.62	31.91	17.26	19.30	18.40	15.82	14.10	36.83	43.82	43.09	63.14	40.66
HWQ16 - Bayou Grand Liard	420.98	402.99	249.87	209.12	106.84	150.07	352.71	505.74	442.73	472.28	522.32	485.28
CRMS 3985	15.08	15.67	13.21	12.41	11.61	11.12	9.89	9.80	12.29	14.17	19.09	17.73
CRMS 0258	45.54	59.57	17.45	20.47	13.19	13.46	13.69	32.49	127.07	186.05	183.78	171.47
CRMS 0224	50.35	91.01	22.56	26.82	14.71	14.13	20.46	81.52	140.98	158.73	187.36	150.18
CRMS 0163	37.18	39.36	18.81	17.39	11.96	14.71	39.76	55.52	48.55	38.35	39.93	46.38
CRMS 0162	54.57	61.56	23.61	25.27	14.75	19.78	20.94	25.54	98.41	24.88	38.55	26.14

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-41.83	-64.15	-44.80	-65.51	-89.63	-54.49	-14.57	-15.03	-36.11	-54.32	-72.07	-89.87
CRMS0276 - Just east of Wilkinson Canal	-99.21	-25.57	-47.71	-28.22	-31.38	-45.42	-48.19	-29.67	-7.39	-5.68	-13.44	-11.66
Barataria Waterway at Lafitte (USACE82875)	1.41	1.54	1.48	1.25	0.38	0.13	-1.19	-1.87	0.04	0.48	0.10	0.71
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.84	-118.34	-87.82	-94.47	-107.08	-60.24	-28.15	-26.04	-60.54	-95.73	-119.41	-143.29
USGS7380251 Barataria Bay North of Grand Isle	-9.09	-12.50	-11.52	-29.19	-56.01	-32.89	-8.79	-3.78	-4.17	-6.02	-9.50	-9.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	-83.89	-95.58	-77.90	-111.50	-130.38	-80.53	-24.03	-25.33	-19.92	-29.08	-35.42	-63.93
USGS 07380335 - Little Lake Near Cutoff	-134.21	-132.00	-132.04	-152.43	-157.08	-104.79	-40.60	-32.71	-16.51	-31.62	-34.09	-70.30
USGS073802516 Barataria Pass at Grand Isle	-88.91	-98.15	-96.51	-154.15	-183.47	-133.58	-39.11	-17.91	-10.21	-19.16	-18.13	-49.69
HWQ14 - Lake Washington	-13.49	-20.36	-20.00	-52.52	-88.44	-59.82	-15.25	-1.96	1.38	-2.53	-0.25	-12.63
HWQ16 - Bayou Grand Liard	-93.93	-78.76	-145.71	-176.70	-181.50	-117.56	-40.12	-13.78	-7.73	-12.30	-17.11	-27.57
CRMS 3985	-1.26	-2.22	-2.22	-10.60	-28.32	-23.46	-7.26	-6.15	-3.79	-2.70	-0.90	-1.38
CRMS 0258	-118.22	-119.14	-86.56	-82.68	-72.53	-30.92	-29.16	-32.31	-38.20	-48.69	-63.91	-101.92
CRMS 0224	-126.52	-136.46	-127.03	-126.38	-130.19	-79.24	-42.37	-43.75	-31.00	-50.25	-63.47	-94.68
CRMS 0163	1.05	1.42	0.79	1.17	0.22	-0.02	-0.93	-2.08	0.09	-0.10	-0.12	0.06
CRMS 0162	0.93	1.69	1.00	2.42	0.54	1.50	0.11	0.28	-0.08	0.62	-0.48	0.58

Figure WQ SO4 16 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.34	69.68	56.34	70.82	79.17	56.01	41.93	38.55	54.88	66.41	99.35	106.85
CRMS0276 - Just east of Wilkinson Canal	280.41	175.52	93.27	93.56	61.33	107.64	186.98	252.19	276.55	390.21	435.61	300.39
Barataria Waterway at Lafitte (USACE82875)	36.31	15.14	11.08	11.26	11.11	16.90	22.65	33.55	39.79	80.62	58.93	31.97
USGS2928590900040000 Barataria Waterway South of Lafitte	98.27	117.72	89.24	82.31	85.31	56.97	53.77	53.71	91.26	118.33	168.69	191.87
USGS7380251 Barataria Bay North of Grand Isle	23.80	29.43	28.38	49.38	61.44	44.05	30.76	22.99	18.78	24.33	44.03	35.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	118.28	145.26	89.91	114.03	117.29	88.08	83.38	124.54	90.87	120.55	215.81	171.84
USGS 07380335 - Little Lake Near Cutoff	215.80	216.33	131.78	141.45	136.19	112.60	141.81	221.16	158.96	222.19	325.72	273.20
USGS073802516 Barataria Pass at Grand Isle	157.20	197.94	123.09	166.12	171.61	155.64	155.84	215.56	126.70	181.30	240.82	225.85
HWQ14 - Lake Washington	38.10	51.87	43.88	80.39	97.76	73.62	50.08	48.36	37.53	44.68	69.26	58.72
HWQ16 - Bayou Grand Liard	492.54	381.83	297.85	305.08	236.94	277.88	407.13	464.70	425.36	532.04	591.36	487.98
CRMS 3985	15.91	16.23	15.49	29.93	41.42	36.19	24.97	17.87	16.54	17.65	21.34	19.62
CRMS 0258	137.49	128.75	77.56	61.90	55.40	37.38	50.19	71.42	158.36	234.88	297.32	223.47
CRMS 0224	162.04	196.56	119.68	107.05	104.69	76.47	91.79	122.38	165.16	196.27	283.84	269.71
CRMS 0163	35.52	13.93	10.83	11.25	11.08	18.22	25.21	36.49	39.65	72.16	55.43	25.47
CRMS 0162	27.19	15.42	12.10	14.29	12.73	21.02	18.46	24.18	63.80	68.55	55.10	19.15

V3PR5 HYST - cy 0 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.61	11.52	10.85	10.93	10.99	15.06	15.74	17.57	19.04	19.52	19.19	15.04
CRMS0276 - Just east of Wilkinson Canal	208.63	133.39	55.37	65.42	40.44	82.82	149.00	223.46	271.47	382.74	418.47	284.98
Barataria Waterway at Lafitte (USACE82875)	39.49	16.59	11.20	11.42	11.19	16.81	22.77	33.68	39.10	81.46	58.80	33.61
USGS2928590900040000 Barataria Waterway South of Lafitte	14.72	11.55	10.86	10.94	10.96	14.12	15.27	18.71	30.50	32.69	38.50	25.39
USGS7380251 Barataria Bay North of Grand Isle	14.35	11.87	10.74	10.68	10.81	10.68	10.25	13.29	14.11	17.38	33.85	21.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.18	13.09	11.05	11.09	11.05	17.14	31.44	89.02	79.29	89.07	174.22	66.37
USGS 07380335 - Little Lake Near Cutoff	58.61	20.44	12.60	12.44	11.63	27.56	76.46	183.81	151.15	189.32	284.12	129.50
USGS073802516 Barataria Pass at Grand Isle	52.08	31.46	15.66	16.19	16.59	53.10	95.33	191.37	128.09	156.82	219.04	125.21
HWQ14 - Lake Washington	19.40	14.26	10.97	11.45	13.49	14.71	16.52	36.77	42.62	40.66	68.16	39.92
HWQ16 - Bayou Grand Liard	401.97	202.12	108.87	110.38	78.17	205.36	378.68	450.82	414.34	517.58	573.82	408.13
CRMS 3985	14.20	12.33	10.57	10.12	10.46	9.65	8.69	9.03	11.45	13.90	19.79	17.88
CRMS 0258	24.91	14.24	11.07	12.21	11.64	13.31	16.41	30.17	118.88	188.68	214.61	114.51
CRMS 0224	30.48	18.56	11.79	13.07	11.91	15.80	32.46	72.51	132.78	154.36	208.70	120.28
CRMS 0163	37.56	14.68	10.87	11.39	11.14	17.90	25.20	36.49	38.74	72.88	54.92	26.49
CRMS 0162	29.16	16.47	12.10	15.38	13.21	22.01	18.54	23.02	61.70	73.62	51.66	19.34

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-39.73	-58.16	-45.49	-59.88	-68.19	-40.95	-26.19	-20.98	-35.84	-46.89	-80.17	-91.81
CRMS0276 - Just east of Wilkinson Canal	-71.78	-42.13	-37.90	-28.14	-20.89	-24.82	-37.98	-28.72	-5.07	-7.47	-17.14	-15.41
Barataria Waterway at Lafitte (USACE82875)	3.19	1.45	0.12	0.16	0.08	-0.09	0.12	0.13	-0.69	0.84	-0.13	1.63
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.55	-106.17	-78.38	-71.37	-74.35	-42.85	-38.50	-35.00	-60.76	-85.64	-130.19	-166.49
USGS7380251 Barataria Bay North of Grand Isle	-9.45	-17.56	-17.63	-38.70	-50.63	-33.37	-20.52	-9.71	-4.67	-6.94	-10.19	-14.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	-93.10	-132.17	-78.86	-102.94	-106.24	-70.94	-51.94	-35.52	-11.58	-31.48	-41.59	-105.47
USGS 07380335 - Little Lake Near Cutoff	-157.19	-195.89	-119.17	-129.01	-124.57	-85.04	-65.35	-37.35	-7.81	-32.87	-41.60	-143.70
USGS073802516 Barataria Pass at Grand Isle	-105.12	-166.48	-107.43	-149.93	-155.03	-102.54	-60.50	-24.19	1.40	-24.47	-21.78	-100.65
HWQ14 - Lake Washington	-18.70	-37.61	-32.90	-68.93	-84.27	-58.92	-33.56	-11.59	5.09	-4.03	-1.09	-18.80
HWQ16 - Bayou Grand Liard	-90.57	-179.72	-188.98	-194.70	-158.78	-72.53	-28.45	-13.88	-11.01	-14.46	-17.54	-79.86
CRMS 3985	-1.71	-3.90	-4.91	-19.81	-30.96	-26.54	-16.28	-8.84	-5.10	-3.75	-1.56	-1.74
CRMS 0258	-112.58	-114.51	-66.49	-49.69	-43.76	-24.07	-33.78	-41.25	-39.49	-46.19	-82.71	-108.96
CRMS 0224	-131.56	-178.00	-107.89	-93.98	-92.78	-60.68	-59.33	-49.87	-32.38	-41.91	-75.15	-149.43
CRMS 0163	2.03	0.75	0.04	0.13	0.06	-0.32	-0.02	0.00	-0.91	0.72	-0.51	1.02
CRMS 0162	1.97	1.05	-0.01	1.09	0.48	0.99	0.08	-1.16	-2.10	5.08	-3.44	0.19

Figure WQ SO4 17 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.99	81.25	65.97	87.34	100.80	84.64	42.89	38.41	61.14	71.23	84.60	87.72
CRMS0276 - Just east of Wilkinson Canal	348.67	247.57	246.44	221.94	204.53	219.07	249.75	332.51	352.52	353.55	353.16	291.25
Barataria Waterway at Lafitte (USACE82875)	82.83	27.93	26.95	22.27	20.65	30.35	52.45	78.64	75.36	59.67	39.29	37.43
USGS2928590900040000 Barataria Waterway South of Lafitte	94.26	140.00	104.99	122.16	136.89	101.28	60.02	56.22	105.41	131.89	155.36	150.72
USGS7380251 Barataria Bay North of Grand Isle	23.35	33.63	24.82	41.43	49.18	37.34	21.18	19.40	19.11	23.32	39.55	30.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.67	169.95	92.21	133.12	126.92	103.98	66.93	144.73	111.21	116.95	191.40	146.57
USGS 07380335 - Little Lake Near Cutoff	239.22	255.76	159.52	192.68	177.27	151.18	145.77	278.89	199.83	216.03	287.90	241.11
USGS073802516 Barataria Pass at Grand Isle	168.28	228.37	134.28	202.97	216.25	205.71	154.04	261.69	157.74	173.92	213.91	201.45
HWQ14 - Lake Washington	36.76	58.43	35.00	71.08	81.68	72.21	32.46	42.83	41.55	41.79	62.60	50.71
HWQ16 - Bayou Grand Liard	550.52	448.04	423.11	425.39	376.01	383.28	494.80	565.78	494.12	507.08	534.03	475.51
CRMS 3985	16.74	18.12	15.85	21.79	27.11	25.84	17.83	16.52	16.90	17.22	19.85	18.35
CRMS 0258	163.52	162.02	152.00	132.50	124.33	121.12	87.21	86.01	192.45	263.46	215.73	171.22
CRMS 0224	165.08	236.36	150.73	169.59	173.07	134.62	93.97	145.16	200.19	213.47	255.69	223.34
CRMS 0163	72.29	25.66	26.05	25.95	22.31	32.23	63.01	85.60	70.34	54.18	36.66	32.89
CRMS 0162	59.75	25.13	24.27	33.19	24.15	29.90	23.84	51.02	153.08	30.17	35.13	21.60

V3PR5 HYST - cy 0 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.73	14.40	15.66	15.64	14.57	17.11	18.63	19.80	20.61	18.58	17.29	16.45
CRMS0276 - Just east of Wilkinson Canal	319.37	207.99	232.56	199.72	179.84	198.91	220.51	293.67	336.70	352.05	348.49	285.92
Barataria Waterway at Lafitte (USACE82875)	84.92	30.63	27.41	22.42	22.40	30.21	48.97	73.04	71.43	59.13	39.29	37.63
USGS2928590900040000 Barataria Waterway South of Lafitte	22.11	14.28	16.22	17.92	14.73	17.66	18.22	21.68	34.78	35.26	37.04	28.48
USGS7380251 Barataria Bay North of Grand Isle	17.47	14.79	14.91	17.05	17.67	16.01	14.80	17.96	16.59	19.93	32.60	21.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	77.87	30.87	41.63	54.49	26.08	45.73	53.18	119.40	93.66	96.94	160.06	89.77
USGS 07380335 - Little Lake Near Cutoff	179.05	66.93	86.36	95.76	44.83	80.15	125.02	242.67	182.03	198.38	258.49	177.61
USGS073802516 Barataria Pass at Grand Isle	129.20	92.09	92.98	116.59	92.87	139.38	143.30	245.88	151.80	166.61	204.08	158.61
HWQ14 - Lake Washington	28.82	24.49	25.77	38.67	41.99	42.94	32.11	50.70	48.01	47.29	66.82	40.34
HWQ16 - Bayou Grand Liard	525.20	349.97	378.96	347.87	269.15	340.11	476.97	531.97	477.06	505.52	527.58	454.47
CRMS 3985	15.89	14.75	12.95	14.06	16.73	14.89	12.68	12.31	14.45	15.86	20.35	17.56
CRMS 0258	82.63	33.62	42.90	49.02	38.71	45.41	28.44	39.64	142.70	216.50	166.95	114.51
CRMS 0224	95.50	54.84	55.90	63.77	54.48	53.43	54.84	97.46	158.93	172.11	195.36	143.29
CRMS 0163	73.86	28.05	26.62	25.75	23.51	30.89	58.10	79.96	66.84	52.33	38.24	33.42
CRMS 0162	63.41	27.00	25.52	32.25	25.41	30.35	23.97	52.21	150.40	30.07	35.41	21.53

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-37.26	-66.84	-50.32	-71.70	-86.22	-67.53	-24.26	-18.61	-40.53	-52.65	-67.30	-71.27
CRMS0276 - Just east of Wilkinson Canal	-29.30	-39.58	-13.88	-22.23	-24.69	-20.16	-29.24	-38.83	-15.82	-1.50	-4.67	-5.33
Barataria Waterway at Lafitte (USACE82875)	2.10	2.71	0.46	0.16	1.75	-0.14	-3.48	-5.61	-3.92	-0.54	0.00	0.19
USGS2928590900040000 Barataria Waterway South of Lafitte	-72.15	-125.72	-88.77	-104.24	-122.16	-83.62	-41.81	-34.54	-70.63	-96.64	-118.33	-122.24
USGS7380251 Barataria Bay North of Grand Isle	-5.88	-18.84	-9.91	-24.38	-31.51	-21.32	-6.39	-1.44	-2.51	-3.39	-6.95	-8.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	-47.80	-139.08	-50.58	-78.63	-100.84	-58.25	-13.75	-25.33	-17.56	-20.01	-31.34	-56.80
USGS 07380335 - Little Lake Near Cutoff	-60.17	-188.83	-73.16	-96.91	-132.44	-71.03	-20.76	-36.21	-17.80	-17.65	-29.41	-63.50
USGS073802516 Barataria Pass at Grand Isle	-39.08	-136.28	-41.31	-86.38	-123.38	-66.33	-10.74	-15.81	-5.93	-7.31	-9.82	-42.83
HWQ14 - Lake Washington	-7.94	-33.94	-9.23	-32.41	-39.69	-29.26	-0.35	7.87	6.46	5.49	4.22	-10.37
HWQ16 - Bayou Grand Liard	-25.32	-98.07	-44.15	-77.51	-106.86	-43.17	-17.84	-33.81	-17.06	-1.56	-6.46	-21.04
CRMS 3985	-0.85	-3.37	-2.89	-7.73	-10.37	-10.95	-5.15	-4.21	-2.44	-1.36	0.50	-0.79
CRMS 0258	-80.89	-128.40	-109.10	-83.48	-85.62	-75.71	-58.77	-46.37	-49.75	-46.95	-48.79	-56.71
CRMS 0224	-69.59	-181.52	-94.83	-105.82	-118.59	-81.18	-39.13	-47.70	-41.26	-41.36	-60.33	-80.05
CRMS 0163	1.57	2.38	0.57	-0.19	1.20	-1.34	-4.90	-5.64	-3.50	-1.84	1.58	0.53
CRMS 0162	3.67	1.88	1.25	-0.94	1.25	0.46	0.13	1.19	-2.67	-0.10	0.28	-0.07

Figure WQ SO4 18 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.50	71.69	58.42	82.35	94.62	72.22	31.72	24.45	39.72	54.51	89.85	110.15
CRMS0276 - Just east of Wilkinson Canal	316.53	141.12	124.21	120.39	118.93	81.01	115.92	164.83	188.84	291.05	409.09	371.44
Barataria Waterway at Lafitte (USACE82875)	29.61	12.95	12.99	12.11	13.93	12.30	13.62	17.54	23.16	44.33	62.78	54.06
USGS2928590900040000 Barataria Waterway South of Lafitte	107.75	119.34	90.14	101.13	108.87	79.76	47.02	33.83	58.39	91.96	149.13	183.37
USGS7380251 Barataria Bay North of Grand Isle	25.36	29.93	31.16	55.26	70.21	48.98	20.05	17.63	16.26	22.33	41.45	33.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	130.12	141.26	97.22	135.65	143.23	99.59	42.11	95.36	75.95	108.24	200.11	171.21
USGS 07380335 - Little Lake Near Cutoff	233.72	203.98	143.47	170.13	174.35	123.65	73.90	160.86	125.06	190.41	302.45	283.01
USGS073802516 Barataria Pass at Grand Isle	171.98	188.78	133.68	193.74	213.91	163.66	89.54	173.29	107.88	160.62	226.21	230.43
HWQ14 - Lake Washington	41.46	53.20	47.69	90.03	109.16	81.03	29.80	42.13	36.89	44.60	66.13	55.18
HWQ16 - Bayou Grand Liard	498.29	347.90	335.20	346.90	313.56	247.39	308.77	370.94	349.92	463.19	573.28	531.30
CRMS 3985	16.29	16.23	16.37	31.95	45.31	37.71	16.01	14.14	13.99	15.59	20.43	19.69
CRMS 0258	162.74	130.62	75.18	83.54	81.18	48.59	34.96	32.41	91.74	176.37	249.92	271.58
CRMS 0224	183.95	190.63	121.97	137.09	141.89	99.39	61.54	81.29	115.08	160.96	254.17	264.33
CRMS 0163	23.51	11.94	13.15	12.58	14.48	12.55	13.80	17.34	24.22	41.30	64.36	43.54
CRMS 0162	19.23	13.23	15.52	18.18	16.98	15.35	14.13	16.55	28.92	26.09	71.04	25.80

V3PR5 HYST - cy 0 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.70	10.97	12.39	11.76	12.06	12.45	13.17	14.76	16.71	17.72	19.83	17.58
CRMS0276 - Just east of Wilkinson Canal	193.94	100.01	79.11	87.20	89.34	42.03	35.35	81.20	186.21	292.70	400.49	366.34
Barataria Waterway at Lafitte (USACE82875)	31.44	13.44	13.27	12.42	14.50	12.35	13.65	17.43	23.66	46.75	64.79	55.36
USGS2928590900040000 Barataria Waterway South of Lafitte	12.88	10.98	12.39	11.64	12.12	12.38	13.10	14.56	20.47	28.17	35.77	29.57
USGS7380251 Barataria Bay North of Grand Isle	14.00	11.25	11.82	11.23	11.90	11.41	11.56	12.45	11.26	15.51	29.62	22.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.90	11.74	13.05	12.23	12.67	12.25	12.55	21.71	47.37	77.71	157.52	103.13
USGS 07380335 - Little Lake Near Cutoff	38.10	16.44	16.88	15.46	15.72	13.11	12.79	39.78	95.14	162.12	259.48	208.22
USGS073802516 Barataria Pass at Grand Isle	38.93	25.62	21.96	23.44	30.23	21.60	15.54	48.25	79.02	137.61	200.36	180.60
HWQ14 - Lake Washington	20.62	13.72	11.49	13.12	17.82	15.17	10.63	12.43	25.57	35.43	59.74	42.34
HWQ16 - Bayou Grand Liard	340.26	165.03	166.77	144.04	137.19	117.56	179.48	270.05	335.83	454.36	559.83	506.75
CRMS 3985	14.74	11.97	10.81	10.54	11.34	10.61	10.41	10.30	9.51	11.06	17.33	17.79
CRMS 0258	28.49	12.60	12.82	14.16	15.77	12.00	12.28	15.39	60.11	144.67	181.41	172.88
CRMS 0224	27.26	15.01	14.35	16.22	18.14	12.56	12.14	18.79	73.97	127.29	184.00	161.26
CRMS 0163	24.86	12.16	13.36	12.89	14.86	12.54	14.03	17.65	24.83	43.31	66.74	44.14
CRMS 0162	20.84	13.76	16.78	19.22	17.96	16.10	14.31	16.62	29.99	26.11	72.69	26.03

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-44.80	-60.71	-46.03	-70.59	-82.56	-59.77	-18.55	-9.69	-23.01	-36.79	-70.02	-92.56
CRMS0276 - Just east of Wilkinson Canal	-122.59	-41.11	-45.10	-33.19	-29.59	-38.99	-80.57	-83.63	-2.63	1.65	-8.60	-5.10
Barataria Waterway at Lafitte (USACE82875)	1.84	0.49	0.28	0.31	0.57	0.05	0.04	-0.11	0.50	2.42	2.01	1.30
USGS2928590900040000 Barataria Waterway South of Lafitte	-94.87	-108.36	-77.75	-89.48	-96.75	-67.37	-33.91	-19.27	-37.92	-63.79	-113.36	-153.79
USGS7380251 Barataria Bay North of Grand Isle	-11.36	-18.67	-19.33	-44.04	-58.31	-37.57	-8.49	-5.18	-5.00	-6.82	-11.83	-11.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	-112.22	-129.52	-84.17	-123.42	-130.56	-87.34	-29.55	-73.65	-28.58	-30.53	-42.59	-68.08
USGS 07380335 - Little Lake Near Cutoff	-195.62	-187.54	-126.59	-154.67	-158.63	-110.53	-61.11	-121.08	-29.92	-28.29	-42.96	-74.80
USGS073802516 Barataria Pass at Grand Isle	-133.05	-163.16	-111.71	-170.30	-183.68	-142.06	-74.00	-125.04	-28.86	-23.01	-25.85	-49.83
HWQ14 - Lake Washington	-20.84	-39.47	-36.20	-76.91	-91.34	-65.86	-19.17	-29.70	-11.32	-9.16	-6.39	-12.83
HWQ16 - Bayou Grand Liard	-158.03	-182.87	-168.43	-202.86	-176.37	-129.83	-129.29	-100.89	-14.10	-8.83	-13.45	-24.55
CRMS 3985	-1.55	-4.26	-5.56	-21.41	-33.96	-27.10	-5.60	-3.84	-4.48	-4.53	-3.10	-1.90
CRMS 0258	-134.25	-118.02	-62.36	-69.38	-65.40	-36.59	-22.68	-17.01	-31.63	-31.70	-68.51	-98.70
CRMS 0224	-156.69	-175.62	-107.62	-120.87	-123.74	-86.83	-49.40	-62.50	-41.11	-33.67	-70.17	-103.07
CRMS 0163	1.35	0.22	0.21	0.30	0.38	-0.01	0.23	0.31	0.62	2.02	2.38	0.61
CRMS 0162	1.61	0.53	1.26	1.05	0.99	0.76	0.19	0.07	1.07	0.03	1.65	0.24

Figure WQ SO4 19 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.00	86.19	63.44	85.02	90.13	61.66	37.63	32.15	46.49	53.29	91.89	101.81
CRMS0276 - Just east of Wilkinson Canal	256.32	346.87	206.73	105.96	63.12	42.05	99.11	179.57	209.60	329.11	438.12	232.20
Barataria Waterway at Lafitte (USACE82875)	45.91	55.50	20.19	11.76	11.70	11.39	12.72	19.84	27.04	60.55	65.68	23.20
USGS2928590900040000 Barataria Waterway South of Lafitte	96.15	142.51	115.59	104.53	98.14	59.99	49.18	45.34	71.39	92.79	154.15	179.43
USGS7380251 Barataria Bay North of Grand Isle	22.67	32.54	26.44	53.07	68.20	48.08	29.97	24.58	18.51	21.76	43.47	33.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	112.66	170.37	94.00	127.07	129.74	91.78	67.89	110.85	75.24	100.11	211.39	168.00
USGS 07380335 - Little Lake Near Cutoff	206.02	270.39	158.89	158.26	148.56	105.35	101.12	179.02	128.60	186.71	320.76	261.91
USGS073802516 Barataria Pass at Grand Isle	147.62	238.81	132.63	180.77	185.52	140.02	119.22	189.69	105.45	153.55	238.36	218.18
HWQ14 - Lake Washington	35.91	54.27	36.95	86.09	105.91	81.00	50.14	53.91	35.47	37.90	69.44	58.63
HWQ16 - Bayou Grand Liard	480.00	516.79	383.68	325.98	243.71	196.91	306.36	385.63	362.67	490.17	594.39	440.84
CRMS 3985	15.33	18.33	16.08	29.76	44.47	39.24	26.21	20.21	16.47	16.61	21.20	18.87
CRMS 0258	146.38	224.14	140.45	80.53	65.06	32.27	30.42	40.31	116.88	183.91	262.55	195.52
CRMS 0224	151.23	238.86	166.01	128.08	118.00	74.22	70.28	98.45	128.67	156.69	269.24	257.73
CRMS 0163	48.30	55.14	15.94	11.95	11.67	11.37	13.45	20.16	28.06	57.99	60.07	15.92
CRMS 0162	65.62	70.85	14.88	16.23	12.85	12.61	13.65	18.04	34.27	38.82	60.89	14.03

V3PR5 HYST - cy 0 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.33	18.36	11.95	11.35	11.57	11.49	13.04	15.66	17.41	18.89	19.48	11.99
CRMS0276 - Just east of Wilkinson Canal	195.30	329.16	166.64	76.56	40.56	23.36	27.94	123.81	206.17	328.62	428.82	196.80
Barataria Waterway at Lafitte (USACE82875)	44.06	56.33	21.23	11.94	11.79	11.42	12.63	19.53	26.70	61.71	68.15	25.20
USGS2928590900040000 Barataria Waterway South of Lafitte	15.48	27.42	12.46	11.37	11.56	11.44	12.96	15.76	24.33	30.01	35.18	12.06
USGS7380251 Barataria Bay North of Grand Isle	13.35	20.59	13.12	11.29	11.48	10.94	11.20	11.98	12.15	15.89	31.24	15.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	45.27	105.45	18.85	11.88	11.71	11.31	12.24	39.23	61.00	79.45	165.82	18.36
USGS 07380335 - Little Lake Near Cutoff	109.25	195.16	31.26	14.30	12.51	11.59	12.36	86.55	116.24	168.14	276.46	33.33
USGS073802516 Barataria Pass at Grand Isle	76.83	182.43	42.39	22.82	18.90	15.59	13.35	96.50	100.06	141.07	214.34	55.79
HWQ14 - Lake Washington	17.89	35.59	18.15	15.01	15.42	12.79	9.72	16.49	33.71	36.84	64.65	28.83
HWQ16 - Bayou Grand Liard	418.83	485.77	216.68	131.62	81.41	77.63	162.95	340.58	358.16	479.86	580.72	265.75
CRMS 3985	13.84	16.06	13.61	11.19	11.26	10.66	10.04	9.28	9.65	11.83	18.31	16.51
CRMS 0258	22.08	112.93	34.16	13.50	12.57	11.12	11.95	18.99	81.35	154.37	190.35	40.64
CRMS 0224	40.23	143.27	35.66	14.51	13.12	11.25	11.74	32.70	95.29	132.15	197.19	42.59
CRMS 0163	46.83	55.64	16.40	12.09	11.68	11.37	13.39	20.56	27.77	59.14	63.85	17.11
CRMS 0162	67.65	73.29	15.14	18.29	13.08	12.90	13.82	17.95	32.02	40.73	65.02	14.30

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-40.67	-67.84	-51.48	-73.67	-78.55	-50.17	-24.59	-16.49	-29.08	-34.39	-72.42	-89.82
CRMS0276 - Just east of Wilkinson Canal	-61.02	-17.71	-40.09	-29.40	-22.57	-18.69	-71.17	-55.76	-3.43	-0.49	-9.29	-35.40
Barataria Waterway at Lafitte (USACE82875)	-1.85	0.83	1.04	0.18	0.09	0.03	-0.09	-0.31	-0.34	1.16	2.48	2.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.67	-115.10	-103.13	-93.16	-86.58	-48.55	-36.22	-29.58	-47.06	-62.77	-118.97	-167.36
USGS7380251 Barataria Bay North of Grand Isle	-9.31	-11.95	-13.32	-41.78	-56.72	-37.14	-18.77	-12.60	-6.35	-5.87	-12.22	-18.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	-67.39	-64.92	-75.15	-115.19	-118.04	-80.47	-55.66	-71.63	-14.24	-20.66	-45.57	-149.63
USGS 07380335 - Little Lake Near Cutoff	-96.77	-75.23	-127.63	-143.96	-136.05	-93.76	-88.75	-92.47	-12.36	-18.57	-44.30	-228.58
USGS073802516 Barataria Pass at Grand Isle	-70.79	-56.38	-90.24	-157.95	-166.62	-124.43	-105.87	-93.19	-5.39	-12.48	-24.02	-162.39
HWQ14 - Lake Washington	-18.01	-18.69	-18.80	-71.07	-90.49	-68.21	-40.42	-37.42	-1.76	-1.06	-4.80	-29.81
HWQ16 - Bayou Grand Liard	-61.17	-31.01	-167.00	-194.36	-162.30	-119.28	-143.42	-45.05	-4.51	-10.31	-13.67	-175.09
CRMS 3985	-1.49	-2.28	-2.46	-18.57	-33.21	-28.58	-16.17	-10.92	-6.82	-4.78	-2.89	-2.36
CRMS 0258	-124.30	-111.21	-106.29	-67.02	-52.49	-21.16	-18.47	-21.32	-35.54	-29.54	-72.20	-154.88
CRMS 0224	-111.00	-95.60	-130.35	-113.57	-104.88	-62.98	-58.54	-65.75	-33.38	-24.54	-72.05	-215.14
CRMS 0163	-1.47	0.49	0.46	0.14	0.01	0.00	-0.06	0.40	-0.29	1.15	3.77	1.19
CRMS 0162	2.04	2.45	0.26	2.06	0.23	0.28	0.17	-0.09	-2.25	1.92	4.12	0.27

Figure WQ SO4 20 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.65	80.40	58.87	78.29	100.91	68.37	31.62	33.79	55.92	71.80	89.85	107.88
CRMS0276 - Just east of Wilkinson Canal	330.27	305.24	206.21	174.98	97.18	105.46	154.62	281.91	296.82	320.72	356.83	338.55
Barataria Waterway at Lafitte (USACE82875)	42.39	39.27	18.35	15.83	11.91	14.43	28.79	54.72	48.97	43.91	40.00	51.38
USGS2928590900040000 Barataria Waterway South of Lafitte	103.32	137.83	101.88	107.31	118.35	74.00	44.15	46.76	92.64	128.92	155.00	172.96
USGS7380251 Barataria Bay North of Grand Isle	24.59	31.33	25.29	42.04	67.45	45.06	20.01	18.08	18.87	24.03	40.43	31.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	126.21	160.11	94.74	126.56	142.10	94.01	46.01	126.34	104.20	118.91	189.45	159.57
USGS 07380335 - Little Lake Near Cutoff	232.18	251.65	158.29	175.74	170.40	119.87	93.48	247.26	178.11	212.82	284.70	262.03
USGS073802516 Barataria Pass at Grand Isle	166.18	223.34	135.48	191.21	207.81	160.63	106.47	233.77	146.37	172.50	214.53	217.51
HWQ14 - Lake Washington	39.11	52.28	37.26	71.82	106.84	75.64	29.35	38.78	42.44	45.62	63.39	53.30
HWQ16 - Bayou Grand Liard	514.90	481.75	395.57	385.82	288.33	267.63	392.83	519.52	450.46	484.58	539.42	512.85
CRMS 3985	16.34	17.89	15.43	23.01	39.92	34.57	17.15	15.94	16.08	16.88	19.99	19.12
CRMS 0258	163.76	178.70	104.01	103.15	85.72	44.38	42.85	64.79	165.27	234.73	247.68	273.39
CRMS 0224	176.86	227.47	149.59	153.20	144.90	93.38	62.83	125.27	171.98	208.98	250.83	244.86
CRMS 0163	36.13	37.94	18.02	16.21	11.74	14.73	40.69	57.61	48.46	38.45	40.05	46.32
CRMS 0162	53.63	59.87	22.60	22.85	14.21	18.27	20.83	25.26	98.49	24.26	39.04	25.55

V3PR6 HYST - cy 0 - 1970 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.78	16.15	14.07	12.77	11.28	13.91	17.05	18.75	19.79	17.44	17.79	18.00
CRMS0276 - Just east of Wilkinson Canal	199.71	259.02	118.35	110.71	35.74	38.09	92.78	240.58	288.89	317.26	347.11	326.12
Barataria Waterway at Lafitte (USACE82875)	44.86	41.01	21.03	17.92	12.72	14.55	26.12	50.91	48.67	44.56	39.95	52.13
USGS2928590900040000 Barataria Waterway South of Lafitte	15.00	18.27	14.06	12.79	11.27	13.85	16.16	20.47	29.87	30.44	33.68	27.83
USGS7380251 Barataria Bay North of Grand Isle	14.79	17.94	13.76	12.71	11.30	12.61	11.25	13.96	14.52	17.71	31.04	22.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	32.98	56.75	14.42	13.03	11.31	13.34	20.18	96.96	84.62	88.02	155.13	96.21
USGS 07380335 - Little Lake Near Cutoff	74.57	99.64	17.33	14.47	11.43	13.16	47.42	206.87	162.45	180.89	251.66	192.39
USGS073802516 Barataria Pass at Grand Isle	57.79	102.11	24.64	19.40	13.13	14.51	59.07	206.70	136.07	152.17	197.01	169.06
HWQ14 - Lake Washington	22.58	28.44	14.70	14.25	12.40	11.16	11.63	34.56	43.18	42.62	62.69	41.02
HWQ16 - Bayou Grand Liard	366.19	362.99	175.57	113.18	49.30	105.74	337.29	490.95	440.38	472.76	529.38	486.88
CRMS 3985	14.91	15.25	13.29	12.40	11.39	11.46	9.90	9.66	12.15	14.03	18.88	17.72
CRMS 0258	36.68	47.55	14.54	14.34	11.46	12.96	13.62	31.22	124.85	187.01	183.17	171.56
CRMS 0224	39.56	73.96	15.95	15.93	11.46	12.88	18.84	78.09	140.55	157.29	186.20	150.32
CRMS 0163	38.04	39.53	19.51	18.38	12.23	14.63	37.96	54.49	49.45	38.76	40.35	47.45
CRMS 0162	54.81	61.97	26.30	26.51	15.58	20.33	21.10	25.81	104.00	24.49	39.78	25.22

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-41.87	-64.25	-44.80	-65.52	-89.63	-54.47	-14.57	-15.04	-36.13	-54.36	-72.07	-89.88
CRMS0276 - Just east of Wilkinson Canal	-130.56	-46.21	-87.86	-64.27	-61.43	-67.37	-61.85	-41.33	-7.93	-3.46	-9.72	-12.43
Barataria Waterway at Lafitte (USACE82875)	2.47	1.73	2.67	2.09	0.81	0.12	-2.67	-3.82	-0.30	0.65	-0.04	0.76
USGS2928590900040000 Barataria Waterway South of Lafitte	-88.32	-119.56	-87.81	-94.52	-107.08	-60.14	-27.98	-26.29	-62.76	-98.48	-121.31	-145.13
USGS7380251 Barataria Bay North of Grand Isle	-9.80	-13.39	-11.53	-29.33	-56.15	-32.45	-8.76	-4.12	-4.35	-6.32	-9.39	-9.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	-93.23	-103.36	-80.32	-113.53	-130.79	-80.67	-25.83	-29.38	-19.58	-30.89	-34.33	-63.36
USGS 07380335 - Little Lake Near Cutoff	-157.61	-152.01	-140.97	-161.27	-158.97	-106.71	-46.06	-40.38	-15.66	-31.93	-33.03	-69.63
USGS073802516 Barataria Pass at Grand Isle	-108.39	-121.24	-110.85	-171.81	-194.68	-146.12	-47.40	-27.07	-10.30	-20.33	-17.52	-48.44
HWQ14 - Lake Washington	-16.53	-23.84	-22.56	-57.58	-94.45	-64.48	-17.71	-4.22	0.74	-2.99	-0.69	-12.28
HWQ16 - Bayou Grand Liard	-148.72	-118.76	-220.00	-272.64	-239.03	-161.89	-55.54	-28.57	-10.08	-11.82	-10.05	-25.97
CRMS 3985	-1.43	-2.64	-2.14	-10.60	-28.53	-23.11	-7.25	-6.28	-3.93	-2.85	-1.11	-1.40
CRMS 0258	-127.08	-131.15	-89.46	-88.81	-74.25	-31.42	-29.23	-33.57	-40.42	-47.73	-64.52	-101.83
CRMS 0224	-137.30	-153.52	-133.65	-137.26	-133.45	-80.49	-43.98	-47.18	-31.43	-51.69	-64.63	-94.54
CRMS 0163	1.91	1.59	1.49	2.17	0.49	-0.10	-2.73	-3.11	0.99	0.31	0.30	1.13
CRMS 0162	1.18	2.10	3.70	3.66	1.37	2.06	0.26	0.55	5.51	0.23	0.75	-0.33

Figure WQ SO4 21 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.34	69.68	56.34	70.82	79.17	56.01	41.93	38.55	54.88	66.41	99.35	106.85
CRMS0276 - Just east of Wilkinson Canal	280.41	175.52	93.27	93.56	61.33	107.64	186.98	252.19	276.55	390.21	435.61	300.39
Barataria Waterway at Lafitte (USACE82875)	36.31	15.14	11.08	11.26	11.11	16.90	22.65	33.55	39.79	80.62	58.93	31.97
USGS2928590900040000 Barataria Waterway South of Lafitte	98.27	117.72	89.24	82.31	85.31	56.97	53.77	53.71	91.26	118.33	168.69	191.87
USGS7380251 Barataria Bay North of Grand Isle	23.80	29.43	28.38	49.38	61.44	44.05	30.76	22.99	18.78	24.33	44.03	35.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	118.28	145.26	89.91	114.03	117.29	88.08	83.38	124.54	90.87	120.55	215.81	171.84
USGS 07380335 - Little Lake Near Cutoff	215.80	216.33	131.78	141.45	136.19	112.60	141.81	221.16	158.96	222.19	325.72	273.20
USGS073802516 Barataria Pass at Grand Isle	157.20	197.94	123.09	166.12	171.61	155.64	155.84	215.56	126.70	181.30	240.82	225.85
HWQ14 - Lake Washington	38.10	51.87	43.88	80.39	97.76	73.62	50.08	48.36	37.53	44.68	69.26	58.72
HWQ16 - Bayou Grand Liard	492.54	381.83	297.85	305.08	236.94	277.88	407.13	464.70	425.36	532.04	591.36	487.98
CRMS 3985	15.91	16.23	15.49	29.93	41.42	36.19	24.97	17.87	16.54	17.65	21.34	19.62
CRMS 0258	137.49	128.75	77.56	61.90	55.40	37.38	50.19	71.42	158.36	234.88	297.32	223.47
CRMS 0224	162.04	196.56	119.68	107.05	104.69	76.47	91.79	122.38	165.16	196.27	283.84	269.71
CRMS 0163	35.52	13.93	10.83	11.25	11.08	18.22	25.21	36.49	39.65	72.16	55.43	25.47
CRMS 0162	27.19	15.42	12.10	14.29	12.73	21.02	18.46	24.18	63.80	68.55	55.10	19.15

V3PR6 HYST - cy 0 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.58	11.51	10.86	10.94	10.99	15.08	15.72	17.56	18.98	19.53	19.23	14.98
CRMS0276 - Just east of Wilkinson Canal	171.02	92.68	27.37	41.07	20.23	70.56	141.80	216.01	272.93	384.42	419.62	262.07
Barataria Waterway at Lafitte (USACE82875)	40.46	17.85	11.32	11.57	11.28	16.64	22.45	33.30	39.78	82.68	58.41	34.60
USGS2928590900040000 Barataria Waterway South of Lafitte	14.48	11.53	10.85	10.94	10.98	14.27	15.32	18.58	28.18	30.04	36.28	23.66
USGS7380251 Barataria Bay North of Grand Isle	14.07	11.67	10.82	10.85	10.92	10.92	9.98	12.97	13.91	17.32	34.14	20.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.11	11.66	10.86	10.92	10.95	14.87	28.74	84.94	79.89	90.28	175.40	60.00
USGS 07380335 - Little Lake Near Cutoff	39.71	12.53	11.01	10.93	10.95	22.95	71.52	175.18	152.36	193.14	284.22	115.56
USGS073802516 Barataria Pass at Grand Isle	38.60	15.99	11.12	10.95	11.01	41.76	88.59	182.07	129.15	158.91	218.95	106.01
HWQ14 - Lake Washington	17.29	12.38	10.41	10.27	10.69	10.58	13.97	34.50	43.19	41.31	68.44	37.11
HWQ16 - Bayou Grand Liard	348.43	99.92	40.00	41.04	31.29	185.75	370.84	437.72	420.03	520.31	573.02	360.20
CRMS 3985	14.02	11.96	10.77	10.65	10.83	9.83	8.55	8.82	11.15	13.72	19.81	17.57
CRMS 0258	18.81	12.00	10.87	11.05	10.98	12.63	15.57	29.04	116.69	186.45	213.96	105.63
CRMS 0224	23.25	12.29	10.89	11.00	10.97	13.69	29.80	68.75	131.40	154.71	209.39	108.86
CRMS 0163	37.92	15.60	10.92	11.54	11.16	17.78	24.85	36.02	39.67	74.16	54.66	27.11
CRMS 0162	30.89	18.24	12.69	17.05	13.61	22.76	18.65	23.23	60.72	71.77	53.72	19.85

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-39.76	-58.16	-45.48	-59.88	-68.18	-40.92	-26.21	-20.99	-35.90	-46.88	-80.12	-91.87
CRMS0276 - Just east of Wilkinson Canal	-109.39	-82.84	-65.90	-52.49	-41.10	-37.08	-45.18	-36.17	-3.61	-5.78	-15.98	-38.32
Barataria Waterway at Lafitte (USACE82875)	4.16	2.71	0.23	0.32	0.17	-0.26	-0.20	-0.25	-0.02	2.06	-0.52	2.63
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.79	-106.19	-78.38	-71.37	-74.33	-42.70	-38.45	-35.13	-63.08	-88.29	-132.41	-168.21
USGS7380251 Barataria Bay North of Grand Isle	-9.73	-17.76	-17.56	-38.53	-50.53	-33.13	-20.78	-10.02	-4.87	-7.01	-9.89	-15.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	-97.17	-133.60	-79.05	-103.10	-106.34	-73.21	-54.64	-39.60	-10.98	-30.27	-40.42	-111.84
USGS 07380335 - Little Lake Near Cutoff	-176.09	-203.80	-120.77	-130.51	-125.25	-89.64	-70.29	-45.98	-6.60	-29.05	-41.51	-157.64
USGS073802516 Barataria Pass at Grand Isle	-118.60	-181.95	-111.97	-155.18	-160.61	-113.88	-67.25	-33.49	2.46	-22.38	-21.87	-119.84
HWQ14 - Lake Washington	-20.81	-39.49	-33.46	-70.12	-87.07	-63.04	-36.11	-13.86	5.66	-3.37	-0.81	-21.62
HWQ16 - Bayou Grand Liard	-144.11	-281.92	-257.85	-264.04	-205.65	-92.13	-36.29	-26.98	-5.33	-11.72	-18.34	-127.79
CRMS 3985	-1.88	-4.27	-4.71	-19.28	-30.59	-26.37	-16.42	-9.05	-5.39	-3.93	-1.54	-2.05
CRMS 0258	-118.67	-116.75	-66.68	-50.85	-44.42	-24.75	-34.61	-42.38	-41.67	-48.43	-83.36	-117.84
CRMS 0224	-138.79	-184.27	-108.79	-96.05	-93.72	-62.78	-61.99	-53.62	-33.76	-41.56	-74.46	-160.86
CRMS 0163	2.40	1.66	0.09	0.29	0.08	-0.44	-0.36	-0.47	0.02	2.00	-0.77	1.64
CRMS 0162	3.69	2.82	0.59	2.76	0.88	1.74	0.19	-0.95	-3.08	3.22	-1.37	0.70

Figure WQ SO4 22 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.99	81.25	65.97	87.34	100.80	84.64	42.89	38.41	61.14	71.23	84.60	87.72
CRMS0276 - Just east of Wilkinson Canal	348.67	247.57	246.44	221.94	204.53	219.07	249.75	332.51	352.52	353.55	353.16	291.25
Barataria Waterway at Lafitte (USACE82875)	82.83	27.93	26.95	22.27	20.65	30.35	52.45	78.64	75.36	59.67	39.29	37.43
USGS2928590900040000 Barataria Waterway South of Lafitte	94.26	140.00	104.99	122.16	136.89	101.28	60.02	56.22	105.41	131.89	155.36	150.72
USGS7380251 Barataria Bay North of Grand Isle	23.35	33.63	24.82	41.43	49.18	37.34	21.18	19.40	19.11	23.32	39.55	30.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.67	169.95	92.21	133.12	126.92	103.98	66.93	144.73	111.21	116.95	191.40	146.57
USGS 07380335 - Little Lake Near Cutoff	239.22	255.76	159.52	192.68	177.27	151.18	145.77	278.89	199.83	216.03	287.90	241.11
USGS073802516 Barataria Pass at Grand Isle	168.28	228.37	134.28	202.97	216.25	205.71	154.04	261.69	157.74	173.92	213.91	201.45
HWQ14 - Lake Washington	36.76	58.43	35.00	71.08	81.68	72.21	32.46	42.83	41.55	41.79	62.60	50.71
HWQ16 - Bayou Grand Liard	550.52	448.04	423.11	425.39	376.01	383.28	494.80	565.78	494.12	507.08	534.03	475.51
CRMS 3985	16.74	18.12	15.85	21.79	27.11	25.84	17.83	16.52	16.90	17.22	19.85	18.35
CRMS 0258	163.52	162.02	152.00	132.50	124.33	121.12	87.21	86.01	192.45	263.46	215.73	171.22
CRMS 0224	165.08	236.36	150.73	169.59	173.07	134.62	93.97	145.16	200.19	213.47	255.69	223.34
CRMS 0163	72.29	25.66	26.05	25.95	22.31	32.23	63.01	85.60	70.34	54.18	36.66	32.89
CRMS 0162	59.75	25.13	24.27	33.19	24.15	29.90	23.84	51.02	153.08	30.17	35.13	21.60

V3PR6 HYST - cy 0 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.72	14.40	15.61	15.49	14.54	17.02	18.59	19.80	20.60	18.54	17.28	16.44
CRMS0276 - Just east of Wilkinson Canal	320.96	184.29	217.42	193.99	155.39	188.72	219.48	309.55	341.99	353.02	346.57	284.42
Barataria Waterway at Lafitte (USACE82875)	84.86	32.00	26.94	22.64	22.99	29.09	51.43	78.94	73.63	59.39	38.68	37.50
USGS2928590900040000 Barataria Waterway South of Lafitte	21.40	14.20	15.69	16.59	14.32	16.33	18.24	21.82	32.97	31.57	34.12	26.39
USGS7380251 Barataria Bay North of Grand Isle	17.41	13.96	13.98	15.49	16.00	14.36	13.66	17.02	15.84	19.88	32.20	21.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	75.69	18.83	32.33	45.58	19.13	37.42	51.32	122.55	93.24	98.40	158.31	89.04
USGS 07380335 - Little Lake Near Cutoff	174.58	34.57	64.62	81.46	27.30	67.02	122.34	253.98	182.60	199.18	255.95	177.98
USGS073802516 Barataria Pass at Grand Isle	128.27	56.98	70.43	98.42	59.29	120.20	141.63	251.65	151.03	169.81	199.93	157.47
HWQ14 - Lake Washington	28.74	19.19	20.73	29.53	31.29	34.08	28.28	49.75	46.92	47.79	65.31	40.04
HWQ16 - Bayou Grand Liard	525.41	280.30	334.00	318.45	207.50	324.89	478.91	557.94	480.73	504.43	525.75	455.23
CRMS 3985	15.85	14.28	12.64	12.95	15.28	13.41	11.54	11.34	14.04	15.62	20.02	17.37
CRMS 0258	80.74	21.55	31.51	34.59	24.96	35.31	25.69	41.07	148.53	214.15	164.38	111.79
CRMS 0224	94.28	31.06	40.23	47.94	36.73	42.61	52.48	102.99	160.57	173.57	192.72	142.32
CRMS 0163	74.01	28.60	26.03	26.47	24.26	30.35	62.64	87.38	66.65	52.22	36.21	33.08
CRMS 0162	64.60	28.76	25.46	32.65	25.46	29.77	23.70	53.04	157.62	30.00	36.03	21.63

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-37.27	-66.85	-50.36	-71.85	-86.25	-67.62	-24.30	-18.61	-40.54	-52.69	-67.31	-71.27
CRMS0276 - Just east of Wilkinson Canal	-27.71	-63.28	-29.02	-27.95	-49.14	-30.35	-30.27	-22.96	-10.53	-0.53	-6.59	-6.83
Barataria Waterway at Lafitte (USACE82875)	2.03	4.08	-0.01	0.38	2.34	-1.27	-1.02	0.30	-1.73	-0.28	-0.61	0.06
USGS2928590900040000 Barataria Waterway South of Lafitte	-72.86	-125.80	-89.29	-105.57	-122.56	-84.95	-41.78	-34.40	-72.45	-100.32	-121.25	-124.33
USGS7380251 Barataria Bay North of Grand Isle	-5.94	-19.67	-10.84	-25.94	-33.18	-22.98	-7.52	-2.38	-3.27	-3.44	-7.35	-8.65
USGS73802515 Hackberry Bay Northwest of Grand Isle	-49.98	-151.12	-59.88	-87.54	-107.79	-66.55	-15.61	-22.18	-17.97	-18.55	-33.10	-57.53
USGS 07380335 - Little Lake Near Cutoff	-64.64	-221.19	-94.90	-111.22	-149.96	-84.16	-23.44	-24.91	-17.23	-16.85	-31.96	-63.13
USGS073802516 Barataria Pass at Grand Isle	-40.01	-171.38	-63.85	-104.54	-156.96	-85.51	-12.41	-10.04	-6.71	-4.11	-13.98	-43.98
HWQ14 - Lake Washington	-8.03	-39.24	-14.27	-41.55	-50.40	-38.13	-4.17	6.93	5.37	6.00	2.71	-10.67
HWQ16 - Bayou Grand Liard	-25.10	-167.74	-89.12	-106.94	-168.51	-58.38	-15.89	-7.84	-13.39	-2.65	-8.28	-20.29
CRMS 3985	-0.89	-3.84	-3.21	-8.84	-11.82	-12.43	-6.29	-5.18	-2.85	-1.60	0.17	-0.98
CRMS 0258	-82.79	-140.47	-120.49	-97.90	-99.37	-85.81	-61.51	-44.93	-43.92	-49.31	-51.36	-59.43
CRMS 0224	-70.80	-205.30	-110.50	-121.65	-136.34	-92.00	-41.49	-42.17	-39.61	-39.90	-62.97	-81.02
CRMS 0163	1.73	2.94	-0.02	0.52	1.95	-1.89	-0.36	1.78	-3.70	-1.96	-0.46	0.19
CRMS 0162	4.85	3.63	1.19	-0.54	1.31	-0.13	-0.14	2.02	4.54	-0.17	0.90	0.03

Figure WQ SO4 23 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.50	71.69	58.42	82.35	94.62	72.22	31.72	24.45	39.72	54.51	89.85	110.15
CRMS0276 - Just east of Wilkinson Canal	316.53	141.12	124.21	120.39	118.93	81.01	115.92	164.83	188.84	291.05	409.09	371.44
Barataria Waterway at Lafitte (USACE82875)	29.61	12.95	12.99	12.11	13.93	12.30	13.62	17.54	23.16	44.33	62.78	54.06
USGS2928590900040000 Barataria Waterway South of Lafitte	107.75	119.34	90.14	101.13	108.87	79.76	47.02	33.83	58.39	91.96	149.13	183.37
USGS7380251 Barataria Bay North of Grand Isle	25.36	29.93	31.16	55.26	70.21	48.98	20.05	17.63	16.26	22.33	41.45	33.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	130.12	141.26	97.22	135.65	143.23	99.59	42.11	95.36	75.95	108.24	200.11	171.21
USGS 07380335 - Little Lake Near Cutoff	233.72	203.98	143.47	170.13	174.35	123.65	73.90	160.86	125.06	190.41	302.45	283.01
USGS073802516 Barataria Pass at Grand Isle	171.98	188.78	133.68	193.74	213.91	163.66	89.54	173.29	107.88	160.62	226.21	230.43
HWQ14 - Lake Washington	41.46	53.20	47.69	90.03	109.16	81.03	29.80	42.13	36.89	44.60	66.13	55.18
HWQ16 - Bayou Grand Liard	498.29	347.90	335.20	346.90	313.56	247.39	308.77	370.94	349.92	463.19	573.28	531.30
CRMS 3985	16.29	16.23	16.37	31.95	45.31	37.71	16.01	14.14	13.99	15.59	20.43	19.69
CRMS 0258	162.74	130.62	75.18	83.54	81.18	48.59	34.96	32.41	91.74	176.37	249.92	271.58
CRMS 0224	183.95	190.63	121.97	137.09	141.89	99.39	61.54	81.29	115.08	160.96	254.17	264.33
CRMS 0163	23.51	11.94	13.15	12.58	14.48	12.55	13.80	17.34	24.22	41.30	64.36	43.54
CRMS 0162	19.23	13.23	15.52	18.18	16.98	15.35	14.13	16.55	28.92	26.09	71.04	25.80

V3PR6 HYST - cy 0 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.67	10.97	12.39	11.77	12.06	12.46	13.19	14.76	16.67	17.69	19.86	17.60
CRMS0276 - Just east of Wilkinson Canal	141.60	64.25	46.88	61.62	53.87	26.25	19.53	60.77	181.27	289.00	399.32	363.92
Barataria Waterway at Lafitte (USACE82875)	33.61	14.15	13.38	12.80	15.23	12.40	13.45	16.77	23.74	45.91	64.46	56.06
USGS2928590900040000 Barataria Waterway South of Lafitte	12.75	10.97	12.39	11.70	12.08	12.43	13.16	14.54	19.18	25.66	33.82	27.69
USGS7380251 Barataria Bay North of Grand Isle	13.37	11.02	12.08	11.42	11.93	11.84	12.35	12.99	11.34	15.42	30.23	22.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	14.90	11.01	12.34	11.59	12.04	12.21	12.86	19.25	43.80	76.47	158.43	104.20
USGS 07380335 - Little Lake Near Cutoff	21.50	11.25	12.98	11.91	12.46	12.08	12.62	32.24	89.14	159.98	261.30	208.32
USGS073802516 Barataria Pass at Grand Isle	23.67	12.69	13.38	13.44	15.45	12.02	11.52	37.15	72.34	136.17	202.71	180.20
HWQ14 - Lake Washington	16.55	11.56	10.71	10.84	12.90	10.77	10.04	11.65	21.93	34.29	60.61	42.85
HWQ16 - Bayou Grand Liard	219.80	69.61	88.63	68.47	76.00	71.97	112.62	225.50	324.77	456.87	563.44	502.91
CRMS 3985	14.09	11.31	11.42	11.05	11.60	11.10	11.34	11.42	9.87	11.12	17.55	17.93
CRMS 0258	20.56	11.21	12.38	11.85	12.82	11.91	12.61	15.11	55.20	139.18	179.37	172.77
CRMS 0224	19.86	11.17	12.54	11.73	12.88	11.82	12.45	17.26	67.63	124.02	184.88	160.46
CRMS 0163	26.51	12.65	13.46	13.41	15.49	12.51	13.82	17.28	24.80	42.78	66.56	44.79
CRMS 0162	22.61	14.43	18.08	20.37	18.68	16.83	14.57	16.68	32.70	26.87	71.34	26.10

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-44.83	-60.71	-46.03	-70.58	-82.56	-59.76	-18.53	-9.69	-23.05	-36.82	-69.98	-92.55
CRMS0276 - Just east of Wilkinson Canal	-174.92	-76.88	-77.32	-58.78	-65.06	-54.76	-96.39	-104.06	-7.57	-2.05	-9.77	-7.53
Barataria Waterway at Lafitte (USACE82875)	4.00	1.20	0.39	0.69	1.30	0.10	-0.17	-0.76	0.58	1.57	1.68	2.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-95.00	-108.37	-77.75	-89.43	-96.79	-67.32	-33.86	-19.29	-39.21	-66.31	-115.31	-155.68
USGS7380251 Barataria Bay North of Grand Isle	-12.00	-18.90	-19.08	-43.84	-58.28	-37.14	-7.69	-4.64	-4.92	-6.91	-11.22	-10.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	-115.22	-130.25	-84.88	-124.06	-131.19	-87.38	-29.25	-76.11	-32.16	-31.77	-41.68	-67.01
USGS 07380335 - Little Lake Near Cutoff	-212.23	-192.73	-130.49	-158.22	-161.90	-111.57	-61.27	-128.62	-35.92	-30.43	-41.14	-74.69
USGS073802516 Barataria Pass at Grand Isle	-148.31	-176.09	-120.30	-180.31	-198.45	-151.63	-78.02	-136.13	-35.53	-24.45	-23.50	-50.24
HWQ14 - Lake Washington	-24.91	-41.63	-36.98	-79.19	-96.26	-70.27	-19.77	-30.48	-14.96	-10.31	-5.52	-12.33
HWQ16 - Bayou Grand Liard	-278.49	-278.30	-246.57	-278.43	-237.56	-175.42	-196.14	-145.45	-25.15	-6.32	-9.84	-28.39
CRMS 3985	-2.21	-4.92	-4.95	-20.90	-33.71	-26.61	-4.67	-2.72	-4.12	-4.47	-2.88	-1.76
CRMS 0258	-142.18	-119.41	-62.80	-71.69	-68.35	-36.68	-22.35	-17.30	-36.55	-37.19	-70.55	-98.80
CRMS 0224	-164.09	-179.46	-109.43	-125.35	-129.01	-87.57	-49.10	-64.03	-47.45	-36.94	-69.30	-103.86
CRMS 0163	3.00	0.71	0.32	0.83	1.00	-0.04	0.03	-0.06	0.59	1.49	2.20	1.25
CRMS 0162	3.38	1.19	2.56	2.19	1.70	1.48	0.44	0.13	3.78	0.78	0.30	0.30

Figure WQ SO4 24 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.00	86.19	63.44	85.02	90.13	61.66	37.63	32.15	46.49	53.29	91.89	101.81
CRMS0276 - Just east of Wilkinson Canal	256.32	346.87	206.73	105.96	63.12	42.05	99.11	179.57	209.60	329.11	438.12	232.20
Barataria Waterway at Lafitte (USACE82875)	45.91	55.50	20.19	11.76	11.70	11.39	12.72	19.84	27.04	60.55	65.68	23.20
USGS2928590900040000 Barataria Waterway South of Lafitte	96.15	142.51	115.59	104.53	98.14	59.99	49.18	45.34	71.39	92.79	154.15	179.43
USGS7380251 Barataria Bay North of Grand Isle	22.67	32.54	26.44	53.07	68.20	48.08	29.97	24.58	18.51	21.76	43.47	33.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	112.66	170.37	94.00	127.07	129.74	91.78	67.89	110.85	75.24	100.11	211.39	168.00
USGS 07380335 - Little Lake Near Cutoff	206.02	270.39	158.89	158.26	148.56	105.35	101.12	179.02	128.60	186.71	320.76	261.91
USGS073802516 Barataria Pass at Grand Isle	147.62	238.81	132.63	180.77	185.52	140.02	119.22	189.69	105.45	153.55	238.36	218.18
HWQ14 - Lake Washington	35.91	54.27	36.95	86.09	105.91	81.00	50.14	53.91	35.47	37.90	69.44	58.63
HWQ16 - Bayou Grand Liard	480.00	516.79	383.68	325.98	243.71	196.91	306.36	385.63	362.67	490.17	594.39	440.84
CRMS 3985	15.33	18.33	16.08	29.76	44.47	39.24	26.21	20.21	16.47	16.61	21.20	18.87
CRMS 0258	146.38	224.14	140.45	80.53	65.06	32.27	30.42	40.31	116.88	183.91	262.55	195.52
CRMS 0224	151.23	238.86	166.01	128.08	118.00	74.22	70.28	98.45	128.67	156.69	269.24	257.73
CRMS 0163	48.30	55.14	15.94	11.95	11.67	11.37	13.45	20.16	28.06	57.99	60.07	15.92
CRMS 0162	65.62	70.85	14.88	16.23	12.85	12.61	13.65	18.04	34.27	38.82	60.89	14.03

V3PR6 HYST - cy 0 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.27	18.31	11.93	11.36	11.43	11.50	13.06	15.65	17.38	18.83	19.43	11.98
CRMS0276 - Just east of Wilkinson Canal	178.83	328.13	117.94	49.42	21.98	14.99	17.11	108.19	205.66	324.22	423.46	131.18
Barataria Waterway at Lafitte (USACE82875)	42.55	55.81	21.91	12.20	11.82	11.35	12.37	18.99	27.11	61.36	65.74	26.39
USGS2928590900040000 Barataria Waterway South of Lafitte	15.39	25.71	12.13	11.36	11.42	11.48	13.02	15.69	22.70	27.13	32.62	12.01
USGS7380251 Barataria Bay North of Grand Isle	12.63	20.13	12.69	11.25	11.38	11.20	12.02	12.48	12.25	15.87	30.77	13.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	41.41	103.41	16.94	11.36	11.40	11.36	12.62	35.29	58.32	79.03	161.10	13.54
USGS 07380335 - Little Lake Near Cutoff	100.94	191.95	25.16	11.45	11.41	11.26	12.36	75.14	112.89	166.47	271.05	19.62
USGS073802516 Barataria Pass at Grand Isle	68.95	179.98	32.65	12.59	11.76	10.84	10.87	83.30	95.28	140.21	210.40	37.35
HWQ14 - Lake Washington	15.20	34.19	15.57	11.19	11.37	10.45	9.76	15.04	31.38	36.32	63.80	23.52
HWQ16 - Bayou Grand Liard	400.16	485.33	127.90	54.98	31.99	41.24	103.72	315.19	356.41	476.99	574.68	161.53
CRMS 3985	13.21	15.81	12.89	11.07	11.30	10.89	11.07	9.98	9.93	11.85	18.24	15.02
CRMS 0258	18.73	109.22	28.26	11.44	11.41	11.14	12.37	18.55	79.13	148.39	185.41	25.76
CRMS 0224	36.20	139.62	26.86	11.40	11.46	11.20	12.19	29.48	91.69	129.12	193.22	26.70
CRMS 0163	45.69	55.45	16.74	12.42	11.64	11.36	13.15	20.23	27.92	59.32	61.00	17.68
CRMS 0162	68.33	73.58	15.71	18.60	13.31	13.33	14.07	17.92	32.35	39.83	64.33	14.79

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-40.73	-67.88	-51.51	-73.66	-78.69	-50.16	-24.57	-16.50	-29.11	-34.46	-72.46	-89.83
CRMS0276 - Just east of Wilkinson Canal	-77.49	-18.74	-88.80	-56.54	-41.15	-27.06	-82.00	-71.38	-3.93	-4.89	-14.66	-101.02
Barataria Waterway at Lafitte (USACE82875)	-3.36	0.31	1.72	0.44	0.12	-0.04	-0.34	-0.85	0.07	0.81	0.06	3.19
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.77	-116.81	-103.47	-93.17	-86.72	-48.51	-36.16	-29.65	-48.69	-65.65	-121.53	-167.42
USGS7380251 Barataria Bay North of Grand Isle	-10.04	-12.41	-13.75	-41.82	-56.82	-36.88	-17.95	-12.11	-6.26	-5.89	-12.70	-20.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	-71.25	-66.95	-77.06	-115.71	-118.34	-80.42	-55.28	-75.56	-16.91	-21.08	-50.30	-154.46
USGS 07380335 - Little Lake Near Cutoff	-105.08	-78.44	-133.73	-146.80	-137.15	-94.09	-88.76	-103.89	-15.71	-20.25	-49.70	-242.29
USGS073802516 Barataria Pass at Grand Isle	-78.66	-58.83	-99.98	-168.18	-173.76	-129.18	-108.35	-106.39	-10.17	-13.34	-27.96	-180.83
HWQ14 - Lake Washington	-20.71	-20.08	-21.38	-74.90	-94.54	-70.55	-40.38	-38.86	-4.09	-1.58	-5.64	-35.11
HWQ16 - Bayou Grand Liard	-79.84	-31.46	-255.79	-271.01	-211.72	-155.67	-202.65	-70.44	-6.26	-13.17	-19.71	-279.31
CRMS 3985	-2.12	-2.52	-3.18	-18.69	-33.17	-28.35	-15.15	-10.23	-6.55	-4.76	-2.96	-3.85
CRMS 0258	-127.64	-114.93	-112.19	-69.09	-53.65	-21.13	-18.05	-21.76	-37.75	-35.52	-77.14	-169.76
CRMS 0224	-115.03	-99.24	-139.15	-116.68	-106.53	-63.02	-58.09	-68.97	-36.99	-27.57	-76.02	-231.04
CRMS 0163	-2.61	0.31	0.80	0.47	-0.03	0.00	-0.30	0.07	-0.14	1.34	0.93	1.75
CRMS 0162	2.71	2.73	0.83	2.37	0.46	0.72	0.42	-0.12	-1.93	1.01	3.44	0.76

Figure WQ SO4 25 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.65	80.40	58.87	78.29	100.91	68.37	31.62	33.79	55.92	71.80	89.85	107.88
CRMS0276 - Just east of Wilkinson Canal	330.27	305.24	206.21	174.98	97.18	105.46	154.62	281.91	296.82	320.72	356.83	338.55
Barataria Waterway at Lafitte (USACE82875)	42.39	39.27	18.35	15.83	11.91	14.43	28.79	54.72	48.97	43.91	40.00	51.38
USGS2928590900040000 Barataria Waterway South of Lafitte	103.32	137.83	101.88	107.31	118.35	74.00	44.15	46.76	92.64	128.92	155.00	172.96
USGS7380251 Barataria Bay North of Grand Isle	24.59	31.33	25.29	42.04	67.45	45.06	20.01	18.08	18.87	24.03	40.43	31.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	126.21	160.11	94.74	126.56	142.10	94.01	46.01	126.34	104.20	118.91	189.45	159.57
USGS 07380335 - Little Lake Near Cutoff	232.18	251.65	158.29	175.74	170.40	119.87	93.48	247.26	178.11	212.82	284.70	262.03
USGS073802516 Barataria Pass at Grand Isle	166.18	223.34	135.48	191.21	207.81	160.63	106.47	233.77	146.37	172.50	214.53	217.51
HWQ14 - Lake Washington	39.11	52.28	37.26	71.82	106.84	75.64	29.35	38.78	42.44	45.62	63.39	53.30
HWQ16 - Bayou Grand Liard	514.90	481.75	395.57	385.82	288.33	267.63	392.83	519.52	450.46	484.58	539.42	512.85
CRMS 3985	16.34	17.89	15.43	23.01	39.92	34.57	17.15	15.94	16.08	16.88	19.99	19.12
CRMS 0258	163.76	178.70	104.01	103.15	85.72	44.38	42.85	64.79	165.27	234.73	247.68	273.39
CRMS 0224	176.86	227.47	149.59	153.20	144.90	93.38	62.83	125.27	171.98	208.98	250.83	244.86
CRMS 0163	36.13	37.94	18.02	16.21	11.74	14.73	40.69	57.61	48.46	38.45	40.05	46.32
CRMS 0162	53.63	59.87	22.60	22.85	14.21	18.27	20.83	25.26	98.49	24.26	39.04	25.55

V3PR7 HYST - cy 0 - 1970 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.78	16.15	14.07	12.77	11.28	13.91	17.06	18.75	19.84	17.51	17.82	18.02
CRMS0276 - Just east of Wilkinson Canal	200.99	259.49	119.74	108.56	34.37	39.00	91.84	247.96	293.02	318.16	346.59	327.18
Barataria Waterway at Lafitte (USACE82875)	45.00	41.00	21.04	17.62	12.66	14.68	26.12	50.74	50.30	44.62	40.33	52.34
USGS2928590900040000 Barataria Waterway South of Lafitte	15.09	18.58	14.06	12.80	11.27	13.83	15.99	20.64	32.62	33.87	36.55	29.97
USGS7380251 Barataria Bay North of Grand Isle	14.78	17.94	13.77	12.71	11.30	12.63	11.28	14.14	14.81	17.91	31.40	22.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	33.04	56.59	14.49	13.00	11.30	13.33	19.49	99.75	87.64	88.82	156.12	96.31
USGS 07380335 - Little Lake Near Cutoff	74.65	99.39	17.65	14.26	11.42	13.15	46.11	210.95	167.89	182.19	252.88	192.77
USGS073802516 Barataria Pass at Grand Isle	57.59	101.62	24.79	18.77	12.95	14.40	58.13	212.17	141.08	152.45	198.50	168.16
HWQ14 - Lake Washington	22.50	28.32	14.62	14.14	12.28	11.10	11.57	35.45	44.90	42.58	63.31	41.21
HWQ16 - Bayou Grand Liard	365.92	362.53	177.76	109.81	45.64	107.34	335.41	503.95	447.09	472.96	527.56	484.83
CRMS 3985	14.91	15.25	13.30	12.41	11.39	11.49	9.91	9.79	12.26	14.13	19.09	17.80
CRMS 0258	37.87	47.89	14.58	14.16	11.47	12.94	13.57	31.71	129.17	190.83	186.42	174.81
CRMS 0224	40.14	74.18	16.12	16.01	11.46	12.87	18.62	78.54	144.45	160.05	189.08	151.26
CRMS 0163	38.16	39.50	19.60	18.38	12.23	14.71	37.79	54.83	50.36	38.71	40.59	47.39
CRMS 0162	54.90	61.98	26.85	24.45	15.51	20.43	21.02	25.09	106.05	24.22	38.07	25.66

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-41.87	-64.25	-44.80	-65.52	-89.63	-54.47	-14.57	-15.04	-36.08	-54.29	-72.03	-89.86
CRMS0276 - Just east of Wilkinson Canal	-129.27	-45.75	-86.47	-66.42	-62.81	-66.46	-62.78	-33.95	-3.80	-2.55	-10.24	-11.37
Barataria Waterway at Lafitte (USACE82875)	2.61	1.73	2.68	1.79	0.75	0.24	-2.67	-3.99	1.33	0.71	0.33	0.97
USGS2928590900040000 Barataria Waterway South of Lafitte	-88.23	-119.25	-87.81	-94.52	-107.08	-60.17	-28.16	-26.12	-60.02	-95.05	-118.44	-142.99
USGS7380251 Barataria Bay North of Grand Isle	-9.81	-13.39	-11.52	-29.34	-56.15	-32.44	-8.73	-3.94	-4.06	-6.13	-9.03	-9.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	-93.18	-103.52	-80.26	-113.57	-130.79	-80.67	-26.51	-26.59	-16.56	-30.09	-33.34	-63.26
USGS 07380335 - Little Lake Near Cutoff	-157.53	-152.26	-140.65	-161.48	-158.98	-106.72	-47.37	-36.31	-10.21	-30.63	-31.81	-69.25
USGS073802516 Barataria Pass at Grand Isle	-108.59	-121.72	-110.69	-172.44	-194.86	-146.23	-48.34	-21.61	-5.29	-20.05	-16.03	-49.34
HWQ14 - Lake Washington	-16.61	-23.96	-22.64	-57.68	-94.57	-64.54	-17.78	-3.34	2.46	-3.03	-0.08	-12.09
HWQ16 - Bayou Grand Liard	-148.98	-119.22	-217.82	-276.01	-242.69	-160.29	-57.42	-15.57	-3.37	-11.63	-11.86	-28.02
CRMS 3985	-1.44	-2.64	-2.13	-10.60	-28.54	-23.09	-7.24	-6.15	-3.82	-2.75	-0.90	-1.32
CRMS 0258	-125.89	-130.81	-89.43	-88.99	-74.25	-31.44	-29.28	-33.08	-36.10	-43.90	-61.26	-98.58
CRMS 0224	-136.72	-153.30	-133.47	-137.19	-133.45	-80.51	-44.21	-46.73	-27.53	-48.93	-61.75	-93.60
CRMS 0163	2.03	1.56	1.58	2.16	0.49	-0.02	-2.90	-2.77	1.90	0.26	0.54	1.07
CRMS 0162	1.27	2.11	4.24	1.61	1.30	2.15	0.19	-0.17	7.56	-0.04	-0.96	0.11

Figure WQ SO4 26 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.34	69.68	56.34	70.82	79.17	56.01	41.93	38.55	54.88	66.41	99.35	106.85
CRMS0276 - Just east of Wilkinson Canal	280.41	175.52	93.27	93.56	61.33	107.64	186.98	252.19	276.55	390.21	435.61	300.39
Barataria Waterway at Lafitte (USACE82875)	36.31	15.14	11.08	11.26	11.11	16.90	22.65	33.55	39.79	80.62	58.93	31.97
USGS2928590900040000 Barataria Waterway South of Lafitte	98.27	117.72	89.24	82.31	85.31	56.97	53.77	53.71	91.26	118.33	168.69	191.87
USGS7380251 Barataria Bay North of Grand Isle	23.80	29.43	28.38	49.38	61.44	44.05	30.76	22.99	18.78	24.33	44.03	35.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	118.28	145.26	89.91	114.03	117.29	88.08	83.38	124.54	90.87	120.55	215.81	171.84
USGS 07380335 - Little Lake Near Cutoff	215.80	216.33	131.78	141.45	136.19	112.60	141.81	221.16	158.96	222.19	325.72	273.20
USGS073802516 Barataria Pass at Grand Isle	157.20	197.94	123.09	166.12	171.61	155.64	155.84	215.56	126.70	181.30	240.82	225.85
HWQ14 - Lake Washington	38.10	51.87	43.88	80.39	97.76	73.62	50.08	48.36	37.53	44.68	69.26	58.72
HWQ16 - Bayou Grand Liard	492.54	381.83	297.85	305.08	236.94	277.88	407.13	464.70	425.36	532.04	591.36	487.98
CRMS 3985	15.91	16.23	15.49	29.93	41.42	36.19	24.97	17.87	16.54	17.65	21.34	19.62
CRMS 0258	137.49	128.75	77.56	61.90	55.40	37.38	50.19	71.42	158.36	234.88	297.32	223.47
CRMS 0224	162.04	196.56	119.68	107.05	104.69	76.47	91.79	122.38	165.16	196.27	283.84	269.71
CRMS 0163	35.52	13.93	10.83	11.25	11.08	18.22	25.21	36.49	39.65	72.16	55.43	25.47
CRMS 0162	27.19	15.42	12.10	14.29	12.73	21.02	18.46	24.18	63.80	68.55	55.10	19.15

V3PR7 HYST - cy 0 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.58	11.51	10.86	10.94	10.99	15.08	15.72	17.56	19.01	19.56	19.12	15.00
CRMS0276 - Just east of Wilkinson Canal	171.80	92.44	27.87	41.28	20.15	68.77	141.89	217.18	272.94	382.13	418.05	262.31
Barataria Waterway at Lafitte (USACE82875)	40.68	17.83	11.33	11.55	11.28	16.32	22.35	32.86	39.45	82.07	58.12	34.55
USGS2928590900040000 Barataria Waterway South of Lafitte	14.47	11.53	10.86	10.94	10.97	14.19	15.23	18.60	30.11	32.73	38.06	25.02
USGS7380251 Barataria Bay North of Grand Isle	14.04	11.66	10.82	10.85	10.92	10.93	10.01	13.01	14.03	17.45	32.47	20.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.14	11.66	10.86	10.92	10.95	14.78	28.69	85.32	80.46	89.84	171.60	61.30
USGS 07380335 - Little Lake Near Cutoff	39.93	12.56	11.04	10.93	10.95	22.68	71.72	175.93	153.29	190.65	281.14	114.80
USGS073802516 Barataria Pass at Grand Isle	38.59	15.88	11.20	10.93	11.01	41.29	89.40	183.92	130.06	158.28	214.68	108.61
HWQ14 - Lake Washington	17.15	12.36	10.42	10.27	10.68	10.57	14.10	34.95	43.24	41.23	65.09	37.19
HWQ16 - Bayou Grand Liard	349.93	101.74	41.56	40.05	30.69	187.98	372.40	441.17	422.11	520.37	572.61	359.89
CRMS 3985	13.99	11.94	10.78	10.66	10.84	9.84	8.56	8.88	11.21	13.81	19.32	17.52
CRMS 0258	18.96	12.05	10.87	11.02	10.99	12.61	15.61	29.21	116.95	188.93	214.16	105.38
CRMS 0224	23.43	12.38	10.90	10.99	10.98	13.60	29.97	69.08	131.30	154.94	207.51	110.33
CRMS 0163	38.05	15.56	10.95	11.48	11.14	17.35	24.83	35.77	39.30	74.42	54.44	27.03
CRMS 0162	30.97	18.17	12.79	16.30	13.86	22.92	18.60	23.29	60.99	71.23	51.84	19.70

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-39.77	-58.16	-45.48	-59.88	-68.18	-40.92	-26.20	-20.99	-35.87	-46.85	-80.23	-91.84
CRMS0276 - Just east of Wilkinson Canal	-108.61	-83.08	-65.39	-52.28	-41.18	-38.87	-45.09	-35.01	-3.60	-8.08	-17.56	-38.08
Barataria Waterway at Lafitte (USACE82875)	4.37	2.69	0.24	0.30	0.17	-0.58	-0.30	-0.69	-0.34	1.45	-0.80	2.58
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.79	-106.19	-78.38	-71.37	-74.33	-42.78	-38.54	-35.11	-61.15	-85.59	-130.63	-166.86
USGS7380251 Barataria Bay North of Grand Isle	-9.76	-17.77	-17.56	-38.53	-50.52	-33.11	-20.75	-9.98	-4.74	-6.88	-11.56	-15.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	-97.14	-133.60	-79.05	-103.10	-106.34	-73.30	-54.69	-39.22	-10.41	-30.71	-44.21	-110.55
USGS 07380335 - Little Lake Near Cutoff	-175.86	-203.77	-120.74	-130.52	-125.25	-89.92	-70.09	-45.22	-5.67	-31.54	-44.58	-158.40
USGS073802516 Barataria Pass at Grand Isle	-118.61	-182.06	-111.89	-155.19	-160.60	-114.35	-66.44	-31.63	3.37	-23.02	-26.15	-117.25
HWQ14 - Lake Washington	-20.95	-39.51	-33.46	-70.12	-87.08	-63.05	-35.99	-13.42	5.71	-3.46	-4.16	-21.54
HWQ16 - Bayou Grand Liard	-142.61	-280.10	-256.29	-265.02	-206.25	-89.91	-34.73	-23.53	-3.25	-11.66	-18.75	-128.09
CRMS 3985	-1.92	-4.28	-4.71	-19.26	-30.58	-26.36	-16.41	-8.99	-5.34	-3.84	-2.03	-2.10
CRMS 0258	-118.53	-116.69	-66.69	-50.88	-44.41	-24.78	-34.57	-42.21	-41.41	-45.95	-83.16	-118.10
CRMS 0224	-138.61	-184.18	-108.79	-96.05	-93.72	-62.87	-61.82	-53.30	-33.86	-41.32	-76.34	-159.38
CRMS 0163	2.53	1.63	0.12	0.23	0.06	-0.88	-0.38	-0.72	-0.35	2.26	-1.00	1.56
CRMS 0162	3.77	2.75	0.68	2.01	1.12	1.90	0.14	-0.90	-2.80	2.69	-3.25	0.55

Figure WQ SO4 27 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.99	81.25	65.97	87.34	100.80	84.64	42.89	38.41	61.14	71.23	84.60	87.72
CRMS0276 - Just east of Wilkinson Canal	348.67	247.57	246.44	221.94	204.53	219.07	249.75	332.51	352.52	353.55	353.16	291.25
Barataria Waterway at Lafitte (USACE82875)	82.83	27.93	26.95	22.27	20.65	30.35	52.45	78.64	75.36	59.67	39.29	37.43
USGS2928590900040000 Barataria Waterway South of Lafitte	94.26	140.00	104.99	122.16	136.89	101.28	60.02	56.22	105.41	131.89	155.36	150.72
USGS7380251 Barataria Bay North of Grand Isle	23.35	33.63	24.82	41.43	49.18	37.34	21.18	19.40	19.11	23.32	39.55	30.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.67	169.95	92.21	133.12	126.92	103.98	66.93	144.73	111.21	116.95	191.40	146.57
USGS 07380335 - Little Lake Near Cutoff	239.22	255.76	159.52	192.68	177.27	151.18	145.77	278.89	199.83	216.03	287.90	241.11
USGS073802516 Barataria Pass at Grand Isle	168.28	228.37	134.28	202.97	216.25	205.71	154.04	261.69	157.74	173.92	213.91	201.45
HWQ14 - Lake Washington	36.76	58.43	35.00	71.08	81.68	72.21	32.46	42.83	41.55	41.79	62.60	50.71
HWQ16 - Bayou Grand Liard	550.52	448.04	423.11	425.39	376.01	383.28	494.80	565.78	494.12	507.08	534.03	475.51
CRMS 3985	16.74	18.12	15.85	21.79	27.11	25.84	17.83	16.52	16.90	17.22	19.85	18.35
CRMS 0258	163.52	162.02	152.00	132.50	124.33	121.12	87.21	86.01	192.45	263.46	215.73	171.22
CRMS 0224	165.08	236.36	150.73	169.59	173.07	134.62	93.97	145.16	200.19	213.47	255.69	223.34
CRMS 0163	72.29	25.66	26.05	25.95	22.31	32.23	63.01	85.60	70.34	54.18	36.66	32.89
CRMS 0162	59.75	25.13	24.27	33.19	24.15	29.90	23.84	51.02	153.08	30.17	35.13	21.60

V3PR7 HYST - cy 0 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.68	14.40	15.61	15.49	14.54	17.03	18.59	19.78	20.55	18.52	17.17	16.41
CRMS0276 - Just east of Wilkinson Canal	314.64	186.27	225.15	192.49	156.62	191.44	222.47	300.79	332.73	343.20	348.89	284.86
Barataria Waterway at Lafitte (USACE82875)	83.69	32.28	27.93	22.79	23.22	29.65	51.17	74.00	71.27	57.76	39.98	37.39
USGS2928590900040000 Barataria Waterway South of Lafitte	21.86	14.16	15.74	16.59	14.34	16.50	18.15	21.69	34.33	34.89	36.18	28.18
USGS7380251 Barataria Bay North of Grand Isle	17.19	13.93	14.02	15.52	15.96	14.51	13.72	16.65	15.42	19.43	29.74	21.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	74.14	19.03	33.90	45.45	19.20	38.46	51.36	119.63	89.32	96.85	149.92	87.64
USGS 07380335 - Little Lake Near Cutoff	171.71	35.10	68.64	80.97	27.66	68.93	123.59	251.39	175.08	196.03	247.15	175.94
USGS073802516 Barataria Pass at Grand Isle	125.96	58.01	75.28	97.00	59.18	123.20	140.62	245.97	144.83	165.47	192.97	156.59
HWQ14 - Lake Washington	28.25	18.92	21.30	29.95	31.21	34.51	28.68	47.54	43.85	46.67	59.17	39.46
HWQ16 - Bayou Grand Liard	519.33	286.36	343.74	313.78	209.79	328.59	485.58	547.13	472.53	497.16	525.47	454.66
CRMS 3985	15.75	14.21	12.64	12.99	15.32	13.49	11.63	11.32	13.97	15.44	19.02	17.10
CRMS 0258	80.64	21.83	32.16	35.70	25.43	38.16	26.61	39.73	142.02	211.62	163.44	114.52
CRMS 0224	92.99	31.57	41.93	48.03	37.30	44.33	53.05	98.95	153.84	170.14	189.61	141.04
CRMS 0163	73.03	29.24	27.10	26.28	24.34	30.40	62.27	79.76	66.57	51.80	36.93	32.85
CRMS 0162	64.30	28.46	26.33	33.33	26.73	30.44	23.82	50.54	155.61	29.69	36.69	21.52

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-37.31	-66.85	-50.36	-71.85	-86.25	-67.62	-24.30	-18.63	-40.59	-52.70	-67.42	-71.30
CRMS0276 - Just east of Wilkinson Canal	-34.02	-61.30	-21.30	-29.46	-47.91	-27.63	-27.28	-31.72	-19.79	-10.35	-4.26	-6.39
Barataria Waterway at Lafitte (USACE82875)	0.86	4.35	0.98	0.53	2.57	-0.71	-1.28	-4.64	-4.09	-1.91	0.70	-0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	-72.40	-125.84	-89.24	-105.57	-122.54	-84.78	-41.87	-34.53	-71.08	-97.01	-119.18	-122.53
USGS7380251 Barataria Bay North of Grand Isle	-6.16	-19.70	-10.80	-25.91	-33.22	-22.83	-7.46	-2.75	-3.69	-3.89	-9.81	-9.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-51.53	-150.92	-58.31	-87.67	-107.72	-65.52	-15.57	-25.11	-21.90	-20.11	-41.48	-58.92
USGS 07380335 - Little Lake Near Cutoff	-67.51	-220.67	-90.88	-111.70	-149.61	-82.25	-22.19	-27.49	-24.75	-20.00	-40.76	-65.17
USGS073802516 Barataria Pass at Grand Isle	-42.32	-170.35	-59.01	-105.96	-157.07	-82.50	-13.43	-15.73	-12.91	-8.45	-20.94	-44.85
HWQ14 - Lake Washington	-8.51	-39.51	-13.70	-41.13	-50.48	-37.69	-3.78	4.71	2.30	4.88	-3.42	-11.24
HWQ16 - Bayou Grand Liard	-31.18	-161.68	-79.37	-111.61	-166.22	-54.68	-9.22	-18.65	-21.59	-9.92	-8.56	-20.85
CRMS 3985	-0.99	-3.91	-3.21	-8.80	-11.78	-12.34	-6.20	-5.21	-2.92	-1.79	-0.83	-1.26
CRMS 0258	-82.88	-140.19	-119.84	-96.80	-98.90	-82.96	-60.60	-46.28	-50.43	-51.84	-52.30	-56.70
CRMS 0224	-72.09	-204.78	-108.80	-121.57	-135.77	-90.29	-40.92	-46.21	-46.35	-43.34	-66.08	-82.30
CRMS 0163	0.74	3.57	1.05	0.34	2.03	-1.83	-0.74	-5.84	-3.77	-2.38	0.26	-0.05
CRMS 0162	4.55	3.34	2.06	0.14	2.58	0.54	-0.02	-0.47	2.53	-0.48	1.56	-0.08

Figure WQ SO4 28 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.50	71.69	58.42	82.35	94.62	72.22	31.72	24.45	39.72	54.51	89.85	110.15
CRMS0276 - Just east of Wilkinson Canal	316.53	141.12	124.21	120.39	118.93	81.01	115.92	164.83	188.84	291.05	409.09	371.44
Barataria Waterway at Lafitte (USACE82875)	29.61	12.95	12.99	12.11	13.93	12.30	13.62	17.54	23.16	44.33	62.78	54.06
USGS2928590900040000 Barataria Waterway South of Lafitte	107.75	119.34	90.14	101.13	108.87	79.76	47.02	33.83	58.39	91.96	149.13	183.37
USGS7380251 Barataria Bay North of Grand Isle	25.36	29.93	31.16	55.26	70.21	48.98	20.05	17.63	16.26	22.33	41.45	33.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	130.12	141.26	97.22	135.65	143.23	99.59	42.11	95.36	75.95	108.24	200.11	171.21
USGS 07380335 - Little Lake Near Cutoff	233.72	203.98	143.47	170.13	174.35	123.65	73.90	160.86	125.06	190.41	302.45	283.01
USGS073802516 Barataria Pass at Grand Isle	171.98	188.78	133.68	193.74	213.91	163.66	89.54	173.29	107.88	160.62	226.21	230.43
HWQ14 - Lake Washington	41.46	53.20	47.69	90.03	109.16	81.03	29.80	42.13	36.89	44.60	66.13	55.18
HWQ16 - Bayou Grand Liard	498.29	347.90	335.20	346.90	313.56	247.39	308.77	370.94	349.92	463.19	573.28	531.30
CRMS 3985	16.29	16.23	16.37	31.95	45.31	37.71	16.01	14.14	13.99	15.59	20.43	19.69
CRMS 0258	162.74	130.62	75.18	83.54	81.18	48.59	34.96	32.41	91.74	176.37	249.92	271.58
CRMS 0224	183.95	190.63	121.97	137.09	141.89	99.39	61.54	81.29	115.08	160.96	254.17	264.33
CRMS 0163	23.51	11.94	13.15	12.58	14.48	12.55	13.80	17.34	24.22	41.30	64.36	43.54
CRMS 0162	19.23	13.23	15.52	18.18	16.98	15.35	14.13	16.55	28.92	26.09	71.04	25.80

V3PR7 HYST - cy 0 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.67	10.97	12.39	11.77	12.05	12.46	13.19	14.76	16.66	17.63	19.83	17.56
CRMS0276 - Just east of Wilkinson Canal	139.41	64.88	46.30	59.93	53.25	25.85	19.40	60.50	180.62	289.05	397.48	367.24
Barataria Waterway at Lafitte (USACE82875)	33.00	14.20	13.43	12.78	15.25	12.38	13.45	16.70	23.32	45.74	64.27	55.63
USGS2928590900040000 Barataria Waterway South of Lafitte	12.79	10.97	12.39	11.69	12.09	12.42	13.14	14.52	19.43	26.70	35.40	29.47
USGS7380251 Barataria Bay North of Grand Isle	13.33	11.02	12.09	11.43	11.94	11.87	12.39	13.02	11.34	15.05	29.41	22.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	14.72	11.01	12.35	11.58	12.05	12.22	12.86	19.26	42.21	74.49	157.53	101.40
USGS 07380335 - Little Lake Near Cutoff	20.78	11.25	13.01	11.90	12.44	12.07	12.62	31.52	86.91	157.70	260.02	207.65
USGS073802516 Barataria Pass at Grand Isle	22.99	12.75	13.58	13.29	15.33	11.92	11.47	36.65	69.96	132.88	200.77	177.95
HWQ14 - Lake Washington	16.33	11.52	10.73	10.85	12.82	10.73	10.06	11.67	21.64	33.02	59.43	41.32
HWQ16 - Bayou Grand Liard	216.47	69.00	88.94	66.17	75.85	70.31	112.71	223.11	323.04	451.17	562.95	504.85
CRMS 3985	14.01	11.29	11.46	11.08	11.62	11.13	11.41	11.48	9.86	10.92	17.19	17.67
CRMS 0258	21.09	11.22	12.38	11.85	12.85	11.88	12.58	15.03	54.40	137.16	179.16	173.44
CRMS 0224	20.03	11.19	12.59	11.72	12.88	11.80	12.43	17.17	65.84	122.18	183.88	160.92
CRMS 0163	26.13	12.63	13.48	13.27	15.43	12.49	13.83	17.20	24.42	42.89	67.10	43.88
CRMS 0162	22.64	14.52	17.47	20.44	18.57	16.76	14.55	16.69	30.06	26.58	73.94	26.19

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-44.83	-60.71	-46.03	-70.58	-82.56	-59.76	-18.53	-9.69	-23.07	-36.89	-70.01	-92.58
CRMS0276 - Just east of Wilkinson Canal	-177.11	-76.24	-77.91	-60.46	-65.68	-55.16	-96.52	-104.33	-8.22	-2.00	-11.61	-4.20
Barataria Waterway at Lafitte (USACE82875)	3.39	1.25	0.44	0.67	1.32	0.07	-0.16	-0.83	0.16	1.41	1.50	1.57
USGS2928590900040000 Barataria Waterway South of Lafitte	-94.96	-108.37	-77.75	-89.44	-96.78	-67.33	-33.87	-19.31	-38.95	-65.26	-113.72	-153.90
USGS7380251 Barataria Bay North of Grand Isle	-12.04	-18.91	-19.07	-43.84	-58.27	-37.11	-7.66	-4.61	-4.92	-7.28	-12.04	-11.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	-115.40	-130.25	-84.87	-124.07	-131.19	-87.37	-29.24	-76.11	-33.74	-33.76	-42.57	-69.81
USGS 07380335 - Little Lake Near Cutoff	-212.94	-192.73	-130.46	-158.23	-161.92	-111.57	-61.28	-129.35	-38.15	-32.71	-42.43	-75.36
USGS073802516 Barataria Pass at Grand Isle	-148.99	-176.03	-120.10	-180.45	-198.58	-151.74	-78.07	-136.63	-37.92	-27.74	-25.44	-52.49
HWQ14 - Lake Washington	-25.14	-41.68	-36.96	-79.18	-96.33	-70.30	-19.74	-30.46	-15.25	-11.57	-6.70	-13.86
HWQ16 - Bayou Grand Liard	-281.83	-278.91	-246.26	-280.74	-237.71	-177.08	-196.06	-147.83	-26.88	-12.02	-10.32	-26.45
CRMS 3985	-2.28	-4.94	-4.91	-20.88	-33.69	-26.58	-4.60	-2.66	-4.12	-4.67	-3.25	-2.02
CRMS 0258	-141.64	-119.39	-62.80	-71.69	-68.32	-36.71	-22.38	-17.37	-37.34	-39.21	-70.75	-98.14
CRMS 0224	-163.92	-179.43	-109.38	-125.36	-129.01	-87.59	-49.12	-64.12	-49.23	-38.78	-70.29	-103.41
CRMS 0163	2.61	0.69	0.33	0.68	0.94	-0.07	0.03	-0.14	0.21	1.59	2.74	0.35
CRMS 0162	3.41	1.29	1.95	2.26	1.59	1.41	0.42	0.14	1.15	0.49	2.90	0.40

Figure WQ SO4 29 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.00	86.19	63.44	85.02	90.13	61.66	37.63	32.15	46.49	53.29	91.89	101.81
CRMS0276 - Just east of Wilkinson Canal	256.32	346.87	206.73	105.96	63.12	42.05	99.11	179.57	209.60	329.11	438.12	232.20
Barataria Waterway at Lafitte (USACE82875)	45.91	55.50	20.19	11.76	11.70	11.39	12.72	19.84	27.04	60.55	65.68	23.20
USGS2928590900040000 Barataria Waterway South of Lafitte	96.15	142.51	115.59	104.53	98.14	59.99	49.18	45.34	71.39	92.79	154.15	179.43
USGS7380251 Barataria Bay North of Grand Isle	22.67	32.54	26.44	53.07	68.20	48.08	29.97	24.58	18.51	21.76	43.47	33.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	112.66	170.37	94.00	127.07	129.74	91.78	67.89	110.85	75.24	100.11	211.39	168.00
USGS 07380335 - Little Lake Near Cutoff	206.02	270.39	158.89	158.26	148.56	105.35	101.12	179.02	128.60	186.71	320.76	261.91
USGS073802516 Barataria Pass at Grand Isle	147.62	238.81	132.63	180.77	185.52	140.02	119.22	189.69	105.45	153.55	238.36	218.18
HWQ14 - Lake Washington	35.91	54.27	36.95	86.09	105.91	81.00	50.14	53.91	35.47	37.90	69.44	58.63
HWQ16 - Bayou Grand Liard	480.00	516.79	383.68	325.98	243.71	196.91	306.36	385.63	362.67	490.17	594.39	440.84
CRMS 3985	15.33	18.33	16.08	29.76	44.47	39.24	26.21	20.21	16.47	16.61	21.20	18.87
CRMS 0258	146.38	224.14	140.45	80.53	65.06	32.27	30.42	40.31	116.88	183.91	262.55	195.52
CRMS 0224	151.23	238.86	166.01	128.08	118.00	74.22	70.28	98.45	128.67	156.69	269.24	257.73
CRMS 0163	48.30	55.14	15.94	11.95	11.67	11.37	13.45	20.16	28.06	57.99	60.07	15.92
CRMS 0162	65.62	70.85	14.88	16.23	12.85	12.61	13.65	18.04	34.27	38.82	60.89	14.03

V3PR7 HYST - cy 0 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.28	18.30	11.93	11.36	11.48	11.50	13.06	15.65	17.39	18.86	19.45	11.98
CRMS0276 - Just east of Wilkinson Canal	182.13	327.93	117.80	48.95	22.05	15.15	17.27	108.28	206.97	325.54	426.33	131.89
Barataria Waterway at Lafitte (USACE82875)	43.19	56.21	22.07	12.12	11.81	11.38	12.38	19.00	27.24	62.01	67.14	26.76
USGS2928590900040000 Barataria Waterway South of Lafitte	15.31	26.99	12.21	11.36	11.47	11.47	13.01	15.65	23.91	29.51	35.05	12.02
USGS7380251 Barataria Bay North of Grand Isle	12.61	20.12	12.67	11.26	11.42	11.21	12.06	12.48	12.18	15.68	30.67	13.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	41.63	103.51	16.84	11.36	11.45	11.36	12.62	35.11	58.43	77.84	162.26	13.59
USGS 07380335 - Little Lake Near Cutoff	101.91	192.50	24.97	11.45	11.46	11.26	12.36	75.78	112.66	167.18	273.61	20.01
USGS073802516 Barataria Pass at Grand Isle	69.44	179.66	32.24	12.56	11.77	10.86	10.88	83.15	95.21	139.47	211.44	37.75
HWQ14 - Lake Washington	15.12	34.33	15.52	11.23	11.38	10.49	9.81	15.01	31.12	35.80	63.58	23.29
HWQ16 - Bayou Grand Liard	403.81	483.98	130.55	53.05	32.43	41.37	105.21	317.48	360.60	478.20	578.20	162.09
CRMS 3985	13.19	15.81	12.86	11.08	11.34	10.92	11.13	10.04	9.90	11.83	18.17	14.98
CRMS 0258	18.95	109.83	28.63	11.45	11.47	11.13	12.33	18.51	79.23	152.63	188.40	26.82
CRMS 0224	36.68	140.39	27.35	11.41	11.51	11.19	12.17	29.44	92.03	130.02	196.64	27.60
CRMS 0163	46.10	55.65	16.90	12.32	11.64	11.37	13.16	20.05	28.14	60.05	62.59	17.74
CRMS 0162	68.26	73.55	15.62	18.28	13.23	13.31	14.04	17.91	32.21	39.87	62.74	14.69

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-40.73	-67.89	-51.51	-73.66	-78.65	-50.16	-24.57	-16.50	-29.11	-34.42	-72.44	-89.83
CRMS0276 - Just east of Wilkinson Canal	-74.19	-18.94	-88.93	-57.01	-41.07	-26.90	-81.83	-71.29	-2.63	-3.57	-11.78	-100.31
Barataria Waterway at Lafitte (USACE82875)	-2.72	0.71	1.88	0.36	0.11	0.00	-0.33	-0.84	0.20	1.46	1.47	3.56
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.84	-115.53	-103.39	-93.17	-86.67	-48.52	-36.17	-29.69	-47.49	-63.28	-119.10	-167.41
USGS7380251 Barataria Bay North of Grand Isle	-10.05	-12.42	-13.77	-41.81	-56.78	-36.87	-17.91	-12.11	-6.33	-6.09	-12.80	-20.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	-71.03	-66.86	-77.16	-115.71	-118.29	-80.42	-55.27	-75.74	-16.81	-22.27	-49.14	-154.41
USGS 07380335 - Little Lake Near Cutoff	-104.10	-77.89	-133.92	-146.81	-137.11	-94.08	-88.75	-103.24	-15.94	-19.53	-47.15	-241.90
USGS073802516 Barataria Pass at Grand Isle	-78.17	-59.15	-100.39	-168.21	-173.75	-129.15	-108.34	-106.54	-10.24	-14.08	-26.92	-180.43
HWQ14 - Lake Washington	-20.78	-19.95	-21.43	-74.86	-94.53	-70.51	-40.33	-38.89	-4.35	-2.11	-5.86	-35.35
HWQ16 - Bayou Grand Liard	-76.19	-32.81	-253.13	-272.93	-211.28	-155.54	-201.16	-68.15	-2.07	-11.97	-16.19	-278.74
CRMS 3985	-2.14	-2.52	-3.21	-18.68	-33.13	-28.32	-15.08	-10.16	-6.58	-4.79	-3.03	-3.89
CRMS 0258	-127.43	-114.32	-111.82	-69.08	-53.59	-21.14	-18.09	-21.80	-37.66	-31.28	-74.15	-168.70
CRMS 0224	-114.55	-98.47	-138.66	-116.68	-106.49	-63.03	-58.11	-69.01	-36.64	-26.67	-72.60	-230.13
CRMS 0163	-2.20	0.51	0.96	0.37	-0.03	0.00	-0.29	-0.11	0.08	2.06	2.51	1.81
CRMS 0162	2.64	2.70	0.74	2.05	0.38	0.70	0.39	-0.14	-2.07	1.05	1.85	0.66

Figure WQ SO4 30 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.65	80.40	58.87	78.29	100.91	68.37	31.62	33.79	55.92	71.80	89.85	107.88
CRMS0276 - Just east of Wilkinson Canal	330.27	305.24	206.21	174.98	97.18	105.46	154.62	281.91	296.82	320.72	356.83	338.55
Barataria Waterway at Lafitte (USACE82875)	42.39	39.27	18.35	15.83	11.91	14.43	28.79	54.72	48.97	43.91	40.00	51.38
USGS2928590900040000 Barataria Waterway South of Lafitte	103.32	137.83	101.88	107.31	118.35	74.00	44.15	46.76	92.64	128.92	155.00	172.96
USGS7380251 Barataria Bay North of Grand Isle	24.59	31.33	25.29	42.04	67.45	45.06	20.01	18.08	18.87	24.03	40.43	31.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	126.21	160.11	94.74	126.56	142.10	94.01	46.01	126.34	104.20	118.91	189.45	159.57
USGS 07380335 - Little Lake Near Cutoff	232.18	251.65	158.29	175.74	170.40	119.87	93.48	247.26	178.11	212.82	284.70	262.03
USGS073802516 Barataria Pass at Grand Isle	166.18	223.34	135.48	191.21	207.81	160.63	106.47	233.77	146.37	172.50	214.53	217.51
HWQ14 - Lake Washington	39.11	52.28	37.26	71.82	106.84	75.64	29.35	38.78	42.44	45.62	63.39	53.30
HWQ16 - Bayou Grand Liard	514.90	481.75	395.57	385.82	288.33	267.63	392.83	519.52	450.46	484.58	539.42	512.85
CRMS 3985	16.34	17.89	15.43	23.01	39.92	34.57	17.15	15.94	16.08	16.88	19.99	19.12
CRMS 0258	163.76	178.70	104.01	103.15	85.72	44.38	42.85	64.79	165.27	234.73	247.68	273.39
CRMS 0224	176.86	227.47	149.59	153.20	144.90	93.38	62.83	125.27	171.98	208.98	250.83	244.86
CRMS 0163	36.13	37.94	18.02	16.21	11.74	14.73	40.69	57.61	48.46	38.45	40.05	46.32
CRMS 0162	53.63	59.87	22.60	22.85	14.21	18.27	20.83	25.26	98.49	24.26	39.04	25.55

V3PR8 HYST - cy 0 - 1970 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.13	0.83	0.02	0.00	0.00	0.00	0.76	0.73	1.14	1.60	2.63	1.43
CRMS0276 - Just east of Wilkinson Canal	213.25	281.52	124.17	121.95	34.38	33.52	91.14	256.83	327.82	357.47	380.56	365.21
Barataria Waterway at Lafitte (USACE82875)	150.65	166.05	113.38	81.59	50.71	35.36	46.47	108.78	142.99	148.30	152.88	163.24
USGS2928590900040000 Barataria Waterway South of Lafitte	2.16	3.72	0.01	0.00	0.00	0.01	0.40	2.87	15.70	17.22	20.96	13.32
USGS7380251 Barataria Bay North of Grand Isle	7.66	11.60	2.46	1.35	0.36	0.58	3.09	7.69	10.82	15.55	28.47	20.52
USGS73802515 Hackberry Bay Northwest of Grand Isle	23.06	46.33	1.08	0.55	0.09	0.17	9.46	88.70	76.79	83.90	149.01	90.24
USGS 07380335 - Little Lake Near Cutoff	68.79	94.85	4.66	2.27	0.37	0.65	38.62	208.19	167.55	188.55	251.50	193.28
USGS073802516 Barataria Pass at Grand Isle	51.31	98.84	17.15	10.77	4.00	5.08	52.77	206.79	135.20	154.61	191.71	167.71
HWQ14 - Lake Washington	17.55	24.04	9.84	7.23	3.98	2.76	4.18	26.92	35.54	35.59	54.07	36.20
HWQ16 - Bayou Grand Liard	372.93	376.76	179.23	114.06	42.22	100.25	335.97	507.95	452.28	484.13	531.11	497.16
CRMS 3985	13.12	15.26	8.78	5.65	1.88	2.08	4.05	5.83	12.70	16.12	21.46	18.46
CRMS 0258	28.30	40.17	2.02	2.84	1.03	1.52	6.30	21.38	126.26	190.00	186.65	170.32
CRMS 0224	29.44	64.83	2.30	3.58	0.22	0.24	7.05	67.52	139.22	158.61	183.42	143.24
CRMS 0163	50.34	47.30	30.65	25.77	16.91	18.21	37.79	57.16	41.50	39.03	48.29	60.73
CRMS 0162	56.45	62.96	29.58	29.18	18.91	22.83	21.68	25.80	102.40	25.21	39.64	25.56

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-55.52	-79.57	-58.85	-78.28	-100.91	-68.37	-30.86	-33.05	-54.78	-70.20	-87.22	-106.45
CRMS0276 - Just east of Wilkinson Canal	-117.02	-23.72	-82.04	-53.03	-62.80	-71.94	-63.48	-25.07	31.00	36.76	23.73	26.66
Barataria Waterway at Lafitte (USACE82875)	108.26	126.78	95.02	65.77	38.79	20.92	17.68	54.05	94.02	104.39	112.88	111.87
USGS2928590900040000 Barataria Waterway South of Lafitte	-101.16	-134.11	-101.87	-107.31	-118.35	-73.99	-43.75	-43.89	-76.94	-111.70	-134.04	-159.64
USGS7380251 Barataria Bay North of Grand Isle	-16.93	-19.72	-22.83	-40.69	-67.09	-44.48	-16.92	-10.39	-8.05	-8.48	-11.96	-11.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	-103.16	-113.78	-93.67	-126.01	-142.01	-93.83	-36.55	-37.63	-27.41	-35.01	-40.44	-69.33
USGS 07380335 - Little Lake Near Cutoff	-163.39	-156.80	-153.63	-173.48	-170.04	-119.22	-54.86	-39.06	-10.56	-24.28	-33.20	-68.75
USGS073802516 Barataria Pass at Grand Isle	-114.87	-124.50	-118.33	-180.44	-203.81	-155.55	-53.69	-26.98	-11.17	-17.89	-22.82	-49.79
HWQ14 - Lake Washington	-21.56	-28.23	-27.42	-64.60	-102.86	-72.87	-25.17	-11.87	-6.91	-10.03	-9.32	-17.10
HWQ16 - Bayou Grand Liard	-141.97	-104.99	-216.34	-271.76	-246.11	-167.38	-56.86	-11.57	1.82	-0.46	-8.31	-15.69
CRMS 3985	-3.22	-2.63	-6.65	-17.35	-38.04	-32.50	-13.10	-10.11	-3.38	-0.76	1.47	-0.65
CRMS 0258	-135.46	-138.53	-101.99	-100.31	-84.69	-42.86	-36.55	-43.41	-39.01	-44.73	-61.04	-103.07
CRMS 0224	-147.42	-162.64	-147.29	-149.62	-144.68	-93.14	-55.78	-57.74	-32.76	-50.37	-67.41	-101.62
CRMS 0163	14.21	9.36	12.63	9.55	5.17	3.48	-2.89	-0.44	-6.96	0.58	8.23	14.41
CRMS 0162	2.82	3.09	6.98	6.33	4.70	4.56	0.85	0.54	3.91	0.95	0.61	0.00

Figure WQ SO4 31 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.34	69.68	56.34	70.82	79.17	56.01	41.93	38.55	54.88	66.41	99.35	106.85
CRMS0276 - Just east of Wilkinson Canal	280.41	175.52	93.27	93.56	61.33	107.64	186.98	252.19	276.55	390.21	435.61	300.39
Barataria Waterway at Lafitte (USACE82875)	36.31	15.14	11.08	11.26	11.11	16.90	22.65	33.55	39.79	80.62	58.93	31.97
USGS2928590900040000 Barataria Waterway South of Lafitte	98.27	117.72	89.24	82.31	85.31	56.97	53.77	53.71	91.26	118.33	168.69	191.87
USGS7380251 Barataria Bay North of Grand Isle	23.80	29.43	28.38	49.38	61.44	44.05	30.76	22.99	18.78	24.33	44.03	35.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	118.28	145.26	89.91	114.03	117.29	88.08	83.38	124.54	90.87	120.55	215.81	171.84
USGS 07380335 - Little Lake Near Cutoff	215.80	216.33	131.78	141.45	136.19	112.60	141.81	221.16	158.96	222.19	325.72	273.20
USGS073802516 Barataria Pass at Grand Isle	157.20	197.94	123.09	166.12	171.61	155.64	155.84	215.56	126.70	181.30	240.82	225.85
HWQ14 - Lake Washington	38.10	51.87	43.88	80.39	97.76	73.62	50.08	48.36	37.53	44.68	69.26	58.72
HWQ16 - Bayou Grand Liard	492.54	381.83	297.85	305.08	236.94	277.88	407.13	464.70	425.36	532.04	591.36	487.98
CRMS 3985	15.91	16.23	15.49	29.93	41.42	36.19	24.97	17.87	16.54	17.65	21.34	19.62
CRMS 0258	137.49	128.75	77.56	61.90	55.40	37.38	50.19	71.42	158.36	234.88	297.32	223.47
CRMS 0224	162.04	196.56	119.68	107.05	104.69	76.47	91.79	122.38	165.16	196.27	283.84	269.71
CRMS 0163	35.52	13.93	10.83	11.25	11.08	18.22	25.21	36.49	39.65	72.16	55.43	25.47
CRMS 0162	27.19	15.42	12.10	14.29	12.73	21.02	18.46	24.18	63.80	68.55	55.10	19.15

V3PR8 HYST - cy 0 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.83	0.00	0.00	0.00	0.00	0.20	1.01	0.53	1.14	1.52	2.95	0.55
CRMS0276 - Just east of Wilkinson Canal	181.50	94.67	22.82	42.78	15.59	71.08	148.54	235.54	312.70	423.97	462.57	298.28
Barataria Waterway at Lafitte (USACE82875)	124.11	109.07	42.75	30.31	23.91	30.94	58.39	96.64	124.16	198.32	219.87	163.67
USGS2928590900040000 Barataria Waterway South of Lafitte	3.79	0.00	0.00	0.00	0.00	0.22	0.75	2.72	15.92	16.04	21.86	10.77
USGS7380251 Barataria Bay North of Grand Isle	9.20	0.83	0.39	0.36	0.20	1.99	4.99	7.93	10.43	15.86	32.04	14.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.86	0.13	0.05	0.08	0.04	4.52	20.87	80.65	75.39	84.89	170.21	51.38
USGS 07380335 - Little Lake Near Cutoff	33.78	1.05	0.28	0.24	0.15	13.82	67.99	183.06	160.18	196.51	288.47	112.39
USGS073802516 Barataria Pass at Grand Isle	34.00	7.07	2.48	2.05	1.55	34.30	85.75	186.51	132.26	158.86	215.78	104.97
HWQ14 - Lake Washington	15.00	5.51	3.30	2.54	1.82	2.62	7.26	28.51	36.73	35.13	59.60	32.53
HWQ16 - Bayou Grand Liard	355.31	97.05	33.18	33.76	24.07	187.00	374.23	456.76	435.96	532.82	585.29	374.55
CRMS 3985	13.00	4.13	2.18	1.98	1.09	2.45	4.52	6.02	12.21	16.90	23.14	16.41
CRMS 0258	12.73	0.97	0.54	0.85	0.81	5.50	11.38	21.18	121.11	197.87	217.27	98.59
CRMS 0224	16.32	0.63	0.07	0.11	0.08	2.73	20.73	63.16	135.30	155.84	205.06	102.51
CRMS 0163	45.17	21.04	14.29	14.46	13.64	18.29	27.17	38.86	32.78	67.87	70.42	40.41
CRMS 0162	33.52	21.50	15.29	19.15	16.11	23.75	18.73	23.59	60.19	72.18	51.48	21.25

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-52.51	-69.68	-56.34	-70.82	-79.17	-55.80	-40.92	-38.02	-53.74	-64.89	-96.40	-106.30
CRMS0276 - Just east of Wilkinson Canal	-98.91	-80.85	-70.45	-50.78	-45.74	-36.56	-38.44	-16.65	36.15	33.76	26.97	-2.11
Barataria Waterway at Lafitte (USACE82875)	87.81	93.92	31.67	19.05	12.80	14.04	35.73	63.09	84.37	117.70	160.95	131.70
USGS2928590900040000 Barataria Waterway South of Lafitte	-94.48	-117.72	-89.24	-82.31	-85.30	-56.75	-53.02	-50.99	-75.34	-102.29	-146.83	-181.11
USGS7380251 Barataria Bay North of Grand Isle	-14.60	-28.60	-27.99	-49.03	-61.25	-42.06	-25.77	-15.07	-8.35	-8.47	-11.99	-21.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	-104.42	-145.13	-89.86	-113.95	-117.25	-83.57	-62.51	-43.89	-15.48	-35.66	-45.60	-120.46
USGS 07380335 - Little Lake Near Cutoff	-182.02	-215.28	-131.50	-141.21	-136.04	-98.78	-73.82	-38.10	1.22	-25.68	-37.25	-160.80
USGS073802516 Barataria Pass at Grand Isle	-123.20	-190.87	-120.61	-164.07	-170.07	-121.34	-70.09	-29.05	5.56	-22.44	-25.05	-120.88
HWQ14 - Lake Washington	-23.10	-46.36	-40.58	-77.85	-95.94	-71.00	-42.82	-19.85	-0.80	-9.55	-9.65	-26.19
HWQ16 - Bayou Grand Liard	-137.22	-284.79	-264.67	-271.31	-212.87	-90.88	-32.90	-7.94	10.60	0.78	-6.06	-113.43
CRMS 3985	-2.91	-12.10	-13.31	-27.95	-40.33	-33.74	-20.45	-11.85	-4.33	-0.75	1.79	-3.21
CRMS 0258	-124.76	-127.78	-77.02	-61.05	-54.59	-31.88	-38.80	-50.24	-37.25	-37.01	-80.04	-124.88
CRMS 0224	-145.72	-195.94	-119.61	-106.94	-104.61	-73.74	-71.06	-59.22	-29.87	-40.43	-78.78	-167.20
CRMS 0163	9.65	7.10	3.46	3.21	2.55	0.07	1.96	2.36	-6.87	-4.29	14.99	14.94
CRMS 0162	6.33	6.08	3.18	4.86	3.37	2.73	0.27	-0.59	-3.61	3.64	-3.61	2.10

Figure WQ SO4 32 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.99	81.25	65.97	87.34	100.80	84.64	42.89	38.41	61.14	71.23	84.60	87.72
CRMS0276 - Just east of Wilkinson Canal	348.67	247.57	246.44	221.94	204.53	219.07	249.75	332.51	352.52	353.55	353.16	291.25
Barataria Waterway at Lafitte (USACE82875)	82.83	27.93	26.95	22.27	20.65	30.35	52.45	78.64	75.36	59.67	39.29	37.43
USGS2928590900040000 Barataria Waterway South of Lafitte	94.26	140.00	104.99	122.16	136.89	101.28	60.02	56.22	105.41	131.89	155.36	150.72
USGS7380251 Barataria Bay North of Grand Isle	23.35	33.63	24.82	41.43	49.18	37.34	21.18	19.40	19.11	23.32	39.55	30.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.67	169.95	92.21	133.12	126.92	103.98	66.93	144.73	111.21	116.95	191.40	146.57
USGS 07380335 - Little Lake Near Cutoff	239.22	255.76	159.52	192.68	177.27	151.18	145.77	278.89	199.83	216.03	287.90	241.11
USGS073802516 Barataria Pass at Grand Isle	168.28	228.37	134.28	202.97	216.25	205.71	154.04	261.69	157.74	173.92	213.91	201.45
HWQ14 - Lake Washington	36.76	58.43	35.00	71.08	81.68	72.21	32.46	42.83	41.55	41.79	62.60	50.71
HWQ16 - Bayou Grand Liard	550.52	448.04	423.11	425.39	376.01	383.28	494.80	565.78	494.12	507.08	534.03	475.51
CRMS 3985	16.74	18.12	15.85	21.79	27.11	25.84	17.83	16.52	16.90	17.22	19.85	18.35
CRMS 0258	163.52	162.02	152.00	132.50	124.33	121.12	87.21	86.01	192.45	263.46	215.73	171.22
CRMS 0224	165.08	236.36	150.73	169.59	173.07	134.62	93.97	145.16	200.19	213.47	255.69	223.34
CRMS 0163	72.29	25.66	26.05	25.95	22.31	32.23	63.01	85.60	70.34	54.18	36.66	32.89
CRMS 0162	59.75	25.13	24.27	33.19	24.15	29.90	23.84	51.02	153.08	30.17	35.13	21.60

V3PR8 HYST - cy 0 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.60	14.40	15.61	15.43	14.55	17.02	18.58	19.75	20.47	18.36	17.03	16.33
CRMS0276 - Just east of Wilkinson Canal	337.44	210.28	246.99	230.73	176.43	209.20	231.09	313.48	374.45	389.28	383.51	327.50
Barataria Waterway at Lafitte (USACE82875)	174.79	160.84	116.34	93.88	97.45	94.67	122.46	170.88	196.39	179.03	164.42	141.82
USGS2928590900040000 Barataria Waterway South of Lafitte	21.38	14.15	15.65	16.55	14.33	16.22	18.10	21.47	33.55	33.20	34.79	27.36
USGS7380251 Barataria Bay North of Grand Isle	16.59	13.81	13.83	14.83	15.54	14.04	13.14	15.71	14.85	18.67	27.80	19.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	73.61	18.41	32.86	43.37	19.16	38.71	49.82	114.24	89.14	98.18	151.42	85.66
USGS 07380335 - Little Lake Near Cutoff	176.76	33.10	67.56	80.35	27.25	70.88	122.71	248.96	184.55	208.07	254.17	178.54
USGS073802516 Barataria Pass at Grand Isle	124.53	54.95	73.34	95.94	58.82	126.07	139.51	242.76	148.61	170.10	192.71	157.59
HWQ14 - Lake Washington	24.38	17.62	19.28	27.31	27.02	29.90	23.62	41.22	38.15	40.47	52.62	33.82
HWQ16 - Bayou Grand Liard	533.95	290.85	352.36	326.17	219.29	330.05	478.87	551.49	495.75	513.19	530.60	463.70
CRMS 3985	15.45	14.05	12.50	12.53	14.66	12.97	11.20	10.81	13.41	14.80	17.60	16.39
CRMS 0258	80.33	21.44	31.56	38.57	25.27	36.63	25.37	38.56	146.26	217.20	165.48	113.30
CRMS 0224	93.47	30.95	40.89	49.28	37.34	43.68	51.82	97.35	158.60	174.40	190.85	140.33
CRMS 0163	82.98	36.34	39.08	33.75	33.35	35.67	69.01	88.52	58.24	50.33	45.49	42.19
CRMS 0162	65.69	30.02	27.13	35.61	25.92	30.96	23.90	54.28	145.62	31.28	36.41	21.62

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-37.39	-66.85	-50.37	-71.91	-86.25	-67.63	-24.31	-18.66	-40.68	-52.87	-67.56	-71.39
CRMS0276 - Just east of Wilkinson Canal	-11.23	-37.29	0.54	8.79	-28.10	-9.87	-18.66	-19.03	21.92	35.73	30.35	36.25
Barataria Waterway at Lafitte (USACE82875)	91.96	132.91	89.38	71.62	76.80	64.31	70.01	92.24	121.03	119.36	125.13	104.39
USGS2928590900040000 Barataria Waterway South of Lafitte	-72.88	-125.85	-89.34	-105.61	-122.56	-85.06	-41.92	-34.75	-71.86	-98.69	-120.57	-123.36
USGS7380251 Barataria Bay North of Grand Isle	-6.76	-19.82	-10.99	-26.60	-33.64	-23.29	-8.04	-3.69	-4.26	-4.65	-11.75	-10.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	-52.06	-151.54	-59.35	-89.75	-107.76	-65.26	-17.11	-30.49	-22.08	-18.77	-39.98	-60.90
USGS 07380335 - Little Lake Near Cutoff	-62.46	-222.66	-91.95	-112.33	-150.02	-80.30	-23.06	-29.93	-15.28	-7.96	-33.74	-62.57
USGS073802516 Barataria Pass at Grand Isle	-43.75	-173.42	-60.94	-107.02	-157.43	-79.64	-14.53	-18.93	-9.13	-3.82	-21.20	-43.86
HWQ14 - Lake Washington	-12.39	-40.81	-15.72	-43.77	-54.67	-42.31	-8.84	-1.60	-3.40	-1.32	-9.98	-16.89
HWQ16 - Bayou Grand Liard	-16.57	-157.19	-70.75	-99.22	-156.72	-53.22	-15.93	-14.29	1.63	6.11	-3.43	-11.81
CRMS 3985	-1.29	-4.07	-3.34	-9.26	-12.44	-12.86	-6.63	-5.71	-3.49	-2.42	-2.25	-1.96
CRMS 0258	-83.19	-140.58	-120.44	-93.93	-99.06	-84.49	-61.84	-47.44	-46.19	-46.25	-50.26	-57.93
CRMS 0224	-71.61	-205.41	-109.84	-120.32	-135.73	-90.94	-42.15	-47.81	-41.59	-39.07	-64.84	-83.01
CRMS 0163	10.70	10.67	13.03	7.81	11.03	3.44	6.01	2.91	-12.11	-3.85	8.83	9.29
CRMS 0162	5.94	4.89	2.87	2.42	1.77	1.06	0.06	3.26	-7.46	1.11	1.28	0.02

Figure WQ SO4 33 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.50	71.69	58.42	82.35	94.62	72.22	31.72	24.45	39.72	54.51	89.85	110.15
CRMS0276 - Just east of Wilkinson Canal	316.53	141.12	124.21	120.39	118.93	81.01	115.92	164.83	188.84	291.05	409.09	371.44
Barataria Waterway at Lafitte (USACE82875)	29.61	12.95	12.99	12.11	13.93	12.30	13.62	17.54	23.16	44.33	62.78	54.06
USGS2928590900040000 Barataria Waterway South of Lafitte	107.75	119.34	90.14	101.13	108.87	79.76	47.02	33.83	58.39	91.96	149.13	183.37
USGS7380251 Barataria Bay North of Grand Isle	25.36	29.93	31.16	55.26	70.21	48.98	20.05	17.63	16.26	22.33	41.45	33.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	130.12	141.26	97.22	135.65	143.23	99.59	42.11	95.36	75.95	108.24	200.11	171.21
USGS 07380335 - Little Lake Near Cutoff	233.72	203.98	143.47	170.13	174.35	123.65	73.90	160.86	125.06	190.41	302.45	283.01
USGS073802516 Barataria Pass at Grand Isle	171.98	188.78	133.68	193.74	213.91	163.66	89.54	173.29	107.88	160.62	226.21	230.43
HWQ14 - Lake Washington	41.46	53.20	47.69	90.03	109.16	81.03	29.80	42.13	36.89	44.60	66.13	55.18
HWQ16 - Bayou Grand Liard	498.29	347.90	335.20	346.90	313.56	247.39	308.77	370.94	349.92	463.19	573.28	531.30
CRMS 3985	16.29	16.23	16.37	31.95	45.31	37.71	16.01	14.14	13.99	15.59	20.43	19.69
CRMS 0258	162.74	130.62	75.18	83.54	81.18	48.59	34.96	32.41	91.74	176.37	249.92	271.58
CRMS 0224	183.95	190.63	121.97	137.09	141.89	99.39	61.54	81.29	115.08	160.96	254.17	264.33
CRMS 0163	23.51	11.94	13.15	12.58	14.48	12.55	13.80	17.34	24.22	41.30	64.36	43.54
CRMS 0162	19.23	13.23	15.52	18.18	16.98	15.35	14.13	16.55	28.92	26.09	71.04	25.80

V3PR8 HYST - cy 0 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.67	10.97	12.39	11.77	12.06	12.46	13.19	14.76	16.65	17.55	19.70	17.47
CRMS0276 - Just east of Wilkinson Canal	150.35	71.19	51.57	72.47	62.27	29.09	20.56	67.67	209.14	324.54	429.47	405.54
Barataria Waterway at Lafitte (USACE82875)	131.00	75.52	40.23	40.80	49.03	29.02	25.61	34.20	65.75	123.48	187.50	198.73
USGS2928590900040000 Barataria Waterway South of Lafitte	12.78	10.97	12.39	11.69	12.09	12.42	13.14	14.52	19.62	26.40	34.54	28.58
USGS7380251 Barataria Bay North of Grand Isle	13.25	11.01	12.09	11.43	11.92	11.86	12.37	13.05	11.22	14.60	26.94	20.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	14.74	11.01	12.35	11.60	12.06	12.24	12.91	19.55	42.78	77.54	154.58	100.36
USGS 07380335 - Little Lake Near Cutoff	21.33	11.20	12.86	11.85	12.46	12.07	12.64	33.12	94.78	169.34	262.27	210.78
USGS073802516 Barataria Pass at Grand Isle	22.76	12.63	13.65	13.51	15.56	11.86	11.48	38.00	74.28	139.36	196.13	177.70
HWQ14 - Lake Washington	15.46	11.41	10.75	10.83	12.65	10.62	10.09	11.74	20.42	30.41	51.45	35.96
HWQ16 - Bayou Grand Liard	221.05	70.30	91.92	70.96	81.77	74.44	115.77	232.18	335.02	466.62	565.40	512.91
CRMS 3985	13.86	11.28	11.46	11.06	11.60	11.11	11.40	11.48	9.80	10.70	15.91	17.04
CRMS 0258	20.66	11.20	12.38	11.81	12.84	11.88	12.60	15.18	58.17	144.69	187.14	171.70
CRMS 0224	19.86	11.16	12.52	11.71	12.90	11.81	12.45	17.51	70.18	128.56	187.61	159.49
CRMS 0163	34.72	14.17	15.20	14.37	17.87	13.47	14.56	17.46	20.53	39.51	77.82	60.41
CRMS 0162	23.82	14.71	18.77	21.33	19.34	16.81	14.69	16.59	28.92	26.98	72.74	26.09

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-44.83	-60.71	-46.03	-70.58	-82.56	-59.76	-18.53	-9.69	-23.07	-36.96	-70.15	-92.68
CRMS0276 - Just east of Wilkinson Canal	-166.18	-69.93	-72.64	-47.92	-56.66	-51.92	-95.36	-97.16	20.30	33.49	20.38	34.10
Barataria Waterway at Lafitte (USACE82875)	101.39	62.57	27.23	28.69	35.10	16.71	11.99	16.67	42.59	79.15	124.72	144.67
USGS2928590900040000 Barataria Waterway South of Lafitte	-94.97	-108.37	-77.75	-89.44	-96.78	-67.33	-33.87	-19.31	-38.77	-65.56	-114.59	-154.79
USGS7380251 Barataria Bay North of Grand Isle	-12.11	-18.91	-19.07	-43.83	-58.29	-37.12	-7.68	-4.59	-5.04	-7.73	-14.51	-12.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	-115.38	-130.25	-84.87	-124.05	-131.17	-87.35	-29.19	-75.81	-33.18	-30.70	-45.52	-70.85
USGS 07380335 - Little Lake Near Cutoff	-212.39	-192.78	-130.61	-158.28	-161.90	-111.57	-61.26	-127.75	-30.28	-21.07	-40.18	-72.24
USGS073802516 Barataria Pass at Grand Isle	-149.22	-176.15	-120.03	-180.23	-198.34	-151.79	-78.06	-135.29	-33.60	-21.26	-30.08	-52.73
HWQ14 - Lake Washington	-26.00	-41.79	-36.94	-79.20	-96.51	-70.42	-19.71	-30.39	-16.47	-14.19	-14.68	-19.22
HWQ16 - Bayou Grand Liard	-277.24	-277.60	-243.28	-275.95	-231.78	-172.95	-192.99	-138.76	-14.90	3.44	-7.88	-18.39
CRMS 3985	-2.44	-4.95	-4.91	-20.89	-33.71	-26.60	-4.61	-2.66	-4.19	-4.89	-4.52	-2.65
CRMS 0258	-142.08	-119.41	-62.79	-71.73	-68.33	-36.70	-22.37	-17.23	-33.57	-31.68	-62.78	-99.88
CRMS 0224	-164.09	-179.47	-109.45	-125.38	-128.99	-87.58	-49.09	-63.78	-44.90	-32.41	-66.56	-104.84
CRMS 0163	11.21	2.23	2.05	1.78	3.39	0.92	0.77	0.12	-3.69	-1.79	13.46	16.87
CRMS 0162	4.59	1.48	3.24	3.16	2.37	1.46	0.57	0.05	0.00	0.89	1.70	0.29

Figure WQ SO4 34 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.00	86.19	63.44	85.02	90.13	61.66	37.63	32.15	46.49	53.29	91.89	101.81
CRMS0276 - Just east of Wilkinson Canal	256.32	346.87	206.73	105.96	63.12	42.05	99.11	179.57	209.60	329.11	438.12	232.20
Barataria Waterway at Lafitte (USACE82875)	45.91	55.50	20.19	11.76	11.70	11.39	12.72	19.84	27.04	60.55	65.68	23.20
USGS2928590900040000 Barataria Waterway South of Lafitte	96.15	142.51	115.59	104.53	98.14	59.99	49.18	45.34	71.39	92.79	154.15	179.43
USGS7380251 Barataria Bay North of Grand Isle	22.67	32.54	26.44	53.07	68.20	48.08	29.97	24.58	18.51	21.76	43.47	33.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	112.66	170.37	94.00	127.07	129.74	91.78	67.89	110.85	75.24	100.11	211.39	168.00
USGS 07380335 - Little Lake Near Cutoff	206.02	270.39	158.89	158.26	148.56	105.35	101.12	179.02	128.60	186.71	320.76	261.91
USGS073802516 Barataria Pass at Grand Isle	147.62	238.81	132.63	180.77	185.52	140.02	119.22	189.69	105.45	153.55	238.36	218.18
HWQ14 - Lake Washington	35.91	54.27	36.95	86.09	105.91	81.00	50.14	53.91	35.47	37.90	69.44	58.63
HWQ16 - Bayou Grand Liard	480.00	516.79	383.68	325.98	243.71	196.91	306.36	385.63	362.67	490.17	594.39	440.84
CRMS 3985	15.33	18.33	16.08	29.76	44.47	39.24	26.21	20.21	16.47	16.61	21.20	18.87
CRMS 0258	146.38	224.14	140.45	80.53	65.06	32.27	30.42	40.31	116.88	183.91	262.55	195.52
CRMS 0224	151.23	238.86	166.01	128.08	118.00	74.22	70.28	98.45	128.67	156.69	269.24	257.73
CRMS 0163	48.30	55.14	15.94	11.95	11.67	11.37	13.45	20.16	28.06	57.99	60.07	15.92
CRMS 0162	65.62	70.85	14.88	16.23	12.85	12.61	13.65	18.04	34.27	38.82	60.89	14.03

V3PR8 HYST - cy 0 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.27	18.16	11.93	11.36	11.47	11.50	13.06	15.65	17.36	18.64	19.35	11.98
CRMS0276 - Just east of Wilkinson Canal	189.17	354.74	128.89	59.51	25.32	16.59	18.49	118.57	237.85	356.68	459.42	153.65
Barataria Waterway at Lafitte (USACE82875)	96.16	182.03	125.60	41.80	26.18	14.67	16.52	38.62	79.05	148.87	216.85	151.83
USGS2928590900040000 Barataria Waterway South of Lafitte	15.24	26.02	12.17	11.36	11.46	11.47	13.01	15.64	23.66	28.16	34.11	12.02
USGS7380251 Barataria Bay North of Grand Isle	12.49	18.93	12.53	11.25	11.42	11.21	12.03	12.42	11.82	14.27	29.19	13.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	39.47	100.43	16.36	11.36	11.45	11.37	12.69	35.55	58.54	74.58	162.86	13.29
USGS 07380335 - Little Lake Near Cutoff	101.16	192.15	24.50	11.45	11.45	11.26	12.37	79.87	122.47	168.65	280.96	19.57
USGS073802516 Barataria Pass at Grand Isle	67.02	177.33	32.06	12.64	11.74	10.85	10.88	85.67	99.41	137.15	212.45	35.40
HWQ14 - Lake Washington	14.07	31.09	14.92	11.14	11.29	10.47	9.87	14.67	28.13	29.63	57.68	20.95
HWQ16 - Bayou Grand Liard	411.39	487.88	131.65	57.12	32.89	43.80	108.46	324.53	371.64	487.75	585.39	173.56
CRMS 3985	13.09	15.27	12.76	11.07	11.34	10.91	11.13	9.98	9.68	11.53	16.87	14.49
CRMS 0258	18.59	109.50	28.35	11.47	11.46	11.14	12.35	18.34	82.96	157.91	191.70	26.02
CRMS 0224	35.80	140.74	27.15	11.41	11.49	11.20	12.20	30.00	96.31	131.78	199.51	27.15
CRMS 0163	52.09	61.13	23.22	13.97	12.02	11.40	13.36	19.29	23.00	54.25	76.47	26.43
CRMS 0162	68.38	71.93	15.99	19.51	13.33	13.22	14.10	17.95	31.35	39.26	63.05	14.95

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-40.74	-68.03	-51.51	-73.66	-78.65	-50.16	-24.57	-16.50	-29.13	-34.64	-72.55	-89.83
CRMS0276 - Just east of Wilkinson Canal	-67.15	7.87	-77.85	-46.45	-37.80	-25.46	-80.62	-61.00	28.26	27.57	21.30	-78.56
Barataria Waterway at Lafitte (USACE82875)	50.25	126.53	105.41	30.05	14.48	3.29	3.80	18.78	52.01	88.32	151.17	128.63
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.92	-116.50	-103.42	-93.17	-86.68	-48.52	-36.17	-29.70	-47.74	-64.63	-120.04	-167.41
USGS7380251 Barataria Bay North of Grand Isle	-10.17	-13.61	-13.91	-41.82	-56.78	-36.87	-17.94	-12.16	-6.69	-7.50	-14.28	-20.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	-73.20	-69.93	-77.64	-115.71	-118.30	-80.41	-55.21	-75.30	-16.70	-25.53	-48.54	-154.70
USGS 07380335 - Little Lake Near Cutoff	-104.86	-78.25	-134.39	-146.81	-137.11	-94.08	-88.75	-99.16	-6.12	-18.07	-39.80	-242.34
USGS073802516 Barataria Pass at Grand Isle	-80.59	-61.48	-100.57	-168.13	-173.78	-129.17	-108.35	-104.02	-6.04	-16.40	-25.91	-182.78
HWQ14 - Lake Washington	-21.84	-23.18	-22.03	-74.95	-94.62	-70.53	-40.27	-39.24	-7.34	-8.28	-11.76	-37.69
HWQ16 - Bayou Grand Liard	-68.61	-28.91	-252.03	-268.87	-210.82	-153.11	-197.91	-61.10	8.97	-2.41	-9.00	-267.28
CRMS 3985	-2.24	-3.06	-3.31	-18.69	-33.13	-28.32	-15.09	-10.22	-6.80	-5.09	-4.33	-4.38
CRMS 0258	-127.78	-114.64	-112.09	-69.06	-53.60	-21.13	-18.07	-21.97	-33.92	-26.00	-70.85	-169.51
CRMS 0224	-115.43	-98.13	-138.87	-116.67	-106.50	-63.02	-58.09	-68.45	-32.36	-24.91	-69.74	-230.58
CRMS 0163	3.79	5.99	7.27	2.02	0.35	0.03	-0.09	-0.87	-5.06	-3.74	16.40	10.51
CRMS 0162	2.77	1.08	1.11	3.28	0.48	0.61	0.45	-0.09	-2.92	0.44	2.16	0.92

Figure WQ SO4 35 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 0 - 1970 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	56.65	80.40	58.87	78.29	100.91	68.37	31.62	33.79	55.92	71.80	89.85	107.88
CRMS0276 - Just east of Wilkinson Canal	330.27	305.24	206.21	174.98	97.18	105.46	154.62	281.91	296.82	320.72	356.83	338.55
Barataria Waterway at Lafitte (USACE82875)	42.39	39.27	18.35	15.83	11.91	14.43	28.79	54.72	48.97	43.91	40.00	51.38
USGS2928590900040000 Barataria Waterway South of Lafitte	103.32	137.83	101.88	107.31	118.35	74.00	44.15	46.76	92.64	128.92	155.00	172.96
USGS7380251 Barataria Bay North of Grand Isle	24.59	31.33	25.29	42.04	67.45	45.06	20.01	18.08	18.87	24.03	40.43	31.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	126.21	160.11	94.74	126.56	142.10	94.01	46.01	126.34	104.20	118.91	189.45	159.57
USGS 07380335 - Little Lake Near Cutoff	232.18	251.65	158.29	175.74	170.40	119.87	93.48	247.26	178.11	212.82	284.70	262.03
USGS073802516 Barataria Pass at Grand Isle	166.18	223.34	135.48	191.21	207.81	160.63	106.47	233.77	146.37	172.50	214.53	217.51
HWQ14 - Lake Washington	39.11	52.28	37.26	71.82	106.84	75.64	29.35	38.78	42.44	45.62	63.39	53.30
HWQ16 - Bayou Grand Liard	514.90	481.75	395.57	385.82	288.33	267.63	392.83	519.52	450.46	484.58	539.42	512.85
CRMS 3985	16.34	17.89	15.43	23.01	39.92	34.57	17.15	15.94	16.08	16.88	19.99	19.12
CRMS 0258	163.76	178.70	104.01	103.15	85.72	44.38	42.85	64.79	165.27	234.73	247.68	273.39
CRMS 0224	176.86	227.47	149.59	153.20	144.90	93.38	62.83	125.27	171.98	208.98	250.83	244.86
CRMS 0163	36.13	37.94	18.02	16.21	11.74	14.73	40.69	57.61	48.46	38.45	40.05	46.32
CRMS 0162	53.63	59.87	22.60	22.85	14.21	18.27	20.83	25.26	98.49	24.26	39.04	25.55

V3PR9 HYST - cy 0 - 1970 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	52.33	76.18	54.50	72.18	91.03	69.57	41.33	39.50	57.49	62.53	83.95	101.17
CRMS0276 - Just east of Wilkinson Canal	355.51	345.54	250.06	223.15	137.02	133.52	201.85	316.22	342.56	362.07	384.22	374.83
Barataria Waterway at Lafitte (USACE82875)	149.45	174.10	103.82	72.45	40.84	33.27	59.19	132.00	152.46	151.76	151.89	161.03
USGS2928590900040000 Barataria Waterway South of Lafitte	97.76	135.85	99.18	107.47	122.57	82.42	57.13	55.55	101.34	120.74	150.73	168.99
USGS7380251 Barataria Bay North of Grand Isle	22.48	28.93	21.87	32.60	46.15	38.88	25.40	20.77	17.87	20.83	36.99	29.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.30	161.66	85.40	116.43	124.08	100.30	82.01	146.16	99.60	101.92	190.80	156.79
USGS 07380335 - Little Lake Near Cutoff	237.99	260.21	151.18	175.77	164.35	132.63	145.36	276.48	184.54	198.23	291.58	266.20
USGS073802516 Barataria Pass at Grand Isle	165.43	226.74	126.67	184.23	195.06	178.07	156.33	256.59	140.63	153.03	212.15	216.11
HWQ14 - Lake Washington	32.65	47.17	30.07	56.38	76.26	65.71	40.58	42.97	34.03	31.34	56.16	45.04
HWQ16 - Bayou Grand Liard	527.05	493.02	403.25	400.97	309.16	298.15	429.40	542.37	462.27	489.79	537.76	520.01
CRMS 3985	15.65	16.67	14.42	17.92	24.61	27.24	19.51	16.50	16.13	16.25	18.44	18.14
CRMS 0258	163.67	185.35	110.29	118.27	107.55	56.12	53.56	79.68	185.57	241.94	253.76	281.81
CRMS 0224	176.72	234.96	151.69	163.21	156.59	107.03	94.51	142.94	191.11	196.46	254.15	247.23
CRMS 0163	45.78	44.37	24.85	19.78	12.69	15.24	42.23	62.74	42.21	38.83	47.16	59.86
CRMS 0162	53.45	59.62	22.69	24.14	14.51	19.03	20.92	25.21	102.64	24.24	37.66	24.93

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-4.32	-4.23	-4.37	-6.11	-9.88	1.20	9.71	5.71	1.58	-9.27	-5.90	-6.71
CRMS0276 - Just east of Wilkinson Canal	25.25	40.30	43.85	48.17	39.85	28.06	47.23	34.32	45.74	41.35	27.39	36.27
Barataria Waterway at Lafitte (USACE82875)	107.06	134.83	85.47	56.62	28.92	18.84	30.40	77.28	103.49	107.85	111.90	109.66
USGS2928590900040000 Barataria Waterway South of Lafitte	-5.56	-1.98	-2.70	0.16	4.22	8.42	12.99	8.79	8.71	-8.18	-4.27	-3.97
USGS7380251 Barataria Bay North of Grand Isle	-2.11	-2.39	-3.42	-9.44	-21.30	-6.18	5.39	2.69	-1.00	-3.20	-3.44	-2.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.91	1.55	-9.34	-10.13	-18.01	6.30	36.00	19.82	-4.60	-16.98	1.35	-2.78
USGS 07380335 - Little Lake Near Cutoff	5.81	8.55	-7.11	0.02	-6.05	12.76	51.88	29.22	6.43	-14.60	6.88	4.18
USGS073802516 Barataria Pass at Grand Isle	-0.75	3.39	-8.81	-6.98	-12.75	17.44	49.87	22.82	-5.74	-19.47	-2.38	-1.39
HWQ14 - Lake Washington	-6.47	-5.10	-7.19	-15.45	-30.59	-9.93	11.24	4.19	-8.41	-14.28	-7.23	-8.26
HWQ16 - Bayou Grand Liard	12.15	11.27	7.67	15.15	20.83	30.52	36.56	22.85	11.81	5.21	-1.67	7.16
CRMS 3985	-0.69	-1.22	-1.01	-5.08	-15.32	-7.33	2.36	0.56	0.05	-0.62	-1.56	-0.98
CRMS 0258	-0.09	6.65	6.29	15.12	21.83	11.74	10.71	14.89	20.30	7.20	6.08	8.42
CRMS 0224	-0.14	7.49	2.10	10.02	11.68	13.65	31.68	17.67	19.14	-12.52	3.32	2.37
CRMS 0163	9.65	6.43	6.83	3.56	0.95	0.52	1.54	5.14	-6.25	0.37	7.10	13.54
CRMS 0162	-0.18	-0.26	0.09	1.29	0.31	0.75	0.09	-0.05	4.15	-0.02	-1.37	-0.63

Figure WQ SO4 36 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1970 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.34	69.68	56.34	70.82	79.17	56.01	41.93	38.55	54.88	66.41	99.35	106.85
CRMS0276 - Just east of Wilkinson Canal	280.41	175.52	93.27	93.56	61.33	107.64	186.98	252.19	276.55	390.21	435.61	300.39
Barataria Waterway at Lafitte (USACE82875)	36.31	15.14	11.08	11.26	11.11	16.90	22.65	33.55	39.79	80.62	58.93	31.97
USGS2928590900040000 Barataria Waterway South of Lafitte	98.27	117.72	89.24	82.31	85.31	56.97	53.77	53.71	91.26	118.33	168.69	191.87
USGS7380251 Barataria Bay North of Grand Isle	23.80	29.43	28.38	49.38	61.44	44.05	30.76	22.99	18.78	24.33	44.03	35.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	118.28	145.26	89.91	114.03	117.29	88.08	83.38	124.54	90.87	120.55	215.81	171.84
USGS 07380335 - Little Lake Near Cutoff	215.80	216.33	131.78	141.45	136.19	112.60	141.81	221.16	158.96	222.19	325.72	273.20
USGS073802516 Barataria Pass at Grand Isle	157.20	197.94	123.09	166.12	171.61	155.64	155.84	215.56	126.70	181.30	240.82	225.85
HWQ14 - Lake Washington	38.10	51.87	43.88	80.39	97.76	73.62	50.08	48.36	37.53	44.68	69.26	58.72
HWQ16 - Bayou Grand Liard	492.54	381.83	297.85	305.08	236.94	277.88	407.13	464.70	425.36	532.04	591.36	487.98
CRMS 3985	15.91	16.23	15.49	29.93	41.42	36.19	24.97	17.87	16.54	17.65	21.34	19.62
CRMS 0258	137.49	128.75	77.56	61.90	55.40	37.38	50.19	71.42	158.36	234.88	297.32	223.47
CRMS 0224	162.04	196.56	119.68	107.05	104.69	76.47	91.79	122.38	165.16	196.27	283.84	269.71
CRMS 0163	35.52	13.93	10.83	11.25	11.08	18.22	25.21	36.49	39.65	72.16	55.43	25.47
CRMS 0162	27.19	15.42	12.10	14.29	12.73	21.02	18.46	24.18	63.80	68.55	55.10	19.15

V3PR9 HYST - cy 0 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	51.45	66.79	56.08	76.67	88.54	63.47	44.76	30.14	47.52	59.76	92.87	101.85
CRMS0276 - Just east of Wilkinson Canal	310.62	225.31	127.23	123.42	84.02	130.20	211.26	257.65	316.04	426.85	472.31	352.71
Barataria Waterway at Lafitte (USACE82875)	119.00	97.21	35.87	25.99	20.18	32.40	65.46	103.73	127.28	197.11	216.06	156.11
USGS2928590900040000 Barataria Waterway South of Lafitte	96.41	118.07	93.17	94.17	100.96	68.05	58.37	44.40	80.71	112.58	164.52	190.09
USGS7380251 Barataria Bay North of Grand Isle	22.07	27.31	27.34	50.01	63.67	44.74	30.88	19.58	17.76	22.16	40.12	32.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	119.04	149.68	95.30	125.93	130.37	96.25	88.79	91.87	94.61	117.03	215.79	170.97
USGS 07380335 - Little Lake Near Cutoff	223.84	229.59	142.72	158.70	154.16	124.53	151.44	191.15	175.47	224.67	332.52	280.69
USGS073802516 Barataria Pass at Grand Isle	157.79	203.64	128.40	176.99	185.58	167.10	162.83	179.44	135.55	178.83	237.99	227.02
HWQ14 - Lake Washington	32.34	46.84	40.94	80.08	95.90	69.06	45.82	31.45	34.13	37.15	60.99	50.41
HWQ16 - Bayou Grand Liard	507.39	399.58	313.74	324.06	258.83	293.89	420.32	453.16	438.67	539.08	596.17	502.89
CRMS 3985	15.25	15.00	14.40	28.10	40.56	35.97	24.72	17.28	15.94	16.98	19.70	18.45
CRMS 0258	143.50	138.99	88.62	77.42	72.22	47.35	56.77	69.16	157.67	245.29	306.09	231.99
CRMS 0224	166.86	210.08	131.19	126.78	125.92	91.55	99.13	102.54	167.48	196.91	288.20	274.88
CRMS 0163	40.19	15.71	11.37	11.49	11.15	17.83	27.57	39.55	33.32	65.73	69.22	36.12
CRMS 0162	27.78	15.89	12.01	14.92	12.90	21.23	18.38	22.86	63.00	69.02	50.34	19.24

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.89	-2.89	-0.26	5.86	9.36	7.46	2.84	-8.40	-7.36	-6.65	-6.48	-5.00
CRMS0276 - Just east of Wilkinson Canal	30.21	49.79	33.96	29.86	22.69	22.56	24.28	5.46	39.49	36.64	36.71	52.32
Barataria Waterway at Lafitte (USACE82875)	82.69	82.07	24.79	14.73	9.07	15.50	42.80	70.18	87.48	116.49	157.13	124.14
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.86	0.35	3.93	11.86	15.65	11.08	4.61	-9.31	-10.55	-5.75	-4.17	-1.79
USGS7380251 Barataria Bay North of Grand Isle	-1.73	-2.12	-1.04	0.63	2.23	0.70	0.12	-3.41	-1.02	-2.16	-3.91	-3.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.76	4.42	5.39	11.90	13.08	8.17	5.41	-32.67	3.75	-3.52	-0.03	-0.88
USGS 07380335 - Little Lake Near Cutoff	8.04	13.26	10.94	17.25	17.96	11.93	9.63	-30.01	16.51	2.49	6.79	7.49
USGS073802516 Barataria Pass at Grand Isle	0.59	5.70	5.31	10.87	13.97	11.46	6.99	-36.11	8.86	-2.47	-2.83	1.16
HWQ14 - Lake Washington	-5.76	-5.03	-2.94	-0.30	-1.86	-4.56	-4.26	-16.91	-3.40	-7.53	-8.26	-8.31
HWQ16 - Bayou Grand Liard	14.85	17.74	15.89	18.98	21.89	16.01	13.19	-11.54	13.31	7.05	4.81	14.91
CRMS 3985	-0.66	-1.22	-1.09	-1.83	-0.86	-0.22	-0.25	-0.59	-0.60	-0.67	-1.65	-1.17
CRMS 0258	6.01	10.24	11.06	15.52	16.83	9.96	6.58	-2.26	-0.69	10.41	8.77	8.52
CRMS 0224	4.82	13.52	11.50	19.73	21.23	15.08	7.34	-19.84	2.32	0.64	4.35	5.17
CRMS 0163	4.67	1.78	0.55	0.24	0.07	-0.39	2.36	3.06	-6.33	-6.43	13.79	10.65
CRMS 0162	0.59	0.47	-0.09	0.63	0.17	0.21	-0.09	-1.32	-0.80	0.47	-4.75	0.09

Figure WQ SO4 37 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	54.99	81.25	65.97	87.34	100.80	84.64	42.89	38.41	61.14	71.23	84.60	87.72
CRMS0276 - Just east of Wilkinson Canal	348.67	247.57	246.44	221.94	204.53	219.07	249.75	332.51	352.52	353.55	353.16	291.25
Barataria Waterway at Lafitte (USACE82875)	82.83	27.93	26.95	22.27	20.65	30.35	52.45	78.64	75.36	59.67	39.29	37.43
USGS2928590900040000 Barataria Waterway South of Lafitte	94.26	140.00	104.99	122.16	136.89	101.28	60.02	56.22	105.41	131.89	155.36	150.72
USGS7380251 Barataria Bay North of Grand Isle	23.35	33.63	24.82	41.43	49.18	37.34	21.18	19.40	19.11	23.32	39.55	30.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.67	169.95	92.21	133.12	126.92	103.98	66.93	144.73	111.21	116.95	191.40	146.57
USGS 07380335 - Little Lake Near Cutoff	239.22	255.76	159.52	192.68	177.27	151.18	145.77	278.89	199.83	216.03	287.90	241.11
USGS073802516 Barataria Pass at Grand Isle	168.28	228.37	134.28	202.97	216.25	205.71	154.04	261.69	157.74	173.92	213.91	201.45
HWQ14 - Lake Washington	36.76	58.43	35.00	71.08	81.68	72.21	32.46	42.83	41.55	41.79	62.60	50.71
HWQ16 - Bayou Grand Liard	550.52	448.04	423.11	425.39	376.01	383.28	494.80	565.78	494.12	507.08	534.03	475.51
CRMS 3985	16.74	18.12	15.85	21.79	27.11	25.84	17.83	16.52	16.90	17.22	19.85	18.35
CRMS 0258	163.52	162.02	152.00	132.50	124.33	121.12	87.21	86.01	192.45	263.46	215.73	171.22
CRMS 0224	165.08	236.36	150.73	169.59	173.07	134.62	93.97	145.16	200.19	213.47	255.69	223.34
CRMS 0163	72.29	25.66	26.05	25.95	22.31	32.23	63.01	85.60	70.34	54.18	36.66	32.89
CRMS 0162	59.75	25.13	24.27	33.19	24.15	29.90	23.84	51.02	153.08	30.17	35.13	21.60

V3PR9 HYST - cy 0 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	52.86	75.72	60.72	79.91	89.12	80.58	38.97	37.56	57.96	70.09	85.98	87.42
CRMS0276 - Just east of Wilkinson Canal	367.89	297.62	279.80	262.79	243.81	248.51	266.46	349.71	386.75	397.51	398.10	339.13
Barataria Waterway at Lafitte (USACE82875)	172.68	151.36	113.10	87.05	91.25	92.73	127.40	177.53	194.99	179.15	169.27	141.35
USGS2928590900040000 Barataria Waterway South of Lafitte	93.38	136.55	101.53	121.77	133.61	102.27	56.22	54.63	101.45	132.53	162.80	156.53
USGS7380251 Barataria Bay North of Grand Isle	22.08	30.29	22.42	32.15	36.61	31.16	18.85	18.44	18.05	23.69	38.45	28.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.13	168.46	87.59	115.66	113.27	98.90	67.38	144.74	111.90	130.50	200.01	150.15
USGS 07380335 - Little Lake Near Cutoff	243.95	260.55	157.73	180.24	168.28	148.69	150.10	284.39	212.58	239.20	306.32	251.95
USGS073802516 Barataria Pass at Grand Isle	167.36	229.44	128.39	187.37	203.49	204.68	157.77	258.40	160.78	193.63	223.76	209.95
HWQ14 - Lake Washington	31.76	50.88	30.32	52.22	61.56	56.54	26.27	35.75	36.13	41.83	59.80	45.13
HWQ16 - Bayou Grand Liard	557.43	462.53	431.03	433.59	388.28	395.95	499.45	570.91	501.60	526.78	548.51	493.65
CRMS 3985	16.35	16.62	15.23	17.84	20.73	21.24	16.59	15.68	16.15	16.89	18.86	17.75
CRMS 0258	170.33	165.35	160.17	148.81	140.74	135.50	87.85	85.46	195.47	279.48	234.48	185.49
CRMS 0224	168.94	241.38	152.38	176.24	177.03	138.41	92.46	147.10	206.19	221.81	273.77	237.80
CRMS 0163	80.94	31.87	37.02	32.49	28.94	35.26	70.24	89.61	58.74	51.69	46.80	42.44
CRMS 0162	60.71	25.81	24.25	33.03	24.12	30.71	23.82	52.78	149.51	29.77	35.69	21.22

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.13	-5.52	-5.25	-7.43	-11.67	-4.06	-3.92	-0.84	-3.18	-1.14	1.39	-0.30
CRMS0276 - Just east of Wilkinson Canal	19.22	50.05	33.36	40.85	39.28	29.44	16.71	17.21	34.22	43.96	44.94	47.88
Barataria Waterway at Lafitte (USACE82875)	89.85	123.43	86.15	64.78	70.60	62.38	74.95	98.89	119.63	119.47	129.98	103.91
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.88	-3.45	-3.46	-0.39	-3.28	0.99	-3.80	-1.58	-3.97	0.64	7.44	5.82
USGS7380251 Barataria Bay North of Grand Isle	-1.27	-3.34	-2.40	-9.28	-12.57	-6.18	-2.33	-0.95	-1.05	0.37	-1.09	-1.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.54	-1.49	-4.62	-17.45	-13.65	-5.07	0.45	0.01	0.69	13.54	8.61	3.59
USGS 07380335 - Little Lake Near Cutoff	4.73	4.78	-1.79	-12.44	-8.98	-2.48	4.33	5.51	12.75	23.18	18.42	10.84
USGS073802516 Barataria Pass at Grand Isle	-0.92	1.07	-5.89	-15.59	-12.77	-1.03	3.73	-3.30	3.05	19.71	9.85	8.50
HWQ14 - Lake Washington	-5.01	-7.55	-4.68	-18.86	-20.12	-15.67	-6.19	-7.08	-5.43	0.04	-2.79	-5.57
HWQ16 - Bayou Grand Liard	6.91	14.49	7.92	8.20	12.27	12.67	4.65	5.13	7.48	19.69	14.48	18.14
CRMS 3985	-0.39	-1.50	-0.62	-3.95	-6.38	-4.59	-1.24	-0.84	-0.75	-0.34	-0.99	-0.60
CRMS 0258	6.81	3.33	8.17	16.31	16.41	14.38	0.65	-0.54	3.02	16.02	18.75	14.27
CRMS 0224	3.86	5.02	1.65	6.65	3.96	3.80	-1.50	1.94	6.00	8.34	18.08	14.46
CRMS 0163	8.65	6.20	10.97	6.54	6.63	3.03	7.23	4.00	-11.60	-2.49	10.13	9.55
CRMS 0162	0.97	0.68	-0.02	-0.16	-0.03	0.81	-0.02	1.76	-3.57	-0.40	0.56	-0.38

Figure WQ SO4 38 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.50	71.69	58.42	82.35	94.62	72.22	31.72	24.45	39.72	54.51	89.85	110.15
CRMS0276 - Just east of Wilkinson Canal	316.53	141.12	124.21	120.39	118.93	81.01	115.92	164.83	188.84	291.05	409.09	371.44
Barataria Waterway at Lafitte (USACE82875)	29.61	12.95	12.99	12.11	13.93	12.30	13.62	17.54	23.16	44.33	62.78	54.06
USGS2928590900040000 Barataria Waterway South of Lafitte	107.75	119.34	90.14	101.13	108.87	79.76	47.02	33.83	58.39	91.96	149.13	183.37
USGS7380251 Barataria Bay North of Grand Isle	25.36	29.93	31.16	55.26	70.21	48.98	20.05	17.63	16.26	22.33	41.45	33.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	130.12	141.26	97.22	135.65	143.23	99.59	42.11	95.36	75.95	108.24	200.11	171.21
USGS 07380335 - Little Lake Near Cutoff	233.72	203.98	143.47	170.13	174.35	123.65	73.90	160.86	125.06	190.41	302.45	283.01
USGS073802516 Barataria Pass at Grand Isle	171.98	188.78	133.68	193.74	213.91	163.66	89.54	173.29	107.88	160.62	226.21	230.43
HWQ14 - Lake Washington	41.46	53.20	47.69	90.03	109.16	81.03	29.80	42.13	36.89	44.60	66.13	55.18
HWQ16 - Bayou Grand Liard	498.29	347.90	335.20	346.90	313.56	247.39	308.77	370.94	349.92	463.19	573.28	531.30
CRMS 3985	16.29	16.23	16.37	31.95	45.31	37.71	16.01	14.14	13.99	15.59	20.43	19.69
CRMS 0258	162.74	130.62	75.18	83.54	81.18	48.59	34.96	32.41	91.74	176.37	249.92	271.58
CRMS 0224	183.95	190.63	121.97	137.09	141.89	99.39	61.54	81.29	115.08	160.96	254.17	264.33
CRMS 0163	23.51	11.94	13.15	12.58	14.48	12.55	13.80	17.34	24.22	41.30	64.36	43.54
CRMS 0162	19.23	13.23	15.52	18.18	16.98	15.35	14.13	16.55	28.92	26.09	71.04	25.80

V3PR9 HYST - cy 0 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	53.62	66.54	53.53	81.08	99.67	76.90	30.64	23.65	38.63	51.45	84.26	103.94
CRMS0276 - Just east of Wilkinson Canal	344.52	186.56	156.49	157.51	159.70	107.82	138.05	188.53	226.02	327.88	442.14	417.47
Barataria Waterway at Lafitte (USACE82875)	129.64	75.90	40.51	37.33	43.78	26.08	34.29	55.78	72.88	124.01	186.19	195.85
USGS2928590900040000 Barataria Waterway South of Lafitte	103.80	117.04	88.80	107.03	122.98	90.68	48.21	32.87	59.88	94.71	145.74	180.49
USGS7380251 Barataria Bay North of Grand Isle	23.39	26.79	25.92	48.62	64.22	42.86	17.80	16.33	15.47	19.21	38.02	31.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	128.88	142.43	91.54	136.87	150.19	102.53	40.55	96.20	79.65	96.92	199.71	172.92
USGS 07380335 - Little Lake Near Cutoff	238.39	212.87	143.75	180.49	190.69	131.45	75.66	169.81	136.72	186.41	309.25	291.26
USGS073802516 Barataria Pass at Grand Isle	170.43	192.29	126.02	194.60	225.58	170.81	89.11	175.84	114.71	147.47	225.00	234.98
HWQ14 - Lake Washington	34.75	46.64	37.69	78.86	97.71	69.08	23.59	36.56	32.86	32.21	58.41	48.33
HWQ16 - Bayou Grand Liard	509.33	366.19	343.27	363.44	338.91	269.54	319.49	379.71	368.03	471.76	583.83	542.99
CRMS 3985	15.62	14.68	13.70	25.56	38.36	31.50	14.79	13.05	13.29	14.71	18.71	18.80
CRMS 0258	164.76	135.99	83.84	98.39	100.30	62.66	38.69	33.07	102.97	195.54	259.44	281.83
CRMS 0224	184.58	199.55	127.32	152.59	164.33	116.92	63.62	84.22	125.17	168.74	256.50	270.45
CRMS 0163	29.14	13.01	14.19	13.02	16.03	12.88	14.58	18.29	20.84	39.07	75.34	56.52
CRMS 0162	20.08	13.44	15.94	17.87	17.04	15.40	14.14	16.55	29.40	25.96	69.20	25.72

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.87	-5.14	-4.89	-1.27	5.05	4.68	-1.08	-0.79	-1.09	-3.06	-5.59	-6.21
CRMS0276 - Just east of Wilkinson Canal	28.00	45.43	32.28	37.12	40.77	26.81	22.13	23.70	37.18	36.83	33.05	46.03
Barataria Waterway at Lafitte (USACE82875)	100.04	62.96	27.52	25.22	29.85	13.78	20.67	38.24	49.72	79.67	123.42	141.79
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.95	-2.30	-1.34	5.90	14.11	10.92	1.20	-0.96	1.49	2.75	-3.39	-2.88
USGS7380251 Barataria Bay North of Grand Isle	-1.98	-3.14	-5.24	-6.65	-5.99	-6.12	-2.25	-1.31	-0.79	-3.12	-3.43	-2.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.24	1.17	-5.67	1.22	6.96	2.94	-1.56	0.83	3.70	-11.32	-0.39	1.71
USGS 07380335 - Little Lake Near Cutoff	4.66	8.89	0.28	10.36	16.34	7.81	1.76	8.94	11.66	-4.00	6.81	8.25
USGS073802516 Barataria Pass at Grand Isle	-1.55	3.51	-7.66	0.85	11.67	7.16	-0.43	2.56	6.83	-13.15	-1.21	4.55
HWQ14 - Lake Washington	-6.71	-6.55	-9.99	-11.17	-11.45	-11.96	-6.21	-5.57	-4.03	-12.39	-7.72	-6.84
HWQ16 - Bayou Grand Liard	11.03	18.29	8.07	16.53	25.35	22.15	10.72	8.77	18.11	8.57	10.55	11.69
CRMS 3985	-0.68	-1.55	-2.67	-6.39	-6.95	-6.21	-1.22	-1.09	-0.70	-0.88	-1.72	-0.88
CRMS 0258	2.03	5.38	8.66	14.85	19.13	14.08	3.72	0.67	11.23	19.17	9.52	10.25
CRMS 0224	0.63	8.92	5.35	15.51	22.44	17.53	2.08	2.93	10.09	7.77	2.33	6.12
CRMS 0163	5.63	1.07	1.04	0.44	1.55	0.33	0.79	0.95	-3.37	-2.23	10.98	12.98
CRMS 0162	0.85	0.20	0.42	-0.30	0.06	0.05	0.01	0.00	0.48	-0.13	-1.84	-0.07

Figure WQ SO4 39 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 0 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	57.00	86.19	63.44	85.02	90.13	61.66	37.63	32.15	46.49	53.29	91.89	101.81
CRMS0276 - Just east of Wilkinson Canal	256.32	346.87	206.73	105.96	63.12	42.05	99.11	179.57	209.60	329.11	438.12	232.20
Barataria Waterway at Lafitte (USACE82875)	45.91	55.50	20.19	11.76	11.70	11.39	12.72	19.84	27.04	60.55	65.68	23.20
USGS2928590900040000 Barataria Waterway South of Lafitte	96.15	142.51	115.59	104.53	98.14	59.99	49.18	45.34	71.39	92.79	154.15	179.43
USGS7380251 Barataria Bay North of Grand Isle	22.67	32.54	26.44	53.07	68.20	48.08	29.97	24.58	18.51	21.76	43.47	33.83
USGS73802515 Hackberry Bay Northwest of Grand Isle	112.66	170.37	94.00	127.07	129.74	91.78	67.89	110.85	75.24	100.11	211.39	168.00
USGS 07380335 - Little Lake Near Cutoff	206.02	270.39	158.89	158.26	148.56	105.35	101.12	179.02	128.60	186.71	320.76	261.91
USGS073802516 Barataria Pass at Grand Isle	147.62	238.81	132.63	180.77	185.52	140.02	119.22	189.69	105.45	153.55	238.36	218.18
HWQ14 - Lake Washington	35.91	54.27	36.95	86.09	105.91	81.00	50.14	53.91	35.47	37.90	69.44	58.63
HWQ16 - Bayou Grand Liard	480.00	516.79	383.68	325.98	243.71	196.91	306.36	385.63	362.67	490.17	594.39	440.84
CRMS 3985	15.33	18.33	16.08	29.76	44.47	39.24	26.21	20.21	16.47	16.61	21.20	18.87
CRMS 0258	146.38	224.14	140.45	80.53	65.06	32.27	30.42	40.31	116.88	183.91	262.55	195.52
CRMS 0224	151.23	238.86	166.01	128.08	118.00	74.22	70.28	98.45	128.67	156.69	269.24	257.73
CRMS 0163	48.30	55.14	15.94	11.95	11.67	11.37	13.45	20.16	28.06	57.99	60.07	15.92
CRMS 0162	65.62	70.85	14.88	16.23	12.85	12.61	13.65	18.04	34.27	38.82	60.89	14.03

V3PR9 HYST - cy 0 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	52.65	80.45	58.78	78.47	94.35	68.18	28.48	23.49	40.01	52.98	83.03	93.22
CRMS0276 - Just east of Wilkinson Canal	274.51	376.12	259.52	142.53	89.95	62.50	110.10	192.14	243.85	362.32	469.80	292.81
Barataria Waterway at Lafitte (USACE82875)	95.39	186.11	116.46	38.81	24.74	14.27	22.80	56.31	84.79	148.60	213.74	132.75
USGS2928590900040000 Barataria Waterway South of Lafitte	92.50	138.74	111.05	107.93	112.68	73.02	42.19	31.66	65.23	98.70	147.43	173.09
USGS7380251 Barataria Bay North of Grand Isle	20.45	29.83	23.43	39.64	62.66	42.83	17.55	16.01	15.37	19.20	37.04	29.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	110.97	170.16	90.66	118.76	138.97	91.26	37.34	95.10	80.71	97.77	203.50	164.74
USGS 07380335 - Little Lake Near Cutoff	210.04	272.29	160.17	160.91	165.98	110.03	66.45	172.42	141.42	192.33	318.90	268.48
USGS073802516 Barataria Pass at Grand Isle	145.50	237.25	131.26	175.87	197.36	142.20	79.61	176.89	115.61	150.79	226.74	216.57
HWQ14 - Lake Washington	29.70	48.38	31.76	65.42	96.96	66.11	23.06	34.95	31.20	31.61	56.25	47.92
HWQ16 - Bayou Grand Liard	490.25	522.22	399.01	345.35	265.03	212.71	295.77	387.97	379.09	493.68	595.96	456.51
CRMS 3985	14.52	17.04	14.96	20.62	36.67	32.46	14.54	12.93	13.63	15.16	18.81	17.32
CRMS 0258	151.71	228.22	143.17	98.83	85.62	43.04	32.04	34.49	121.93	203.72	267.34	199.08
CRMS 0224	153.32	240.96	166.06	142.65	141.58	88.80	54.22	82.41	131.63	173.04	264.48	260.18
CRMS 0163	53.12	60.24	20.29	12.68	11.86	11.36	13.80	21.03	23.63	53.60	74.34	21.72
CRMS 0162	65.62	69.71	14.94	16.39	12.87	12.61	13.69	17.95	31.19	40.00	61.67	14.09

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-4.35	-5.74	-4.66	-6.55	4.22	6.51	-9.15	-8.65	-6.48	-0.30	-8.87	-8.58
CRMS0276 - Just east of Wilkinson Canal	18.19	29.24	52.79	36.57	26.83	20.45	10.99	12.56	34.25	33.21	31.68	60.60
Barataria Waterway at Lafitte (USACE82875)	49.48	130.61	96.27	27.05	13.04	2.89	10.08	36.47	57.75	88.05	148.06	109.55
USGS2928590900040000 Barataria Waterway South of Lafitte	-3.65	-3.77	-4.55	3.41	14.54	13.03	-6.99	-13.68	-6.17	5.92	-6.72	-6.33
USGS7380251 Barataria Bay North of Grand Isle	-2.21	-2.71	-3.01	-13.43	-5.54	-5.25	-12.41	-8.57	-3.14	-2.56	-6.42	-3.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	-1.69	-0.20	-3.33	-8.31	9.23	-0.52	-30.56	-15.75	5.47	-2.34	-7.89	-3.25
USGS 07380335 - Little Lake Near Cutoff	4.02	1.90	1.28	2.65	17.42	4.69	-34.67	-6.60	12.83	5.62	-1.86	6.57
USGS073802516 Barataria Pass at Grand Isle	-2.11	-1.56	-1.38	-4.90	11.84	2.19	-39.61	-12.80	10.16	-2.76	-11.62	-1.61
HWQ14 - Lake Washington	-6.21	-5.89	-5.19	-20.67	-8.95	-14.89	-27.08	-18.96	-4.26	-6.29	-13.19	-10.72
HWQ16 - Bayou Grand Liard	10.25	5.44	15.33	19.37	21.33	15.80	-10.59	2.34	16.42	3.51	1.57	15.68
CRMS 3985	-0.81	-1.29	-1.12	-9.14	-7.81	-6.77	-11.67	-7.27	-2.85	-1.45	-2.39	-1.55
CRMS 0258	5.33	4.07	2.72	18.30	20.55	10.77	1.62	-5.82	5.05	19.81	4.79	3.56
CRMS 0224	2.10	2.09	0.05	14.57	23.58	14.58	-16.06	-16.03	2.96	16.35	-4.76	2.45
CRMS 0163	4.82	5.10	4.35	0.73	0.20	-0.01	0.35	0.86	-4.42	-4.39	14.27	5.80
CRMS 0162	0.00	-1.13	0.06	0.16	0.02	0.00	0.04	-0.09	-3.08	1.19	0.77	0.06

Figure WQ SO4 40 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 0, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	59.92	74.61	62.16	72.85	68.91	50.62	39.10	43.10	55.84	63.15	95.54	104.26
CRMS0276 - Just east of Wilkinson Canal	260.87	144.37	88.78	61.44	55.95	70.58	130.38	233.64	235.23	282.80	317.42	270.92
Barataria Waterway at Lafitte (USACE82875)	33.22	17.36	12.30	11.38	11.52	13.49	20.37	38.44	30.61	44.80	50.42	42.19
USGS2928590900040000 Barataria Waterway South of Lafitte	101.87	115.10	89.71	78.74	68.68	50.68	48.33	58.62	94.20	109.03	152.91	168.18
USGS7380251 Barataria Bay North of Grand Isle	27.75	30.17	30.24	51.31	57.41	42.88	29.81	23.99	19.68	25.11	45.76	37.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	141.04	142.40	94.65	109.04	104.45	82.80	77.62	131.17	94.50	117.44	202.44	172.99
USGS 07380335 - Little Lake Near Cutoff	229.19	197.58	131.55	125.89	120.03	99.99	119.46	218.89	152.78	196.37	288.00	260.23
USGS073802516 Barataria Pass at Grand Isle	177.71	186.99	124.02	151.10	154.40	138.49	138.82	220.14	128.57	166.43	222.01	222.19
HWQ14 - Lake Washington	49.38	57.35	47.51	82.28	93.86	75.53	54.90	58.17	42.31	47.69	75.46	65.57
HWQ16 - Bayou Grand Liard	463.22	348.03	287.76	261.56	219.42	231.03	354.21	446.87	395.53	460.41	512.26	463.46
CRMS 3985	16.32	14.09	14.80	31.60	41.37	36.22	24.42	18.00	16.54	17.38	22.15	20.52
CRMS 0258	144.12	132.26	80.04	59.02	44.51	33.15	39.86	76.96	165.04	205.94	238.18	239.44
CRMS 0224	174.88	180.39	116.75	95.47	83.70	68.47	77.97	130.78	163.45	178.09	252.45	252.90
CRMS 0163	25.66	14.83	11.75	11.29	11.50	13.63	25.15	40.12	28.41	38.42	39.08	30.52
CRMS 0162	30.47	26.92	15.85	20.98	19.93	23.57	18.58	27.76	48.41	27.45	77.76	31.93

V3PR2 HYST - cy 1 - 1975 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	13.16	12.17	11.32	10.98	11.03	13.19	15.35	18.10	19.69	18.79	20.19	17.97
CRMS0276 - Just east of Wilkinson Canal	190.10	124.39	73.68	51.89	43.89	48.57	80.16	197.21	234.79	284.57	313.32	263.45
Barataria Waterway at Lafitte (USACE82875)	33.11	17.72	12.46	11.38	11.53	13.41	19.28	36.08	31.00	44.56	49.10	40.72
USGS2928590900040000 Barataria Waterway South of Lafitte	14.20	12.18	11.32	10.99	11.02	13.08	14.67	20.80	41.82	39.00	57.61	48.62
USGS7380251 Barataria Bay North of Grand Isle	14.45	12.11	11.04	10.73	10.90	11.63	11.36	14.25	16.03	19.40	30.44	23.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	33.42	19.98	12.94	12.36	12.17	13.49	19.21	89.39	88.25	94.17	155.38	107.16
USGS 07380335 - Little Lake Near Cutoff	76.45	41.52	18.67	17.20	14.99	16.17	38.82	173.26	150.78	179.08	247.20	196.19
USGS073802516 Barataria Pass at Grand Isle	64.11	54.14	24.91	26.74	28.56	31.69	54.32	180.94	133.45	150.35	188.59	169.12
HWQ14 - Lake Washington	23.16	16.67	12.56	15.11	18.87	17.35	14.29	39.30	47.70	44.96	59.73	45.87
HWQ16 - Bayou Grand Liard	374.50	250.97	171.80	140.98	114.70	143.41	288.87	428.03	399.20	454.33	498.62	440.48
CRMS 3985	11.95	11.33	10.39	10.14	10.61	10.69	10.08	10.05	12.74	15.03	19.11	17.25
CRMS 0258	51.00	24.25	14.71	16.79	14.72	14.25	13.28	32.52	133.14	184.94	201.64	188.15
CRMS 0224	51.09	32.04	16.96	18.18	15.32	15.06	17.74	74.95	141.38	157.00	203.30	178.55
CRMS 0163	25.97	15.05	11.80	11.28	11.47	13.49	23.64	38.80	29.15	38.66	38.51	30.30
CRMS 0162	32.97	28.92	16.51	20.87	20.25	24.95	18.70	29.14	51.09	28.82	75.96	32.10

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.76	-62.44	-50.85	-61.87	-57.88	-37.43	-23.75	-24.99	-36.15	-44.36	-75.35	-86.28
CRMS0276 - Just east of Wilkinson Canal	-70.77	-19.99	-15.10	-9.56	-12.06	-22.01	-50.22	-36.43	-0.44	1.77	-4.10	-7.47
Barataria Waterway at Lafitte (USACE82875)	-0.11	0.36	0.16	-0.01	0.00	-0.08	-1.09	-2.36	0.39	-0.24	-1.32	-1.48
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.67	-102.91	-78.39	-67.76	-57.66	-37.59	-33.66	-37.82	-52.38	-70.03	-95.31	-119.57
USGS7380251 Barataria Bay North of Grand Isle	-13.31	-18.07	-19.20	-40.58	-46.51	-31.25	-18.45	-9.74	-3.65	-5.71	-15.32	-14.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	-107.62	-122.42	-81.71	-96.67	-92.28	-69.31	-58.40	-41.78	-6.25	-23.27	-47.07	-65.83
USGS 07380335 - Little Lake Near Cutoff	-152.74	-156.06	-112.88	-108.69	-105.03	-83.82	-80.64	-45.63	-2.00	-17.29	-40.81	-64.04
USGS073802516 Barataria Pass at Grand Isle	-113.59	-132.85	-99.11	-124.36	-125.84	-106.80	-84.50	-39.20	4.88	-16.08	-33.42	-53.07
HWQ14 - Lake Washington	-26.22	-40.68	-34.95	-67.17	-75.00	-58.18	-40.61	-18.87	5.39	-2.74	-15.74	-19.69
HWQ16 - Bayou Grand Liard	-88.72	-97.06	-115.96	-120.59	-104.71	-87.62	-65.34	-18.84	3.67	-6.08	-13.63	-22.98
CRMS 3985	-4.38	-2.75	-4.40	-21.46	-30.76	-25.54	-14.35	-7.95	-3.80	-2.35	-3.04	-3.27
CRMS 0258	-93.11	-108.01	-65.33	-42.23	-29.79	-18.90	-26.58	-44.44	-31.90	-21.00	-36.54	-51.30
CRMS 0224	-123.79	-148.35	-99.79	-77.30	-68.39	-53.41	-60.23	-55.83	-22.08	-21.09	-49.15	-74.35
CRMS 0163	0.30	0.22	0.05	0.00	-0.02	-0.14	-1.51	-1.32	0.74	0.24	-0.58	-0.22
CRMS 0162	2.50	2.00	0.65	-0.11	0.32	1.38	0.12	1.39	2.68	1.37	-1.79	0.16

Figure WQ SO4 41 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.03	78.15	65.41	67.88	69.70	49.64	43.34	33.43	52.30	63.38	103.27	111.51
CRMS0276 - Just east of Wilkinson Canal	255.06	139.68	69.72	68.88	47.23	90.85	169.83	220.87	251.09	362.78	394.86	241.73
Barataria Waterway at Lafitte (USACE82875)	41.25	16.35	11.26	11.54	11.22	17.50	24.44	34.15	33.78	69.86	65.96	32.96
USGS2928590900040000 Barataria Waterway South of Lafitte	102.27	121.37	92.42	72.06	69.22	48.00	52.65	47.66	86.30	110.35	171.53	188.75
USGS7380251 Barataria Bay North of Grand Isle	26.55	31.79	32.37	49.98	57.93	43.67	32.64	21.12	20.09	25.26	46.79	35.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	138.18	152.02	92.82	103.43	104.83	82.02	87.39	94.95	98.15	128.96	227.78	182.54
USGS 07380335 - Little Lake Near Cutoff	228.20	208.67	124.59	122.15	118.53	101.53	139.30	176.96	161.35	224.41	329.68	269.32
USGS073802516 Barataria Pass at Grand Isle	175.29	196.21	119.91	147.31	150.78	141.79	156.36	175.81	134.57	186.03	246.26	227.20
HWQ14 - Lake Washington	47.08	60.41	49.74	78.95	94.96	73.85	56.35	40.41	44.73	49.00	78.01	66.64
HWQ16 - Bayou Grand Liard	476.31	346.59	264.87	267.05	206.14	258.50	391.70	424.86	404.56	516.81	568.26	449.53
CRMS 3985	14.91	15.27	17.17	32.58	42.62	37.59	26.68	18.05	16.79	18.03	18.45	16.20
CRMS 0258	144.52	142.00	78.17	53.63	44.63	32.45	51.92	73.45	161.79	230.35	301.39	232.99
CRMS 0224	170.27	192.90	113.76	89.04	83.56	65.53	91.03	106.49	163.35	196.29	292.38	272.97
CRMS 0163	36.82	13.43	11.00	11.50	11.22	17.53	26.75	35.81	31.10	58.60	47.16	23.53
CRMS 0162	39.40	22.71	14.25	21.62	16.46	31.27	19.54	32.21	105.15	127.59	84.09	26.14

V3PR2 HYST - cy 1 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.52	11.47	10.85	10.93	10.98	15.09	15.80	17.83	20.33	20.29	21.52	15.39
CRMS0276 - Just east of Wilkinson Canal	198.16	120.37	55.83	55.75	37.18	70.56	136.49	205.04	253.57	357.66	382.00	235.16
Barataria Waterway at Lafitte (USACE82875)	39.56	16.61	11.31	11.55	11.22	16.80	23.19	33.03	33.00	68.87	61.81	32.26
USGS2928590900040000 Barataria Waterway South of Lafitte	15.67	11.52	10.85	10.94	10.96	14.25	15.56	20.62	42.23	40.59	65.89	43.53
USGS7380251 Barataria Bay North of Grand Isle	14.60	11.93	10.71	10.67	10.85	11.32	11.32	14.96	16.21	19.80	33.53	22.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	34.41	18.32	12.17	12.15	11.96	20.24	37.00	94.25	89.41	101.14	177.76	76.77
USGS 07380335 - Little Lake Near Cutoff	85.61	37.41	16.50	16.64	14.50	31.32	79.97	177.08	155.82	198.81	283.54	147.89
USGS073802516 Barataria Pass at Grand Isle	67.80	48.68	21.62	25.59	27.44	59.64	99.36	185.46	135.04	164.63	211.25	135.85
HWQ14 - Lake Washington	21.56	16.03	12.16	14.35	18.71	20.16	22.32	45.75	47.71	45.32	66.00	44.34
HWQ16 - Bayou Grand Liard	399.39	237.29	144.96	144.53	104.16	200.59	357.54	423.95	410.42	505.38	546.61	391.90
CRMS 3985	13.57	11.94	10.43	10.11	10.57	10.24	9.53	10.12	12.86	15.46	19.89	17.92
CRMS 0258	38.91	25.43	13.14	15.67	14.32	15.79	20.34	37.30	138.28	206.97	253.39	155.01
CRMS 0224	44.27	32.36	14.77	17.01	14.64	19.17	37.96	81.40	146.30	171.12	236.30	151.65
CRMS 0163	35.45	13.59	11.00	11.48	11.22	17.06	25.54	35.39	31.03	59.53	46.34	23.25
CRMS 0162	42.43	24.10	14.64	21.35	16.39	30.71	19.69	33.24	113.36	129.12	88.39	26.33

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.51	-66.69	-54.56	-56.95	-58.71	-34.54	-27.54	-15.59	-31.97	-43.08	-81.74	-96.12
CRMS0276 - Just east of Wilkinson Canal	-56.90	-19.30	-13.88	-13.12	-10.05	-20.29	-33.34	-15.83	2.49	-5.12	-12.86	-6.57
Barataria Waterway at Lafitte (USACE82875)	-1.69	0.25	0.05	0.01	0.00	-0.70	-1.25	-1.12	-0.78	-0.99	-4.15	-0.70
USGS2928590900040000 Barataria Waterway South of Lafitte	-86.60	-109.85	-81.57	-61.12	-58.26	-33.75	-37.09	-27.04	-44.07	-69.76	-105.64	-145.23
USGS7380251 Barataria Bay North of Grand Isle	-11.95	-19.85	-21.66	-39.30	-47.08	-32.35	-21.33	-6.16	-3.88	-5.46	-13.26	-13.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	-103.77	-133.71	-80.65	-91.28	-92.87	-61.78	-50.39	-0.70	-8.73	-27.83	-50.02	-105.77
USGS 07380335 - Little Lake Near Cutoff	-142.59	-171.26	-108.09	-105.51	-104.04	-70.22	-59.34	0.12	-5.53	-25.60	-46.14	-121.42
USGS073802516 Barataria Pass at Grand Isle	-107.49	-147.53	-98.29	-121.72	-123.34	-82.15	-57.00	9.66	0.47	-21.40	-35.01	-91.35
HWQ14 - Lake Washington	-25.53	-44.38	-37.59	-64.60	-76.25	-53.69	-34.03	5.34	2.98	-3.68	-12.01	-22.30
HWQ16 - Bayou Grand Liard	-76.93	-109.30	-119.91	-122.52	-101.98	-57.91	-34.16	-0.92	5.86	-11.43	-21.66	-57.63
CRMS 3985	-1.33	-3.33	-6.74	-22.48	-32.05	-27.34	-17.15	-7.93	-3.93	-2.57	1.44	1.71
CRMS 0258	-105.61	-116.57	-65.03	-37.96	-30.31	-16.66	-31.57	-36.15	-23.51	-23.37	-48.00	-77.98
CRMS 0224	-126.00	-160.54	-98.99	-72.03	-68.92	-46.36	-53.07	-25.09	-17.05	-25.17	-56.09	-121.32
CRMS 0163	-1.37	0.16	0.00	-0.02	0.00	-0.48	-1.21	-0.41	-0.07	0.93	-0.82	-0.27
CRMS 0162	3.04	1.39	0.38	-0.27	-0.07	-0.56	0.16	1.03	8.21	1.53	4.30	0.19

Figure WQ SO4 42 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	60.57	91.49	73.07	99.43	110.30	92.60	45.50	40.03	63.66	68.97	90.91	90.60
CRMS0276 - Just east of Wilkinson Canal	326.50	203.63	208.49	178.16	161.11	188.70	234.97	325.32	324.45	326.09	309.96	244.60
Barataria Waterway at Lafitte (USACE82875)	86.42	29.45	29.64	24.73	22.39	31.91	57.30	74.89	52.88	53.56	45.13	38.37
USGS2928590900040000 Barataria Waterway South of Lafitte	97.58	145.71	112.10	126.74	136.10	107.16	64.00	57.81	113.24	127.43	156.41	147.73
USGS7380251 Barataria Bay North of Grand Isle	25.72	36.14	29.08	50.79	62.31	48.70	23.47	20.74	19.94	24.03	41.35	30.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	149.90	180.67	109.06	139.40	144.99	118.17	66.04	151.44	115.42	122.36	199.81	156.01
USGS 07380335 - Little Lake Near Cutoff	258.19	250.83	171.66	186.10	185.59	155.30	136.54	276.90	197.61	215.46	288.10	237.00
USGS073802516 Barataria Pass at Grand Isle	190.08	229.96	145.40	197.87	222.49	203.98	146.13	264.38	159.65	174.37	215.34	205.26
HWQ14 - Lake Washington	46.08	68.75	43.43	82.06	103.11	88.08	36.30	50.69	46.60	44.45	68.18	57.91
HWQ16 - Bayou Grand Liard	540.91	416.74	402.17	390.00	347.99	359.81	484.70	559.41	474.40	491.05	509.04	439.87
CRMS 3985	15.42	16.70	16.31	25.75	33.34	34.04	19.58	17.37	17.04	17.39	17.13	15.56
CRMS 0258	169.50	182.58	158.10	125.49	117.51	114.45	94.97	94.31	218.95	262.45	227.08	183.42
CRMS 0224	177.20	237.15	158.88	161.20	166.34	134.86	95.92	153.12	209.25	212.61	258.27	227.04
CRMS 0163	72.91	22.03	24.31	25.27	20.66	29.18	68.28	76.89	46.25	45.37	32.39	30.31
CRMS 0162	82.05	38.97	33.78	56.61	44.17	47.42	27.39	96.85	260.20	37.86	56.25	30.12

V3PR2 HYST - cy 1 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.94	14.37	15.78	16.89	14.63	17.51	18.72	19.96	21.86	19.88	19.78	17.67
CRMS0276 - Just east of Wilkinson Canal	295.97	182.70	199.77	164.28	149.27	167.44	216.43	302.51	320.66	326.33	301.99	232.74
Barataria Waterway at Lafitte (USACE82875)	80.75	29.53	28.77	23.40	21.88	29.14	52.90	71.77	52.43	54.53	43.33	35.45
USGS2928590900040000 Barataria Waterway South of Lafitte	28.75	15.07	19.82	23.56	15.98	22.23	19.00	25.19	52.66	45.89	62.73	47.55
USGS7380251 Barataria Bay North of Grand Isle	18.64	14.77	15.40	18.72	19.74	18.88	17.31	20.18	18.54	22.91	31.36	23.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	96.98	47.03	52.00	61.76	37.07	53.83	63.85	134.55	105.66	114.15	160.01	101.35
USGS 07380335 - Little Lake Near Cutoff	200.19	97.61	101.49	102.97	64.05	85.10	136.33	254.54	188.52	212.18	252.12	183.39
USGS073802516 Barataria Pass at Grand Isle	145.55	108.24	100.05	122.49	110.05	140.37	153.66	254.97	159.10	178.73	192.55	160.32
HWQ14 - Lake Washington	34.25	29.08	28.67	43.84	53.44	51.18	40.58	62.07	53.65	53.52	61.78	45.87
HWQ16 - Bayou Grand Liard	514.36	345.05	367.19	335.34	272.51	318.92	476.03	537.50	469.87	495.48	491.05	417.70
CRMS 3985	14.75	12.64	12.11	14.67	19.23	17.39	14.93	14.11	16.02	17.74	19.98	17.66
CRMS 0258	104.67	70.07	71.82	72.74	62.23	63.98	42.22	55.35	183.94	238.28	196.77	143.24
CRMS 0224	115.36	85.81	75.72	81.16	71.51	65.98	67.09	121.52	182.44	193.56	214.73	166.47
CRMS 0163	70.00	21.96	24.48	24.09	20.13	27.26	65.23	77.70	46.52	47.49	31.68	28.38
CRMS 0162	84.13	42.20	40.24	59.28	49.30	47.54	29.23	109.30	267.54	38.04	57.22	30.01

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-42.64	-77.12	-57.28	-82.54	-95.67	-75.10	-26.78	-20.07	-41.79	-49.10	-71.14	-72.93
CRMS0276 - Just east of Wilkinson Canal	-30.53	-20.93	-8.72	-13.88	-11.84	-21.26	-18.54	-22.81	-3.79	0.24	-7.97	-11.86
Barataria Waterway at Lafitte (USACE82875)	-5.66	0.08	-0.87	-1.32	-0.50	-2.77	-4.39	-3.12	-0.45	0.96	-1.80	-2.93
USGS2928590900040000 Barataria Waterway South of Lafitte	-68.83	-130.64	-92.29	-103.18	-120.12	-84.93	-45.00	-32.63	-60.59	-81.54	-93.68	-100.17
USGS7380251 Barataria Bay North of Grand Isle	-7.08	-21.38	-13.68	-32.06	-42.58	-29.82	-6.15	-0.56	-1.40	-1.11	-9.99	-7.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	-52.91	-133.64	-57.06	-77.64	-107.93	-64.34	-2.19	-16.88	-9.76	-8.21	-39.80	-54.66
USGS 07380335 - Little Lake Near Cutoff	-57.99	-153.22	-70.17	-83.13	-121.54	-70.21	-0.21	-22.37	-9.09	-3.29	-35.99	-53.62
USGS073802516 Barataria Pass at Grand Isle	-44.53	-121.71	-45.35	-75.38	-112.45	-63.60	7.53	-9.40	-0.54	4.36	-22.79	-44.94
HWQ14 - Lake Washington	-11.83	-39.67	-14.76	-38.21	-49.68	-36.90	4.28	11.38	7.05	9.08	-6.40	-12.04
HWQ16 - Bayou Grand Liard	-26.55	-71.69	-34.98	-54.66	-75.48	-40.89	-8.67	-21.91	-4.54	4.43	-18.00	-22.17
CRMS 3985	-0.67	-4.05	-4.20	-11.08	-14.11	-16.65	-4.65	-3.25	-1.02	0.35	2.85	2.11
CRMS 0258	-64.83	-112.51	-86.28	-52.75	-55.28	-50.47	-52.75	-38.97	-35.02	-24.17	-30.30	-40.18
CRMS 0224	-61.84	-151.34	-83.16	-80.04	-94.83	-68.87	-28.83	-31.60	-26.82	-19.05	-43.54	-60.57
CRMS 0163	-2.91	-0.07	0.17	-1.18	-0.53	-1.92	-3.04	0.81	0.27	2.12	-0.71	-1.93
CRMS 0162	2.08	3.23	6.46	2.68	5.13	0.11	1.84	12.45	7.34	0.17	0.97	-0.11

Figure WQ SO4 43 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.42	82.62	70.77	81.45	86.54	67.99	46.48	41.45	47.28	50.96	92.61	112.19
CRMS0276 - Just east of Wilkinson Canal	284.89	108.90	98.49	91.22	89.80	63.22	107.06	145.79	163.29	275.74	383.60	321.29
Barataria Waterway at Lafitte (USACE82875)	35.32	13.69	13.61	12.63	14.61	12.42	14.12	17.82	21.10	46.01	73.07	54.78
USGS2928590900040000 Barataria Waterway South of Lafitte	115.16	123.78	95.79	90.92	93.37	68.91	58.11	55.95	67.57	83.46	149.64	181.57
USGS7380251 Barataria Bay North of Grand Isle	30.96	37.78	39.51	57.91	67.89	52.84	35.50	30.21	21.76	23.79	45.14	38.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	152.17	153.82	105.09	124.69	129.51	101.63	83.49	117.68	79.41	105.19	210.57	192.54
USGS 07380335 - Little Lake Near Cutoff	246.44	200.07	139.96	148.14	153.01	117.52	116.78	168.91	120.60	182.29	307.80	291.36
USGS073802516 Barataria Pass at Grand Isle	191.89	193.34	134.56	172.73	190.64	156.93	137.14	185.53	106.75	153.49	230.43	243.39
HWQ14 - Lake Washington	54.23	68.59	59.37	90.70	108.19	91.17	62.96	70.06	44.22	43.83	73.71	69.44
HWQ16 - Bayou Grand Liard	478.34	314.79	302.47	305.28	272.47	229.89	309.62	342.70	320.17	454.47	561.06	501.41
CRMS 3985	18.34	20.15	22.14	37.29	48.03	43.46	30.22	23.87	18.21	17.68	22.19	21.34
CRMS 0258	175.05	138.03	74.39	73.81	70.60	40.98	39.99	47.70	97.54	170.49	254.68	280.85
CRMS 0224	195.53	184.28	118.99	116.16	117.77	84.18	84.53	108.43	118.28	152.83	260.41	279.02
CRMS 0163	25.32	11.84	13.16	13.04	14.61	12.60	14.59	17.62	20.61	39.87	57.78	37.56
CRMS 0162	24.25	16.65	20.06	31.60	28.21	19.24	14.41	19.04	34.81	29.44	115.95	36.25

V3PR2 HYST - cy 1 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.69	10.97	12.37	11.75	12.05	12.44	13.15	14.79	17.34	18.33	21.38	18.58
CRMS0276 - Just east of Wilkinson Canal	198.74	91.29	74.05	73.83	75.96	42.31	47.45	83.56	160.01	275.68	371.10	310.55
Barataria Waterway at Lafitte (USACE82875)	33.28	13.64	13.57	12.61	14.67	12.33	13.89	17.04	20.90	44.23	69.24	51.01
USGS2928590900040000 Barataria Waterway South of Lafitte	12.94	10.98	12.38	11.70	12.12	12.37	13.08	14.69	25.24	32.62	58.56	51.05
USGS7380251 Barataria Bay North of Grand Isle	14.94	11.82	11.90	11.39	12.18	11.61	11.52	12.42	12.31	16.18	30.84	24.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.62	16.94	14.99	14.57	15.33	13.34	12.72	23.42	50.10	81.46	166.48	116.89
USGS 07380335 - Little Lake Near Cutoff	77.03	33.28	22.31	22.86	22.44	16.44	15.14	42.54	91.66	163.40	267.04	218.30
USGS073802516 Barataria Pass at Grand Isle	66.49	45.67	28.66	36.33	45.36	34.21	23.31	53.61	78.70	136.17	200.46	183.42
HWQ14 - Lake Washington	25.50	17.83	13.39	17.37	24.80	20.52	12.82	15.03	29.61	35.88	62.11	48.33
HWQ16 - Bayou Grand Liard	379.69	206.32	187.33	180.98	164.62	136.62	201.43	256.13	306.72	445.55	544.50	473.53
CRMS 3985	15.29	12.72	11.12	10.87	11.84	11.11	10.61	10.47	10.15	12.09	18.17	18.08
CRMS 0258	49.40	21.11	14.91	21.09	23.17	14.50	12.17	16.02	65.31	151.53	213.00	215.88
CRMS 0224	45.41	27.57	17.84	23.72	25.04	15.69	12.55	21.16	78.19	133.18	210.27	195.76
CRMS 0163	24.61	11.86	13.06	12.99	14.51	12.52	14.25	16.81	20.84	38.73	56.24	35.73
CRMS 0162	25.25	16.83	21.90	31.30	29.98	20.00	14.50	18.78	34.41	29.86	113.14	34.80

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-54.74	-71.65	-58.40	-69.70	-74.49	-55.55	-33.33	-26.66	-29.94	-32.63	-71.23	-93.62
CRMS0276 - Just east of Wilkinson Canal	-86.16	-17.61	-24.44	-17.39	-13.84	-20.91	-59.61	-62.22	-3.29	-0.06	-12.50	-10.73
Barataria Waterway at Lafitte (USACE82875)	-2.03	-0.05	-0.04	-0.03	0.07	-0.09	-0.23	-0.78	-0.20	-1.77	-3.83	-3.77
USGS2928590900040000 Barataria Waterway South of Lafitte	-102.22	-112.80	-83.41	-79.22	-81.25	-56.54	-45.02	-41.27	-42.33	-50.84	-91.09	-130.52
USGS7380251 Barataria Bay North of Grand Isle	-16.02	-25.96	-27.61	-46.52	-55.72	-41.23	-23.99	-17.79	-9.45	-7.61	-14.30	-14.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	-122.55	-136.88	-90.10	-110.12	-114.18	-88.29	-70.78	-94.26	-29.31	-23.73	-44.09	-75.65
USGS 07380335 - Little Lake Near Cutoff	-169.41	-166.79	-117.65	-125.28	-130.57	-101.09	-101.64	-126.38	-28.94	-18.89	-40.76	-73.06
USGS073802516 Barataria Pass at Grand Isle	-125.41	-147.66	-105.90	-136.40	-145.28	-122.72	-113.82	-131.92	-28.04	-17.32	-29.97	-59.97
HWQ14 - Lake Washington	-28.73	-50.76	-45.97	-73.33	-83.39	-70.65	-50.14	-55.03	-14.62	-7.96	-11.60	-21.11
HWQ16 - Bayou Grand Liard	-98.66	-108.47	-115.14	-124.30	-107.85	-93.27	-108.19	-86.57	-13.45	-8.92	-16.56	-27.87
CRMS 3985	-3.05	-7.43	-11.02	-26.41	-36.19	-32.35	-19.61	-13.39	-8.06	-5.58	-4.02	-3.26
CRMS 0258	-125.65	-116.92	-59.48	-52.72	-47.44	-26.48	-27.83	-31.68	-32.23	-18.96	-41.68	-64.97
CRMS 0224	-150.12	-156.72	-101.16	-92.44	-92.73	-68.48	-71.99	-87.27	-40.09	-19.65	-50.14	-83.27
CRMS 0163	-0.71	0.03	-0.10	-0.05	-0.11	-0.07	-0.34	-0.82	0.23	-1.14	-1.54	-1.83
CRMS 0162	1.00	0.19	1.84	-0.30	1.77	0.76	0.09	-0.26	-0.40	0.42	-2.81	-1.46

Figure WQ SO4 44 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.16	91.35	73.86	87.07	82.15	54.29	39.30	37.96	48.90	48.57	86.12	103.51
CRMS0276 - Just east of Wilkinson Canal	229.20	304.71	165.62	81.63	46.98	33.80	85.44	156.19	190.65	313.05	403.70	179.78
Barataria Waterway at Lafitte (USACE82875)	51.41	57.85	19.01	12.28	12.91	11.91	13.24	20.51	24.05	58.90	75.31	24.13
USGS2928590900040000 Barataria Waterway South of Lafitte	96.53	142.97	124.18	98.59	82.49	49.43	46.86	50.52	73.41	83.98	144.79	172.08
USGS7380251 Barataria Bay North of Grand Isle	25.85	36.76	29.70	55.30	65.96	49.01	32.72	28.05	21.53	21.45	40.72	34.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	127.36	181.90	104.64	120.49	118.12	84.64	69.83	113.14	84.70	93.51	210.14	179.22
USGS 07380335 - Little Lake Near Cutoff	210.35	268.90	162.52	142.75	131.54	93.49	96.94	169.24	132.50	177.18	313.23	258.52
USGS073802516 Barataria Pass at Grand Isle	160.23	239.18	137.29	165.52	165.56	125.97	116.28	184.02	113.36	142.07	227.98	220.51
HWQ14 - Lake Washington	44.41	64.97	42.75	86.98	106.06	82.28	55.50	63.81	43.93	36.03	66.82	66.55
HWQ16 - Bayou Grand Liard	458.02	487.70	353.67	287.02	205.73	179.71	284.87	360.32	346.34	471.84	573.12	404.71
CRMS 3985	15.91	18.78	16.66	32.54	46.54	42.34	29.11	22.85	18.04	17.15	17.13	17.22
CRMS 0258	142.44	228.13	152.28	72.68	54.49	26.62	31.29	46.17	118.61	182.11	262.69	209.06
CRMS 0224	152.47	240.55	173.17	112.91	96.42	61.98	67.55	102.95	129.67	155.65	264.04	259.31
CRMS 0163	50.40	43.00	14.02	12.37	13.07	11.83	14.15	20.87	23.20	52.50	54.54	15.19
CRMS 0162	82.02	94.65	18.17	24.74	16.18	14.17	13.92	21.37	39.00	70.15	102.78	16.86

V3PR2 HYST - cy 1 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.12	19.76	11.88	11.35	12.85	11.75	13.02	15.82	18.44	19.49	21.40	11.92
CRMS0276 - Just east of Wilkinson Canal	184.05	289.29	154.22	64.70	38.21	24.40	37.80	114.27	182.98	312.55	395.77	176.62
Barataria Waterway at Lafitte (USACE82875)	47.26	54.50	18.88	12.22	12.93	11.90	13.12	19.68	23.59	58.85	71.67	24.18
USGS2928590900040000 Barataria Waterway South of Lafitte	17.04	37.38	12.83	11.37	12.81	11.70	12.95	16.33	31.82	34.86	58.86	12.01
USGS7380251 Barataria Bay North of Grand Isle	13.96	22.74	13.79	11.56	12.56	11.57	11.21	12.41	13.56	16.45	32.71	16.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	56.37	115.11	23.15	13.96	14.04	12.31	12.28	42.59	66.37	84.82	177.40	26.12
USGS 07380335 - Little Lake Near Cutoff	123.35	198.83	42.10	21.00	17.30	13.95	14.29	86.46	115.18	171.43	285.12	58.12
USGS073802516 Barataria Pass at Grand Isle	89.93	180.57	50.50	34.46	31.34	25.42	20.08	98.02	101.40	141.66	213.05	71.45
HWQ14 - Lake Washington	21.33	41.33	21.08	19.23	21.97	17.76	11.65	20.91	39.68	37.74	66.79	32.85
HWQ16 - Bayou Grand Liard	412.04	458.36	245.94	164.20	109.10	100.13	188.69	312.61	336.53	471.48	560.89	295.82
CRMS 3985	13.96	16.45	13.94	11.67	12.04	11.71	10.36	9.69	9.96	12.29	18.75	17.02
CRMS 0258	31.69	142.72	54.81	19.31	17.62	12.54	11.68	20.18	89.81	163.10	229.87	80.26
CRMS 0224	51.04	160.85	51.82	21.28	18.10	12.89	11.85	37.11	101.75	141.01	227.41	73.97
CRMS 0163	47.89	41.92	14.11	12.30	13.06	11.82	13.96	20.04	23.24	53.27	52.69	15.24
CRMS 0162	83.65	97.08	18.23	26.31	16.10	14.72	14.05	21.85	39.71	76.92	105.25	17.48

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-45.04	-71.59	-61.98	-75.72	-69.30	-42.54	-26.28	-22.14	-30.46	-29.08	-64.72	-91.59
CRMS0276 - Just east of Wilkinson Canal	-45.14	-15.42	-11.40	-16.93	-8.77	-9.40	-47.64	-41.92	-7.67	-0.50	-7.93	-3.16
Barataria Waterway at Lafitte (USACE82875)	-4.15	-3.35	-0.13	-0.06	0.02	-0.01	-0.12	-0.83	-0.46	-0.05	-3.65	0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	-79.49	-105.58	-111.35	-87.22	-69.68	-37.73	-33.91	-34.19	-41.59	-49.12	-85.93	-160.07
USGS7380251 Barataria Bay North of Grand Isle	-11.89	-14.02	-15.92	-43.74	-53.40	-37.45	-21.52	-15.64	-7.97	-5.00	-8.01	-18.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	-70.98	-66.79	-81.49	-106.53	-104.08	-72.33	-57.55	-70.55	-18.33	-8.69	-32.74	-153.10
USGS 07380335 - Little Lake Near Cutoff	-87.00	-70.07	-120.42	-121.75	-114.24	-79.54	-82.65	-82.78	-17.32	-5.75	-28.11	-200.40
USGS073802516 Barataria Pass at Grand Isle	-70.30	-58.61	-86.79	-131.06	-134.22	-100.54	-96.20	-86.00	-11.97	-0.41	-14.93	-149.06
HWQ14 - Lake Washington	-23.08	-23.65	-21.68	-67.76	-84.09	-64.52	-43.84	-42.89	-4.26	1.71	-0.04	-33.70
HWQ16 - Bayou Grand Liard	-45.98	-29.34	-107.73	-122.82	-96.63	-79.58	-96.18	-47.71	-9.81	-0.35	-12.23	-108.89
CRMS 3985	-1.95	-2.32	-2.72	-20.88	-34.49	-30.63	-18.75	-13.16	-8.08	-4.86	1.61	-0.20
CRMS 0258	-110.75	-85.41	-97.47	-53.37	-36.87	-14.09	-19.62	-25.99	-28.80	-19.01	-32.82	-128.81
CRMS 0224	-101.44	-79.70	-121.35	-91.64	-78.32	-49.09	-55.69	-65.83	-27.92	-14.64	-36.63	-185.34
CRMS 0163	-2.51	-1.08	0.09	-0.07	-0.01	-0.01	-0.19	-0.83	0.04	0.77	-1.86	0.05
CRMS 0162	1.63	2.43	0.06	1.56	-0.08	0.55	0.13	0.49	0.71	6.77	2.47	0.62

Figure WQ SO4 45 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	59.92	74.61	62.16	72.85	68.91	50.62	39.10	43.10	55.84	63.15	95.54	104.26
CRMS0276 - Just east of Wilkinson Canal	260.87	144.37	88.78	61.44	55.95	70.58	130.38	233.64	235.23	282.80	317.42	270.92
Barataria Waterway at Lafitte (USACE82875)	33.22	17.36	12.30	11.38	11.52	13.49	20.37	38.44	30.61	44.80	50.42	42.19
USGS2928590900040000 Barataria Waterway South of Lafitte	101.87	115.10	89.71	78.74	68.68	50.68	48.33	58.62	94.20	109.03	152.91	168.18
USGS7380251 Barataria Bay North of Grand Isle	27.75	30.17	30.24	51.31	57.41	42.88	29.81	23.99	19.68	25.11	45.76	37.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	141.04	142.40	94.65	109.04	104.45	82.80	77.62	131.17	94.50	117.44	202.44	172.99
USGS 07380335 - Little Lake Near Cutoff	229.19	197.58	131.55	125.89	120.03	99.99	119.46	218.89	152.78	196.37	288.00	260.23
USGS073802516 Barataria Pass at Grand Isle	177.71	186.99	124.02	151.10	154.40	138.49	138.82	220.14	128.57	166.43	222.01	222.19
HWQ14 - Lake Washington	49.38	57.35	47.51	82.28	93.86	75.53	54.90	58.17	42.31	47.69	75.46	65.57
HWQ16 - Bayou Grand Liard	463.22	348.03	287.76	261.56	219.42	231.03	354.21	446.87	395.53	460.41	512.26	463.46
CRMS 3985	16.32	14.09	14.80	31.60	41.37	36.22	24.42	18.00	16.54	17.38	22.15	20.52
CRMS 0258	144.12	132.26	80.04	59.02	44.51	33.15	39.86	76.96	165.04	205.94	238.18	239.44
CRMS 0224	174.88	180.39	116.75	95.47	83.70	68.47	77.97	130.78	163.45	178.09	252.45	252.90
CRMS 0163	25.66	14.83	11.75	11.29	11.50	13.63	25.15	40.12	28.41	38.42	39.08	30.52
CRMS 0162	30.47	26.92	15.85	20.98	19.93	23.57	18.58	27.76	48.41	27.45	77.76	31.93

V3PR3 HYST - cy 1 - 1975 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	13.14	12.17	11.32	10.98	11.03	13.19	15.37	18.12	19.43	18.83	20.68	18.06
CRMS0276 - Just east of Wilkinson Canal	187.56	123.67	74.21	51.68	42.85	50.25	77.68	196.86	232.02	285.70	315.05	265.13
Barataria Waterway at Lafitte (USACE82875)	32.60	17.77	12.43	11.36	11.49	13.48	19.20	36.15	30.40	45.35	49.29	40.36
USGS2928590900040000 Barataria Waterway South of Lafitte	14.72	12.20	11.33	11.00	11.03	13.04	14.47	20.87	43.23	43.38	66.44	54.78
USGS7380251 Barataria Bay North of Grand Isle	15.33	12.47	11.21	10.81	10.94	11.65	11.40	14.21	15.66	19.18	32.75	24.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	33.29	20.25	13.38	12.45	12.17	13.49	19.14	88.98	86.05	94.34	162.01	107.35
USGS 07380335 - Little Lake Near Cutoff	75.97	41.99	19.43	17.40	14.99	16.18	38.41	172.91	148.24	180.54	254.68	197.79
USGS073802516 Barataria Pass at Grand Isle	63.91	54.80	25.64	26.68	28.77	31.63	53.32	181.95	129.46	150.75	196.35	169.22
HWQ14 - Lake Washington	24.50	17.50	13.06	15.09	18.92	17.40	14.33	39.05	45.61	43.89	65.45	46.81
HWQ16 - Bayou Grand Liard	373.33	251.61	174.34	142.09	112.40	148.52	283.67	433.02	395.83	459.26	504.56	441.20
CRMS 3985	14.46	12.27	10.84	10.35	10.71	10.73	10.12	10.08	12.69	14.90	20.19	18.04
CRMS 0258	52.41	24.93	15.15	17.45	14.80	14.18	13.26	32.61	133.23	184.95	204.98	193.59
CRMS 0224	51.59	32.50	17.47	18.72	15.23	15.13	17.69	75.03	140.76	158.47	208.78	184.28
CRMS 0163	25.71	15.07	11.77	11.29	11.43	13.54	23.56	38.89	29.01	39.37	39.04	29.83
CRMS 0162	32.90	28.55	17.28	21.40	20.80	24.34	18.58	28.69	51.96	29.52	77.92	32.26

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.78	-62.44	-50.85	-61.87	-57.88	-37.43	-23.73	-24.98	-36.41	-44.32	-74.86	-86.20
CRMS0276 - Just east of Wilkinson Canal	-73.31	-20.71	-14.56	-9.76	-13.10	-20.33	-52.69	-36.78	-3.21	2.90	-2.36	-5.79
Barataria Waterway at Lafitte (USACE82875)	-0.62	0.41	0.13	-0.03	-0.03	-0.01	-1.17	-2.29	-0.21	0.55	-1.13	-1.84
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.15	-102.90	-78.38	-67.74	-57.65	-37.64	-33.86	-37.75	-50.97	-65.65	-86.48	-113.41
USGS7380251 Barataria Bay North of Grand Isle	-12.43	-17.70	-19.03	-40.50	-46.48	-31.23	-18.41	-9.78	-4.02	-5.93	-13.01	-13.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	-107.75	-122.15	-81.27	-96.59	-92.29	-69.31	-58.48	-42.19	-8.45	-23.10	-40.44	-65.64
USGS 07380335 - Little Lake Near Cutoff	-153.22	-155.59	-112.12	-108.49	-105.04	-83.81	-81.04	-45.97	-4.54	-15.83	-33.32	-62.44
USGS073802516 Barataria Pass at Grand Isle	-113.79	-132.20	-98.38	-124.42	-125.63	-106.86	-85.49	-38.20	0.89	-15.68	-25.66	-52.96
HWQ14 - Lake Washington	-24.88	-39.85	-34.45	-67.19	-74.94	-58.13	-40.57	-19.13	3.31	-3.80	-10.02	-18.76
HWQ16 - Bayou Grand Liard	-89.89	-96.42	-113.41	-119.48	-107.02	-82.51	-70.54	-13.85	0.30	-1.15	-7.70	-22.26
CRMS 3985	-1.87	-1.81	-3.95	-21.25	-30.66	-25.50	-14.30	-7.92	-3.85	-2.48	-1.95	-2.48
CRMS 0258	-91.71	-107.32	-64.89	-41.57	-29.71	-18.97	-26.60	-44.35	-31.81	-20.99	-33.19	-45.86
CRMS 0224	-123.29	-147.89	-99.28	-76.76	-68.47	-53.34	-60.27	-55.75	-22.70	-19.62	-43.67	-68.62
CRMS 0163	0.05	0.24	0.02	0.00	-0.06	-0.09	-1.59	-1.22	0.60	0.95	-0.05	-0.69
CRMS 0162	2.43	1.63	1.42	0.43	0.87	0.77	0.00	0.94	3.55	2.06	0.16	0.33

Figure WQ SO4 46 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.03	78.15	65.41	67.88	69.70	49.64	43.34	33.43	52.30	63.38	103.27	111.51
CRMS0276 - Just east of Wilkinson Canal	255.06	139.68	69.72	68.88	47.23	90.85	169.83	220.87	251.09	362.78	394.86	241.73
Barataria Waterway at Lafitte (USACE82875)	41.25	16.35	11.26	11.54	11.22	17.50	24.44	34.15	33.78	69.86	65.96	32.96
USGS2928590900040000 Barataria Waterway South of Lafitte	102.27	121.37	92.42	72.06	69.22	48.00	52.65	47.66	86.30	110.35	171.53	188.75
USGS7380251 Barataria Bay North of Grand Isle	26.55	31.79	32.37	49.98	57.93	43.67	32.64	21.12	20.09	25.26	46.79	35.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	138.18	152.02	92.82	103.43	104.83	82.02	87.39	94.95	98.15	128.96	227.78	182.54
USGS 07380335 - Little Lake Near Cutoff	228.20	208.67	124.59	122.15	118.53	101.53	139.30	176.96	161.35	224.41	329.68	269.32
USGS073802516 Barataria Pass at Grand Isle	175.29	196.21	119.91	147.31	150.78	141.79	156.36	175.81	134.57	186.03	246.26	227.20
HWQ14 - Lake Washington	47.08	60.41	49.74	78.95	94.96	73.85	56.35	40.41	44.73	49.00	78.01	66.64
HWQ16 - Bayou Grand Liard	476.31	346.59	264.87	267.05	206.14	258.50	391.70	424.86	404.56	516.81	568.26	449.53
CRMS 3985	14.91	15.27	17.17	32.58	42.62	37.59	26.68	18.05	16.79	18.03	18.45	16.20
CRMS 0258	144.52	142.00	78.17	53.63	44.63	32.45	51.92	73.45	161.79	230.35	301.39	232.99
CRMS 0224	170.27	192.90	113.76	89.04	83.56	65.53	91.03	106.49	163.35	196.29	292.38	272.97
CRMS 0163	36.82	13.43	11.00	11.50	11.22	17.53	26.75	35.81	31.10	58.60	47.16	23.53
CRMS 0162	39.40	22.71	14.25	21.62	16.46	31.27	19.54	32.21	105.15	127.59	84.09	26.14

V3PR3 HYST - cy 1 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.54	11.48	10.85	10.93	10.98	15.10	15.80	17.86	20.03	20.32	21.83	15.57
CRMS0276 - Just east of Wilkinson Canal	199.86	119.91	55.88	56.16	36.91	70.86	135.53	205.93	251.76	358.71	387.05	234.62
Barataria Waterway at Lafitte (USACE82875)	39.95	16.61	11.31	11.59	11.21	16.70	23.42	33.46	33.07	70.58	64.05	32.06
USGS2928590900040000 Barataria Waterway South of Lafitte	15.99	11.55	10.85	10.95	10.96	14.05	15.51	20.88	44.06	45.57	75.58	47.54
USGS7380251 Barataria Bay North of Grand Isle	14.74	11.92	10.62	10.62	10.83	11.33	11.28	14.96	16.16	19.89	35.70	22.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	35.36	18.34	12.10	12.16	11.99	20.13	36.53	94.90	90.27	103.93	185.25	79.00
USGS 07380335 - Little Lake Near Cutoff	87.61	37.44	16.47	16.84	14.54	31.16	78.77	176.94	157.68	203.78	292.30	150.65
USGS073802516 Barataria Pass at Grand Isle	68.88	48.65	21.60	25.89	26.71	59.73	97.83	187.28	135.88	169.23	219.39	138.32
HWQ14 - Lake Washington	21.79	16.00	11.78	14.16	18.63	19.91	21.96	45.60	48.66	46.86	71.00	45.47
HWQ16 - Bayou Grand Liard	400.51	236.20	145.98	146.92	103.90	199.04	354.22	423.47	412.66	512.21	555.77	393.94
CRMS 3985	13.70	11.78	10.01	9.92	10.51	10.21	9.50	10.08	12.73	15.37	20.84	18.34
CRMS 0258	40.35	26.35	13.30	16.24	14.58	15.94	20.32	37.93	137.75	205.43	258.55	160.02
CRMS 0224	45.72	33.01	14.95	17.62	14.85	19.25	37.72	82.41	146.41	173.89	243.22	155.39
CRMS 0163	35.60	13.53	11.01	11.49	11.20	17.03	25.87	35.78	31.03	60.74	46.59	23.17
CRMS 0162	41.90	23.95	14.54	21.51	16.74	31.33	19.58	32.38	109.80	128.16	86.97	26.29

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.50	-66.68	-54.56	-56.95	-58.71	-34.53	-27.53	-15.57	-32.27	-43.06	-81.44	-95.94
CRMS0276 - Just east of Wilkinson Canal	-55.20	-19.77	-13.84	-12.72	-10.32	-19.99	-34.30	-14.94	0.67	-4.07	-7.81	-7.11
Barataria Waterway at Lafitte (USACE82875)	-1.30	0.25	0.05	0.05	-0.01	-0.80	-1.02	-0.70	-0.70	0.72	-1.90	-0.90
USGS2928590900040000 Barataria Waterway South of Lafitte	-86.28	-109.82	-81.57	-61.11	-58.26	-33.95	-37.14	-26.78	-42.24	-64.78	-95.95	-141.21
USGS7380251 Barataria Bay North of Grand Isle	-11.82	-19.87	-21.75	-39.36	-47.10	-32.34	-21.36	-6.16	-3.93	-5.36	-11.09	-12.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	-102.82	-133.68	-80.72	-91.27	-92.85	-61.89	-50.86	-0.05	-7.87	-25.03	-42.52	-103.54
USGS 07380335 - Little Lake Near Cutoff	-140.59	-171.22	-108.11	-105.31	-104.00	-70.37	-60.53	-0.02	-3.67	-20.63	-37.38	-118.67
USGS073802516 Barataria Pass at Grand Isle	-106.40	-147.56	-98.31	-121.43	-124.07	-82.07	-58.53	11.48	1.31	-16.81	-26.87	-88.88
HWQ14 - Lake Washington	-25.29	-44.41	-37.96	-64.78	-76.33	-53.94	-34.40	5.20	3.93	-2.14	-7.01	-21.17
HWQ16 - Bayou Grand Liard	-75.81	-110.39	-118.89	-120.13	-102.24	-59.46	-37.47	-1.39	8.11	-4.60	-12.49	-55.59
CRMS 3985	-1.20	-3.49	-7.16	-22.67	-32.11	-27.38	-17.19	-7.97	-4.06	-2.66	2.39	2.14
CRMS 0258	-104.16	-115.65	-64.87	-37.39	-30.05	-16.51	-31.60	-35.52	-24.04	-24.92	-42.84	-72.97
CRMS 0224	-124.55	-159.89	-98.81	-71.42	-68.72	-46.29	-53.31	-24.08	-16.94	-22.40	-49.17	-117.58
CRMS 0163	-1.22	0.10	0.01	0.00	-0.02	-0.51	-0.89	-0.02	-0.06	2.13	-0.57	-0.35
CRMS 0162	2.50	1.24	0.28	-0.12	0.27	0.06	0.04	0.17	4.65	0.58	2.88	0.15

Figure WQ SO4 47 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	60.57	91.49	73.07	99.43	110.30	92.60	45.50	40.03	63.66	68.97	90.91	90.60
CRMS0276 - Just east of Wilkinson Canal	326.50	203.63	208.49	178.16	161.11	188.70	234.97	325.32	324.45	326.09	309.96	244.60
Barataria Waterway at Lafitte (USACE82875)	86.42	29.45	29.64	24.73	22.39	31.91	57.30	74.89	52.88	53.56	45.13	38.37
USGS2928590900040000 Barataria Waterway South of Lafitte	97.58	145.71	112.10	126.74	136.10	107.16	64.00	57.81	113.24	127.43	156.41	147.73
USGS7380251 Barataria Bay North of Grand Isle	25.72	36.14	29.08	50.79	62.31	48.70	23.47	20.74	19.94	24.03	41.35	30.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	149.90	180.67	109.06	139.40	144.99	118.17	66.04	151.44	115.42	122.36	199.81	156.01
USGS 07380335 - Little Lake Near Cutoff	258.19	250.83	171.66	186.10	185.59	155.30	136.54	276.90	197.61	215.46	288.10	237.00
USGS073802516 Barataria Pass at Grand Isle	190.08	229.96	145.40	197.87	222.49	203.98	146.13	264.38	159.65	174.37	215.34	205.26
HWQ14 - Lake Washington	46.08	68.75	43.43	82.06	103.11	88.08	36.30	50.69	46.60	44.45	68.18	57.91
HWQ16 - Bayou Grand Liard	540.91	416.74	402.17	390.00	347.99	359.81	484.70	559.41	474.40	491.05	509.04	439.87
CRMS 3985	15.42	16.70	16.31	25.75	33.34	34.04	19.58	17.37	17.04	17.39	17.13	15.56
CRMS 0258	169.50	182.58	158.10	125.49	117.51	114.45	94.97	94.31	218.95	262.45	227.08	183.42
CRMS 0224	177.20	237.15	158.88	161.20	166.34	134.86	95.92	153.12	209.25	212.61	258.27	227.04
CRMS 0163	72.91	22.03	24.31	25.27	20.66	29.18	68.28	76.89	46.25	45.37	32.39	30.31
CRMS 0162	82.05	38.97	33.78	56.61	44.17	47.42	27.39	96.85	260.20	37.86	56.25	30.12

V3PR3 HYST - cy 1 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.83	14.38	15.80	16.89	14.62	17.51	18.71	19.99	21.55	19.82	20.00	17.92
CRMS0276 - Just east of Wilkinson Canal	298.96	182.63	201.88	166.46	148.08	172.00	218.27	310.15	318.46	332.28	308.03	237.18
Barataria Waterway at Lafitte (USACE82875)	82.80	29.62	28.97	24.01	22.19	29.63	52.31	75.01	51.87	54.22	44.45	37.02
USGS2928590900040000 Barataria Waterway South of Lafitte	31.01	15.13	20.88	24.29	15.83	23.18	19.22	25.65	55.32	52.51	71.70	52.20
USGS7380251 Barataria Bay North of Grand Isle	16.21	14.06	14.97	18.32	19.19	18.51	16.99	19.75	18.27	22.80	31.82	22.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	96.13	46.97	50.83	61.26	35.32	52.59	63.84	137.10	105.65	115.12	162.27	102.35
USGS 07380335 - Little Lake Near Cutoff	200.65	97.50	100.99	104.74	61.68	84.28	136.48	263.70	187.29	213.85	256.91	185.04
USGS073802516 Barataria Pass at Grand Isle	144.89	108.60	98.79	123.65	107.58	138.54	153.32	257.00	159.04	180.22	193.53	162.28
HWQ14 - Lake Washington	31.83	27.60	27.56	44.24	50.57	49.29	39.65	62.30	52.94	54.03	62.33	45.65
HWQ16 - Bayou Grand Liard	513.67	349.44	369.05	335.46	267.09	319.45	478.64	551.28	470.44	499.73	496.52	420.25
CRMS 3985	11.45	11.54	11.54	14.38	18.47	16.95	14.64	13.84	15.81	17.61	19.94	16.79
CRMS 0258	106.97	71.47	73.17	73.73	61.81	64.26	42.46	56.96	185.60	238.08	202.52	146.78
CRMS 0224	116.53	86.95	76.62	82.41	70.25	66.48	67.23	125.47	184.02	194.33	221.70	169.58
CRMS 0163	70.77	22.21	24.44	24.61	20.49	27.28	64.23	80.62	46.29	46.67	31.65	29.94
CRMS 0162	84.49	41.44	38.23	59.19	45.26	48.96	29.96	108.69	270.54	39.00	57.05	30.21

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-42.75	-77.11	-57.26	-82.53	-95.68	-75.10	-26.78	-20.04	-42.11	-49.15	-70.91	-72.68
CRMS0276 - Just east of Wilkinson Canal	-27.54	-20.99	-6.61	-11.70	-13.03	-16.69	-16.70	-15.17	-6.00	6.19	-1.94	-7.42
Barataria Waterway at Lafitte (USACE82875)	-3.61	0.17	-0.67	-0.72	-0.20	-2.28	-4.98	0.12	-1.01	0.66	-0.68	-1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	-66.56	-130.58	-91.22	-102.45	-120.27	-83.97	-44.77	-32.17	-57.92	-74.92	-84.71	-95.53
USGS7380251 Barataria Bay North of Grand Isle	-9.51	-22.08	-14.11	-32.46	-43.13	-30.19	-6.47	-0.99	-1.67	-1.23	-9.54	-7.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	-53.77	-133.70	-58.23	-78.14	-109.67	-65.58	-2.20	-14.34	-9.77	-7.23	-37.53	-53.66
USGS 07380335 - Little Lake Near Cutoff	-57.54	-153.33	-70.66	-81.36	-123.91	-71.02	-0.05	-13.20	-10.32	-1.61	-31.19	-51.96
USGS073802516 Barataria Pass at Grand Isle	-45.19	-121.36	-46.61	-74.22	-114.92	-65.43	7.19	-7.37	-0.61	5.85	-21.82	-42.98
HWQ14 - Lake Washington	-14.24	-41.15	-15.87	-37.81	-52.54	-38.79	3.35	11.61	6.34	9.59	-5.85	-12.27
HWQ16 - Bayou Grand Liard	-27.24	-67.30	-33.11	-54.54	-80.90	-40.36	-6.06	-8.13	-3.96	8.67	-12.53	-19.62
CRMS 3985	-3.97	-5.15	-4.77	-11.37	-14.87	-17.10	-4.94	-3.52	-1.24	0.23	2.81	1.24
CRMS 0258	-62.53	-111.12	-84.93	-51.76	-55.70	-50.20	-52.52	-37.35	-33.35	-24.37	-24.56	-36.64
CRMS 0224	-60.67	-150.20	-82.26	-78.79	-96.09	-68.38	-28.69	-27.65	-25.23	-18.28	-36.57	-57.46
CRMS 0163	-2.13	0.18	0.13	-0.65	-0.17	-1.90	-4.05	3.73	0.04	1.30	-0.74	-0.37
CRMS 0162	2.44	2.47	4.45	2.58	1.09	1.53	2.58	11.84	10.33	1.13	0.80	0.09

Figure WQ SO4 48 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.42	82.62	70.77	81.45	86.54	67.99	46.48	41.45	47.28	50.96	92.61	112.19
CRMS0276 - Just east of Wilkinson Canal	284.89	108.90	98.49	91.22	89.80	63.22	107.06	145.79	163.29	275.74	383.60	321.29
Barataria Waterway at Lafitte (USACE82875)	35.32	13.69	13.61	12.63	14.61	12.42	14.12	17.82	21.10	46.01	73.07	54.78
USGS2928590900040000 Barataria Waterway South of Lafitte	115.16	123.78	95.79	90.92	93.37	68.91	58.11	55.95	67.57	83.46	149.64	181.57
USGS7380251 Barataria Bay North of Grand Isle	30.96	37.78	39.51	57.91	67.89	52.84	35.50	30.21	21.76	23.79	45.14	38.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	152.17	153.82	105.09	124.69	129.51	101.63	83.49	117.68	79.41	105.19	210.57	192.54
USGS 07380335 - Little Lake Near Cutoff	246.44	200.07	139.96	148.14	153.01	117.52	116.78	168.91	120.60	182.29	307.80	291.36
USGS073802516 Barataria Pass at Grand Isle	191.89	193.34	134.56	172.73	190.64	156.93	137.14	185.53	106.75	153.49	230.43	243.39
HWQ14 - Lake Washington	54.23	68.59	59.37	90.70	108.19	91.17	62.96	70.06	44.22	43.83	73.71	69.44
HWQ16 - Bayou Grand Liard	478.34	314.79	302.47	305.28	272.47	229.89	309.62	342.70	320.17	454.47	561.06	501.41
CRMS 3985	18.34	20.15	22.14	37.29	48.03	43.46	30.22	23.87	18.21	17.68	22.19	21.34
CRMS 0258	175.05	138.03	74.39	73.81	70.60	40.98	39.99	47.70	97.54	170.49	254.68	280.85
CRMS 0224	195.53	184.28	118.99	116.16	117.77	84.18	84.53	108.43	118.28	152.83	260.41	279.02
CRMS 0163	25.32	11.84	13.16	13.04	14.61	12.60	14.59	17.62	20.61	39.87	57.78	37.56
CRMS 0162	24.25	16.65	20.06	31.60	28.21	19.24	14.41	19.04	34.81	29.44	115.95	36.25

V3PR3 HYST - cy 1 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.68	10.97	12.37	11.75	12.05	12.44	13.15	14.80	17.22	18.46	21.72	18.79
CRMS0276 - Just east of Wilkinson Canal	202.72	93.14	76.87	73.99	77.81	42.03	47.56	88.30	161.39	271.20	369.82	312.72
Barataria Waterway at Lafitte (USACE82875)	34.69	13.82	13.69	12.66	14.94	12.38	14.04	17.41	21.13	44.45	70.10	52.58
USGS2928590900040000 Barataria Waterway South of Lafitte	13.21	10.99	12.37	11.69	12.18	12.33	13.05	14.65	25.98	36.13	66.03	57.35
USGS7380251 Barataria Bay North of Grand Isle	14.96	11.82	11.91	11.38	12.13	11.61	11.53	12.45	12.39	16.49	31.95	24.64
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.70	17.16	14.89	14.40	15.15	13.27	12.70	24.14	50.75	82.42	167.08	117.20
USGS 07380335 - Little Lake Near Cutoff	77.70	33.52	22.15	22.21	22.20	16.23	15.16	44.54	93.29	163.37	267.09	217.68
USGS073802516 Barataria Pass at Grand Isle	66.71	45.75	27.76	34.90	44.23	33.33	23.07	55.90	80.26	136.55	201.48	184.65
HWQ14 - Lake Washington	25.46	17.81	13.32	17.13	24.44	20.01	12.66	15.09	30.29	36.59	63.29	48.95
HWQ16 - Bayou Grand Liard	381.52	206.33	192.27	176.89	162.82	135.35	203.44	269.66	309.80	443.17	541.89	475.64
CRMS 3985	15.36	12.72	11.13	10.86	11.78	11.10	10.62	10.51	10.19	12.20	18.51	18.36
CRMS 0258	51.30	22.04	15.12	21.69	23.33	14.93	12.14	16.12	67.50	151.85	214.95	219.81
CRMS 0224	46.60	28.56	18.17	24.19	25.39	15.96	12.52	21.82	80.29	134.56	211.95	197.40
CRMS 0163	25.66	11.90	13.19	13.29	14.81	12.55	14.44	17.16	20.98	39.69	56.67	36.71
CRMS 0162	26.55	17.51	21.63	31.20	28.34	19.95	14.59	19.21	33.86	28.97	121.15	36.74

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-54.74	-71.65	-58.40	-69.70	-74.49	-55.55	-33.33	-26.65	-30.06	-32.50	-70.89	-93.40
CRMS0276 - Just east of Wilkinson Canal	-82.18	-15.76	-21.61	-17.22	-12.00	-21.18	-59.50	-57.49	-1.91	-4.54	-13.79	-8.56
Barataria Waterway at Lafitte (USACE82875)	-0.63	0.14	0.08	0.03	0.34	-0.04	-0.08	-0.41	0.02	-1.55	-2.97	-2.20
USGS2928590900040000 Barataria Waterway South of Lafitte	-101.95	-112.79	-83.42	-79.23	-81.19	-56.58	-45.05	-41.30	-41.59	-47.34	-83.61	-124.22
USGS7380251 Barataria Bay North of Grand Isle	-15.99	-25.96	-27.60	-46.53	-55.76	-41.24	-23.97	-17.76	-9.37	-7.30	-13.20	-14.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	-122.47	-136.67	-90.20	-110.29	-114.36	-88.36	-70.80	-93.54	-28.66	-22.77	-43.49	-75.34
USGS 07380335 - Little Lake Near Cutoff	-168.75	-166.54	-117.81	-125.93	-130.81	-101.29	-101.63	-124.38	-27.31	-18.92	-40.71	-73.68
USGS073802516 Barataria Pass at Grand Isle	-125.18	-147.58	-106.80	-137.83	-146.40	-123.61	-114.07	-129.62	-26.49	-16.94	-28.96	-58.74
HWQ14 - Lake Washington	-28.77	-50.78	-46.05	-73.57	-83.75	-71.16	-50.30	-54.97	-13.94	-7.25	-10.42	-20.49
HWQ16 - Bayou Grand Liard	-96.83	-108.46	-110.19	-128.39	-109.66	-94.55	-106.18	-73.04	-10.37	-11.30	-19.17	-25.77
CRMS 3985	-2.98	-7.43	-11.01	-26.42	-36.24	-32.36	-19.61	-13.35	-8.01	-5.47	-3.68	-2.97
CRMS 0258	-123.75	-115.99	-59.27	-52.12	-47.27	-26.06	-27.85	-31.59	-30.04	-18.63	-39.73	-61.04
CRMS 0224	-148.93	-155.72	-100.82	-91.97	-92.38	-68.21	-72.01	-86.61	-37.99	-18.27	-48.46	-81.62
CRMS 0163	0.34	0.06	0.03	0.25	0.20	-0.05	-0.15	-0.46	0.37	-0.17	-1.12	-0.86
CRMS 0162	2.30	0.87	1.58	-0.41	0.13	0.71	0.19	0.17	-0.95	-0.47	5.21	0.49

Figure WQ SO4 49 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.16	91.35	73.86	87.07	82.15	54.29	39.30	37.96	48.90	48.57	86.12	103.51
CRMS0276 - Just east of Wilkinson Canal	229.20	304.71	165.62	81.63	46.98	33.80	85.44	156.19	190.65	313.05	403.70	179.78
Barataria Waterway at Lafitte (USACE82875)	51.41	57.85	19.01	12.28	12.91	11.91	13.24	20.51	24.05	58.90	75.31	24.13
USGS2928590900040000 Barataria Waterway South of Lafitte	96.53	142.97	124.18	98.59	82.49	49.43	46.86	50.52	73.41	83.98	144.79	172.08
USGS7380251 Barataria Bay North of Grand Isle	25.85	36.76	29.70	55.30	65.96	49.01	32.72	28.05	21.53	21.45	40.72	34.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	127.36	181.90	104.64	120.49	118.12	84.64	69.83	113.14	84.70	93.51	210.14	179.22
USGS 07380335 - Little Lake Near Cutoff	210.35	268.90	162.52	142.75	131.54	93.49	96.94	169.24	132.50	177.18	313.23	258.52
USGS073802516 Barataria Pass at Grand Isle	160.23	239.18	137.29	165.52	165.56	125.97	116.28	184.02	113.36	142.07	227.98	220.51
HWQ14 - Lake Washington	44.41	64.97	42.75	86.98	106.06	82.28	55.50	63.81	43.93	36.03	66.82	66.55
HWQ16 - Bayou Grand Liard	458.02	487.70	353.67	287.02	205.73	179.71	284.87	360.32	346.34	471.84	573.12	404.71
CRMS 3985	15.91	18.78	16.66	32.54	46.54	42.34	29.11	22.85	18.04	17.15	17.13	17.22
CRMS 0258	142.44	228.13	152.28	72.68	54.49	26.62	31.29	46.17	118.61	182.11	262.69	209.06
CRMS 0224	152.47	240.55	173.17	112.91	96.42	61.98	67.55	102.95	129.67	155.65	264.04	259.31
CRMS 0163	50.40	43.00	14.02	12.37	13.07	11.83	14.15	20.87	23.20	52.50	54.54	15.19
CRMS 0162	82.02	94.65	18.17	24.74	16.18	14.17	13.92	21.37	39.00	70.15	102.78	16.86

V3PR3 HYST - cy 1 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.36	19.70	11.88	11.35	12.85	11.67	13.02	15.83	18.28	19.56	21.35	11.92
CRMS0276 - Just east of Wilkinson Canal	181.52	288.59	155.74	66.14	38.01	24.30	38.01	114.61	185.78	313.59	399.73	178.98
Barataria Waterway at Lafitte (USACE82875)	47.05	54.49	18.97	12.21	12.91	11.83	13.14	19.72	23.82	58.72	73.54	24.51
USGS2928590900040000 Barataria Waterway South of Lafitte	17.32	40.48	13.17	11.38	12.80	11.60	12.91	16.23	33.02	38.64	66.12	12.11
USGS7380251 Barataria Bay North of Grand Isle	13.54	20.20	13.15	11.41	12.49	11.49	11.23	12.43	13.60	16.53	32.79	15.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	55.29	113.70	22.74	13.90	13.96	12.21	12.28	42.58	66.57	86.52	177.87	26.72
USGS 07380335 - Little Lake Near Cutoff	121.25	196.86	41.38	21.07	17.16	13.84	14.28	86.97	116.10	174.86	287.86	59.35
USGS073802516 Barataria Pass at Grand Isle	88.35	178.36	48.58	34.07	31.14	25.13	20.04	98.12	102.19	145.04	215.34	72.49
HWQ14 - Lake Washington	21.10	38.93	19.37	18.49	21.64	17.62	11.56	20.89	39.28	38.50	67.66	32.40
HWQ16 - Bayou Grand Liard	406.67	455.43	244.13	166.29	109.30	99.58	189.62	315.97	342.84	476.35	565.40	299.62
CRMS 3985	12.67	13.10	12.91	11.28	11.86	11.60	10.34	9.69	9.94	12.25	18.93	16.86
CRMS 0258	31.90	143.58	56.28	19.79	17.96	12.61	11.63	20.16	91.19	164.31	233.51	82.22
CRMS 0224	50.46	160.04	52.68	21.52	18.20	12.95	11.83	37.38	102.82	142.71	230.46	76.30
CRMS 0163	47.85	41.84	14.17	12.26	13.06	11.73	13.96	20.10	23.37	53.40	54.30	15.28
CRMS 0162	83.92	96.03	18.36	25.55	16.00	14.90	14.05	21.80	39.85	78.59	103.54	17.20

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-44.80	-71.65	-61.98	-75.72	-69.30	-42.62	-26.28	-22.13	-30.63	-29.01	-64.77	-91.59
CRMS0276 - Just east of Wilkinson Canal	-47.68	-16.12	-9.88	-15.48	-8.97	-9.50	-47.43	-41.58	-4.87	0.55	-3.97	-0.80
Barataria Waterway at Lafitte (USACE82875)	-4.36	-3.37	-0.04	-0.07	0.00	-0.08	-0.11	-0.80	-0.23	-0.18	-1.77	0.38
USGS2928590900040000 Barataria Waterway South of Lafitte	-79.21	-102.49	-111.01	-87.20	-69.70	-37.82	-33.95	-34.29	-40.39	-45.34	-78.67	-159.97
USGS7380251 Barataria Bay North of Grand Isle	-12.31	-16.56	-16.56	-43.88	-53.47	-37.52	-21.50	-15.62	-7.93	-4.92	-7.93	-18.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	-72.06	-68.20	-81.90	-106.59	-104.16	-72.42	-57.55	-70.55	-18.13	-6.99	-32.27	-152.50
USGS 07380335 - Little Lake Near Cutoff	-89.10	-72.04	-121.14	-121.68	-114.38	-79.65	-82.65	-82.27	-16.40	-2.32	-25.37	-199.18
USGS073802516 Barataria Pass at Grand Isle	-71.88	-60.82	-88.70	-131.45	-134.42	-100.84	-96.24	-85.91	-11.17	2.98	-12.64	-148.01
HWQ14 - Lake Washington	-23.30	-26.04	-23.38	-68.49	-84.42	-64.66	-43.94	-42.91	-4.65	2.47	0.83	-34.15
HWQ16 - Bayou Grand Liard	-51.35	-32.27	-109.54	-120.74	-96.43	-80.12	-95.26	-44.35	-3.50	4.51	-7.72	-105.08
CRMS 3985	-3.24	-5.67	-3.75	-21.26	-34.67	-30.74	-18.78	-13.16	-8.09	-4.89	1.80	-0.36
CRMS 0258	-110.54	-84.55	-96.00	-52.89	-36.53	-14.01	-19.66	-26.01	-27.41	-17.80	-29.17	-126.84
CRMS 0224	-102.01	-80.50	-120.49	-91.39	-78.22	-49.03	-55.71	-65.57	-26.85	-12.94	-33.58	-183.01
CRMS 0163	-2.55	-1.16	0.15	-0.11	-0.01	-0.10	-0.19	-0.76	0.17	0.90	-0.25	0.09
CRMS 0162	1.90	1.38	0.19	0.81	-0.18	0.73	0.12	0.43	0.85	8.45	0.76	0.34

Figure WQ SO4 50 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	59.92	74.61	62.16	72.85	68.91	50.62	39.10	43.10	55.84	63.15	95.54	104.26
CRMS0276 - Just east of Wilkinson Canal	260.87	144.37	88.78	61.44	55.95	70.58	130.38	233.64	235.23	282.80	317.42	270.92
Barataria Waterway at Lafitte (USACE82875)	33.22	17.36	12.30	11.38	11.52	13.49	20.37	38.44	30.61	44.80	50.42	42.19
USGS2928590900040000 Barataria Waterway South of Lafitte	101.87	115.10	89.71	78.74	68.68	50.68	48.33	58.62	94.20	109.03	152.91	168.18
USGS7380251 Barataria Bay North of Grand Isle	27.75	30.17	30.24	51.31	57.41	42.88	29.81	23.99	19.68	25.11	45.76	37.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	141.04	142.40	94.65	109.04	104.45	82.80	77.62	131.17	94.50	117.44	202.44	172.99
USGS 07380335 - Little Lake Near Cutoff	229.19	197.58	131.55	125.89	120.03	99.99	119.46	218.89	152.78	196.37	288.00	260.23
USGS073802516 Barataria Pass at Grand Isle	177.71	186.99	124.02	151.10	154.40	138.49	138.82	220.14	128.57	166.43	222.01	222.19
HWQ14 - Lake Washington	49.38	57.35	47.51	82.28	93.86	75.53	54.90	58.17	42.31	47.69	75.46	65.57
HWQ16 - Bayou Grand Liard	463.22	348.03	287.76	261.56	219.42	231.03	354.21	446.87	395.53	460.41	512.26	463.46
CRMS 3985	16.32	14.09	14.80	31.60	41.37	36.22	24.42	18.00	16.54	17.38	22.15	20.52
CRMS 0258	144.12	132.26	80.04	59.02	44.51	33.15	39.86	76.96	165.04	205.94	238.18	239.44
CRMS 0224	174.88	180.39	116.75	95.47	83.70	68.47	77.97	130.78	163.45	178.09	252.45	252.90
CRMS 0163	25.66	14.83	11.75	11.29	11.50	13.63	25.15	40.12	28.41	38.42	39.08	30.52
CRMS 0162	30.47	26.92	15.85	20.98	19.93	23.57	18.58	27.76	48.41	27.45	77.76	31.93

V3PR4 HYST - cy 1 - 1975 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	13.13	12.17	11.32	10.98	11.04	13.19	15.35	18.05	19.60	18.85	21.09	18.10
CRMS0276 - Just east of Wilkinson Canal	171.74	112.44	61.27	47.06	36.96	43.32	72.22	196.75	236.25	286.77	312.61	264.51
Barataria Waterway at Lafitte (USACE82875)	33.45	18.10	12.55	11.40	11.51	13.51	18.91	36.06	31.11	45.17	48.48	40.76
USGS2928590900040000 Barataria Waterway South of Lafitte	14.22	12.17	11.32	10.98	11.02	13.13	14.58	21.01	42.60	43.14	65.35	57.86
USGS7380251 Barataria Bay North of Grand Isle	11.95	11.51	10.95	10.71	10.85	11.74	11.43	14.04	16.11	19.41	30.06	17.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	26.20	14.53	11.64	11.23	11.24	12.76	17.90	87.60	90.08	94.82	154.38	102.58
USGS 07380335 - Little Lake Near Cutoff	57.50	24.94	13.96	12.86	12.08	13.75	35.54	172.36	154.13	181.18	247.31	193.77
USGS073802516 Barataria Pass at Grand Isle	48.30	34.06	17.04	16.79	18.68	22.17	48.47	179.65	135.00	152.63	188.05	164.33
HWQ14 - Lake Washington	16.71	12.25	10.36	11.68	14.25	13.41	12.58	37.39	48.70	45.29	59.34	40.71
HWQ16 - Bayou Grand Liard	346.99	210.17	127.92	100.27	84.02	130.43	276.43	432.84	400.74	459.85	499.77	439.36
CRMS 3985	8.12	10.05	10.13	10.10	10.51	10.72	10.15	9.87	12.59	15.01	15.98	8.45
CRMS 0258	47.79	17.52	12.31	13.16	12.43	12.91	13.12	32.42	135.43	188.34	206.49	194.11
CRMS 0224	44.41	21.41	13.30	13.43	12.39	13.21	16.68	74.59	143.89	160.17	206.77	182.15
CRMS 0163	26.32	15.12	11.81	11.32	11.45	13.53	22.90	39.02	29.61	39.31	37.93	30.59
CRMS 0162	34.71	30.43	16.58	22.45	21.46	25.43	18.79	28.86	51.16	29.43	80.77	33.03

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.79	-62.44	-50.84	-61.87	-57.88	-37.43	-23.75	-25.05	-36.24	-44.30	-74.46	-86.16
CRMS0276 - Just east of Wilkinson Canal	-89.13	-31.93	-27.51	-14.38	-18.99	-27.26	-58.16	-36.89	1.03	3.97	-4.81	-6.41
Barataria Waterway at Lafitte (USACE82875)	0.23	0.73	0.25	0.01	-0.01	0.02	-1.45	-2.38	0.50	0.38	-1.93	-1.44
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.65	-102.93	-78.39	-67.77	-57.65	-37.55	-33.75	-37.61	-51.61	-65.89	-87.56	-110.32
USGS7380251 Barataria Bay North of Grand Isle	-15.80	-18.66	-19.29	-40.60	-46.56	-31.14	-18.38	-9.94	-3.57	-5.70	-15.71	-19.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	-114.84	-127.87	-83.01	-97.81	-93.21	-70.04	-59.72	-43.57	-4.42	-22.62	-48.06	-70.41
USGS 07380335 - Little Lake Near Cutoff	-171.68	-172.64	-117.59	-113.02	-107.95	-86.24	-83.91	-46.53	1.35	-15.19	-40.70	-66.46
USGS073802516 Barataria Pass at Grand Isle	-129.41	-152.94	-106.98	-134.31	-135.72	-116.32	-90.35	-40.50	6.43	-13.80	-33.96	-57.86
HWQ14 - Lake Washington	-32.67	-45.10	-37.15	-70.60	-79.61	-62.12	-42.32	-20.78	6.39	-2.40	-16.13	-24.86
HWQ16 - Bayou Grand Liard	-116.24	-137.86	-159.84	-161.30	-135.40	-100.59	-77.78	-14.03	5.21	-0.56	-12.49	-24.10
CRMS 3985	-8.20	-4.03	-4.67	-21.50	-30.86	-25.50	-14.28	-8.13	-3.95	-2.37	-6.17	-12.07
CRMS 0258	-96.32	-114.74	-67.73	-45.86	-32.09	-20.24	-26.75	-44.54	-29.61	-17.60	-31.68	-45.33
CRMS 0224	-130.47	-158.99	-103.45	-82.04	-71.31	-55.25	-61.28	-56.19	-19.56	-17.92	-45.68	-70.75
CRMS 0163	0.66	0.29	0.06	0.03	-0.04	-0.10	-2.25	-1.10	1.20	0.89	-1.15	0.07
CRMS 0162	4.24	3.51	0.73	1.48	1.53	1.86	0.21	1.11	2.75	1.97	3.01	1.10

Figure WQ SO4 51 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.03	78.15	65.41	67.88	69.70	49.64	43.34	33.43	52.30	63.38	103.27	111.51
CRMS0276 - Just east of Wilkinson Canal	255.06	139.68	69.72	68.88	47.23	90.85	169.83	220.87	251.09	362.78	394.86	241.73
Barataria Waterway at Lafitte (USACE82875)	41.25	16.35	11.26	11.54	11.22	17.50	24.44	34.15	33.78	69.86	65.96	32.96
USGS2928590900040000 Barataria Waterway South of Lafitte	102.27	121.37	92.42	72.06	69.22	48.00	52.65	47.66	86.30	110.35	171.53	188.75
USGS7380251 Barataria Bay North of Grand Isle	26.55	31.79	32.37	49.98	57.93	43.67	32.64	21.12	20.09	25.26	46.79	35.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	138.18	152.02	92.82	103.43	104.83	82.02	87.39	94.95	98.15	128.96	227.78	182.54
USGS 07380335 - Little Lake Near Cutoff	228.20	208.67	124.59	122.15	118.53	101.53	139.30	176.96	161.35	224.41	329.68	269.32
USGS073802516 Barataria Pass at Grand Isle	175.29	196.21	119.91	147.31	150.78	141.79	156.36	175.81	134.57	186.03	246.26	227.20
HWQ14 - Lake Washington	47.08	60.41	49.74	78.95	94.96	73.85	56.35	40.41	44.73	49.00	78.01	66.64
HWQ16 - Bayou Grand Liard	476.31	346.59	264.87	267.05	206.14	258.50	391.70	424.86	404.56	516.81	568.26	449.53
CRMS 3985	14.91	15.27	17.17	32.58	42.62	37.59	26.68	18.05	16.79	18.03	18.45	16.20
CRMS 0258	144.52	142.00	78.17	53.63	44.63	32.45	51.92	73.45	161.79	230.35	301.39	232.99
CRMS 0224	170.27	192.90	113.76	89.04	83.56	65.53	91.03	106.49	163.35	196.29	292.38	272.97
CRMS 0163	36.82	13.43	11.00	11.50	11.22	17.53	26.75	35.81	31.10	58.60	47.16	23.53
CRMS 0162	39.40	22.71	14.25	21.62	16.46	31.27	19.54	32.21	105.15	127.59	84.09	26.14

V3PR4 HYST - cy 1 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.49	11.49	10.85	10.93	10.99	15.09	15.78	17.77	20.08	20.33	22.10	15.38
CRMS0276 - Just east of Wilkinson Canal	190.39	110.91	46.54	51.05	31.98	66.64	132.80	204.67	253.93	358.50	386.52	235.01
Barataria Waterway at Lafitte (USACE82875)	40.15	16.97	11.36	11.57	11.22	16.68	23.25	32.54	32.82	69.43	62.15	32.30
USGS2928590900040000 Barataria Waterway South of Lafitte	15.25	11.51	10.85	10.93	10.97	14.15	15.45	20.84	42.65	45.07	74.62	51.36
USGS7380251 Barataria Bay North of Grand Isle	14.39	11.73	10.71	10.70	10.83	11.07	10.86	14.43	15.95	19.61	34.03	21.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.13	13.98	11.12	11.13	11.13	18.07	34.43	92.61	89.63	102.14	177.93	72.29
USGS 07380335 - Little Lake Near Cutoff	70.19	23.87	12.77	12.59	11.80	27.59	75.97	175.88	156.64	202.52	285.84	136.94
USGS073802516 Barataria Pass at Grand Isle	57.12	32.61	15.37	16.17	17.48	51.97	94.78	184.90	135.29	166.30	211.86	125.34
HWQ14 - Lake Washington	19.89	14.04	10.80	11.58	14.05	15.98	19.84	43.71	48.18	45.37	65.81	42.02
HWQ16 - Bayou Grand Liard	384.61	194.04	102.64	101.71	77.95	190.62	354.85	425.85	409.83	509.49	555.46	383.84
CRMS 3985	13.54	11.84	10.45	10.21	10.55	9.96	9.13	9.74	12.52	15.27	19.89	17.81
CRMS 0258	33.23	18.22	11.42	12.89	12.21	14.32	19.59	37.44	138.57	208.45	260.16	151.65
CRMS 0224	37.61	21.89	12.01	13.09	11.99	16.77	35.97	80.99	146.74	173.74	241.51	147.26
CRMS 0163	35.79	13.65	11.01	11.47	11.20	17.07	25.63	34.76	30.76	60.53	45.74	23.27
CRMS 0162	43.99	25.62	15.34	21.57	17.76	32.82	20.00	33.49	114.43	135.49	90.85	26.63

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.54	-66.66	-54.56	-56.95	-58.71	-34.54	-27.56	-15.66	-32.21	-43.04	-81.16	-96.13
CRMS0276 - Just east of Wilkinson Canal	-64.67	-28.76	-23.18	-17.83	-15.25	-24.21	-37.03	-16.20	2.84	-4.28	-8.34	-6.72
Barataria Waterway at Lafitte (USACE82875)	-1.10	0.61	0.10	0.03	0.00	-0.82	-1.19	-1.62	-0.96	-0.43	-3.81	-0.66
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.02	-109.86	-81.57	-61.13	-58.26	-33.85	-37.20	-26.82	-43.65	-65.28	-96.92	-137.39
USGS7380251 Barataria Bay North of Grand Isle	-12.17	-20.06	-21.66	-39.27	-47.10	-32.60	-21.78	-6.69	-4.14	-5.65	-12.75	-13.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	-109.05	-138.04	-81.70	-92.30	-93.70	-63.95	-52.96	-2.34	-8.51	-26.82	-49.84	-110.24
USGS 07380335 - Little Lake Near Cutoff	-158.01	-184.80	-111.82	-109.56	-106.73	-73.94	-63.33	-1.08	-4.71	-21.89	-43.84	-132.38
USGS073802516 Barataria Pass at Grand Isle	-118.17	-163.60	-104.54	-131.14	-133.29	-89.83	-61.58	9.09	0.72	-19.74	-34.40	-101.85
HWQ14 - Lake Washington	-27.19	-46.37	-38.94	-67.37	-80.91	-57.88	-36.51	3.30	3.46	-3.63	-12.20	-24.62
HWQ16 - Bayou Grand Liard	-91.71	-152.55	-162.23	-165.34	-128.19	-67.88	-36.84	0.99	5.27	-7.32	-12.80	-65.69
CRMS 3985	-1.36	-3.43	-6.72	-22.38	-32.06	-27.63	-17.55	-8.31	-4.27	-2.75	1.44	1.61
CRMS 0258	-111.29	-123.78	-66.75	-40.74	-32.42	-18.12	-32.33	-36.01	-23.22	-21.90	-41.23	-81.34
CRMS 0224	-132.66	-171.01	-101.75	-75.95	-71.58	-48.76	-55.06	-25.50	-16.61	-22.55	-50.87	-125.71
CRMS 0163	-1.03	0.22	0.01	-0.03	-0.02	-0.47	-1.12	-1.04	-0.33	1.93	-1.42	-0.25
CRMS 0162	4.59	2.91	1.09	-0.05	1.29	1.56	0.46	1.28	9.28	7.90	6.76	0.49

Figure WQ SO4 52 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	60.57	91.49	73.07	99.43	110.30	92.60	45.50	40.03	63.66	68.97	90.91	90.60
CRMS0276 - Just east of Wilkinson Canal	326.50	203.63	208.49	178.16	161.11	188.70	234.97	325.32	324.45	326.09	309.96	244.60
Barataria Waterway at Lafitte (USACE82875)	86.42	29.45	29.64	24.73	22.39	31.91	57.30	74.89	52.88	53.56	45.13	38.37
USGS2928590900040000 Barataria Waterway South of Lafitte	97.58	145.71	112.10	126.74	136.10	107.16	64.00	57.81	113.24	127.43	156.41	147.73
USGS7380251 Barataria Bay North of Grand Isle	25.72	36.14	29.08	50.79	62.31	48.70	23.47	20.74	19.94	24.03	41.35	30.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	149.90	180.67	109.06	139.40	144.99	118.17	66.04	151.44	115.42	122.36	199.81	156.01
USGS 07380335 - Little Lake Near Cutoff	258.19	250.83	171.66	186.10	185.59	155.30	136.54	276.90	197.61	215.46	288.10	237.00
USGS073802516 Barataria Pass at Grand Isle	190.08	229.96	145.40	197.87	222.49	203.98	146.13	264.38	159.65	174.37	215.34	205.26
HWQ14 - Lake Washington	46.08	68.75	43.43	82.06	103.11	88.08	36.30	50.69	46.60	44.45	68.18	57.91
HWQ16 - Bayou Grand Liard	540.91	416.74	402.17	390.00	347.99	359.81	484.70	559.41	474.40	491.05	509.04	439.87
CRMS 3985	15.42	16.70	16.31	25.75	33.34	34.04	19.58	17.37	17.04	17.39	17.13	15.56
CRMS 0258	169.50	182.58	158.10	125.49	117.51	114.45	94.97	94.31	218.95	262.45	227.08	183.42
CRMS 0224	177.20	237.15	158.88	161.20	166.34	134.86	95.92	153.12	209.25	212.61	258.27	227.04
CRMS 0163	72.91	22.03	24.31	25.27	20.66	29.18	68.28	76.89	46.25	45.37	32.39	30.31
CRMS 0162	82.05	38.97	33.78	56.61	44.17	47.42	27.39	96.85	260.20	37.86	56.25	30.12

V3PR4 HYST - cy 1 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.94	14.34	15.74	16.62	14.56	17.33	18.68	19.85	21.55	19.76	20.29	17.68
CRMS0276 - Just east of Wilkinson Canal	298.14	177.78	200.89	163.43	146.33	169.76	219.38	305.86	317.95	332.86	311.47	243.10
Barataria Waterway at Lafitte (USACE82875)	81.16	30.31	28.73	23.22	22.20	29.46	53.34	69.59	51.86	53.86	45.04	36.47
USGS2928590900040000 Barataria Waterway South of Lafitte	30.80	14.69	19.76	22.93	15.03	21.01	19.08	25.34	51.95	50.11	69.76	55.13
USGS7380251 Barataria Bay North of Grand Isle	18.67	14.01	14.72	17.52	18.14	17.48	16.41	18.97	17.94	22.66	32.24	23.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	94.78	35.77	44.20	54.51	29.38	49.12	62.62	132.96	105.02	114.41	161.08	104.20
USGS 07380335 - Little Lake Near Cutoff	199.75	77.60	89.05	92.47	50.51	79.63	136.84	259.23	187.23	212.89	256.72	188.14
USGS073802516 Barataria Pass at Grand Isle	144.68	92.46	89.04	111.20	95.01	132.84	153.67	255.37	157.76	181.27	195.64	166.98
HWQ14 - Lake Washington	33.81	25.27	25.36	38.67	46.55	46.45	38.11	60.05	52.56	54.49	63.47	45.91
HWQ16 - Bayou Grand Liard	513.87	333.41	354.79	325.62	253.20	318.21	479.44	539.42	469.09	498.98	502.19	427.86
CRMS 3985	14.76	12.49	11.89	13.90	17.67	16.06	14.00	13.32	15.39	17.42	20.36	17.73
CRMS 0258	111.20	58.62	64.15	65.97	53.25	59.52	42.23	56.62	181.96	237.15	202.45	149.06
CRMS 0224	118.58	70.23	66.79	70.70	60.85	61.27	67.12	122.19	181.79	195.34	220.55	172.00
CRMS 0163	70.27	22.60	24.00	24.11	20.18	27.60	66.37	74.40	47.26	46.93	33.44	28.88
CRMS 0162	86.81	43.31	37.09	63.66	46.85	48.70	29.87	113.29	262.93	39.08	57.60	29.88

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-42.64	-77.15	-57.32	-82.81	-95.74	-75.28	-26.81	-20.18	-42.11	-49.21	-70.62	-72.91
CRMS0276 - Just east of Wilkinson Canal	-28.37	-25.84	-7.60	-14.72	-14.78	-18.94	-15.59	-19.45	-6.50	6.77	1.51	-1.50
Barataria Waterway at Lafitte (USACE82875)	-5.25	0.86	-0.91	-1.50	-0.19	-2.44	-3.95	-5.30	-1.02	0.30	-0.09	-1.90
USGS2928590900040000 Barataria Waterway South of Lafitte	-66.78	-131.02	-92.34	-103.81	-121.07	-86.14	-44.91	-32.47	-61.29	-77.32	-86.65	-92.60
USGS7380251 Barataria Bay North of Grand Isle	-7.05	-22.13	-14.36	-33.27	-44.17	-31.22	-7.06	-1.76	-2.01	-1.37	-9.11	-7.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	-55.11	-144.89	-64.86	-84.89	-115.61	-69.04	-3.42	-18.48	-10.40	-7.94	-38.73	-51.81
USGS 07380335 - Little Lake Near Cutoff	-58.44	-173.23	-82.60	-93.64	-135.07	-75.67	0.30	-17.67	-10.37	-2.57	-31.38	-48.86
USGS073802516 Barataria Pass at Grand Isle	-45.40	-137.50	-56.36	-86.67	-127.48	-71.14	7.53	-9.01	-1.89	6.90	-19.70	-38.28
HWQ14 - Lake Washington	-12.26	-43.48	-18.07	-43.39	-56.56	-41.63	1.81	9.36	5.96	10.04	-4.71	-12.01
HWQ16 - Bayou Grand Liard	-27.04	-83.34	-47.38	-64.38	-94.80	-41.60	-5.25	-19.99	-5.31	7.92	-6.86	-12.01
CRMS 3985	-0.66	-4.21	-4.43	-11.85	-15.67	-17.98	-5.58	-4.04	-1.65	0.04	3.24	2.17
CRMS 0258	-58.30	-123.97	-93.95	-59.52	-64.26	-54.94	-52.74	-37.70	-36.99	-25.30	-24.62	-34.35
CRMS 0224	-58.62	-166.92	-92.09	-90.50	-105.49	-73.58	-28.80	-30.93	-27.46	-17.27	-37.73	-55.05
CRMS 0163	-2.64	0.56	-0.31	-1.16	-0.48	-1.58	-1.91	-2.48	1.01	1.56	1.05	-1.43
CRMS 0162	4.76	4.33	3.31	7.05	2.68	1.28	2.49	16.44	2.72	1.21	1.36	-0.24

Figure WQ SO4 53 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.42	82.62	70.77	81.45	86.54	67.99	46.48	41.45	47.28	50.96	92.61	112.19
CRMS0276 - Just east of Wilkinson Canal	284.89	108.90	98.49	91.22	89.80	63.22	107.06	145.79	163.29	275.74	383.60	321.29
Barataria Waterway at Lafitte (USACE82875)	35.32	13.69	13.61	12.63	14.61	12.42	14.12	17.82	21.10	46.01	73.07	54.78
USGS2928590900040000 Barataria Waterway South of Lafitte	115.16	123.78	95.79	90.92	93.37	68.91	58.11	55.95	67.57	83.46	149.64	181.57
USGS7380251 Barataria Bay North of Grand Isle	30.96	37.78	39.51	57.91	67.89	52.84	35.50	30.21	21.76	23.79	45.14	38.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	152.17	153.82	105.09	124.69	129.51	101.63	83.49	117.68	79.41	105.19	210.57	192.54
USGS 07380335 - Little Lake Near Cutoff	246.44	200.07	139.96	148.14	153.01	117.52	116.78	168.91	120.60	182.29	307.80	291.36
USGS073802516 Barataria Pass at Grand Isle	191.89	193.34	134.56	172.73	190.64	156.93	137.14	185.53	106.75	153.49	230.43	243.39
HWQ14 - Lake Washington	54.23	68.59	59.37	90.70	108.19	91.17	62.96	70.06	44.22	43.83	73.71	69.44
HWQ16 - Bayou Grand Liard	478.34	314.79	302.47	305.28	272.47	229.89	309.62	342.70	320.17	454.47	561.06	501.41
CRMS 3985	18.34	20.15	22.14	37.29	48.03	43.46	30.22	23.87	18.21	17.68	22.19	21.34
CRMS 0258	175.05	138.03	74.39	73.81	70.60	40.98	39.99	47.70	97.54	170.49	254.68	280.85
CRMS 0224	195.53	184.28	118.99	116.16	117.77	84.18	84.53	108.43	118.28	152.83	260.41	279.02
CRMS 0163	25.32	11.84	13.16	13.04	14.61	12.60	14.59	17.62	20.61	39.87	57.78	37.56
CRMS 0162	24.25	16.65	20.06	31.60	28.21	19.24	14.41	19.04	34.81	29.44	115.95	36.25

V3PR4 HYST - cy 1 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.67	10.97	12.37	11.76	12.05	12.44	13.16	14.78	17.34	18.38	22.06	18.86
CRMS0276 - Just east of Wilkinson Canal	181.19	83.19	65.90	69.77	73.23	35.48	34.77	79.73	162.86	276.19	376.11	318.02
Barataria Waterway at Lafitte (USACE82875)	34.86	13.96	13.77	12.86	15.05	12.38	13.94	17.37	21.19	44.56	70.74	53.06
USGS2928590900040000 Barataria Waterway South of Lafitte	12.87	10.97	12.37	11.69	12.06	12.39	13.10	14.66	25.22	35.89	66.13	61.25
USGS7380251 Barataria Bay North of Grand Isle	11.78	10.64	11.58	11.16	11.86	11.55	11.74	12.62	12.42	16.36	31.38	19.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.48	12.11	12.91	12.36	13.01	12.33	12.54	22.89	50.82	82.31	165.69	117.43
USGS 07380335 - Little Lake Near Cutoff	49.61	18.72	16.46	15.72	16.30	13.36	13.09	40.46	93.27	164.01	268.76	221.86
USGS073802516 Barataria Pass at Grand Isle	43.81	26.09	19.10	23.11	30.99	22.34	16.57	49.41	80.10	136.82	201.04	185.47
HWQ14 - Lake Washington	16.40	11.40	10.30	13.02	18.97	15.30	10.93	13.78	28.92	36.33	61.67	45.02
HWQ16 - Bayou Grand Liard	342.09	160.68	156.57	141.62	133.54	112.47	176.83	259.95	313.74	447.32	549.06	482.01
CRMS 3985	8.06	9.77	10.10	10.34	11.35	10.87	10.78	10.87	10.24	12.20	17.01	9.50
CRMS 0258	40.98	14.95	13.10	15.92	18.02	12.68	12.27	15.96	66.79	154.15	217.51	225.30
CRMS 0224	34.52	17.30	14.85	16.65	18.94	13.06	12.27	20.73	79.37	135.78	213.71	204.13
CRMS 0163	26.02	11.97	13.21	13.46	15.03	12.54	14.36	17.29	21.25	39.80	59.23	36.95
CRMS 0162	28.07	18.33	23.26	34.01	29.67	20.54	14.76	19.43	36.36	29.82	123.50	36.82

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-54.75	-71.65	-58.40	-69.69	-74.49	-55.54	-33.32	-26.67	-29.94	-32.57	-70.55	-93.34
CRMS0276 - Just east of Wilkinson Canal	-103.70	-25.71	-32.59	-21.44	-16.58	-27.74	-72.28	-66.06	-0.44	0.45	-7.50	-3.27
Barataria Waterway at Lafitte (USACE82875)	-0.46	0.27	0.16	0.23	0.45	-0.04	-0.18	-0.45	0.09	-1.45	-2.33	-1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	-102.29	-112.81	-83.42	-79.24	-81.31	-56.52	-45.01	-41.29	-42.35	-47.57	-83.52	-120.32
USGS7380251 Barataria Bay North of Grand Isle	-19.18	-27.14	-27.92	-46.75	-56.04	-41.30	-23.76	-17.58	-9.34	-7.43	-13.76	-19.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	-131.69	-141.71	-92.17	-112.33	-116.50	-89.30	-70.95	-94.78	-28.58	-22.88	-44.88	-75.11
USGS 07380335 - Little Lake Near Cutoff	-196.83	-181.35	-123.50	-132.42	-136.70	-104.17	-103.69	-128.46	-27.33	-18.28	-39.04	-69.50
USGS073802516 Barataria Pass at Grand Isle	-148.09	-167.25	-115.46	-149.62	-159.65	-134.59	-120.56	-136.12	-26.65	-16.68	-29.39	-57.92
HWQ14 - Lake Washington	-37.83	-57.19	-49.06	-77.68	-89.22	-75.88	-52.03	-56.29	-15.30	-7.50	-12.03	-24.42
HWQ16 - Bayou Grand Liard	-136.25	-154.11	-145.89	-163.66	-138.93	-117.42	-132.80	-82.75	-6.43	-7.15	-12.00	-19.40
CRMS 3985	-10.27	-10.38	-12.04	-26.95	-36.68	-32.59	-19.44	-12.99	-7.97	-5.48	-5.18	-11.83
CRMS 0258	-134.07	-123.08	-61.29	-57.90	-52.58	-28.30	-27.73	-31.74	-30.75	-16.33	-37.16	-55.56
CRMS 0224	-161.02	-166.98	-104.15	-99.51	-98.84	-71.11	-72.26	-87.70	-38.91	-17.05	-46.69	-74.90
CRMS 0163	0.71	0.13	0.05	0.42	0.41	-0.06	-0.23	-0.33	0.64	-0.07	1.45	-0.61
CRMS 0162	3.83	1.68	3.20	2.41	1.46	1.30	0.35	0.40	1.55	0.38	7.55	0.56

Figure WQ SO4 54 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.16	91.35	73.86	87.07	82.15	54.29	39.30	37.96	48.90	48.57	86.12	103.51
CRMS0276 - Just east of Wilkinson Canal	229.20	304.71	165.62	81.63	46.98	33.80	85.44	156.19	190.65	313.05	403.70	179.78
Barataria Waterway at Lafitte (USACE82875)	51.41	57.85	19.01	12.28	12.91	11.91	13.24	20.51	24.05	58.90	75.31	24.13
USGS2928590900040000 Barataria Waterway South of Lafitte	96.53	142.97	124.18	98.59	82.49	49.43	46.86	50.52	73.41	83.98	144.79	172.08
USGS7380251 Barataria Bay North of Grand Isle	25.85	36.76	29.70	55.30	65.96	49.01	32.72	28.05	21.53	21.45	40.72	34.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	127.36	181.90	104.64	120.49	118.12	84.64	69.83	113.14	84.70	93.51	210.14	179.22
USGS 07380335 - Little Lake Near Cutoff	210.35	268.90	162.52	142.75	131.54	93.49	96.94	169.24	132.50	177.18	313.23	258.52
USGS073802516 Barataria Pass at Grand Isle	160.23	239.18	137.29	165.52	165.56	125.97	116.28	184.02	113.36	142.07	227.98	220.51
HWQ14 - Lake Washington	44.41	64.97	42.75	86.98	106.06	82.28	55.50	63.81	43.93	36.03	66.82	66.55
HWQ16 - Bayou Grand Liard	458.02	487.70	353.67	287.02	205.73	179.71	284.87	360.32	346.34	471.84	573.12	404.71
CRMS 3985	15.91	18.78	16.66	32.54	46.54	42.34	29.11	22.85	18.04	17.15	17.13	17.22
CRMS 0258	142.44	228.13	152.28	72.68	54.49	26.62	31.29	46.17	118.61	182.11	262.69	209.06
CRMS 0224	152.47	240.55	173.17	112.91	96.42	61.98	67.55	102.95	129.67	155.65	264.04	259.31
CRMS 0163	50.40	43.00	14.02	12.37	13.07	11.83	14.15	20.87	23.20	52.50	54.54	15.19
CRMS 0162	82.02	94.65	18.17	24.74	16.18	14.17	13.92	21.37	39.00	70.15	102.78	16.86

V3PR4 HYST - cy 1 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.31	19.54	11.87	11.35	12.85	11.69	13.03	15.79	18.36	19.39	21.56	11.92
CRMS0276 - Just east of Wilkinson Canal	179.90	287.81	143.98	58.98	32.78	21.04	29.33	110.49	184.23	312.92	396.33	171.43
Barataria Waterway at Lafitte (USACE82875)	47.05	53.97	19.10	12.32	12.92	11.86	13.05	19.49	23.67	58.13	71.52	24.57
USGS2928590900040000 Barataria Waterway South of Lafitte	16.95	40.20	12.94	11.35	12.82	11.67	12.97	16.29	31.57	37.91	64.35	11.97
USGS7380251 Barataria Bay North of Grand Isle	13.11	19.93	12.81	11.25	12.51	11.37	11.44	12.46	13.41	16.10	31.72	14.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	52.13	110.93	20.03	12.01	12.94	11.64	12.23	40.61	65.83	83.96	172.28	20.74
USGS 07380335 - Little Lake Near Cutoff	116.83	194.29	33.67	14.70	13.82	12.05	12.82	83.21	115.13	171.42	282.46	40.77
USGS073802516 Barataria Pass at Grand Isle	83.64	175.13	40.93	22.29	20.06	16.65	14.72	93.11	100.48	140.79	209.08	55.75
HWQ14 - Lake Washington	19.03	37.75	17.45	14.69	16.25	13.49	10.18	19.13	38.23	36.90	63.92	28.11
HWQ16 - Bayou Grand Liard	404.71	453.69	203.04	125.83	77.38	81.37	166.26	309.85	336.00	471.27	562.66	259.35
CRMS 3985	12.37	12.90	12.69	11.03	11.88	11.36	10.49	9.74	9.85	12.08	18.29	16.10
CRMS 0258	27.22	144.45	48.13	14.48	14.49	11.73	11.89	19.93	89.84	164.94	232.02	65.71
CRMS 0224	47.18	159.93	43.89	14.81	14.23	11.70	11.84	35.92	101.57	141.54	227.47	59.11
CRMS 0163	47.96	41.30	14.17	12.40	13.05	11.74	13.87	19.81	23.47	52.75	53.49	15.48
CRMS 0162	85.64	98.20	19.10	26.68	16.52	15.02	14.17	21.95	39.72	73.79	106.00	18.15

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-44.85	-71.80	-62.00	-75.72	-69.31	-42.60	-26.27	-22.17	-30.54	-29.18	-64.56	-91.58
CRMS0276 - Just east of Wilkinson Canal	-49.30	-16.90	-21.64	-22.64	-14.20	-12.76	-56.11	-45.71	-6.42	-0.13	-7.38	-8.35
Barataria Waterway at Lafitte (USACE82875)	-4.36	-3.89	0.09	0.04	0.01	-0.05	-0.19	-1.02	-0.38	-0.77	-3.79	0.43
USGS2928590900040000 Barataria Waterway South of Lafitte	-79.57	-102.76	-111.24	-87.23	-69.67	-37.76	-33.90	-34.23	-41.85	-46.07	-80.44	-160.11
USGS7380251 Barataria Bay North of Grand Isle	-12.74	-16.82	-16.90	-44.05	-53.45	-37.65	-21.28	-15.59	-8.12	-5.35	-9.00	-20.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	-75.23	-70.98	-84.62	-108.48	-105.18	-73.00	-57.60	-72.52	-18.87	-9.55	-37.86	-158.48
USGS 07380335 - Little Lake Near Cutoff	-93.52	-74.61	-128.85	-128.05	-117.72	-81.44	-84.12	-86.04	-17.37	-5.76	-30.77	-217.76
USGS073802516 Barataria Pass at Grand Isle	-76.59	-64.06	-96.35	-143.23	-145.50	-109.32	-101.56	-90.91	-12.88	-1.28	-18.90	-164.76
HWQ14 - Lake Washington	-25.38	-27.22	-25.31	-72.30	-89.81	-68.79	-45.31	-44.67	-5.70	0.88	-2.90	-38.44
HWQ16 - Bayou Grand Liard	-53.31	-34.01	-150.63	-161.19	-128.35	-98.34	-118.61	-50.47	-10.34	-0.57	-10.46	-145.35
CRMS 3985	-3.54	-5.88	-3.96	-21.52	-34.65	-30.97	-18.62	-13.11	-8.19	-5.07	1.15	-1.12
CRMS 0258	-115.22	-83.67	-104.15	-58.20	-40.00	-14.89	-19.41	-26.24	-28.76	-17.17	-30.67	-143.35
CRMS 0224	-105.29	-80.62	-129.29	-98.10	-82.19	-50.27	-55.70	-67.02	-28.11	-14.11	-36.57	-200.20
CRMS 0163	-2.43	-1.70	0.15	0.03	-0.02	-0.09	-0.28	-1.06	0.27	0.25	-1.06	0.29
CRMS 0162	3.62	3.55	0.93	1.94	0.33	0.85	0.25	0.58	0.72	3.65	3.22	1.29

Figure WQ SO4 55 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	59.92	74.61	62.16	72.85	68.91	50.62	39.10	43.10	55.84	63.15	95.54	104.26
CRMS0276 - Just east of Wilkinson Canal	260.87	144.37	88.78	61.44	55.95	70.58	130.38	233.64	235.23	282.80	317.42	270.92
Barataria Waterway at Lafitte (USACE82875)	33.22	17.36	12.30	11.38	11.52	13.49	20.37	38.44	30.61	44.80	50.42	42.19
USGS2928590900040000 Barataria Waterway South of Lafitte	101.87	115.10	89.71	78.74	68.68	50.68	48.33	58.62	94.20	109.03	152.91	168.18
USGS7380251 Barataria Bay North of Grand Isle	27.75	30.17	30.24	51.31	57.41	42.88	29.81	23.99	19.68	25.11	45.76	37.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	141.04	142.40	94.65	109.04	104.45	82.80	77.62	131.17	94.50	117.44	202.44	172.99
USGS 07380335 - Little Lake Near Cutoff	229.19	197.58	131.55	125.89	120.03	99.99	119.46	218.89	152.78	196.37	288.00	260.23
USGS073802516 Barataria Pass at Grand Isle	177.71	186.99	124.02	151.10	154.40	138.49	138.82	220.14	128.57	166.43	222.01	222.19
HWQ14 - Lake Washington	49.38	57.35	47.51	82.28	93.86	75.53	54.90	58.17	42.31	47.69	75.46	65.57
HWQ16 - Bayou Grand Liard	463.22	348.03	287.76	261.56	219.42	231.03	354.21	446.87	395.53	460.41	512.26	463.46
CRMS 3985	16.32	14.09	14.80	31.60	41.37	36.22	24.42	18.00	16.54	17.38	22.15	20.52
CRMS 0258	144.12	132.26	80.04	59.02	44.51	33.15	39.86	76.96	165.04	205.94	238.18	239.44
CRMS 0224	174.88	180.39	116.75	95.47	83.70	68.47	77.97	130.78	163.45	178.09	252.45	252.90
CRMS 0163	25.66	14.83	11.75	11.29	11.50	13.63	25.15	40.12	28.41	38.42	39.08	30.52
CRMS 0162	30.47	26.92	15.85	20.98	19.93	23.57	18.58	27.76	48.41	27.45	77.76	31.93

V3PR5 HYST - cy 1 - 1975 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	13.16	12.17	11.32	10.98	11.04	13.19	15.35	18.05	19.41	18.59	20.60	18.09
CRMS0276 - Just east of Wilkinson Canal	173.67	112.41	61.21	46.66	36.92	40.55	74.87	190.34	231.16	277.86	310.70	264.41
Barataria Waterway at Lafitte (USACE82875)	33.52	18.04	12.51	11.40	11.52	13.45	18.94	35.00	30.10	43.69	48.43	39.79
USGS2928590900040000 Barataria Waterway South of Lafitte	14.62	12.18	11.32	10.98	11.02	13.10	14.46	20.88	42.02	44.31	69.24	60.56
USGS7380251 Barataria Bay North of Grand Isle	14.27	11.98	11.12	10.77	10.88	11.77	11.44	13.99	15.63	18.61	31.04	23.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	28.15	14.68	11.75	11.25	11.22	12.78	18.29	85.61	85.23	91.60	154.95	104.91
USGS 07380335 - Little Lake Near Cutoff	60.22	25.02	14.19	12.86	12.01	13.73	36.93	167.90	146.93	176.33	247.31	196.18
USGS073802516 Barataria Pass at Grand Isle	52.27	34.49	17.80	16.87	18.42	22.02	50.47	174.33	128.23	147.02	187.88	167.15
HWQ14 - Lake Washington	21.58	13.80	11.14	11.94	14.27	13.41	12.63	36.99	45.76	42.97	60.47	44.46
HWQ16 - Bayou Grand Liard	347.41	209.76	127.79	99.26	83.96	125.02	286.80	417.11	386.13	451.69	495.46	441.56
CRMS 3985	12.19	11.42	10.66	10.32	10.60	10.76	10.17	9.87	12.43	14.65	19.16	17.24
CRMS 0258	48.71	17.67	12.39	13.27	12.36	12.96	13.15	31.70	130.80	182.93	201.96	191.29
CRMS 0224	45.96	21.59	13.38	13.43	12.35	13.21	17.01	72.87	138.66	155.11	205.29	181.14
CRMS 0163	26.27	15.14	11.80	11.32	11.46	13.49	23.15	37.43	28.69	38.19	38.11	29.99
CRMS 0162	34.40	30.19	16.72	22.44	21.00	25.86	18.87	28.51	52.34	28.37	78.20	32.52

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.76	-62.44	-50.84	-61.87	-57.88	-37.43	-23.75	-25.04	-36.43	-44.56	-74.95	-86.17
CRMS0276 - Just east of Wilkinson Canal	-87.20	-31.97	-27.57	-14.78	-19.03	-30.02	-55.51	-43.30	-4.07	-4.94	-6.71	-6.51
Barataria Waterway at Lafitte (USACE82875)	0.31	0.68	0.21	0.01	-0.01	-0.04	-1.43	-3.44	-0.51	-1.11	-1.99	-2.40
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.25	-102.92	-78.39	-67.76	-57.66	-37.58	-33.87	-37.74	-52.18	-64.72	-83.67	-107.63
USGS7380251 Barataria Bay North of Grand Isle	-13.48	-18.19	-19.12	-40.54	-46.53	-31.11	-18.37	-10.00	-4.05	-6.50	-14.72	-14.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	-112.90	-127.72	-82.90	-97.79	-93.23	-70.03	-59.32	-45.55	-9.27	-25.84	-47.50	-68.08
USGS 07380335 - Little Lake Near Cutoff	-168.97	-172.56	-117.36	-113.03	-108.02	-86.26	-82.52	-50.99	-5.85	-20.05	-40.69	-64.05
USGS073802516 Barataria Pass at Grand Isle	-125.44	-152.50	-106.23	-134.23	-135.98	-116.48	-88.35	-45.81	-0.34	-19.40	-34.13	-55.04
HWQ14 - Lake Washington	-27.81	-43.56	-36.37	-70.34	-79.59	-62.12	-42.27	-21.18	3.45	-4.72	-15.00	-21.11
HWQ16 - Bayou Grand Liard	-115.81	-138.26	-159.97	-162.30	-135.46	-106.01	-67.41	-29.76	-9.40	-8.72	-16.80	-21.90
CRMS 3985	-4.13	-2.66	-4.13	-21.28	-30.77	-25.46	-14.25	-8.13	-4.11	-2.73	-2.99	-3.29
CRMS 0258	-95.40	-114.59	-67.65	-45.75	-32.16	-20.19	-26.71	-45.26	-34.25	-23.01	-36.21	-48.16
CRMS 0224	-128.93	-158.81	-103.37	-82.04	-71.35	-55.26	-60.95	-57.91	-24.79	-22.98	-47.16	-71.77
CRMS 0163	0.60	0.31	0.05	0.03	-0.04	-0.14	-2.00	-2.69	0.27	-0.23	-0.97	-0.53
CRMS 0162	3.93	3.27	0.86	1.46	1.07	2.29	0.29	0.75	3.93	0.91	0.44	0.59

Figure WQ SO4 56 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.03	78.15	65.41	67.88	69.70	49.64	43.34	33.43	52.30	63.38	103.27	111.51
CRMS0276 - Just east of Wilkinson Canal	255.06	139.68	69.72	68.88	47.23	90.85	169.83	220.87	251.09	362.78	394.86	241.73
Barataria Waterway at Lafitte (USACE82875)	41.25	16.35	11.26	11.54	11.22	17.50	24.44	34.15	33.78	69.86	65.96	32.96
USGS2928590900040000 Barataria Waterway South of Lafitte	102.27	121.37	92.42	72.06	69.22	48.00	52.65	47.66	86.30	110.35	171.53	188.75
USGS7380251 Barataria Bay North of Grand Isle	26.55	31.79	32.37	49.98	57.93	43.67	32.64	21.12	20.09	25.26	46.79	35.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	138.18	152.02	92.82	103.43	104.83	82.02	87.39	94.95	98.15	128.96	227.78	182.54
USGS 07380335 - Little Lake Near Cutoff	228.20	208.67	124.59	122.15	118.53	101.53	139.30	176.96	161.35	224.41	329.68	269.32
USGS073802516 Barataria Pass at Grand Isle	175.29	196.21	119.91	147.31	150.78	141.79	156.36	175.81	134.57	186.03	246.26	227.20
HWQ14 - Lake Washington	47.08	60.41	49.74	78.95	94.96	73.85	56.35	40.41	44.73	49.00	78.01	66.64
HWQ16 - Bayou Grand Liard	476.31	346.59	264.87	267.05	206.14	258.50	391.70	424.86	404.56	516.81	568.26	449.53
CRMS 3985	14.91	15.27	17.17	32.58	42.62	37.59	26.68	18.05	16.79	18.03	18.45	16.20
CRMS 0258	144.52	142.00	78.17	53.63	44.63	32.45	51.92	73.45	161.79	230.35	301.39	232.99
CRMS 0224	170.27	192.90	113.76	89.04	83.56	65.53	91.03	106.49	163.35	196.29	292.38	272.97
CRMS 0163	36.82	13.43	11.00	11.50	11.22	17.53	26.75	35.81	31.10	58.60	47.16	23.53
CRMS 0162	39.40	22.71	14.25	21.62	16.46	31.27	19.54	32.21	105.15	127.59	84.09	26.14

V3PR5 HYST - cy 1 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.38	11.49	10.85	10.93	10.99	15.09	15.78	17.81	20.05	20.30	22.29	15.63
CRMS0276 - Just east of Wilkinson Canal	191.95	110.94	46.80	52.32	31.62	69.58	135.37	205.07	250.01	356.37	382.30	236.15
Barataria Waterway at Lafitte (USACE82875)	40.34	16.98	11.37	11.56	11.21	16.86	23.39	33.07	32.96	68.01	62.50	32.74
USGS2928590900040000 Barataria Waterway South of Lafitte	15.32	11.52	10.85	10.94	10.96	14.03	15.42	20.85	43.04	47.31	80.70	52.50
USGS7380251 Barataria Bay North of Grand Isle	11.43	11.26	10.61	10.67	10.82	11.08	10.91	14.59	16.03	19.65	32.04	17.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	27.77	13.78	11.00	11.13	11.13	18.30	35.42	93.01	88.96	101.09	176.46	71.28
USGS 07380335 - Little Lake Near Cutoff	69.90	23.56	12.46	12.66	11.84	28.49	78.15	175.44	155.64	199.19	284.25	136.03
USGS073802516 Barataria Pass at Grand Isle	54.73	31.43	14.58	16.74	17.80	52.83	96.55	185.85	134.32	165.64	210.02	123.95
HWQ14 - Lake Washington	14.96	12.19	10.20	11.41	14.19	15.85	20.33	44.13	47.75	45.40	64.22	37.13
HWQ16 - Bayou Grand Liard	388.04	195.41	105.11	110.22	77.30	196.58	354.56	424.82	409.49	505.36	548.90	381.58
CRMS 3985	8.79	10.59	10.17	10.08	10.52	9.93	9.12	9.75	12.59	15.26	16.32	9.91
CRMS 0258	33.25	18.37	11.40	13.03	12.27	14.32	20.07	38.04	138.39	204.44	257.41	149.30
CRMS 0224	37.32	22.02	11.97	13.18	12.06	16.95	37.17	81.55	145.83	171.03	239.08	145.74
CRMS 0163	35.86	13.67	11.00	11.49	11.20	17.09	25.52	35.42	31.15	59.23	46.26	23.63
CRMS 0162	43.61	25.45	14.87	22.84	17.61	33.54	19.85	32.84	112.22	124.76	86.31	26.99

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.65	-66.66	-54.56	-56.95	-58.71	-34.55	-27.56	-15.62	-32.25	-43.08	-80.98	-95.88
CRMS0276 - Just east of Wilkinson Canal	-63.11	-28.74	-22.92	-16.56	-15.61	-21.27	-34.46	-15.80	-1.08	-6.41	-12.56	-5.58
Barataria Waterway at Lafitte (USACE82875)	-0.91	0.62	0.11	0.02	-0.01	-0.64	-1.05	-1.08	-0.82	-1.85	-3.45	-0.22
USGS2928590900040000 Barataria Waterway South of Lafitte	-86.95	-109.85	-81.57	-61.12	-58.26	-33.97	-37.23	-26.81	-43.26	-63.04	-90.83	-136.25
USGS7380251 Barataria Bay North of Grand Isle	-15.12	-20.53	-21.76	-39.31	-47.11	-32.59	-21.73	-6.53	-4.06	-5.61	-14.75	-17.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	-110.41	-138.25	-81.81	-92.30	-93.70	-63.72	-51.97	-1.94	-9.19	-27.87	-51.32	-111.26
USGS 07380335 - Little Lake Near Cutoff	-158.30	-185.10	-112.13	-109.50	-106.69	-73.05	-61.15	-1.52	-5.71	-25.23	-45.44	-133.29
USGS073802516 Barataria Pass at Grand Isle	-120.55	-164.79	-105.33	-130.58	-132.97	-88.96	-59.81	10.05	-0.25	-20.40	-36.24	-103.25
HWQ14 - Lake Washington	-32.13	-48.22	-39.55	-67.54	-80.77	-58.00	-36.03	3.72	3.02	-3.60	-13.79	-29.51
HWQ16 - Bayou Grand Liard	-88.28	-151.17	-159.76	-156.84	-128.84	-61.92	-37.14	-0.05	4.93	-11.45	-19.37	-67.95
CRMS 3985	-6.12	-4.68	-7.00	-22.50	-32.10	-27.66	-17.56	-8.30	-4.20	-2.77	-2.13	-6.29
CRMS 0258	-111.27	-123.63	-66.77	-40.60	-32.36	-18.13	-31.85	-35.41	-23.40	-25.90	-43.98	-83.69
CRMS 0224	-132.95	-170.89	-101.79	-75.86	-71.50	-48.58	-53.86	-24.94	-17.53	-25.26	-53.30	-127.23
CRMS 0163	-0.97	0.24	0.00	-0.01	-0.02	-0.44	-1.23	-0.39	0.06	0.63	-0.90	0.10
CRMS 0162	4.22	2.74	0.61	1.21	1.15	2.27	0.31	0.63	7.08	-2.82	2.22	0.85

Figure WQ SO4 57 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	60.57	91.49	73.07	99.43	110.30	92.60	45.50	40.03	63.66	68.97	90.91	90.60
CRMS0276 - Just east of Wilkinson Canal	326.50	203.63	208.49	178.16	161.11	188.70	234.97	325.32	324.45	326.09	309.96	244.60
Barataria Waterway at Lafitte (USACE82875)	86.42	29.45	29.64	24.73	22.39	31.91	57.30	74.89	52.88	53.56	45.13	38.37
USGS2928590900040000 Barataria Waterway South of Lafitte	97.58	145.71	112.10	126.74	136.10	107.16	64.00	57.81	113.24	127.43	156.41	147.73
USGS7380251 Barataria Bay North of Grand Isle	25.72	36.14	29.08	50.79	62.31	48.70	23.47	20.74	19.94	24.03	41.35	30.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	149.90	180.67	109.06	139.40	144.99	118.17	66.04	151.44	115.42	122.36	199.81	156.01
USGS 07380335 - Little Lake Near Cutoff	258.19	250.83	171.66	186.10	185.59	155.30	136.54	276.90	197.61	215.46	288.10	237.00
USGS073802516 Barataria Pass at Grand Isle	190.08	229.96	145.40	197.87	222.49	203.98	146.13	264.38	159.65	174.37	215.34	205.26
HWQ14 - Lake Washington	46.08	68.75	43.43	82.06	103.11	88.08	36.30	50.69	46.60	44.45	68.18	57.91
HWQ16 - Bayou Grand Liard	540.91	416.74	402.17	390.00	347.99	359.81	484.70	559.41	474.40	491.05	509.04	439.87
CRMS 3985	15.42	16.70	16.31	25.75	33.34	34.04	19.58	17.37	17.04	17.39	17.13	15.56
CRMS 0258	169.50	182.58	158.10	125.49	117.51	114.45	94.97	94.31	218.95	262.45	227.08	183.42
CRMS 0224	177.20	237.15	158.88	161.20	166.34	134.86	95.92	153.12	209.25	212.61	258.27	227.04
CRMS 0163	72.91	22.03	24.31	25.27	20.66	29.18	68.28	76.89	46.25	45.37	32.39	30.31
CRMS 0162	82.05	38.97	33.78	56.61	44.17	47.42	27.39	96.85	260.20	37.86	56.25	30.12

V3PR5 HYST - cy 1 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.81	14.34	15.75	16.56	14.57	17.37	18.67	19.85	21.80	19.67	20.38	17.94
CRMS0276 - Just east of Wilkinson Canal	292.98	175.52	197.86	163.46	144.68	164.97	215.98	301.45	313.17	326.85	305.02	236.31
Barataria Waterway at Lafitte (USACE82875)	79.52	29.83	28.89	23.65	22.36	29.09	51.58	69.85	50.14	51.73	43.13	35.88
USGS2928590900040000 Barataria Waterway South of Lafitte	32.23	14.63	20.43	22.54	15.07	22.04	19.12	25.54	53.44	52.78	76.37	59.10
USGS7380251 Barataria Bay North of Grand Isle	15.95	13.39	14.41	17.37	18.17	17.53	16.29	18.63	17.79	21.99	31.90	22.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	90.30	34.96	43.63	55.22	29.66	48.22	60.95	128.94	102.86	110.91	159.33	99.51
USGS 07380335 - Little Lake Near Cutoff	193.50	75.89	88.05	95.07	51.15	77.95	134.01	254.21	183.09	209.49	253.31	183.00
USGS073802516 Barataria Pass at Grand Isle	140.03	89.96	87.39	110.85	95.01	130.65	151.08	249.21	155.43	175.48	192.43	159.44
HWQ14 - Lake Washington	30.82	23.35	24.78	38.27	46.36	46.14	37.87	57.84	51.04	51.89	61.72	44.06
HWQ16 - Bayou Grand Liard	513.39	331.84	352.23	324.65	253.48	305.67	477.04	540.19	467.51	492.41	495.62	421.36
CRMS 3985	11.35	11.38	11.32	13.58	17.65	16.13	14.04	13.26	15.34	17.20	19.83	16.59
CRMS 0258	109.20	57.70	63.75	62.01	53.20	60.20	41.05	56.62	182.19	235.46	201.11	147.23
CRMS 0224	114.50	69.23	67.46	69.90	61.51	60.71	65.33	120.72	178.46	192.12	219.41	169.66
CRMS 0163	69.00	22.47	24.38	24.31	20.40	27.41	63.59	75.52	46.47	44.13	32.20	28.46
CRMS 0162	88.87	42.63	35.19	59.04	46.70	48.24	29.15	116.58	285.75	39.89	59.15	29.50

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-42.76	-77.15	-57.31	-82.86	-95.73	-75.23	-26.82	-20.18	-41.86	-49.31	-70.53	-72.66
CRMS0276 - Just east of Wilkinson Canal	-33.52	-28.11	-10.63	-14.70	-16.42	-23.72	-18.99	-23.86	-11.28	0.76	-4.94	-8.30
Barataria Waterway at Lafitte (USACE82875)	-6.89	0.38	-0.75	-1.08	-0.03	-2.82	-5.71	-5.04	-2.74	-1.83	-2.00	-2.50
USGS2928590900040000 Barataria Waterway South of Lafitte	-65.35	-131.08	-91.68	-104.21	-121.04	-85.12	-44.87	-32.27	-59.81	-74.65	-80.04	-88.63
USGS7380251 Barataria Bay North of Grand Isle	-9.77	-22.75	-14.67	-33.42	-44.14	-31.17	-7.17	-2.10	-2.15	-2.04	-9.45	-7.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	-59.60	-145.71	-65.43	-84.18	-115.33	-69.95	-5.08	-22.49	-12.55	-11.45	-40.47	-56.50
USGS 07380335 - Little Lake Near Cutoff	-64.68	-174.94	-83.61	-91.03	-134.43	-77.35	-2.53	-22.69	-14.51	-5.97	-34.79	-54.01
USGS073802516 Barataria Pass at Grand Isle	-50.05	-140.00	-58.01	-87.02	-127.48	-73.32	4.94	-15.17	-4.22	1.11	-22.91	-45.81
HWQ14 - Lake Washington	-15.26	-45.41	-18.65	-43.79	-56.75	-41.95	1.57	7.15	4.44	7.44	-6.46	-13.85
HWQ16 - Bayou Grand Liard	-27.53	-84.90	-49.94	-65.35	-94.52	-54.14	-7.66	-19.22	-6.89	1.36	-13.43	-18.51
CRMS 3985	-4.07	-5.31	-5.00	-12.18	-15.69	-17.91	-5.54	-4.11	-1.70	-0.19	2.71	1.03
CRMS 0258	-60.30	-124.89	-94.35	-63.48	-64.31	-54.26	-53.92	-37.69	-36.76	-26.99	-25.97	-36.18
CRMS 0224	-62.70	-167.91	-91.42	-91.30	-104.83	-74.14	-30.58	-32.40	-30.80	-20.48	-38.87	-57.39
CRMS 0163	-3.90	0.44	0.06	-0.95	-0.26	-1.77	-4.69	-1.37	0.21	-1.24	-0.19	-1.85
CRMS 0162	6.82	3.65	1.41	2.43	2.53	0.82	1.77	19.72	25.55	2.02	2.90	-0.62

Figure WQ SO4 58 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.42	82.62	70.77	81.45	86.54	67.99	46.48	41.45	47.28	50.96	92.61	112.19
CRMS0276 - Just east of Wilkinson Canal	284.89	108.90	98.49	91.22	89.80	63.22	107.06	145.79	163.29	275.74	383.60	321.29
Barataria Waterway at Lafitte (USACE82875)	35.32	13.69	13.61	12.63	14.61	12.42	14.12	17.82	21.10	46.01	73.07	54.78
USGS2928590900040000 Barataria Waterway South of Lafitte	115.16	123.78	95.79	90.92	93.37	68.91	58.11	55.95	67.57	83.46	149.64	181.57
USGS7380251 Barataria Bay North of Grand Isle	30.96	37.78	39.51	57.91	67.89	52.84	35.50	30.21	21.76	23.79	45.14	38.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	152.17	153.82	105.09	124.69	129.51	101.63	83.49	117.68	79.41	105.19	210.57	192.54
USGS 07380335 - Little Lake Near Cutoff	246.44	200.07	139.96	148.14	153.01	117.52	116.78	168.91	120.60	182.29	307.80	291.36
USGS073802516 Barataria Pass at Grand Isle	191.89	193.34	134.56	172.73	190.64	156.93	137.14	185.53	106.75	153.49	230.43	243.39
HWQ14 - Lake Washington	54.23	68.59	59.37	90.70	108.19	91.17	62.96	70.06	44.22	43.83	73.71	69.44
HWQ16 - Bayou Grand Liard	478.34	314.79	302.47	305.28	272.47	229.89	309.62	342.70	320.17	454.47	561.06	501.41
CRMS 3985	18.34	20.15	22.14	37.29	48.03	43.46	30.22	23.87	18.21	17.68	22.19	21.34
CRMS 0258	175.05	138.03	74.39	73.81	70.60	40.98	39.99	47.70	97.54	170.49	254.68	280.85
CRMS 0224	195.53	184.28	118.99	116.16	117.77	84.18	84.53	108.43	118.28	152.83	260.41	279.02
CRMS 0163	25.32	11.84	13.16	13.04	14.61	12.60	14.59	17.62	20.61	39.87	57.78	37.56
CRMS 0162	24.25	16.65	20.06	31.60	28.21	19.24	14.41	19.04	34.81	29.44	115.95	36.25

V3PR5 HYST - cy 1 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.66	10.97	12.37	11.76	12.05	12.44	13.16	14.78	17.26	18.40	22.11	18.63
CRMS0276 - Just east of Wilkinson Canal	182.06	83.25	67.67	68.54	70.35	35.39	36.07	78.26	162.14	271.37	370.09	314.42
Barataria Waterway at Lafitte (USACE82875)	34.94	13.98	13.71	12.77	14.91	12.37	14.01	17.46	21.15	43.22	69.43	52.50
USGS2928590900040000 Barataria Waterway South of Lafitte	12.98	10.97	12.37	11.68	12.08	12.37	13.08	14.62	25.21	37.60	72.27	64.80
USGS7380251 Barataria Bay North of Grand Isle	14.26	11.28	11.91	11.30	11.94	11.61	11.78	12.68	12.39	16.46	31.76	24.20
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.46	12.29	13.08	12.43	13.13	12.36	12.56	22.78	50.47	83.10	165.72	115.94
USGS 07380335 - Little Lake Near Cutoff	50.69	18.97	16.86	15.84	16.54	13.39	13.13	39.92	93.53	164.13	267.92	219.17
USGS073802516 Barataria Pass at Grand Isle	46.50	26.99	20.59	23.45	31.56	22.36	16.61	49.57	79.35	136.73	201.95	182.88
HWQ14 - Lake Washington	21.86	13.87	11.64	13.57	19.27	15.48	11.00	13.92	29.08	36.83	62.68	47.20
HWQ16 - Bayou Grand Liard	341.70	158.59	160.73	138.69	132.26	113.98	178.88	254.75	312.74	443.19	545.18	477.15
CRMS 3985	15.00	11.99	11.11	10.77	11.58	10.98	10.86	10.96	10.28	12.12	18.34	18.12
CRMS 0258	41.23	15.06	13.18	15.72	18.50	12.80	12.25	15.95	66.54	154.19	216.76	222.78
CRMS 0224	35.04	17.48	14.78	16.58	19.21	13.10	12.27	20.61	79.29	136.41	214.08	199.67
CRMS 0163	25.91	11.97	13.14	13.43	14.66	12.54	14.44	17.37	21.29	38.20	57.34	36.92
CRMS 0162	27.70	18.20	22.22	33.58	32.65	20.57	14.76	19.40	34.61	29.20	120.78	36.13

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-54.77	-71.65	-58.40	-69.69	-74.49	-55.54	-33.33	-26.67	-30.02	-32.56	-70.50	-93.57
CRMS0276 - Just east of Wilkinson Canal	-102.84	-25.65	-30.82	-22.68	-19.46	-27.83	-70.99	-67.53	-1.15	-4.37	-13.51	-6.87
Barataria Waterway at Lafitte (USACE82875)	-0.37	0.29	0.10	0.14	0.31	-0.05	-0.11	-0.37	0.05	-2.79	-3.64	-2.28
USGS2928590900040000 Barataria Waterway South of Lafitte	-102.18	-112.81	-83.42	-79.25	-81.29	-56.54	-45.03	-41.33	-42.36	-45.86	-77.38	-116.77
USGS7380251 Barataria Bay North of Grand Isle	-16.70	-26.50	-27.60	-46.61	-55.95	-41.23	-23.72	-17.52	-9.37	-7.33	-13.38	-14.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	-130.70	-141.53	-92.00	-112.26	-116.38	-89.27	-70.94	-94.90	-28.93	-22.09	-44.85	-76.60
USGS 07380335 - Little Lake Near Cutoff	-195.75	-181.09	-123.10	-132.30	-136.46	-104.13	-103.65	-129.00	-27.07	-18.16	-39.88	-72.19
USGS073802516 Barataria Pass at Grand Isle	-145.39	-166.34	-113.96	-149.28	-159.08	-134.58	-120.53	-135.95	-27.39	-16.77	-28.48	-60.51
HWQ14 - Lake Washington	-32.37	-54.72	-47.73	-77.13	-88.92	-75.69	-51.96	-56.14	-15.14	-7.00	-11.03	-22.24
HWQ16 - Bayou Grand Liard	-136.64	-156.20	-141.74	-166.59	-140.22	-115.91	-130.74	-87.95	-7.43	-11.28	-15.88	-24.26
CRMS 3985	-3.34	-8.16	-11.03	-26.51	-36.45	-32.48	-19.36	-12.91	-7.93	-5.56	-3.85	-3.22
CRMS 0258	-133.82	-122.96	-61.21	-58.09	-52.11	-28.18	-27.74	-31.76	-31.00	-16.30	-37.92	-58.07
CRMS 0224	-160.49	-166.81	-104.21	-99.58	-98.57	-71.07	-72.26	-87.82	-38.99	-16.42	-46.32	-79.36
CRMS 0163	0.60	0.14	-0.02	0.38	0.05	-0.06	-0.15	-0.25	0.68	-1.67	-0.44	-0.64
CRMS 0162	3.45	1.55	2.17	1.98	4.43	1.34	0.36	0.36	-0.20	-0.24	4.83	-0.12

Figure WQ SO4 59 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.16	91.35	73.86	87.07	82.15	54.29	39.30	37.96	48.90	48.57	86.12	103.51
CRMS0276 - Just east of Wilkinson Canal	229.20	304.71	165.62	81.63	46.98	33.80	85.44	156.19	190.65	313.05	403.70	179.78
Barataria Waterway at Lafitte (USACE82875)	51.41	57.85	19.01	12.28	12.91	11.91	13.24	20.51	24.05	58.90	75.31	24.13
USGS2928590900040000 Barataria Waterway South of Lafitte	96.53	142.97	124.18	98.59	82.49	49.43	46.86	50.52	73.41	83.98	144.79	172.08
USGS7380251 Barataria Bay North of Grand Isle	25.85	36.76	29.70	55.30	65.96	49.01	32.72	28.05	21.53	21.45	40.72	34.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	127.36	181.90	104.64	120.49	118.12	84.64	69.83	113.14	84.70	93.51	210.14	179.22
USGS 07380335 - Little Lake Near Cutoff	210.35	268.90	162.52	142.75	131.54	93.49	96.94	169.24	132.50	177.18	313.23	258.52
USGS073802516 Barataria Pass at Grand Isle	160.23	239.18	137.29	165.52	165.56	125.97	116.28	184.02	113.36	142.07	227.98	220.51
HWQ14 - Lake Washington	44.41	64.97	42.75	86.98	106.06	82.28	55.50	63.81	43.93	36.03	66.82	66.55
HWQ16 - Bayou Grand Liard	458.02	487.70	353.67	287.02	205.73	179.71	284.87	360.32	346.34	471.84	573.12	404.71
CRMS 3985	15.91	18.78	16.66	32.54	46.54	42.34	29.11	22.85	18.04	17.15	17.13	17.22
CRMS 0258	142.44	228.13	152.28	72.68	54.49	26.62	31.29	46.17	118.61	182.11	262.69	209.06
CRMS 0224	152.47	240.55	173.17	112.91	96.42	61.98	67.55	102.95	129.67	155.65	264.04	259.31
CRMS 0163	50.40	43.00	14.02	12.37	13.07	11.83	14.15	20.87	23.20	52.50	54.54	15.19
CRMS 0162	82.02	94.65	18.17	24.74	16.18	14.17	13.92	21.37	39.00	70.15	102.78	16.86

V3PR5 HYST - cy 1 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.30	19.56	11.87	11.35	12.85	11.69	13.03	15.79	18.32	19.55	22.14	11.93
CRMS0276 - Just east of Wilkinson Canal	177.75	288.67	146.16	60.68	32.93	20.34	29.02	110.35	182.04	313.91	392.71	168.40
Barataria Waterway at Lafitte (USACE82875)	46.58	54.02	19.17	12.32	12.91	11.86	13.03	19.58	23.73	58.17	70.65	24.43
USGS2928590900040000 Barataria Waterway South of Lafitte	17.34	42.82	13.13	11.35	12.81	11.66	12.95	16.24	32.14	39.95	72.70	12.00
USGS7380251 Barataria Bay North of Grand Isle	13.18	19.98	12.80	11.24	12.52	11.37	11.46	12.46	13.35	16.41	33.41	14.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	51.88	110.12	19.99	12.02	12.93	11.65	12.24	40.63	65.92	85.77	174.99	20.48
USGS 07380335 - Little Lake Near Cutoff	116.19	195.47	33.65	14.79	13.75	12.07	12.81	83.49	115.87	174.52	283.63	40.12
USGS073802516 Barataria Pass at Grand Isle	83.22	175.95	40.51	22.49	19.92	16.72	14.67	93.66	100.79	144.29	213.54	54.83
HWQ14 - Lake Washington	19.11	37.47	17.20	14.51	16.03	13.49	10.17	19.35	38.00	38.21	67.84	28.54
HWQ16 - Bayou Grand Liard	402.53	454.45	206.55	127.29	77.86	80.81	164.85	311.16	338.75	476.29	561.37	255.18
CRMS 3985	12.47	12.92	12.68	11.02	11.90	11.37	10.52	9.76	9.85	12.11	19.06	16.30
CRMS 0258	27.25	143.40	47.60	14.69	14.60	11.77	11.86	20.01	89.73	164.97	236.65	67.95
CRMS 0224	46.97	159.03	43.45	14.99	14.29	11.72	11.83	36.07	101.38	143.69	232.14	59.11
CRMS 0163	47.58	41.29	14.29	12.35	13.04	11.75	13.84	19.93	23.71	52.37	52.24	15.43
CRMS 0162	85.38	98.63	19.01	27.66	16.30	15.31	14.20	22.00	44.96	77.93	106.55	18.00

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-44.86	-71.79	-61.99	-75.72	-69.31	-42.60	-26.27	-22.17	-30.58	-29.02	-63.98	-91.58
CRMS0276 - Just east of Wilkinson Canal	-51.45	-16.04	-19.46	-20.95	-14.04	-13.46	-56.43	-45.84	-8.61	0.87	-11.00	-11.39
Barataria Waterway at Lafitte (USACE82875)	-4.83	-3.84	0.16	0.05	0.01	-0.06	-0.21	-0.94	-0.32	-0.73	-4.66	0.29
USGS2928590900040000 Barataria Waterway South of Lafitte	-79.19	-100.14	-111.05	-87.23	-69.68	-37.77	-33.92	-34.28	-41.27	-44.03	-72.09	-160.07
USGS7380251 Barataria Bay North of Grand Isle	-12.67	-16.78	-16.90	-44.05	-53.44	-37.64	-21.27	-15.59	-8.18	-5.04	-7.31	-20.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-75.47	-71.78	-84.65	-108.47	-105.19	-72.99	-57.59	-72.51	-18.78	-7.74	-35.14	-158.74
USGS 07380335 - Little Lake Near Cutoff	-94.16	-73.43	-128.87	-127.96	-117.79	-81.42	-84.13	-85.76	-16.63	-2.66	-29.60	-218.40
USGS073802516 Barataria Pass at Grand Isle	-77.01	-63.23	-96.77	-143.03	-145.64	-109.25	-101.61	-90.36	-12.58	2.22	-14.44	-165.67
HWQ14 - Lake Washington	-25.30	-27.51	-25.55	-72.47	-90.03	-68.79	-45.33	-44.45	-5.93	2.18	1.02	-38.01
HWQ16 - Bayou Grand Liard	-55.49	-33.25	-147.12	-159.73	-127.88	-98.90	-120.02	-49.16	-7.59	4.46	-11.75	-149.52
CRMS 3985	-3.44	-5.86	-3.98	-21.53	-34.64	-30.97	-18.60	-13.09	-8.19	-5.04	1.92	-0.92
CRMS 0258	-115.19	-84.72	-104.68	-57.99	-39.89	-14.85	-19.43	-26.16	-28.87	-17.14	-26.04	-141.11
CRMS 0224	-105.50	-81.52	-129.72	-97.93	-82.13	-50.26	-55.71	-66.87	-28.29	-11.96	-31.90	-200.20
CRMS 0163	-2.82	-1.71	0.27	-0.01	-0.03	-0.08	-0.31	-0.94	0.52	-0.13	-2.31	0.24
CRMS 0162	3.37	3.98	0.84	2.91	0.11	1.14	0.28	0.63	5.96	7.79	3.77	1.14

Figure WQ SO4 60 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	59.92	74.61	62.16	72.85	68.91	50.62	39.10	43.10	55.84	63.15	95.54	104.26
CRMS0276 - Just east of Wilkinson Canal	260.87	144.37	88.78	61.44	55.95	70.58	130.38	233.64	235.23	282.80	317.42	270.92
Barataria Waterway at Lafitte (USACE82875)	33.22	17.36	12.30	11.38	11.52	13.49	20.37	38.44	30.61	44.80	50.42	42.19
USGS2928590900040000 Barataria Waterway South of Lafitte	101.87	115.10	89.71	78.74	68.68	50.68	48.33	58.62	94.20	109.03	152.91	168.18
USGS7380251 Barataria Bay North of Grand Isle	27.75	30.17	30.24	51.31	57.41	42.88	29.81	23.99	19.68	25.11	45.76	37.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	141.04	142.40	94.65	109.04	104.45	82.80	77.62	131.17	94.50	117.44	202.44	172.99
USGS 07380335 - Little Lake Near Cutoff	229.19	197.58	131.55	125.89	120.03	99.99	119.46	218.89	152.78	196.37	288.00	260.23
USGS073802516 Barataria Pass at Grand Isle	177.71	186.99	124.02	151.10	154.40	138.49	138.82	220.14	128.57	166.43	222.01	222.19
HWQ14 - Lake Washington	49.38	57.35	47.51	82.28	93.86	75.53	54.90	58.17	42.31	47.69	75.46	65.57
HWQ16 - Bayou Grand Liard	463.22	348.03	287.76	261.56	219.42	231.03	354.21	446.87	395.53	460.41	512.26	463.46
CRMS 3985	16.32	14.09	14.80	31.60	41.37	36.22	24.42	18.00	16.54	17.38	22.15	20.52
CRMS 0258	144.12	132.26	80.04	59.02	44.51	33.15	39.86	76.96	165.04	205.94	238.18	239.44
CRMS 0224	174.88	180.39	116.75	95.47	83.70	68.47	77.97	130.78	163.45	178.09	252.45	252.90
CRMS 0163	25.66	14.83	11.75	11.29	11.50	13.63	25.15	40.12	28.41	38.42	39.08	30.52
CRMS 0162	30.47	26.92	15.85	20.98	19.93	23.57	18.58	27.76	48.41	27.45	77.76	31.93

V3PR6 HYST - cy 1 - 1975 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	13.13	12.17	11.32	10.98	11.04	13.20	15.28	17.89	18.42	18.39	19.37	17.38
CRMS0276 - Just east of Wilkinson Canal	136.54	81.59	34.53	33.06	21.75	28.16	61.36	195.04	239.10	287.02	316.99	271.63
Barataria Waterway at Lafitte (USACE82875)	34.67	19.14	12.73	11.47	11.62	13.45	18.42	35.57	30.18	44.35	47.70	39.97
USGS2928590900040000 Barataria Waterway South of Lafitte	13.93	12.17	11.32	10.98	11.03	13.16	14.29	20.83	40.53	46.26	63.90	56.16
USGS7380251 Barataria Bay North of Grand Isle	14.39	12.15	11.28	10.92	10.97	12.33	11.77	13.77	15.83	19.01	32.72	23.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.06	12.28	11.34	10.97	11.02	12.79	16.64	83.90	88.50	93.80	157.80	104.41
USGS 07380335 - Little Lake Near Cutoff	39.98	13.63	11.71	11.02	11.04	12.58	32.08	167.32	153.24	181.79	251.48	196.93
USGS073802516 Barataria Pass at Grand Isle	37.58	16.58	12.03	11.27	11.45	12.66	42.28	175.91	133.89	151.91	194.27	169.92
HWQ14 - Lake Washington	20.66	12.36	10.83	10.50	10.97	10.53	11.25	35.79	48.05	44.32	63.93	46.56
HWQ16 - Bayou Grand Liard	270.57	122.45	58.28	39.24	38.66	91.62	263.04	430.75	401.45	459.84	505.65	448.85
CRMS 3985	14.22	12.12	11.19	10.76	10.87	11.45	10.82	10.01	12.43	14.79	19.87	17.75
CRMS 0258	38.12	12.78	11.40	11.11	11.13	12.45	13.06	31.36	132.66	185.52	205.76	192.29
CRMS 0224	34.43	13.23	11.48	11.04	11.07	12.45	15.72	71.81	142.54	158.34	211.92	181.25
CRMS 0163	27.49	15.69	11.88	11.43	11.50	13.52	22.46	39.74	29.37	39.62	38.60	30.58
CRMS 0162	39.77	35.79	19.41	26.44	26.93	29.41	19.70	30.37	53.62	29.91	86.89	35.44

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.79	-62.43	-50.84	-61.86	-57.87	-37.41	-23.82	-25.21	-37.42	-44.76	-76.17	-86.87
CRMS0276 - Just east of Wilkinson Canal	-124.33	-62.78	-54.25	-28.38	-34.20	-42.41	-69.01	-38.60	3.88	4.21	-0.42	0.71
Barataria Waterway at Lafitte (USACE82875)	1.46	1.77	0.43	0.09	0.09	-0.04	-1.95	-2.87	-0.43	-0.45	-2.72	-2.22
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.94	-102.92	-78.39	-67.76	-57.65	-37.51	-34.04	-37.79	-53.67	-62.77	-89.01	-112.03
USGS7380251 Barataria Bay North of Grand Isle	-13.37	-18.02	-18.96	-40.39	-46.44	-30.55	-18.04	-10.22	-3.85	-6.10	-13.04	-13.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	-118.98	-130.12	-83.31	-98.06	-93.43	-70.01	-60.98	-47.27	-6.00	-23.64	-44.64	-68.58
USGS 07380335 - Little Lake Near Cutoff	-189.20	-183.95	-119.84	-114.87	-108.99	-87.42	-87.38	-51.57	0.46	-14.58	-36.52	-63.30
USGS073802516 Barataria Pass at Grand Isle	-140.12	-170.41	-111.99	-139.83	-142.95	-125.83	-96.54	-44.23	5.32	-14.52	-27.74	-52.27
HWQ14 - Lake Washington	-28.73	-44.99	-36.69	-71.78	-82.89	-65.00	-43.65	-22.38	5.74	-3.37	-11.54	-19.01
HWQ16 - Bayou Grand Liard	-192.65	-225.58	-229.47	-222.32	-180.76	-139.41	-91.16	-16.12	5.92	-0.57	-6.60	-14.61
CRMS 3985	-2.11	-1.97	-3.60	-20.84	-30.50	-24.77	-13.60	-7.99	-4.11	-2.59	-2.28	-2.77
CRMS 0258	-105.99	-119.48	-68.65	-47.91	-33.38	-20.71	-26.80	-45.60	-32.39	-20.42	-32.41	-47.15
CRMS 0224	-140.46	-167.16	-105.27	-84.43	-72.63	-56.02	-62.24	-58.97	-20.92	-19.75	-40.53	-71.65
CRMS 0163	1.83	0.87	0.13	0.15	0.01	-0.10	-2.69	-0.37	0.96	1.20	-0.48	0.06
CRMS 0162	9.29	8.87	3.55	5.47	7.01	5.84	1.12	2.62	5.21	2.46	9.14	3.51

Figure WQ SO4 61 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.03	78.15	65.41	67.88	69.70	49.64	43.34	33.43	52.30	63.38	103.27	111.51
CRMS0276 - Just east of Wilkinson Canal	255.06	139.68	69.72	68.88	47.23	90.85	169.83	220.87	251.09	362.78	394.86	241.73
Barataria Waterway at Lafitte (USACE82875)	41.25	16.35	11.26	11.54	11.22	17.50	24.44	34.15	33.78	69.86	65.96	32.96
USGS2928590900040000 Barataria Waterway South of Lafitte	102.27	121.37	92.42	72.06	69.22	48.00	52.65	47.66	86.30	110.35	171.53	188.75
USGS7380251 Barataria Bay North of Grand Isle	26.55	31.79	32.37	49.98	57.93	43.67	32.64	21.12	20.09	25.26	46.79	35.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	138.18	152.02	92.82	103.43	104.83	82.02	87.39	94.95	98.15	128.96	227.78	182.54
USGS 07380335 - Little Lake Near Cutoff	228.20	208.67	124.59	122.15	118.53	101.53	139.30	176.96	161.35	224.41	329.68	269.32
USGS073802516 Barataria Pass at Grand Isle	175.29	196.21	119.91	147.31	150.78	141.79	156.36	175.81	134.57	186.03	246.26	227.20
HWQ14 - Lake Washington	47.08	60.41	49.74	78.95	94.96	73.85	56.35	40.41	44.73	49.00	78.01	66.64
HWQ16 - Bayou Grand Liard	476.31	346.59	264.87	267.05	206.14	258.50	391.70	424.86	404.56	516.81	568.26	449.53
CRMS 3985	14.91	15.27	17.17	32.58	42.62	37.59	26.68	18.05	16.79	18.03	18.45	16.20
CRMS 0258	144.52	142.00	78.17	53.63	44.63	32.45	51.92	73.45	161.79	230.35	301.39	232.99
CRMS 0224	170.27	192.90	113.76	89.04	83.56	65.53	91.03	106.49	163.35	196.29	292.38	272.97
CRMS 0163	36.82	13.43	11.00	11.50	11.22	17.53	26.75	35.81	31.10	58.60	47.16	23.53
CRMS 0162	39.40	22.71	14.25	21.62	16.46	31.27	19.54	32.21	105.15	127.59	84.09	26.14

V3PR6 HYST - cy 1 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.43	11.51	10.85	10.94	10.99	15.11	15.70	17.62	19.14	20.03	20.67	15.09
CRMS0276 - Just east of Wilkinson Canal	163.38	83.13	25.76	33.80	18.61	63.50	136.76	205.57	254.20	360.05	391.35	231.01
Barataria Waterway at Lafitte (USACE82875)	40.74	18.13	11.46	11.68	11.28	16.55	23.25	33.03	31.73	68.14	60.05	32.66
USGS2928590900040000 Barataria Waterway South of Lafitte	14.47	11.51	10.85	10.93	10.98	13.84	15.08	20.85	40.97	49.15	74.17	48.67
USGS7380251 Barataria Bay North of Grand Isle	14.04	11.62	10.82	10.86	10.92	11.01	10.31	14.05	15.85	19.76	36.48	21.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.80	11.68	10.86	10.92	10.95	15.74	32.85	90.62	89.32	101.91	182.58	67.59
USGS 07380335 - Little Lake Near Cutoff	45.11	13.19	11.00	10.97	10.95	24.16	75.37	173.52	156.20	203.30	291.98	122.59
USGS073802516 Barataria Pass at Grand Isle	40.60	16.31	11.18	11.04	11.16	43.00	94.64	184.79	134.65	166.77	218.56	111.74
HWQ14 - Lake Washington	17.24	12.15	10.40	10.33	10.78	11.21	17.85	43.49	47.60	45.61	71.17	41.27
HWQ16 - Bayou Grand Liard	342.98	104.69	44.69	43.13	34.83	187.63	360.93	422.41	408.95	512.44	558.25	351.46
CRMS 3985	13.47	11.77	10.76	10.65	10.82	9.94	8.82	9.46	12.42	15.24	20.99	18.05
CRMS 0258	22.14	12.50	10.88	11.06	10.99	12.86	18.96	37.15	137.59	205.84	259.00	134.32
CRMS 0224	26.70	12.74	10.89	11.02	10.97	14.49	34.82	79.69	145.75	172.65	247.09	132.75
CRMS 0163	36.23	14.21	11.04	11.59	11.22	16.96	26.00	36.13	30.44	60.76	45.51	23.73
CRMS 0162	50.26	30.82	16.14	27.60	20.02	38.75	20.75	33.80	117.04	133.91	97.15	28.94

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.60	-66.65	-54.56	-56.95	-58.71	-34.53	-27.64	-15.81	-33.16	-43.34	-82.59	-96.42
CRMS0276 - Just east of Wilkinson Canal	-91.68	-56.55	-43.95	-35.08	-28.62	-27.35	-33.07	-15.30	3.11	-2.73	-3.51	-10.72
Barataria Waterway at Lafitte (USACE82875)	-0.51	1.78	0.20	0.14	0.07	-0.95	-1.19	-1.13	-2.05	-1.71	-5.90	-0.30
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.80	-109.86	-81.57	-61.13	-58.25	-34.16	-37.57	-26.81	-45.33	-61.20	-97.36	-140.08
USGS7380251 Barataria Bay North of Grand Isle	-12.51	-20.17	-21.55	-39.12	-47.00	-32.66	-22.34	-7.07	-4.24	-5.50	-10.30	-13.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	-115.38	-140.34	-81.96	-92.51	-93.88	-66.28	-54.54	-4.33	-8.82	-27.06	-45.19	-114.95
USGS 07380335 - Little Lake Near Cutoff	-183.09	-195.48	-113.59	-111.19	-107.58	-77.37	-63.93	-3.43	-5.15	-21.11	-37.70	-146.73
USGS073802516 Barataria Pass at Grand Isle	-134.69	-179.90	-108.73	-136.27	-139.62	-98.80	-61.72	8.99	0.09	-19.26	-27.70	-115.45
HWQ14 - Lake Washington	-29.84	-48.26	-39.34	-68.62	-84.18	-62.64	-38.50	3.08	2.87	-3.39	-6.85	-25.37
HWQ16 - Bayou Grand Liard	-133.33	-241.90	-220.18	-223.93	-171.31	-70.87	-30.76	-2.45	4.39	-4.37	-10.02	-98.07
CRMS 3985	-1.43	-3.50	-6.41	-21.93	-31.80	-27.65	-17.86	-8.59	-4.37	-2.79	2.55	1.85
CRMS 0258	-122.38	-129.50	-67.29	-42.57	-33.64	-19.59	-32.96	-36.30	-24.20	-24.51	-42.39	-98.66
CRMS 0224	-143.57	-180.16	-102.87	-78.02	-72.60	-51.04	-56.21	-26.80	-17.60	-23.64	-45.29	-140.22
CRMS 0163	-0.59	0.79	0.04	0.10	0.00	-0.57	-0.76	0.33	-0.66	2.15	-1.65	0.20
CRMS 0162	10.86	8.11	1.88	5.97	3.56	7.48	1.21	1.59	11.90	6.32	13.06	2.80

Figure WQ SO4 62 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	60.57	91.49	73.07	99.43	110.30	92.60	45.50	40.03	63.66	68.97	90.91	90.60
CRMS0276 - Just east of Wilkinson Canal	326.50	203.63	208.49	178.16	161.11	188.70	234.97	325.32	324.45	326.09	309.96	244.60
Barataria Waterway at Lafitte (USACE82875)	86.42	29.45	29.64	24.73	22.39	31.91	57.30	74.89	52.88	53.56	45.13	38.37
USGS2928590900040000 Barataria Waterway South of Lafitte	97.58	145.71	112.10	126.74	136.10	107.16	64.00	57.81	113.24	127.43	156.41	147.73
USGS7380251 Barataria Bay North of Grand Isle	25.72	36.14	29.08	50.79	62.31	48.70	23.47	20.74	19.94	24.03	41.35	30.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	149.90	180.67	109.06	139.40	144.99	118.17	66.04	151.44	115.42	122.36	199.81	156.01
USGS 07380335 - Little Lake Near Cutoff	258.19	250.83	171.66	186.10	185.59	155.30	136.54	276.90	197.61	215.46	288.10	237.00
USGS073802516 Barataria Pass at Grand Isle	190.08	229.96	145.40	197.87	222.49	203.98	146.13	264.38	159.65	174.37	215.34	205.26
HWQ14 - Lake Washington	46.08	68.75	43.43	82.06	103.11	88.08	36.30	50.69	46.60	44.45	68.18	57.91
HWQ16 - Bayou Grand Liard	540.91	416.74	402.17	390.00	347.99	359.81	484.70	559.41	474.40	491.05	509.04	439.87
CRMS 3985	15.42	16.70	16.31	25.75	33.34	34.04	19.58	17.37	17.04	17.39	17.13	15.56
CRMS 0258	169.50	182.58	158.10	125.49	117.51	114.45	94.97	94.31	218.95	262.45	227.08	183.42
CRMS 0224	177.20	237.15	158.88	161.20	166.34	134.86	95.92	153.12	209.25	212.61	258.27	227.04
CRMS 0163	72.91	22.03	24.31	25.27	20.66	29.18	68.28	76.89	46.25	45.37	32.39	30.31
CRMS 0162	82.05	38.97	33.78	56.61	44.17	47.42	27.39	96.85	260.20	37.86	56.25	30.12

V3PR6 HYST - cy 1 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.24	14.29	15.52	15.80	14.53	17.13	18.54	19.70	20.44	19.35	19.27	17.08
CRMS0276 - Just east of Wilkinson Canal	300.54	161.99	196.97	160.32	135.44	162.24	215.39	310.06	314.89	330.53	315.44	238.86
Barataria Waterway at Lafitte (USACE82875)	81.03	30.99	28.44	23.51	23.59	29.59	52.02	69.75	50.30	52.96	43.45	35.29
USGS2928590900040000 Barataria Waterway South of Lafitte	29.35	14.11	17.67	18.89	14.41	19.00	18.81	25.94	50.84	54.23	72.21	54.95
USGS7380251 Barataria Bay North of Grand Isle	12.66	12.52	13.08	15.83	16.37	15.51	14.87	18.33	17.96	22.33	34.74	18.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	84.84	19.39	34.05	45.52	20.38	41.23	58.06	133.31	106.91	112.35	168.24	95.96
USGS 07380335 - Little Lake Near Cutoff	190.07	40.05	69.33	79.59	30.38	69.11	130.78	263.37	190.68	214.18	265.64	182.07
USGS073802516 Barataria Pass at Grand Isle	138.36	56.95	71.67	92.67	63.90	117.31	150.01	261.86	161.88	179.74	206.36	157.81
HWQ14 - Lake Washington	26.86	16.35	20.10	30.15	35.87	38.68	35.26	60.90	53.62	53.84	70.15	41.63
HWQ16 - Bayou Grand Liard	515.39	277.25	328.18	300.47	211.83	304.13	475.33	551.94	474.30	499.87	508.06	423.01
CRMS 3985	7.91	10.50	10.53	12.51	15.97	14.28	12.55	12.43	15.12	17.18	18.86	9.56
CRMS 0258	105.95	30.58	43.47	43.21	31.66	47.93	38.21	55.85	181.12	233.42	204.66	147.08
CRMS 0224	112.92	37.11	48.76	51.82	39.32	49.88	61.46	121.89	183.02	192.78	229.84	168.77
CRMS 0163	71.11	22.80	24.22	24.62	21.47	28.44	65.14	74.75	46.75	47.68	32.50	28.99
CRMS 0162	92.44	49.42	47.17	70.26	53.84	54.40	30.61	103.51	265.48	39.90	62.57	32.89

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-43.33	-77.20	-57.54	-83.63	-95.78	-75.47	-26.95	-20.33	-43.22	-49.62	-71.64	-73.52
CRMS0276 - Just east of Wilkinson Canal	-25.96	-41.63	-11.52	-17.84	-25.66	-26.46	-19.59	-15.26	-9.56	4.44	5.48	-5.74
Barataria Waterway at Lafitte (USACE82875)	-5.38	1.53	-1.21	-1.22	1.21	-2.32	-5.28	-5.14	-2.58	-0.60	-1.68	-3.08
USGS2928590900040000 Barataria Waterway South of Lafitte	-68.23	-131.60	-94.43	-107.86	-121.70	-88.16	-45.18	-31.88	-62.41	-73.20	-84.20	-92.77
USGS7380251 Barataria Bay North of Grand Isle	-13.07	-23.62	-16.00	-34.96	-45.94	-33.19	-8.59	-2.40	-1.99	-1.70	-6.61	-11.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	-65.06	-161.28	-75.01	-93.89	-124.61	-76.94	-7.98	-18.12	-8.51	-10.01	-31.56	-60.05
USGS 07380335 - Little Lake Near Cutoff	-68.12	-210.78	-102.33	-106.51	-155.21	-86.19	-5.76	-13.54	-6.92	-1.28	-22.46	-54.93
USGS073802516 Barataria Pass at Grand Isle	-51.72	-173.01	-73.74	-105.20	-158.59	-86.66	3.87	-2.51	2.23	5.37	-8.98	-47.45
HWQ14 - Lake Washington	-19.22	-52.40	-23.33	-51.91	-67.24	-49.40	-1.04	10.21	7.02	9.39	1.97	-16.28
HWQ16 - Bayou Grand Liard	-25.53	-139.49	-73.98	-89.53	-136.17	-55.68	-9.36	-7.47	-0.10	8.81	-0.99	-16.86
CRMS 3985	-7.51	-6.19	-5.78	-13.24	-17.37	-19.76	-7.03	-4.94	-1.92	-0.21	1.73	-6.00
CRMS 0258	-63.54	-152.00	-114.64	-82.29	-85.84	-66.52	-56.76	-38.46	-37.84	-29.03	-22.41	-36.34
CRMS 0224	-64.28	-200.03	-110.12	-109.38	-127.03	-84.97	-34.46	-31.23	-26.23	-19.83	-28.44	-58.28
CRMS 0163	-1.79	0.77	-0.09	-0.65	0.81	-0.74	-3.14	-2.14	0.49	2.31	0.11	-1.32
CRMS 0162	10.39	10.45	13.39	13.65	9.67	6.97	3.23	6.66	5.27	2.03	6.32	2.77

Figure WQ SO4 63 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.42	82.62	70.77	81.45	86.54	67.99	46.48	41.45	47.28	50.96	92.61	112.19
CRMS0276 - Just east of Wilkinson Canal	284.89	108.90	98.49	91.22	89.80	63.22	107.06	145.79	163.29	275.74	383.60	321.29
Barataria Waterway at Lafitte (USACE82875)	35.32	13.69	13.61	12.63	14.61	12.42	14.12	17.82	21.10	46.01	73.07	54.78
USGS2928590900040000 Barataria Waterway South of Lafitte	115.16	123.78	95.79	90.92	93.37	68.91	58.11	55.95	67.57	83.46	149.64	181.57
USGS7380251 Barataria Bay North of Grand Isle	30.96	37.78	39.51	57.91	67.89	52.84	35.50	30.21	21.76	23.79	45.14	38.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	152.17	153.82	105.09	124.69	129.51	101.63	83.49	117.68	79.41	105.19	210.57	192.54
USGS 07380335 - Little Lake Near Cutoff	246.44	200.07	139.96	148.14	153.01	117.52	116.78	168.91	120.60	182.29	307.80	291.36
USGS073802516 Barataria Pass at Grand Isle	191.89	193.34	134.56	172.73	190.64	156.93	137.14	185.53	106.75	153.49	230.43	243.39
HWQ14 - Lake Washington	54.23	68.59	59.37	90.70	108.19	91.17	62.96	70.06	44.22	43.83	73.71	69.44
HWQ16 - Bayou Grand Liard	478.34	314.79	302.47	305.28	272.47	229.89	309.62	342.70	320.17	454.47	561.06	501.41
CRMS 3985	18.34	20.15	22.14	37.29	48.03	43.46	30.22	23.87	18.21	17.68	22.19	21.34
CRMS 0258	175.05	138.03	74.39	73.81	70.60	40.98	39.99	47.70	97.54	170.49	254.68	280.85
CRMS 0224	195.53	184.28	118.99	116.16	117.77	84.18	84.53	108.43	118.28	152.83	260.41	279.02
CRMS 0163	25.32	11.84	13.16	13.04	14.61	12.60	14.59	17.62	20.61	39.87	57.78	37.56
CRMS 0162	24.25	16.65	20.06	31.60	28.21	19.24	14.41	19.04	34.81	29.44	115.95	36.25

V3PR6 HYST - cy 1 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.38	11.77	12.04	12.45	13.17	14.76	16.78	18.09	20.59	18.00
CRMS0276 - Just east of Wilkinson Canal	135.42	58.74	42.59	50.49	46.31	24.09	20.27	58.53	163.32	275.94	375.76	319.14
Barataria Waterway at Lafitte (USACE82875)	35.58	14.56	13.79	13.09	15.33	12.40	13.76	16.90	21.00	43.94	68.33	51.77
USGS2928590900040000 Barataria Waterway South of Lafitte	12.82	10.97	12.37	11.72	12.05	12.42	13.13	14.51	22.60	38.27	63.54	58.55
USGS7380251 Barataria Bay North of Grand Isle	13.52	11.03	12.11	11.44	11.93	11.89	12.41	13.12	12.26	16.66	31.61	24.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.96	11.02	12.34	11.60	12.08	12.18	12.81	20.11	47.25	85.42	163.44	112.57
USGS 07380335 - Little Lake Near Cutoff	24.37	11.41	13.14	11.88	12.57	12.06	12.58	32.47	89.77	170.16	265.35	215.59
USGS073802516 Barataria Pass at Grand Isle	25.92	13.04	13.56	13.57	16.16	12.38	11.87	37.78	73.72	141.86	199.51	182.75
HWQ14 - Lake Washington	17.60	11.65	10.88	11.09	13.56	10.89	10.33	12.79	25.14	36.96	61.70	47.82
HWQ16 - Bayou Grand Liard	236.01	72.79	94.02	69.98	78.84	75.14	121.74	218.50	312.32	452.14	546.62	480.98
CRMS 3985	14.29	11.36	11.58	11.11	11.69	11.26	11.65	11.93	10.52	12.01	18.15	18.16
CRMS 0258	25.94	11.35	12.39	11.89	13.23	11.88	12.57	15.41	61.43	151.01	215.90	218.30
CRMS 0224	22.55	11.27	12.60	11.75	12.98	11.89	12.54	18.63	73.73	137.91	215.90	195.91
CRMS 0163	26.78	12.23	13.25	13.72	15.04	12.55	14.23	17.08	21.47	40.01	57.34	37.60
CRMS 0162	33.27	21.13	27.77	38.53	38.50	24.36	15.40	20.28	36.06	30.33	134.74	39.45

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-54.78	-71.65	-58.40	-69.68	-74.49	-55.54	-33.31	-26.69	-30.50	-32.87	-72.02	-94.19
CRMS0276 - Just east of Wilkinson Canal	-149.47	-50.16	-55.89	-40.73	-43.49	-39.13	-86.78	-87.26	0.02	0.20	-7.84	-2.14
Barataria Waterway at Lafitte (USACE82875)	0.27	0.87	0.18	0.46	0.72	-0.02	-0.35	-0.92	-0.11	-2.07	-4.74	-3.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-102.34	-112.81	-83.42	-79.20	-81.33	-56.49	-44.98	-41.44	-44.97	-45.20	-86.11	-123.02
USGS7380251 Barataria Bay North of Grand Isle	-17.44	-26.75	-27.40	-46.47	-55.97	-40.95	-23.10	-17.09	-9.50	-7.13	-13.54	-14.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	-136.20	-142.80	-92.75	-113.09	-117.43	-89.45	-70.69	-97.57	-32.16	-19.77	-47.13	-79.97
USGS 07380335 - Little Lake Near Cutoff	-222.07	-188.66	-126.82	-136.26	-140.43	-105.47	-104.21	-136.44	-30.83	-12.13	-42.45	-75.77
USGS073802516 Barataria Pass at Grand Isle	-165.98	-180.29	-120.99	-159.16	-174.47	-144.56	-125.27	-147.74	-33.03	-11.63	-30.92	-60.64
HWQ14 - Lake Washington	-36.64	-56.93	-48.49	-79.60	-94.63	-80.28	-52.63	-57.27	-19.09	-6.87	-12.01	-21.62
HWQ16 - Bayou Grand Liard	-242.33	-242.00	-208.45	-235.30	-193.63	-154.75	-187.88	-124.20	-7.85	-2.33	-14.44	-20.43
CRMS 3985	-4.05	-8.79	-10.56	-26.18	-36.34	-32.20	-18.57	-11.94	-7.69	-5.66	-4.04	-3.18
CRMS 0258	-149.11	-126.68	-62.00	-61.93	-57.38	-29.11	-27.42	-32.30	-36.11	-19.48	-38.77	-62.56
CRMS 0224	-172.99	-173.01	-106.39	-104.40	-104.80	-72.28	-72.00	-89.80	-44.56	-14.92	-44.50	-83.11
CRMS 0163	1.46	0.39	0.09	0.67	0.42	-0.04	-0.36	-0.54	0.86	0.14	-0.45	0.03
CRMS 0162	9.03	4.49	7.71	6.92	10.29	5.12	0.99	1.24	1.25	0.89	18.79	3.20

Figure WQ SO4 64 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.16	91.35	73.86	87.07	82.15	54.29	39.30	37.96	48.90	48.57	86.12	103.51
CRMS0276 - Just east of Wilkinson Canal	229.20	304.71	165.62	81.63	46.98	33.80	85.44	156.19	190.65	313.05	403.70	179.78
Barataria Waterway at Lafitte (USACE82875)	51.41	57.85	19.01	12.28	12.91	11.91	13.24	20.51	24.05	58.90	75.31	24.13
USGS2928590900040000 Barataria Waterway South of Lafitte	96.53	142.97	124.18	98.59	82.49	49.43	46.86	50.52	73.41	83.98	144.79	172.08
USGS7380251 Barataria Bay North of Grand Isle	25.85	36.76	29.70	55.30	65.96	49.01	32.72	28.05	21.53	21.45	40.72	34.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	127.36	181.90	104.64	120.49	118.12	84.64	69.83	113.14	84.70	93.51	210.14	179.22
USGS 07380335 - Little Lake Near Cutoff	210.35	268.90	162.52	142.75	131.54	93.49	96.94	169.24	132.50	177.18	313.23	258.52
USGS073802516 Barataria Pass at Grand Isle	160.23	239.18	137.29	165.52	165.56	125.97	116.28	184.02	113.36	142.07	227.98	220.51
HWQ14 - Lake Washington	44.41	64.97	42.75	86.98	106.06	82.28	55.50	63.81	43.93	36.03	66.82	66.55
HWQ16 - Bayou Grand Liard	458.02	487.70	353.67	287.02	205.73	179.71	284.87	360.32	346.34	471.84	573.12	404.71
CRMS 3985	15.91	18.78	16.66	32.54	46.54	42.34	29.11	22.85	18.04	17.15	17.13	17.22
CRMS 0258	142.44	228.13	152.28	72.68	54.49	26.62	31.29	46.17	118.61	182.11	262.69	209.06
CRMS 0224	152.47	240.55	173.17	112.91	96.42	61.98	67.55	102.95	129.67	155.65	264.04	259.31
CRMS 0163	50.40	43.00	14.02	12.37	13.07	11.83	14.15	20.87	23.20	52.50	54.54	15.19
CRMS 0162	82.02	94.65	18.17	24.74	16.18	14.17	13.92	21.37	39.00	70.15	102.78	16.86

V3PR6 HYST - cy 1 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.83	18.85	11.86	11.35	12.78	11.68	13.05	15.71	17.60	19.20	20.51	11.96
CRMS0276 - Just east of Wilkinson Canal	174.02	292.07	108.41	41.91	20.10	15.20	18.15	102.99	188.86	316.26	399.41	123.92
Barataria Waterway at Lafitte (USACE82875)	45.98	53.03	19.61	12.45	12.88	11.86	12.79	19.13	23.87	57.44	68.31	25.48
USGS2928590900040000 Barataria Waterway South of Lafitte	16.23	42.09	12.42	11.35	12.77	11.67	13.00	16.08	29.95	40.51	64.59	11.98
USGS7380251 Barataria Bay North of Grand Isle	12.85	22.19	12.73	11.27	12.65	11.50	12.11	12.71	13.53	16.59	33.85	13.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.95	110.03	17.74	11.37	12.70	11.58	12.57	37.53	66.08	84.44	172.08	14.05
USGS 07380335 - Little Lake Near Cutoff	110.01	193.21	26.72	11.49	12.66	11.55	12.35	75.71	117.51	174.21	284.49	21.98
USGS073802516 Barataria Pass at Grand Isle	78.01	174.63	32.52	12.79	12.70	11.64	11.26	84.46	100.97	145.04	213.75	36.86
HWQ14 - Lake Washington	16.81	39.26	16.22	11.33	12.08	11.22	10.07	17.59	36.67	37.90	68.96	23.85
HWQ16 - Bayou Grand Liard	398.88	455.05	130.75	55.32	35.07	47.91	114.37	302.76	349.74	480.86	563.78	170.62
CRMS 3985	13.16	16.08	12.90	11.11	12.32	11.40	11.32	10.38	10.23	12.76	19.49	15.07
CRMS 0258	22.45	139.79	37.85	11.48	12.71	11.44	12.29	19.43	89.10	165.22	233.77	40.28
CRMS 0224	43.63	158.24	30.89	11.43	12.71	11.46	12.26	33.04	100.81	143.10	234.55	31.94
CRMS 0163	47.69	41.48	14.42	12.43	13.00	11.74	13.60	19.84	24.18	53.16	51.37	16.11
CRMS 0162	90.70	105.99	22.31	31.83	17.48	16.12	14.70	23.34	44.13	75.54	117.77	20.03

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-45.33	-72.50	-62.00	-75.72	-69.37	-42.61	-26.25	-22.25	-31.31	-29.37	-65.61	-91.55
CRMS0276 - Just east of Wilkinson Canal	-55.18	-12.64	-57.20	-39.72	-26.87	-18.60	-67.29	-53.20	-1.79	3.22	-4.29	-55.86
Barataria Waterway at Lafitte (USACE82875)	-5.43	-4.83	0.60	0.17	-0.03	-0.06	-0.45	-1.39	-0.18	-1.46	-7.00	1.35
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.29	-100.88	-111.76	-87.24	-69.72	-37.76	-33.87	-34.45	-43.47	-43.47	-80.20	-160.10
USGS7380251 Barataria Bay North of Grand Isle	-13.00	-14.57	-16.97	-44.03	-53.31	-37.51	-20.62	-15.34	-8.01	-4.86	-6.87	-21.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	-79.41	-71.87	-86.91	-109.12	-105.42	-73.05	-57.26	-75.60	-18.62	-9.07	-38.06	-165.17
USGS 07380335 - Little Lake Near Cutoff	-100.34	-75.69	-135.80	-131.26	-118.88	-81.94	-84.58	-93.53	-14.99	-2.97	-28.74	-236.54
USGS073802516 Barataria Pass at Grand Isle	-82.22	-64.55	-104.76	-152.73	-152.86	-114.32	-105.02	-99.56	-12.40	2.97	-14.24	-183.64
HWQ14 - Lake Washington	-27.60	-25.72	-26.53	-75.65	-93.98	-71.06	-45.43	-46.22	-7.26	1.87	2.14	-42.70
HWQ16 - Bayou Grand Liard	-59.14	-32.65	-222.92	-231.70	-170.66	-131.80	-170.50	-57.56	3.40	9.03	-9.34	-234.09
CRMS 3985	-2.76	-2.69	-3.76	-21.43	-34.21	-30.94	-17.80	-12.47	-7.80	-4.39	2.36	-2.15
CRMS 0258	-119.99	-88.34	-114.43	-61.20	-41.78	-15.19	-19.01	-26.74	-29.50	-16.89	-28.92	-168.78
CRMS 0224	-108.84	-82.31	-142.28	-101.48	-83.71	-50.52	-55.28	-69.91	-28.87	-12.55	-29.49	-227.37
CRMS 0163	-2.71	-1.51	0.39	0.06	-0.07	-0.09	-0.55	-1.03	0.98	0.66	-3.18	0.92
CRMS 0162	8.68	11.34	4.14	7.09	1.30	1.95	0.78	1.97	5.13	5.39	14.99	3.18

Figure WQ SO4 65 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	59.92	74.61	62.16	72.85	68.91	50.62	39.10	43.10	55.84	63.15	95.54	104.26
CRMS0276 - Just east of Wilkinson Canal	260.87	144.37	88.78	61.44	55.95	70.58	130.38	233.64	235.23	282.80	317.42	270.92
Barataria Waterway at Lafitte (USACE82875)	33.22	17.36	12.30	11.38	11.52	13.49	20.37	38.44	30.61	44.80	50.42	42.19
USGS2928590900040000 Barataria Waterway South of Lafitte	101.87	115.10	89.71	78.74	68.68	50.68	48.33	58.62	94.20	109.03	152.91	168.18
USGS7380251 Barataria Bay North of Grand Isle	27.75	30.17	30.24	51.31	57.41	42.88	29.81	23.99	19.68	25.11	45.76	37.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	141.04	142.40	94.65	109.04	104.45	82.80	77.62	131.17	94.50	117.44	202.44	172.99
USGS 07380335 - Little Lake Near Cutoff	229.19	197.58	131.55	125.89	120.03	99.99	119.46	218.89	152.78	196.37	288.00	260.23
USGS073802516 Barataria Pass at Grand Isle	177.71	186.99	124.02	151.10	154.40	138.49	138.82	220.14	128.57	166.43	222.01	222.19
HWQ14 - Lake Washington	49.38	57.35	47.51	82.28	93.86	75.53	54.90	58.17	42.31	47.69	75.46	65.57
HWQ16 - Bayou Grand Liard	463.22	348.03	287.76	261.56	219.42	231.03	354.21	446.87	395.53	460.41	512.26	463.46
CRMS 3985	16.32	14.09	14.80	31.60	41.37	36.22	24.42	18.00	16.54	17.38	22.15	20.52
CRMS 0258	144.12	132.26	80.04	59.02	44.51	33.15	39.86	76.96	165.04	205.94	238.18	239.44
CRMS 0224	174.88	180.39	116.75	95.47	83.70	68.47	77.97	130.78	163.45	178.09	252.45	252.90
CRMS 0163	25.66	14.83	11.75	11.29	11.50	13.63	25.15	40.12	28.41	38.42	39.08	30.52
CRMS 0162	30.47	26.92	15.85	20.98	19.93	23.57	18.58	27.76	48.41	27.45	77.76	31.93

V3PR7 HYST - cy 1 - 1975 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	13.13	12.17	11.32	10.98	11.04	13.20	15.27	17.90	18.50	18.43	19.48	17.63
CRMS0276 - Just east of Wilkinson Canal	137.79	80.36	34.76	33.45	21.33	27.39	59.03	194.69	238.66	288.41	320.55	271.68
Barataria Waterway at Lafitte (USACE82875)	35.10	19.04	12.74	11.50	11.59	13.41	18.21	35.19	30.06	45.10	48.18	40.05
USGS2928590900040000 Barataria Waterway South of Lafitte	14.07	12.17	11.32	10.98	11.03	13.15	14.33	20.88	41.30	47.55	66.71	58.74
USGS7380251 Barataria Bay North of Grand Isle	12.73	11.93	11.23	10.91	10.97	12.35	11.78	13.67	15.64	19.11	33.22	20.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.72	12.22	11.33	10.97	11.02	12.79	16.69	83.71	87.82	93.41	161.68	104.82
USGS 07380335 - Little Lake Near Cutoff	40.01	13.51	11.66	11.01	11.03	12.55	32.06	168.47	153.14	181.55	257.03	198.08
USGS073802516 Barataria Pass at Grand Isle	35.52	15.61	11.68	11.13	11.36	12.52	41.85	176.71	133.03	152.36	198.90	171.55
HWQ14 - Lake Washington	16.16	10.97	10.37	10.36	10.90	10.48	11.22	35.40	46.79	44.37	65.88	44.76
HWQ16 - Bayou Grand Liard	272.58	120.07	60.32	37.90	39.25	90.37	259.31	434.82	404.23	461.01	511.03	449.21
CRMS 3985	9.75	11.32	11.02	10.72	10.85	11.48	10.84	9.98	12.41	14.78	19.02	10.34
CRMS 0258	38.86	12.81	11.40	11.12	11.15	12.43	13.04	31.09	131.52	186.01	207.76	194.54
CRMS 0224	34.98	13.29	11.48	11.06	11.07	12.42	15.64	71.67	141.99	159.40	215.23	184.60
CRMS 0163	27.82	15.69	11.90	11.40	11.47	13.51	22.36	39.10	28.45	40.28	38.76	30.55
CRMS 0162	40.05	35.91	19.62	27.29	25.75	29.41	19.90	30.15	55.76	31.07	88.15	35.24

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.78	-62.43	-50.84	-61.86	-57.87	-37.41	-23.83	-25.20	-37.34	-44.72	-76.06	-86.62
CRMS0276 - Just east of Wilkinson Canal	-123.08	-64.01	-54.01	-28.00	-34.62	-43.19	-71.35	-38.95	3.43	5.61	3.13	0.76
Barataria Waterway at Lafitte (USACE82875)	1.88	1.68	0.44	0.11	0.06	-0.08	-2.16	-3.25	-0.55	0.30	-2.24	-2.15
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.80	-102.92	-78.39	-67.76	-57.65	-37.53	-34.00	-37.74	-52.90	-61.48	-86.20	-109.44
USGS7380251 Barataria Bay North of Grand Isle	-15.02	-18.25	-19.01	-40.40	-46.44	-30.53	-18.03	-10.32	-4.04	-6.01	-12.54	-17.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-119.32	-130.18	-83.32	-98.07	-93.43	-70.02	-60.93	-47.46	-6.68	-24.03	-40.77	-68.17
USGS 07380335 - Little Lake Near Cutoff	-189.18	-184.07	-119.88	-114.87	-108.99	-87.44	-87.39	-50.41	0.36	-14.82	-30.97	-62.15
USGS073802516 Barataria Pass at Grand Isle	-142.18	-171.39	-112.34	-139.97	-143.04	-125.97	-96.96	-43.44	4.46	-14.06	-23.12	-50.64
HWQ14 - Lake Washington	-33.23	-46.39	-37.14	-71.92	-82.97	-65.05	-43.68	-22.77	4.48	-3.32	-9.58	-20.80
HWQ16 - Bayou Grand Liard	-190.64	-227.96	-227.44	-223.66	-180.17	-140.66	-94.89	-12.05	8.70	0.60	-1.22	-14.25
CRMS 3985	-6.57	-2.76	-3.78	-20.88	-30.52	-24.74	-13.58	-8.02	-4.13	-2.60	-3.13	-10.18
CRMS 0258	-105.25	-119.45	-68.65	-47.89	-33.37	-20.72	-26.82	-45.87	-33.53	-19.93	-30.42	-44.90
CRMS 0224	-139.90	-167.11	-105.27	-84.41	-72.63	-56.05	-62.32	-59.11	-21.46	-18.69	-37.22	-68.30
CRMS 0163	2.16	0.86	0.15	0.12	-0.02	-0.12	-2.79	-1.02	0.04	1.86	-0.32	0.02
CRMS 0162	9.58	8.99	3.76	6.32	5.82	5.84	1.32	2.40	7.35	3.62	10.40	3.30

Figure WQ SO4 66 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.03	78.15	65.41	67.88	69.70	49.64	43.34	33.43	52.30	63.38	103.27	111.51
CRMS0276 - Just east of Wilkinson Canal	255.06	139.68	69.72	68.88	47.23	90.85	169.83	220.87	251.09	362.78	394.86	241.73
Barataria Waterway at Lafitte (USACE82875)	41.25	16.35	11.26	11.54	11.22	17.50	24.44	34.15	33.78	69.86	65.96	32.96
USGS2928590900040000 Barataria Waterway South of Lafitte	102.27	121.37	92.42	72.06	69.22	48.00	52.65	47.66	86.30	110.35	171.53	188.75
USGS7380251 Barataria Bay North of Grand Isle	26.55	31.79	32.37	49.98	57.93	43.67	32.64	21.12	20.09	25.26	46.79	35.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	138.18	152.02	92.82	103.43	104.83	82.02	87.39	94.95	98.15	128.96	227.78	182.54
USGS 07380335 - Little Lake Near Cutoff	228.20	208.67	124.59	122.15	118.53	101.53	139.30	176.96	161.35	224.41	329.68	269.32
USGS073802516 Barataria Pass at Grand Isle	175.29	196.21	119.91	147.31	150.78	141.79	156.36	175.81	134.57	186.03	246.26	227.20
HWQ14 - Lake Washington	47.08	60.41	49.74	78.95	94.96	73.85	56.35	40.41	44.73	49.00	78.01	66.64
HWQ16 - Bayou Grand Liard	476.31	346.59	264.87	267.05	206.14	258.50	391.70	424.86	404.56	516.81	568.26	449.53
CRMS 3985	14.91	15.27	17.17	32.58	42.62	37.59	26.68	18.05	16.79	18.03	18.45	16.20
CRMS 0258	144.52	142.00	78.17	53.63	44.63	32.45	51.92	73.45	161.79	230.35	301.39	232.99
CRMS 0224	170.27	192.90	113.76	89.04	83.56	65.53	91.03	106.49	163.35	196.29	292.38	272.97
CRMS 0163	36.82	13.43	11.00	11.50	11.22	17.53	26.75	35.81	31.10	58.60	47.16	23.53
CRMS 0162	39.40	22.71	14.25	21.62	16.46	31.27	19.54	32.21	105.15	127.59	84.09	26.14

V3PR7 HYST - cy 1 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.42	11.51	10.85	10.94	10.99	15.11	15.70	17.61	19.23	20.00	20.43	15.21
CRMS0276 - Just east of Wilkinson Canal	163.45	83.31	25.01	34.26	18.13	61.52	132.56	208.39	256.50	356.19	388.21	230.01
Barataria Waterway at Lafitte (USACE82875)	40.61	18.18	11.44	11.68	11.26	16.52	23.14	33.37	32.51	67.47	60.87	32.92
USGS2928590900040000 Barataria Waterway South of Lafitte	14.54	11.52	10.85	10.93	10.97	13.84	15.12	20.86	42.99	50.03	74.87	48.78
USGS7380251 Barataria Bay North of Grand Isle	14.00	11.61	10.82	10.86	10.92	11.00	10.28	13.95	16.04	19.68	36.08	21.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	22.49	11.68	10.86	10.92	10.95	15.64	32.37	91.63	91.81	101.77	181.17	66.48
USGS 07380335 - Little Lake Near Cutoff	44.56	13.19	11.07	10.95	10.95	24.07	74.00	176.66	161.00	202.57	289.57	120.95
USGS073802516 Barataria Pass at Grand Isle	40.05	16.24	11.05	11.01	11.16	42.95	93.12	186.10	138.26	166.73	217.95	111.21
HWQ14 - Lake Washington	17.02	12.12	10.40	10.33	10.78	11.20	17.48	43.44	49.88	46.17	71.12	40.95
HWQ16 - Bayou Grand Liard	342.05	104.83	41.76	41.29	34.13	186.76	355.15	433.22	414.99	509.03	554.71	351.25
CRMS 3985	13.43	11.76	10.76	10.66	10.82	9.96	8.83	9.40	12.32	15.17	20.87	18.01
CRMS 0258	22.04	12.55	10.88	11.06	11.00	12.79	18.54	37.53	139.39	207.03	257.32	133.87
CRMS 0224	26.65	12.81	10.90	11.01	10.97	14.40	34.03	80.99	149.25	174.35	246.04	131.80
CRMS 0163	36.05	14.23	11.04	11.56	11.19	16.97	25.67	36.57	31.22	60.26	46.21	23.80
CRMS 0162	50.50	30.72	15.89	26.34	20.89	38.01	20.70	35.86	114.73	127.31	95.41	29.46

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.61	-66.65	-54.56	-56.95	-58.71	-34.53	-27.64	-15.81	-33.07	-43.38	-82.84	-96.30
CRMS0276 - Just east of Wilkinson Canal	-91.61	-56.37	-44.70	-34.62	-29.10	-29.32	-37.27	-12.47	5.41	-6.59	-6.65	-11.73
Barataria Waterway at Lafitte (USACE82875)	-0.64	1.82	0.18	0.13	0.04	-0.98	-1.30	-0.78	-1.27	-2.38	-5.09	-0.04
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.73	-109.85	-81.57	-61.13	-58.25	-34.16	-37.53	-26.80	-43.32	-60.32	-96.67	-139.97
USGS7380251 Barataria Bay North of Grand Isle	-12.55	-20.17	-21.55	-39.12	-47.00	-32.67	-22.37	-7.16	-4.05	-5.57	-10.71	-13.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	-115.69	-140.35	-81.95	-92.51	-93.88	-66.39	-55.02	-3.32	-6.33	-27.19	-46.60	-116.06
USGS 07380335 - Little Lake Near Cutoff	-183.64	-195.48	-113.52	-111.20	-107.58	-77.46	-65.30	-0.29	-0.36	-21.84	-40.11	-148.36
USGS073802516 Barataria Pass at Grand Isle	-135.24	-179.97	-108.86	-136.31	-139.62	-98.84	-63.24	10.30	3.69	-19.30	-28.31	-115.99
HWQ14 - Lake Washington	-30.06	-48.30	-39.34	-68.62	-84.18	-62.65	-38.87	3.03	5.15	-2.82	-6.89	-25.69
HWQ16 - Bayou Grand Liard	-134.26	-241.76	-223.11	-225.76	-172.02	-71.74	-36.55	8.36	10.44	-7.78	-13.55	-98.29
CRMS 3985	-1.47	-3.51	-6.41	-21.92	-31.79	-27.62	-17.85	-8.65	-4.47	-2.85	2.42	1.81
CRMS 0258	-122.48	-129.45	-67.29	-42.57	-33.63	-19.65	-33.38	-35.92	-22.40	-23.31	-44.07	-99.11
CRMS 0224	-143.61	-180.09	-102.86	-78.02	-72.60	-51.13	-57.00	-25.50	-14.10	-21.94	-46.35	-141.17
CRMS 0163	-0.77	0.81	0.04	0.06	-0.03	-0.56	-1.09	0.77	0.12	1.66	-0.95	0.27
CRMS 0162	11.10	8.01	1.63	4.72	4.42	6.75	1.16	3.65	9.58	-0.27	11.32	3.32

Figure WQ SO4 67 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	60.57	91.49	73.07	99.43	110.30	92.60	45.50	40.03	63.66	68.97	90.91	90.60
CRMS0276 - Just east of Wilkinson Canal	326.50	203.63	208.49	178.16	161.11	188.70	234.97	325.32	324.45	326.09	309.96	244.60
Barataria Waterway at Lafitte (USACE82875)	86.42	29.45	29.64	24.73	22.39	31.91	57.30	74.89	52.88	53.56	45.13	38.37
USGS2928590900040000 Barataria Waterway South of Lafitte	97.58	145.71	112.10	126.74	136.10	107.16	64.00	57.81	113.24	127.43	156.41	147.73
USGS7380251 Barataria Bay North of Grand Isle	25.72	36.14	29.08	50.79	62.31	48.70	23.47	20.74	19.94	24.03	41.35	30.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	149.90	180.67	109.06	139.40	144.99	118.17	66.04	151.44	115.42	122.36	199.81	156.01
USGS 07380335 - Little Lake Near Cutoff	258.19	250.83	171.66	186.10	185.59	155.30	136.54	276.90	197.61	215.46	288.10	237.00
USGS073802516 Barataria Pass at Grand Isle	190.08	229.96	145.40	197.87	222.49	203.98	146.13	264.38	159.65	174.37	215.34	205.26
HWQ14 - Lake Washington	46.08	68.75	43.43	82.06	103.11	88.08	36.30	50.69	46.60	44.45	68.18	57.91
HWQ16 - Bayou Grand Liard	540.91	416.74	402.17	390.00	347.99	359.81	484.70	559.41	474.40	491.05	509.04	439.87
CRMS 3985	15.42	16.70	16.31	25.75	33.34	34.04	19.58	17.37	17.04	17.39	17.13	15.56
CRMS 0258	169.50	182.58	158.10	125.49	117.51	114.45	94.97	94.31	218.95	262.45	227.08	183.42
CRMS 0224	177.20	237.15	158.88	161.20	166.34	134.86	95.92	153.12	209.25	212.61	258.27	227.04
CRMS 0163	72.91	22.03	24.31	25.27	20.66	29.18	68.28	76.89	46.25	45.37	32.39	30.31
CRMS 0162	82.05	38.97	33.78	56.61	44.17	47.42	27.39	96.85	260.20	37.86	56.25	30.12

V3PR7 HYST - cy 1 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.73	14.31	15.54	15.77	14.52	17.13	18.53	19.73	20.66	19.26	18.75	17.04
CRMS0276 - Just east of Wilkinson Canal	299.82	162.76	198.79	154.24	133.17	168.19	220.44	315.71	322.04	328.78	310.37	239.25
Barataria Waterway at Lafitte (USACE82875)	80.41	31.02	28.85	23.06	23.28	29.39	54.30	73.00	50.23	51.26	42.44	36.15
USGS2928590900040000 Barataria Waterway South of Lafitte	29.96	14.12	17.88	18.73	14.41	18.85	18.96	26.44	53.73	56.10	73.11	56.58
USGS7380251 Barataria Bay North of Grand Isle	18.45	13.32	13.82	16.05	16.34	15.52	14.91	18.59	18.01	22.37	33.78	23.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	86.62	19.91	34.89	45.04	20.24	40.57	59.67	135.74	107.48	111.10	161.20	97.66
USGS 07380335 - Little Lake Near Cutoff	189.49	40.51	70.23	77.47	30.27	67.86	133.98	265.37	191.39	210.69	256.34	182.92
USGS073802516 Barataria Pass at Grand Isle	140.19	57.82	72.11	90.40	62.67	116.75	153.89	265.79	162.31	177.50	197.45	159.90
HWQ14 - Lake Washington	33.11	19.15	21.44	30.19	35.37	38.81	35.40	63.13	53.89	53.74	65.09	45.76
HWQ16 - Bayou Grand Liard	511.31	279.90	326.12	290.47	210.35	303.55	485.68	558.22	479.20	492.88	501.00	423.59
CRMS 3985	14.67	12.35	11.65	12.93	16.10	14.32	12.58	12.53	15.23	17.23	20.62	17.75
CRMS 0258	106.19	31.59	43.99	41.31	31.46	48.54	38.78	58.63	187.42	236.43	203.21	147.05
CRMS 0224	113.90	38.43	49.57	50.46	38.90	49.22	63.66	125.37	186.92	193.09	225.16	169.49
CRMS 0163	70.39	23.45	24.38	24.00	21.12	28.25	68.14	80.87	45.89	45.71	32.02	30.12
CRMS 0162	92.60	49.27	41.98	65.26	52.82	53.49	31.06	104.22	265.37	40.28	65.20	32.57

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-42.84	-77.18	-57.52	-83.65	-95.78	-75.47	-26.96	-20.30	-43.00	-49.71	-72.16	-73.56
CRMS0276 - Just east of Wilkinson Canal	-26.68	-40.87	-9.70	-23.92	-27.94	-20.50	-14.54	-9.61	-2.41	2.69	0.40	-5.35
Barataria Waterway at Lafitte (USACE82875)	-6.01	1.57	-0.79	-1.67	0.89	-2.51	-3.00	-1.89	-2.65	-2.30	-2.69	-2.22
USGS2928590900040000 Barataria Waterway South of Lafitte	-67.62	-131.59	-94.22	-108.01	-121.70	-88.31	-45.04	-31.38	-59.52	-71.33	-83.30	-91.14
USGS7380251 Barataria Bay North of Grand Isle	-7.27	-22.83	-15.26	-34.74	-45.97	-33.18	-8.55	-2.15	-1.93	-1.66	-7.57	-7.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	-63.28	-160.76	-74.17	-94.36	-124.76	-77.59	-6.37	-15.70	-7.94	-11.26	-38.61	-58.35
USGS 07380335 - Little Lake Near Cutoff	-68.70	-210.32	-101.42	-108.64	-155.31	-87.44	-2.56	-11.53	-6.22	-4.77	-31.76	-54.09
USGS073802516 Barataria Pass at Grand Isle	-49.89	-172.14	-73.29	-107.47	-159.82	-87.23	7.76	1.41	2.66	3.13	-17.89	-45.36
HWQ14 - Lake Washington	-12.97	-49.60	-21.99	-51.87	-67.74	-49.27	-0.90	12.44	7.28	9.29	-3.09	-12.15
HWQ16 - Bayou Grand Liard	-29.60	-136.84	-76.05	-99.53	-137.64	-56.26	0.99	-1.19	4.80	1.83	-8.04	-16.28
CRMS 3985	-0.75	-4.34	-4.66	-12.83	-17.23	-19.72	-6.99	-4.83	-1.81	-0.15	3.49	2.19
CRMS 0258	-63.31	-151.00	-114.11	-84.18	-86.05	-65.91	-56.19	-35.68	-31.54	-26.02	-23.86	-36.37
CRMS 0224	-63.30	-198.72	-109.31	-110.74	-127.44	-85.63	-32.26	-27.75	-22.33	-19.52	-33.11	-57.56
CRMS 0163	-2.51	1.42	0.07	-1.27	0.46	-0.93	-0.14	3.98	-0.36	0.34	-0.37	-0.19
CRMS 0162	10.55	10.30	8.20	8.65	8.65	6.07	3.67	7.37	5.17	2.41	8.95	2.45

Figure WQ SO4 68 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.42	82.62	70.77	81.45	86.54	67.99	46.48	41.45	47.28	50.96	92.61	112.19
CRMS0276 - Just east of Wilkinson Canal	284.89	108.90	98.49	91.22	89.80	63.22	107.06	145.79	163.29	275.74	383.60	321.29
Barataria Waterway at Lafitte (USACE82875)	35.32	13.69	13.61	12.63	14.61	12.42	14.12	17.82	21.10	46.01	73.07	54.78
USGS2928590900040000 Barataria Waterway South of Lafitte	115.16	123.78	95.79	90.92	93.37	68.91	58.11	55.95	67.57	83.46	149.64	181.57
USGS7380251 Barataria Bay North of Grand Isle	30.96	37.78	39.51	57.91	67.89	52.84	35.50	30.21	21.76	23.79	45.14	38.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	152.17	153.82	105.09	124.69	129.51	101.63	83.49	117.68	79.41	105.19	210.57	192.54
USGS 07380335 - Little Lake Near Cutoff	246.44	200.07	139.96	148.14	153.01	117.52	116.78	168.91	120.60	182.29	307.80	291.36
USGS073802516 Barataria Pass at Grand Isle	191.89	193.34	134.56	172.73	190.64	156.93	137.14	185.53	106.75	153.49	230.43	243.39
HWQ14 - Lake Washington	54.23	68.59	59.37	90.70	108.19	91.17	62.96	70.06	44.22	43.83	73.71	69.44
HWQ16 - Bayou Grand Liard	478.34	314.79	302.47	305.28	272.47	229.89	309.62	342.70	320.17	454.47	561.06	501.41
CRMS 3985	18.34	20.15	22.14	37.29	48.03	43.46	30.22	23.87	18.21	17.68	22.19	21.34
CRMS 0258	175.05	138.03	74.39	73.81	70.60	40.98	39.99	47.70	97.54	170.49	254.68	280.85
CRMS 0224	195.53	184.28	118.99	116.16	117.77	84.18	84.53	108.43	118.28	152.83	260.41	279.02
CRMS 0163	25.32	11.84	13.16	13.04	14.61	12.60	14.59	17.62	20.61	39.87	57.78	37.56
CRMS 0162	24.25	16.65	20.06	31.60	28.21	19.24	14.41	19.04	34.81	29.44	115.95	36.25

V3PR7 HYST - cy 1 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.38	11.77	12.04	12.45	13.17	14.76	16.82	18.20	20.58	18.05
CRMS0276 - Just east of Wilkinson Canal	133.46	58.06	44.46	50.44	46.50	24.29	20.27	59.99	162.34	275.45	375.84	317.29
Barataria Waterway at Lafitte (USACE82875)	35.23	14.43	13.81	13.06	15.38	12.41	13.77	17.09	20.96	44.14	68.88	51.37
USGS2928590900040000 Barataria Waterway South of Lafitte	12.87	10.97	12.37	11.71	12.05	12.41	13.11	14.50	23.17	38.88	66.50	61.62
USGS7380251 Barataria Bay North of Grand Isle	13.50	11.03	12.11	11.44	11.93	11.89	12.42	13.12	12.22	16.84	32.48	24.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.85	11.02	12.33	11.61	12.08	12.18	12.81	20.55	47.32	85.55	165.65	113.76
USGS 07380335 - Little Lake Near Cutoff	24.02	11.41	13.11	11.99	12.56	12.05	12.58	33.74	89.58	169.02	269.21	217.63
USGS073802516 Barataria Pass at Grand Isle	25.48	12.96	13.63	13.85	16.50	12.34	11.86	39.71	74.19	142.76	203.99	183.55
HWQ14 - Lake Washington	17.46	11.65	10.89	11.10	13.66	10.89	10.35	12.92	25.67	37.38	64.63	49.13
HWQ16 - Bayou Grand Liard	233.98	72.68	96.47	72.85	77.94	76.57	121.85	224.27	309.59	452.13	548.71	478.98
CRMS 3985	14.29	11.35	11.60	11.13	11.70	11.28	11.68	11.95	10.52	12.11	18.58	18.42
CRMS 0258	26.36	11.39	12.40	11.95	13.38	11.87	12.55	15.45	61.35	151.82	218.32	221.92
CRMS 0224	22.61	11.30	12.61	11.82	13.02	11.89	12.53	18.82	74.91	139.31	220.45	198.64
CRMS 0163	26.59	12.17	13.24	13.63	14.91	12.56	14.24	17.30	21.25	40.23	57.06	37.05
CRMS 0162	33.41	21.24	28.40	39.88	37.27	24.40	15.49	20.54	37.92	30.01	134.11	40.81

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-54.79	-71.65	-58.40	-69.68	-74.49	-55.54	-33.31	-26.69	-30.46	-32.75	-72.03	-94.15
CRMS0276 - Just east of Wilkinson Canal	-151.43	-50.84	-54.02	-40.77	-43.30	-38.92	-86.79	-85.80	-0.95	-0.29	-7.76	-4.00
Barataria Waterway at Lafitte (USACE82875)	-0.08	0.74	0.20	0.43	0.77	-0.01	-0.35	-0.73	-0.14	-1.87	-4.19	-3.40
USGS2928590900040000 Barataria Waterway South of Lafitte	-102.29	-112.81	-83.42	-79.22	-81.32	-56.50	-44.99	-41.45	-44.40	-44.58	-83.15	-119.95
USGS7380251 Barataria Bay North of Grand Isle	-17.45	-26.75	-27.40	-46.47	-55.97	-40.95	-23.08	-17.09	-9.54	-6.95	-12.67	-13.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	-136.32	-142.80	-92.75	-113.07	-117.43	-89.45	-70.68	-97.12	-32.09	-19.64	-44.92	-78.78
USGS 07380335 - Little Lake Near Cutoff	-222.43	-188.66	-126.86	-136.15	-140.44	-105.47	-104.21	-135.17	-31.02	-13.27	-38.59	-73.73
USGS073802516 Barataria Pass at Grand Isle	-166.41	-180.38	-120.92	-158.88	-174.14	-144.59	-125.28	-145.82	-32.56	-10.73	-26.44	-59.84
HWQ14 - Lake Washington	-36.77	-56.94	-48.47	-79.60	-94.53	-80.28	-52.61	-57.15	-18.56	-6.45	-9.08	-20.31
HWQ16 - Bayou Grand Liard	-244.36	-242.11	-205.99	-232.43	-194.53	-153.32	-187.77	-118.43	-10.58	-2.34	-12.35	-22.43
CRMS 3985	-4.05	-8.80	-10.54	-26.16	-36.33	-32.18	-18.54	-11.91	-7.69	-5.57	-3.62	-2.91
CRMS 0258	-148.68	-126.64	-61.98	-61.86	-57.23	-29.12	-27.44	-32.25	-36.19	-18.67	-36.35	-58.93
CRMS 0224	-172.92	-172.98	-106.38	-104.34	-104.75	-72.29	-72.01	-89.61	-43.37	-13.52	-39.96	-80.39
CRMS 0163	1.27	0.34	0.08	0.58	0.30	-0.04	-0.35	-0.33	0.64	0.37	-0.73	-0.51
CRMS 0162	9.16	4.60	8.34	8.27	9.06	5.16	1.08	1.50	3.11	0.57	18.16	4.56

Figure WQ SO4 69 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.16	91.35	73.86	87.07	82.15	54.29	39.30	37.96	48.90	48.57	86.12	103.51
CRMS0276 - Just east of Wilkinson Canal	229.20	304.71	165.62	81.63	46.98	33.80	85.44	156.19	190.65	313.05	403.70	179.78
Barataria Waterway at Lafitte (USACE82875)	51.41	57.85	19.01	12.28	12.91	11.91	13.24	20.51	24.05	58.90	75.31	24.13
USGS2928590900040000 Barataria Waterway South of Lafitte	96.53	142.97	124.18	98.59	82.49	49.43	46.86	50.52	73.41	83.98	144.79	172.08
USGS7380251 Barataria Bay North of Grand Isle	25.85	36.76	29.70	55.30	65.96	49.01	32.72	28.05	21.53	21.45	40.72	34.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	127.36	181.90	104.64	120.49	118.12	84.64	69.83	113.14	84.70	93.51	210.14	179.22
USGS 07380335 - Little Lake Near Cutoff	210.35	268.90	162.52	142.75	131.54	93.49	96.94	169.24	132.50	177.18	313.23	258.52
USGS073802516 Barataria Pass at Grand Isle	160.23	239.18	137.29	165.52	165.56	125.97	116.28	184.02	113.36	142.07	227.98	220.51
HWQ14 - Lake Washington	44.41	64.97	42.75	86.98	106.06	82.28	55.50	63.81	43.93	36.03	66.82	66.55
HWQ16 - Bayou Grand Liard	458.02	487.70	353.67	287.02	205.73	179.71	284.87	360.32	346.34	471.84	573.12	404.71
CRMS 3985	15.91	18.78	16.66	32.54	46.54	42.34	29.11	22.85	18.04	17.15	17.13	17.22
CRMS 0258	142.44	228.13	152.28	72.68	54.49	26.62	31.29	46.17	118.61	182.11	262.69	209.06
CRMS 0224	152.47	240.55	173.17	112.91	96.42	61.98	67.55	102.95	129.67	155.65	264.04	259.31
CRMS 0163	50.40	43.00	14.02	12.37	13.07	11.83	14.15	20.87	23.20	52.50	54.54	15.19
CRMS 0162	82.02	94.65	18.17	24.74	16.18	14.17	13.92	21.37	39.00	70.15	102.78	16.86

V3PR7 HYST - cy 1 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.81	18.65	11.86	11.35	12.78	11.67	13.05	15.70	17.54	19.18	20.38	11.98
CRMS0276 - Just east of Wilkinson Canal	169.87	291.58	108.97	42.89	20.48	15.04	17.81	100.14	186.83	313.16	397.65	124.55
Barataria Waterway at Lafitte (USACE82875)	45.17	52.54	19.81	12.49	12.91	11.86	12.79	18.96	23.59	56.07	68.76	25.71
USGS2928590900040000 Barataria Waterway South of Lafitte	16.05	41.73	12.52	11.35	12.76	11.65	12.98	16.00	29.74	41.60	66.00	12.01
USGS7380251 Barataria Bay North of Grand Isle	12.36	21.59	12.65	11.27	12.65	11.50	12.13	12.67	13.22	16.58	33.51	13.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	46.73	107.77	17.73	11.37	12.70	11.58	12.57	36.30	63.61	84.96	170.67	14.20
USGS 07380335 - Little Lake Near Cutoff	107.72	192.24	26.86	11.51	12.67	11.54	12.35	73.05	113.89	174.85	282.54	22.58
USGS073802516 Barataria Pass at Grand Isle	76.04	173.15	32.64	12.99	12.74	11.63	11.24	82.69	97.36	144.87	213.34	37.28
HWQ14 - Lake Washington	16.08	38.03	15.97	11.33	12.12	11.23	10.09	17.33	35.66	37.79	68.32	23.44
HWQ16 - Bayou Grand Liard	392.63	455.16	135.91	62.16	36.32	46.76	112.86	294.35	341.13	478.96	562.01	174.24
CRMS 3985	12.48	15.73	12.79	11.10	12.34	11.40	11.35	10.39	10.12	12.61	19.37	14.78
CRMS 0258	22.00	136.43	37.31	11.50	12.71	11.42	12.26	19.19	85.53	163.35	231.28	40.94
CRMS 0224	42.67	156.18	31.02	11.44	12.72	11.45	12.25	32.09	97.96	142.42	233.76	32.51
CRMS 0163	46.95	41.91	14.55	12.60	13.01	11.73	13.58	19.60	23.92	52.45	52.89	16.07
CRMS 0162	90.95	105.75	22.09	32.48	17.61	16.18	14.69	23.22	41.29	74.64	115.64	20.06

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-45.35	-72.69	-62.01	-75.72	-69.37	-42.61	-26.25	-22.26	-31.36	-29.39	-65.74	-91.53
CRMS0276 - Just east of Wilkinson Canal	-59.32	-13.13	-56.65	-38.74	-26.49	-18.76	-67.63	-56.06	-3.82	0.11	-6.05	-55.23
Barataria Waterway at Lafitte (USACE82875)	-6.24	-5.31	0.80	0.21	0.00	-0.06	-0.45	-1.56	-0.46	-2.83	-6.55	1.58
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.47	-101.24	-111.66	-87.24	-69.73	-37.77	-33.88	-34.52	-43.67	-42.38	-78.79	-160.07
USGS7380251 Barataria Bay North of Grand Isle	-13.49	-15.17	-17.05	-44.03	-53.31	-37.51	-20.60	-15.39	-8.31	-4.87	-7.21	-21.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	-80.63	-74.13	-86.92	-109.12	-105.41	-73.06	-57.26	-76.84	-21.09	-8.55	-39.47	-165.01
USGS 07380335 - Little Lake Near Cutoff	-102.63	-76.66	-135.66	-131.24	-118.87	-81.94	-84.58	-96.19	-18.61	-2.33	-30.69	-235.95
USGS073802516 Barataria Pass at Grand Isle	-84.19	-66.03	-104.64	-152.53	-152.82	-114.34	-105.04	-101.33	-16.01	2.80	-14.65	-183.23
HWQ14 - Lake Washington	-28.33	-26.94	-26.78	-75.66	-93.94	-71.06	-45.41	-46.48	-8.27	1.76	1.50	-43.11
HWQ16 - Bayou Grand Liard	-65.39	-32.54	-217.76	-224.86	-169.42	-132.95	-172.01	-65.97	-5.21	7.13	-11.12	-230.47
CRMS 3985	-3.43	-3.04	-3.87	-21.44	-34.20	-30.94	-17.77	-12.46	-7.92	-4.53	2.24	-2.44
CRMS 0258	-120.44	-91.69	-114.97	-61.18	-41.78	-15.20	-19.03	-26.98	-33.08	-18.76	-31.41	-168.12
CRMS 0224	-109.80	-84.37	-142.15	-101.47	-83.70	-50.53	-55.29	-70.85	-31.71	-13.23	-30.28	-226.80
CRMS 0163	-3.44	-1.09	0.53	0.23	-0.06	-0.10	-0.57	-1.27	0.72	-0.05	-1.66	0.89
CRMS 0162	8.93	11.10	3.92	7.74	1.43	2.01	0.77	1.86	2.29	4.49	12.85	3.20

Figure WQ SO4 70 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	59.92	74.61	62.16	72.85	68.91	50.62	39.10	43.10	55.84	63.15	95.54	104.26
CRMS0276 - Just east of Wilkinson Canal	260.87	144.37	88.78	61.44	55.95	70.58	130.38	233.64	235.23	282.80	317.42	270.92
Barataria Waterway at Lafitte (USACE82875)	33.22	17.36	12.30	11.38	11.52	13.49	20.37	38.44	30.61	44.80	50.42	42.19
USGS2928590900040000 Barataria Waterway South of Lafitte	101.87	115.10	89.71	78.74	68.68	50.68	48.33	58.62	94.20	109.03	152.91	168.18
USGS7380251 Barataria Bay North of Grand Isle	27.75	30.17	30.24	51.31	57.41	42.88	29.81	23.99	19.68	25.11	45.76	37.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	141.04	142.40	94.65	109.04	104.45	82.80	77.62	131.17	94.50	117.44	202.44	172.99
USGS 07380335 - Little Lake Near Cutoff	229.19	197.58	131.55	125.89	120.03	99.99	119.46	218.89	152.78	196.37	288.00	260.23
USGS073802516 Barataria Pass at Grand Isle	177.71	186.99	124.02	151.10	154.40	138.49	138.82	220.14	128.57	166.43	222.01	222.19
HWQ14 - Lake Washington	49.38	57.35	47.51	82.28	93.86	75.53	54.90	58.17	42.31	47.69	75.46	65.57
HWQ16 - Bayou Grand Liard	463.22	348.03	287.76	261.56	219.42	231.03	354.21	446.87	395.53	460.41	512.26	463.46
CRMS 3985	16.32	14.09	14.80	31.60	41.37	36.22	24.42	18.00	16.54	17.38	22.15	20.52
CRMS 0258	144.12	132.26	80.04	59.02	44.51	33.15	39.86	76.96	165.04	205.94	238.18	239.44
CRMS 0224	174.88	180.39	116.75	95.47	83.70	68.47	77.97	130.78	163.45	178.09	252.45	252.90
CRMS 0163	25.66	14.83	11.75	11.29	11.50	13.63	25.15	40.12	28.41	38.42	39.08	30.52
CRMS 0162	30.47	26.92	15.85	20.98	19.93	23.57	18.58	27.76	48.41	27.45	77.76	31.93

V3PR8 HYST - cy 1 - 1975 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	13.12	12.18	11.32	10.98	11.04	13.20	15.28	17.89	18.47	18.30	19.11	17.22
CRMS0276 - Just east of Wilkinson Canal	151.94	92.75	40.15	40.07	24.20	30.26	65.91	211.78	283.50	337.49	361.35	320.30
Barataria Waterway at Lafitte (USACE82875)	106.41	78.65	38.96	22.95	20.47	22.20	36.91	93.60	118.35	133.42	150.67	138.59
USGS2928590900040000 Barataria Waterway South of Lafitte	13.99	12.18	11.32	10.98	11.03	13.15	14.33	20.68	41.78	48.81	66.57	57.96
USGS7380251 Barataria Bay North of Grand Isle	14.17	12.14	11.28	10.92	10.98	12.35	11.78	13.29	14.93	18.15	29.64	22.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	21.76	12.26	11.34	10.98	11.02	12.85	16.73	82.58	90.63	98.20	158.12	102.66
USGS 07380335 - Little Lake Near Cutoff	40.21	13.44	11.52	11.01	11.04	12.59	33.46	174.52	167.78	198.72	261.20	202.92
USGS073802516 Barataria Pass at Grand Isle	36.34	16.62	11.89	11.29	11.48	12.62	43.02	177.09	139.16	160.14	193.59	170.32
HWQ14 - Lake Washington	18.70	12.16	10.81	10.48	10.90	10.51	11.01	32.44	41.26	39.35	55.06	39.02
HWQ16 - Bayou Grand Liard	272.71	129.23	60.76	42.74	45.71	94.11	271.23	438.36	421.55	479.49	517.03	461.95
CRMS 3985	13.96	12.07	11.19	10.77	10.87	11.47	10.84	9.84	11.97	14.06	17.52	16.72
CRMS 0258	39.28	12.72	11.39	11.11	11.16	12.44	13.07	31.00	143.91	211.36	222.99	204.90
CRMS 0224	34.97	13.14	11.44	11.05	11.08	12.44	15.88	72.59	151.93	174.50	224.25	188.03
CRMS 0163	31.91	16.98	12.55	11.42	11.51	13.47	22.35	35.11	23.94	36.61	41.54	33.20
CRMS 0162	41.83	38.64	20.31	27.02	29.40	31.01	19.62	31.16	52.92	29.89	88.90	34.10

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.79	-62.43	-50.84	-61.86	-57.87	-37.41	-23.83	-25.21	-37.37	-44.85	-76.43	-87.04
CRMS0276 - Just east of Wilkinson Canal	-108.93	-51.62	-48.63	-21.38	-31.76	-40.32	-64.47	-21.86	48.27	54.69	43.94	49.38
Barataria Waterway at Lafitte (USACE82875)	73.19	61.29	26.66	11.56	8.94	8.71	16.54	55.17	87.74	88.62	100.25	96.39
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.88	-102.92	-78.39	-67.76	-57.65	-37.53	-34.00	-37.94	-52.43	-60.22	-86.34	-110.22
USGS7380251 Barataria Bay North of Grand Isle	-13.59	-18.03	-18.95	-40.39	-46.44	-30.53	-18.03	-10.69	-4.76	-6.97	-16.12	-15.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	-119.28	-130.14	-83.31	-98.06	-93.43	-69.96	-60.88	-48.59	-3.87	-19.24	-44.33	-70.33
USGS 07380335 - Little Lake Near Cutoff	-188.97	-184.14	-120.03	-114.87	-108.98	-87.41	-86.00	-44.37	15.00	2.35	-26.80	-57.31
USGS073802516 Barataria Pass at Grand Isle	-141.37	-170.38	-112.14	-139.81	-142.92	-125.87	-95.80	-43.05	10.59	-6.29	-28.42	-51.87
HWQ14 - Lake Washington	-30.68	-45.19	-36.70	-71.80	-82.96	-65.02	-43.89	-25.73	-1.05	-8.34	-20.41	-26.55
HWQ16 - Bayou Grand Liard	-190.51	-218.79	-227.00	-218.82	-173.71	-136.92	-82.97	-8.52	26.02	19.08	4.78	-1.50
CRMS 3985	-2.36	-2.01	-3.60	-20.83	-30.50	-24.76	-13.58	-8.16	-4.57	-3.32	-4.63	-3.80
CRMS 0258	-104.84	-119.53	-68.65	-47.91	-33.35	-20.72	-26.79	-45.96	-21.13	5.42	-15.19	-34.54
CRMS 0224	-139.92	-167.26	-105.31	-84.42	-72.62	-56.03	-62.08	-58.19	-11.52	-3.59	-28.20	-64.87
CRMS 0163	6.24	2.15	0.80	0.14	0.02	-0.16	-2.80	-5.00	-4.47	-1.81	2.46	2.68
CRMS 0162	11.36	11.72	4.46	6.04	9.47	7.44	1.03	3.41	4.51	2.44	11.14	2.17

Figure WQ SO4 71 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.03	78.15	65.41	67.88	69.70	49.64	43.34	33.43	52.30	63.38	103.27	111.51
CRMS0276 - Just east of Wilkinson Canal	255.06	139.68	69.72	68.88	47.23	90.85	169.83	220.87	251.09	362.78	394.86	241.73
Barataria Waterway at Lafitte (USACE82875)	41.25	16.35	11.26	11.54	11.22	17.50	24.44	34.15	33.78	69.86	65.96	32.96
USGS2928590900040000 Barataria Waterway South of Lafitte	102.27	121.37	92.42	72.06	69.22	48.00	52.65	47.66	86.30	110.35	171.53	188.75
USGS7380251 Barataria Bay North of Grand Isle	26.55	31.79	32.37	49.98	57.93	43.67	32.64	21.12	20.09	25.26	46.79	35.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	138.18	152.02	92.82	103.43	104.83	82.02	87.39	94.95	98.15	128.96	227.78	182.54
USGS 07380335 - Little Lake Near Cutoff	228.20	208.67	124.59	122.15	118.53	101.53	139.30	176.96	161.35	224.41	329.68	269.32
USGS073802516 Barataria Pass at Grand Isle	175.29	196.21	119.91	147.31	150.78	141.79	156.36	175.81	134.57	186.03	246.26	227.20
HWQ14 - Lake Washington	47.08	60.41	49.74	78.95	94.96	73.85	56.35	40.41	44.73	49.00	78.01	66.64
HWQ16 - Bayou Grand Liard	476.31	346.59	264.87	267.05	206.14	258.50	391.70	424.86	404.56	516.81	568.26	449.53
CRMS 3985	14.91	15.27	17.17	32.58	42.62	37.59	26.68	18.05	16.79	18.03	18.45	16.20
CRMS 0258	144.52	142.00	78.17	53.63	44.63	32.45	51.92	73.45	161.79	230.35	301.39	232.99
CRMS 0224	170.27	192.90	113.76	89.04	83.56	65.53	91.03	106.49	163.35	196.29	292.38	272.97
CRMS 0163	36.82	13.43	11.00	11.50	11.22	17.53	26.75	35.81	31.10	58.60	47.16	23.53
CRMS 0162	39.40	22.71	14.25	21.62	16.46	31.27	19.54	32.21	105.15	127.59	84.09	26.14

V3PR8 HYST - cy 1 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.31	11.51	10.85	10.94	10.99	15.10	15.69	17.62	19.16	19.79	20.55	15.30
CRMS0276 - Just east of Wilkinson Canal	175.84	94.32	28.68	41.70	20.12	69.67	144.99	228.66	302.57	404.90	432.92	270.81
Barataria Waterway at Lafitte (USACE82875)	107.40	83.07	29.00	24.69	18.01	26.55	62.60	102.39	126.21	189.14	198.65	130.54
USGS2928590900040000 Barataria Waterway South of Lafitte	14.40	11.52	10.85	10.93	10.97	13.85	15.07	20.75	42.86	50.80	75.38	49.12
USGS7380251 Barataria Bay North of Grand Isle	11.62	11.46	10.79	10.86	10.92	10.95	10.09	13.53	15.29	18.59	31.92	17.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.20	11.63	10.86	10.93	10.95	15.61	32.29	91.77	93.56	103.43	181.16	64.08
USGS 07380335 - Little Lake Near Cutoff	41.77	12.86	11.01	10.94	10.95	24.45	77.35	185.25	173.07	215.38	298.92	122.42
USGS073802516 Barataria Pass at Grand Isle	35.20	15.63	10.80	10.98	11.18	43.90	94.73	189.57	142.53	172.45	216.57	106.69
HWQ14 - Lake Washington	11.34	10.82	10.12	10.23	10.71	10.91	15.34	39.17	43.13	40.72	60.85	28.99
HWQ16 - Bayou Grand Liard	343.87	112.27	42.37	46.05	38.58	191.96	362.98	434.25	430.56	525.72	566.57	364.14
CRMS 3985	9.31	11.18	10.67	10.62	10.81	9.92	8.77	9.20	11.91	14.48	15.17	9.89
CRMS 0258	21.52	12.43	10.87	11.04	11.01	12.78	18.45	37.35	149.45	229.06	271.95	140.50
CRMS 0224	25.15	12.62	10.89	11.01	10.98	14.29	34.34	82.84	157.28	185.55	255.04	136.24
CRMS 0163	38.38	15.45	11.34	11.65	11.20	15.94	24.69	33.17	24.72	52.85	49.72	28.33
CRMS 0162	52.54	32.67	17.20	27.22	20.69	38.39	20.75	35.51	113.88	118.80	95.98	29.94

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-46.72	-66.65	-54.56	-56.95	-58.71	-34.53	-27.65	-15.81	-33.14	-43.59	-82.72	-96.21
CRMS0276 - Just east of Wilkinson Canal	-79.22	-45.35	-41.03	-27.18	-27.11	-21.17	-24.84	7.79	51.48	42.12	38.06	29.08
Barataria Waterway at Lafitte (USACE82875)	66.15	66.72	17.74	13.15	6.79	9.06	38.15	68.24	92.43	119.28	132.70	97.58
USGS2928590900040000 Barataria Waterway South of Lafitte	-87.87	-109.85	-81.57	-61.13	-58.25	-34.15	-37.58	-26.91	-43.45	-59.55	-96.15	-139.63
USGS7380251 Barataria Bay North of Grand Isle	-14.93	-20.33	-21.58	-39.12	-47.00	-32.72	-22.56	-7.59	-4.80	-6.67	-14.87	-18.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	-117.98	-140.40	-81.96	-92.50	-93.88	-66.41	-55.10	-3.18	-4.59	-25.53	-46.62	-118.46
USGS 07380335 - Little Lake Near Cutoff	-186.43	-195.81	-113.58	-111.21	-107.58	-77.08	-61.95	8.29	11.72	-9.03	-30.77	-146.89
USGS073802516 Barataria Pass at Grand Isle	-140.09	-180.58	-109.11	-136.33	-139.60	-97.89	-61.63	13.77	7.96	-13.58	-29.68	-120.50
HWQ14 - Lake Washington	-35.75	-49.59	-39.62	-68.71	-84.25	-62.94	-41.01	-1.24	-1.60	-8.27	-17.17	-37.65
HWQ16 - Bayou Grand Liard	-132.45	-234.32	-222.50	-221.00	-167.56	-66.54	-28.72	9.39	26.00	8.91	-1.70	-85.39
CRMS 3985	-5.59	-4.09	-6.50	-21.96	-31.80	-27.66	-17.92	-8.85	-4.89	-3.55	-3.27	-6.32
CRMS 0258	-123.00	-129.57	-67.30	-42.59	-33.61	-19.67	-33.46	-36.10	-12.34	-1.29	-29.43	-92.48
CRMS 0224	-145.12	-180.28	-102.87	-78.03	-72.59	-51.25	-56.68	-23.65	-6.07	-10.73	-37.34	-136.72
CRMS 0163	1.56	2.03	0.34	0.15	-0.02	-1.59	-2.07	-2.63	-6.37	-5.76	2.56	4.81
CRMS 0162	13.14	9.96	2.94	5.59	4.23	7.12	1.21	3.30	8.74	-8.78	11.89	3.80

Figure WQ SO4 72 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	60.57	91.49	73.07	99.43	110.30	92.60	45.50	40.03	63.66	68.97	90.91	90.60
CRMS0276 - Just east of Wilkinson Canal	326.50	203.63	208.49	178.16	161.11	188.70	234.97	325.32	324.45	326.09	309.96	244.60
Barataria Waterway at Lafitte (USACE82875)	86.42	29.45	29.64	24.73	22.39	31.91	57.30	74.89	52.88	53.56	45.13	38.37
USGS2928590900040000 Barataria Waterway South of Lafitte	97.58	145.71	112.10	126.74	136.10	107.16	64.00	57.81	113.24	127.43	156.41	147.73
USGS7380251 Barataria Bay North of Grand Isle	25.72	36.14	29.08	50.79	62.31	48.70	23.47	20.74	19.94	24.03	41.35	30.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	149.90	180.67	109.06	139.40	144.99	118.17	66.04	151.44	115.42	122.36	199.81	156.01
USGS 07380335 - Little Lake Near Cutoff	258.19	250.83	171.66	186.10	185.59	155.30	136.54	276.90	197.61	215.46	288.10	237.00
USGS073802516 Barataria Pass at Grand Isle	190.08	229.96	145.40	197.87	222.49	203.98	146.13	264.38	159.65	174.37	215.34	205.26
HWQ14 - Lake Washington	46.08	68.75	43.43	82.06	103.11	88.08	36.30	50.69	46.60	44.45	68.18	57.91
HWQ16 - Bayou Grand Liard	540.91	416.74	402.17	390.00	347.99	359.81	484.70	559.41	474.40	491.05	509.04	439.87
CRMS 3985	15.42	16.70	16.31	25.75	33.34	34.04	19.58	17.37	17.04	17.39	17.13	15.56
CRMS 0258	169.50	182.58	158.10	125.49	117.51	114.45	94.97	94.31	218.95	262.45	227.08	183.42
CRMS 0224	177.20	237.15	158.88	161.20	166.34	134.86	95.92	153.12	209.25	212.61	258.27	227.04
CRMS 0163	72.91	22.03	24.31	25.27	20.66	29.18	68.28	76.89	46.25	45.37	32.39	30.31
CRMS 0162	82.05	38.97	33.78	56.61	44.17	47.42	27.39	96.85	260.20	37.86	56.25	30.12

V3PR8 HYST - cy 1 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.59	14.31	15.52	15.75	14.51	17.10	18.46	19.67	20.29	18.69	17.64	16.44
CRMS0276 - Just east of Wilkinson Canal	334.35	196.32	223.63	194.70	149.77	179.32	246.39	354.81	381.93	396.16	400.67	318.15
Barataria Waterway at Lafitte (USACE82875)	170.43	130.74	99.63	77.81	73.30	66.36	124.84	195.32	187.89	171.87	162.33	128.43
USGS2928590900040000 Barataria Waterway South of Lafitte	29.80	14.09	17.58	19.29	14.32	17.27	18.36	25.75	52.87	54.66	68.31	53.34
USGS7380251 Barataria Bay North of Grand Isle	17.57	13.19	13.49	15.24	15.85	14.44	13.67	16.60	16.50	19.23	30.24	20.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	87.73	19.42	33.37	44.53	19.71	38.25	55.48	131.99	110.34	104.00	166.86	96.59
USGS 07380335 - Little Lake Near Cutoff	199.98	40.27	69.29	81.01	28.74	69.27	139.94	283.30	212.35	217.96	280.74	198.23
USGS073802516 Barataria Pass at Grand Isle	142.96	57.86	69.73	93.06	59.99	120.21	153.10	269.88	172.65	172.99	203.60	168.28
HWQ14 - Lake Washington	28.89	17.29	18.91	27.66	29.95	31.53	27.25	51.14	48.06	41.11	56.99	37.03
HWQ16 - Bayou Grand Liard	536.32	289.14	334.95	308.02	220.86	335.56	512.49	591.22	511.00	524.76	555.91	477.95
CRMS 3985	14.24	12.10	11.39	12.34	15.23	13.48	11.70	11.47	14.17	15.56	17.84	16.44
CRMS 0258	113.33	31.32	45.06	47.34	33.27	42.27	33.82	55.55	195.11	259.02	210.40	153.89
CRMS 0224	119.69	37.91	50.43	55.18	40.79	45.48	61.45	125.03	196.72	200.40	235.28	176.28
CRMS 0163	74.22	25.98	26.44	24.43	21.84	22.84	51.76	66.53	33.19	38.93	35.30	31.12
CRMS 0162	93.30	51.23	44.70	65.60	51.34	45.33	32.18	106.08	252.94	43.23	54.43	28.13

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-42.99	-77.18	-57.55	-83.68	-95.79	-75.51	-27.04	-20.36	-43.37	-50.28	-73.27	-74.15
CRMS0276 - Just east of Wilkinson Canal	7.85	-7.31	15.14	16.54	-11.34	-9.38	11.42	29.49	57.48	70.06	90.70	73.55
Barataria Waterway at Lafitte (USACE82875)	84.02	101.29	69.98	53.09	50.91	34.46	67.54	120.43	135.01	118.31	117.20	90.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-67.78	-131.62	-94.53	-107.46	-121.78	-89.89	-45.63	-32.06	-60.37	-72.77	-88.10	-94.39
USGS7380251 Barataria Bay North of Grand Isle	-8.15	-22.95	-15.60	-35.54	-46.46	-34.26	-9.79	-4.13	-3.44	-4.80	-11.11	-9.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	-62.16	-161.24	-75.68	-94.87	-125.29	-79.92	-10.56	-19.45	-5.08	-18.35	-32.95	-59.42
USGS 07380335 - Little Lake Near Cutoff	-58.21	-210.56	-102.37	-105.09	-156.85	-86.03	3.40	6.39	14.74	2.49	-7.37	-38.78
USGS073802516 Barataria Pass at Grand Isle	-47.12	-172.10	-75.67	-104.81	-162.50	-83.77	6.97	5.50	13.00	-1.39	-11.74	-36.98
HWQ14 - Lake Washington	-17.19	-51.47	-24.52	-54.40	-73.16	-56.56	-9.05	0.44	1.46	-3.33	-11.19	-20.88
HWQ16 - Bayou Grand Liard	-4.60	-127.61	-67.21	-81.98	-127.13	-24.25	27.79	31.81	36.60	33.71	46.86	38.08
CRMS 3985	-1.18	-4.59	-4.92	-13.41	-18.10	-20.56	-7.88	-5.90	-2.87	-1.83	0.72	0.88
CRMS 0258	-56.17	-151.27	-113.04	-78.15	-84.23	-72.19	-61.15	-38.76	-23.84	-3.43	-16.68	-29.53
CRMS 0224	-57.51	-199.24	-108.45	-106.02	-125.56	-89.37	-34.47	-28.09	-12.53	-12.21	-22.99	-50.76
CRMS 0163	1.32	3.95	2.13	-0.84	1.18	-6.34	-16.51	-10.36	-13.07	-6.44	2.91	0.81
CRMS 0162	11.25	12.26	10.91	8.99	7.17	-2.09	4.79	9.23	-7.26	5.36	-1.82	-1.99

Figure WQ SO4 73 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.42	82.62	70.77	81.45	86.54	67.99	46.48	41.45	47.28	50.96	92.61	112.19
CRMS0276 - Just east of Wilkinson Canal	284.89	108.90	98.49	91.22	89.80	63.22	107.06	145.79	163.29	275.74	383.60	321.29
Barataria Waterway at Lafitte (USACE82875)	35.32	13.69	13.61	12.63	14.61	12.42	14.12	17.82	21.10	46.01	73.07	54.78
USGS2928590900040000 Barataria Waterway South of Lafitte	115.16	123.78	95.79	90.92	93.37	68.91	58.11	55.95	67.57	83.46	149.64	181.57
USGS7380251 Barataria Bay North of Grand Isle	30.96	37.78	39.51	57.91	67.89	52.84	35.50	30.21	21.76	23.79	45.14	38.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	152.17	153.82	105.09	124.69	129.51	101.63	83.49	117.68	79.41	105.19	210.57	192.54
USGS 07380335 - Little Lake Near Cutoff	246.44	200.07	139.96	148.14	153.01	117.52	116.78	168.91	120.60	182.29	307.80	291.36
USGS073802516 Barataria Pass at Grand Isle	191.89	193.34	134.56	172.73	190.64	156.93	137.14	185.53	106.75	153.49	230.43	243.39
HWQ14 - Lake Washington	54.23	68.59	59.37	90.70	108.19	91.17	62.96	70.06	44.22	43.83	73.71	69.44
HWQ16 - Bayou Grand Liard	478.34	314.79	302.47	305.28	272.47	229.89	309.62	342.70	320.17	454.47	561.06	501.41
CRMS 3985	18.34	20.15	22.14	37.29	48.03	43.46	30.22	23.87	18.21	17.68	22.19	21.34
CRMS 0258	175.05	138.03	74.39	73.81	70.60	40.98	39.99	47.70	97.54	170.49	254.68	280.85
CRMS 0224	195.53	184.28	118.99	116.16	117.77	84.18	84.53	108.43	118.28	152.83	260.41	279.02
CRMS 0163	25.32	11.84	13.16	13.04	14.61	12.60	14.59	17.62	20.61	39.87	57.78	37.56
CRMS 0162	24.25	16.65	20.06	31.60	28.21	19.24	14.41	19.04	34.81	29.44	115.95	36.25

V3PR8 HYST - cy 1 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.65	10.97	12.38	11.77	12.04	12.45	13.17	14.76	16.82	17.88	20.73	18.08
CRMS0276 - Just east of Wilkinson Canal	148.89	67.46	47.11	62.24	52.24	27.17	21.44	65.80	194.78	319.71	420.62	370.33
Barataria Waterway at Lafitte (USACE82875)	111.25	58.25	32.94	35.26	40.00	22.58	25.01	36.31	64.53	122.32	185.33	175.31
USGS2928590900040000 Barataria Waterway South of Lafitte	12.88	10.97	12.37	11.71	12.05	12.41	13.11	14.50	23.71	38.28	66.18	60.62
USGS7380251 Barataria Bay North of Grand Isle	11.96	10.87	12.03	11.42	11.90	11.88	12.42	13.16	12.14	15.00	29.44	16.75
USGS73802515 Hackberry Bay Northwest of Grand Isle	15.45	10.99	12.31	11.60	12.08	12.21	12.86	20.31	49.86	79.95	167.66	109.78
USGS 07380335 - Little Lake Near Cutoff	23.98	11.25	12.82	11.86	12.54	12.05	12.59	34.02	101.70	172.22	279.57	221.96
USGS073802516 Barataria Pass at Grand Isle	22.14	12.10	12.76	13.31	16.39	12.21	11.83	39.14	80.35	137.26	204.96	181.80
HWQ14 - Lake Washington	10.81	10.01	10.26	10.82	12.97	10.71	10.36	12.78	23.58	30.32	56.21	36.10
HWQ16 - Bayou Grand Liard	237.06	75.37	93.00	70.15	86.26	81.68	125.19	226.05	332.59	461.42	561.46	492.51
CRMS 3985	8.94	10.58	11.31	11.02	11.63	11.25	11.67	11.95	10.41	11.81	14.27	7.45
CRMS 0258	26.28	11.34	12.37	11.94	13.26	11.87	12.56	15.40	68.21	165.92	229.26	230.23
CRMS 0224	22.51	11.24	12.57	11.77	13.00	11.88	12.54	18.84	81.51	141.99	227.57	202.03
CRMS 0163	32.38	12.75	13.60	13.75	15.21	12.69	14.30	16.41	18.21	35.65	58.89	42.61
CRMS 0162	35.91	22.39	28.27	41.53	38.61	24.92	15.60	20.42	36.80	30.14	132.62	40.96

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-54.77	-71.65	-58.39	-69.68	-74.49	-55.54	-33.31	-26.69	-30.46	-33.08	-71.89	-94.12
CRMS0276 - Just east of Wilkinson Canal	-136.01	-41.44	-51.37	-28.98	-37.57	-36.05	-85.61	-79.99	31.48	43.97	37.01	49.04
Barataria Waterway at Lafitte (USACE82875)	75.93	44.57	19.33	22.63	25.40	10.16	10.90	18.49	43.42	76.31	112.25	120.53
USGS2928590900040000 Barataria Waterway South of Lafitte	-102.28	-112.81	-83.42	-79.22	-81.32	-56.50	-44.99	-41.46	-43.86	-45.19	-83.47	-120.95
USGS7380251 Barataria Bay North of Grand Isle	-19.00	-26.91	-27.48	-46.49	-56.00	-40.96	-23.08	-17.05	-9.62	-8.79	-15.71	-22.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	-136.71	-142.83	-92.78	-113.09	-117.43	-89.42	-70.63	-97.37	-29.55	-25.24	-42.91	-82.76
USGS 07380335 - Little Lake Near Cutoff	-222.47	-188.82	-127.14	-136.28	-140.47	-105.48	-104.20	-134.90	-18.90	-10.07	-28.23	-69.40
USGS073802516 Barataria Pass at Grand Isle	-169.75	-181.24	-121.80	-159.42	-174.24	-144.72	-125.31	-146.39	-26.39	-16.24	-25.48	-61.60
HWQ14 - Lake Washington	-43.42	-58.58	-49.11	-79.88	-95.22	-80.47	-52.60	-57.28	-20.64	-13.52	-17.50	-33.34
HWQ16 - Bayou Grand Liard	-241.29	-239.42	-209.47	-235.13	-186.21	-148.21	-184.44	-116.65	12.42	6.96	0.40	-8.89
CRMS 3985	-9.39	-9.57	-10.83	-26.27	-36.40	-32.21	-18.55	-11.92	-7.80	-5.87	-7.92	-13.88
CRMS 0258	-148.77	-126.68	-62.02	-61.87	-57.34	-29.12	-27.43	-32.31	-29.33	-4.57	-25.42	-50.62
CRMS 0224	-173.03	-173.04	-106.42	-104.39	-104.77	-72.30	-71.99	-89.59	-36.77	-10.84	-32.84	-76.99
CRMS 0163	7.06	0.91	0.44	0.71	0.60	0.09	-0.29	-1.21	-2.40	-4.22	1.11	5.05
CRMS 0162	11.67	5.75	8.21	9.93	10.39	5.68	1.19	1.38	1.99	0.70	16.67	4.70

Figure WQ SO4 74 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.16	91.35	73.86	87.07	82.15	54.29	39.30	37.96	48.90	48.57	86.12	103.51
CRMS0276 - Just east of Wilkinson Canal	229.20	304.71	165.62	81.63	46.98	33.80	85.44	156.19	190.65	313.05	403.70	179.78
Barataria Waterway at Lafitte (USACE82875)	51.41	57.85	19.01	12.28	12.91	11.91	13.24	20.51	24.05	58.90	75.31	24.13
USGS2928590900040000 Barataria Waterway South of Lafitte	96.53	142.97	124.18	98.59	82.49	49.43	46.86	50.52	73.41	83.98	144.79	172.08
USGS7380251 Barataria Bay North of Grand Isle	25.85	36.76	29.70	55.30	65.96	49.01	32.72	28.05	21.53	21.45	40.72	34.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	127.36	181.90	104.64	120.49	118.12	84.64	69.83	113.14	84.70	93.51	210.14	179.22
USGS 07380335 - Little Lake Near Cutoff	210.35	268.90	162.52	142.75	131.54	93.49	96.94	169.24	132.50	177.18	313.23	258.52
USGS073802516 Barataria Pass at Grand Isle	160.23	239.18	137.29	165.52	165.56	125.97	116.28	184.02	113.36	142.07	227.98	220.51
HWQ14 - Lake Washington	44.41	64.97	42.75	86.98	106.06	82.28	55.50	63.81	43.93	36.03	66.82	66.55
HWQ16 - Bayou Grand Liard	458.02	487.70	353.67	287.02	205.73	179.71	284.87	360.32	346.34	471.84	573.12	404.71
CRMS 3985	15.91	18.78	16.66	32.54	46.54	42.34	29.11	22.85	18.04	17.15	17.13	17.22
CRMS 0258	142.44	228.13	152.28	72.68	54.49	26.62	31.29	46.17	118.61	182.11	262.69	209.06
CRMS 0224	152.47	240.55	173.17	112.91	96.42	61.98	67.55	102.95	129.67	155.65	264.04	259.31
CRMS 0163	50.40	43.00	14.02	12.37	13.07	11.83	14.15	20.87	23.20	52.50	54.54	15.19
CRMS 0162	82.02	94.65	18.17	24.74	16.18	14.17	13.92	21.37	39.00	70.15	102.78	16.86

V3PR8 HYST - cy 1 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.72	18.48	11.86	11.36	12.78	11.69	13.05	15.71	17.65	19.09	20.59	11.98
CRMS0276 - Just east of Wilkinson Canal	175.87	330.57	125.33	52.58	23.52	15.52	18.97	114.86	226.20	354.97	445.30	145.73
Barataria Waterway at Lafitte (USACE82875)	90.21	168.86	101.65	33.64	21.15	13.31	16.90	42.50	80.61	151.14	210.51	118.67
USGS2928590900040000 Barataria Waterway South of Lafitte	15.80	40.61	12.45	11.35	12.76	11.67	12.98	16.10	31.51	43.03	65.83	12.01
USGS7380251 Barataria Bay North of Grand Isle	11.21	19.29	12.37	11.26	12.64	11.52	12.11	12.70	13.14	15.49	30.19	12.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	42.91	106.41	17.18	11.36	12.71	11.60	12.63	38.04	69.25	86.78	170.40	13.89
USGS 07380335 - Little Lake Near Cutoff	104.54	195.92	26.38	11.48	12.67	11.56	12.38	81.18	131.26	186.13	290.48	22.09
USGS073802516 Barataria Pass at Grand Isle	71.20	174.60	31.69	12.73	12.67	11.59	11.22	87.73	108.01	147.31	212.97	34.41
HWQ14 - Lake Washington	13.25	33.20	14.61	11.09	11.99	11.19	10.15	17.10	33.72	33.28	59.13	18.25
HWQ16 - Bayou Grand Liard	392.24	469.01	137.57	61.10	38.88	47.58	116.70	313.10	366.62	487.36	574.73	181.23
CRMS 3985	11.15	13.69	12.30	11.06	12.32	11.41	11.34	10.36	9.83	11.68	14.57	12.31
CRMS 0258	21.27	139.94	38.43	11.52	12.72	11.44	12.28	19.64	99.31	184.13	245.07	41.06
CRMS 0224	40.72	159.17	31.05	11.45	12.72	11.47	12.27	34.50	110.93	155.13	241.98	32.45
CRMS 0163	45.78	41.53	17.22	12.68	13.06	11.72	13.47	17.91	19.91	46.58	56.49	19.86
CRMS 0162	90.71	104.60	21.93	34.68	17.77	15.97	14.79	23.17	42.37	69.57	119.77	20.63

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-45.44	-72.87	-62.01	-75.71	-69.37	-42.60	-26.25	-22.25	-31.25	-29.48	-65.53	-91.53
CRMS0276 - Just east of Wilkinson Canal	-53.33	25.86	-40.29	-29.04	-23.46	-18.28	-66.47	-41.33	35.55	41.93	41.60	-34.06
Barataria Waterway at Lafitte (USACE82875)	38.80	111.01	82.64	21.36	8.25	1.40	3.66	21.98	56.56	92.23	135.20	94.54
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.72	-102.36	-111.73	-87.23	-69.73	-37.76	-33.88	-34.42	-41.90	-40.95	-78.96	-160.07
USGS7380251 Barataria Bay North of Grand Isle	-14.64	-17.47	-17.33	-44.04	-53.32	-37.50	-20.61	-15.35	-8.39	-5.96	-10.54	-22.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-84.45	-75.50	-87.47	-109.12	-105.41	-73.03	-57.20	-75.10	-15.45	-6.73	-39.74	-165.33
USGS 07380335 - Little Lake Near Cutoff	-105.81	-72.98	-136.14	-131.27	-118.87	-81.93	-84.56	-88.06	-1.24	8.95	-22.75	-236.44
USGS073802516 Barataria Pass at Grand Isle	-89.03	-64.59	-105.60	-152.79	-152.89	-114.38	-105.06	-96.30	-5.35	5.24	-15.01	-186.10
HWQ14 - Lake Washington	-31.16	-31.78	-28.14	-75.89	-94.08	-71.09	-45.34	-46.70	-10.21	-2.74	-7.69	-48.31
HWQ16 - Bayou Grand Liard	-65.78	-18.69	-216.10	-225.93	-166.85	-132.13	-168.17	-47.22	20.28	15.52	1.60	-223.47
CRMS 3985	-4.77	-5.08	-4.36	-21.49	-34.22	-30.93	-17.77	-12.49	-8.21	-5.47	-2.56	-4.91
CRMS 0258	-121.17	-88.18	-113.85	-61.16	-41.77	-15.18	-19.01	-26.52	-19.29	2.02	-17.62	-168.00
CRMS 0224	-111.75	-81.37	-142.12	-101.47	-83.70	-50.51	-55.27	-68.45	-18.74	-0.52	-22.06	-226.87
CRMS 0163	-4.62	-1.46	3.20	0.31	-0.01	-0.11	-0.68	-2.96	-3.29	-5.92	1.94	4.67
CRMS 0162	8.70	9.95	3.76	9.93	1.58	1.80	0.87	1.80	3.37	-0.57	16.99	3.77

Figure WQ SO4 75 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 1 - 1975 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	59.92	74.61	62.16	72.85	68.91	50.62	39.10	43.10	55.84	63.15	95.54	104.26
CRMS0276 - Just east of Wilkinson Canal	260.87	144.37	88.78	61.44	55.95	70.58	130.38	233.64	235.23	282.80	317.42	270.92
Barataria Waterway at Lafitte (USACE82875)	33.22	17.36	12.30	11.38	11.52	13.49	20.37	38.44	30.61	44.80	50.42	42.19
USGS2928590900040000 Barataria Waterway South of Lafitte	101.87	115.10	89.71	78.74	68.68	50.68	48.33	58.62	94.20	109.03	152.91	168.18
USGS7380251 Barataria Bay North of Grand Isle	27.75	30.17	30.24	51.31	57.41	42.88	29.81	23.99	19.68	25.11	45.76	37.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	141.04	142.40	94.65	109.04	104.45	82.80	77.62	131.17	94.50	117.44	202.44	172.99
USGS 07380335 - Little Lake Near Cutoff	229.19	197.58	131.55	125.89	120.03	99.99	119.46	218.89	152.78	196.37	288.00	260.23
USGS073802516 Barataria Pass at Grand Isle	177.71	186.99	124.02	151.10	154.40	138.49	138.82	220.14	128.57	166.43	222.01	222.19
HWQ14 - Lake Washington	49.38	57.35	47.51	82.28	93.86	75.53	54.90	58.17	42.31	47.69	75.46	65.57
HWQ16 - Bayou Grand Liard	463.22	348.03	287.76	261.56	219.42	231.03	354.21	446.87	395.53	460.41	512.26	463.46
CRMS 3985	16.32	14.09	14.80	31.60	41.37	36.22	24.42	18.00	16.54	17.38	22.15	20.52
CRMS 0258	144.12	132.26	80.04	59.02	44.51	33.15	39.86	76.96	165.04	205.94	238.18	239.44
CRMS 0224	174.88	180.39	116.75	95.47	83.70	68.47	77.97	130.78	163.45	178.09	252.45	252.90
CRMS 0163	25.66	14.83	11.75	11.29	11.50	13.63	25.15	40.12	28.41	38.42	39.08	30.52
CRMS 0162	30.47	26.92	15.85	20.98	19.93	23.57	18.58	27.76	48.41	27.45	77.76	31.93

V3PR9 HYST - cy 1 - 1975 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	55.99	72.52	62.11	80.35	78.08	57.12	41.27	42.55	53.67	57.32	84.07	97.07
CRMS0276 - Just east of Wilkinson Canal	300.26	185.75	118.98	81.79	68.93	87.96	152.20	255.10	277.72	325.64	361.89	323.62
Barataria Waterway at Lafitte (USACE82875)	117.80	82.81	38.56	22.88	20.52	24.18	48.34	109.90	117.42	127.05	149.61	143.47
USGS2928590900040000 Barataria Waterway South of Lafitte	99.10	116.95	94.87	92.05	81.72	59.60	52.21	57.96	93.91	107.55	145.04	164.16
USGS7380251 Barataria Bay North of Grand Isle	25.17	29.92	28.81	52.26	60.06	44.64	30.69	24.49	19.93	21.70	38.78	32.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	141.19	149.77	99.82	120.06	113.77	88.64	80.85	130.93	99.94	110.46	199.12	177.31
USGS 07380335 - Little Lake Near Cutoff	237.69	212.92	143.22	140.90	132.23	107.60	126.23	226.91	169.08	201.36	293.98	273.86
USGS073802516 Barataria Pass at Grand Isle	178.15	194.89	127.87	160.61	161.96	144.03	140.83	219.40	136.37	158.71	216.69	227.44
HWQ14 - Lake Washington	41.22	53.24	43.34	80.67	91.34	70.61	49.34	49.79	38.30	35.38	60.41	55.88
HWQ16 - Bayou Grand Liard	482.48	365.32	300.39	268.74	225.32	236.09	362.28	461.24	420.92	472.36	526.99	483.60
CRMS 3985	15.29	15.24	12.83	29.72	41.40	37.22	26.07	19.70	16.80	16.52	18.53	17.53
CRMS 0258	151.14	146.94	94.75	75.00	57.44	40.90	43.51	78.80	180.50	232.46	253.39	254.92
CRMS 0224	179.92	198.10	132.00	114.79	99.50	79.65	83.41	133.42	175.12	192.60	257.71	262.91
CRMS 0163	32.25	16.62	12.40	11.36	11.40	13.45	25.72	38.44	23.83	36.46	43.62	37.03
CRMS 0162	35.80	30.61	16.00	20.80	20.55	25.19	19.20	28.02	49.71	27.99	87.10	34.68

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.93	-2.09	-0.05	7.50	9.17	6.50	2.17	-0.55	-2.17	-5.83	-11.48	-7.19
CRMS0276 - Just east of Wilkinson Canal	39.39	41.38	30.21	20.35	12.97	17.38	21.83	21.46	42.49	42.84	44.48	52.70
Barataria Waterway at Lafitte (USACE82875)	84.59	65.45	26.26	11.50	9.00	10.69	27.97	71.46	86.81	82.25	99.19	101.28
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.77	1.86	5.16	13.31	13.04	8.92	3.88	-0.66	-0.29	-1.48	-7.87	-4.03
USGS7380251 Barataria Bay North of Grand Isle	-2.58	-0.25	-1.43	0.95	2.65	1.76	0.89	0.50	0.25	-3.41	-6.98	-4.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.15	7.37	5.17	11.03	9.32	5.84	3.24	-0.24	5.44	-6.98	-3.32	4.32
USGS 07380335 - Little Lake Near Cutoff	8.51	15.34	11.67	15.01	12.21	7.61	6.77	8.02	16.30	4.99	5.98	13.63
USGS073802516 Barataria Pass at Grand Isle	0.44	7.90	3.85	9.51	7.56	5.54	2.01	-0.75	7.80	-7.71	-5.33	5.25
HWQ14 - Lake Washington	-8.17	-4.11	-4.17	-1.61	-2.53	-4.92	-5.56	-8.38	-4.01	-12.31	-15.06	-9.68
HWQ16 - Bayou Grand Liard	19.26	17.29	12.63	7.17	5.90	5.06	8.07	14.37	25.39	11.95	14.73	20.14
CRMS 3985	-1.04	1.16	-1.97	-1.88	0.03	1.00	1.64	1.70	0.26	-0.86	-3.61	-2.99
CRMS 0258	7.02	14.68	14.71	15.98	12.93	7.74	3.65	1.84	15.46	26.52	15.22	15.48
CRMS 0224	5.04	17.70	15.25	19.32	15.79	11.18	5.44	2.65	11.66	14.51	5.26	10.01
CRMS 0163	6.59	1.79	0.65	0.07	-0.09	-0.18	0.57	-1.67	-4.58	-1.96	4.54	6.50
CRMS 0162	5.32	3.69	0.14	-0.18	0.62	1.61	0.62	0.27	1.30	0.54	9.34	2.75

Figure WQ SO4 76 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1975 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.03	78.15	65.41	67.88	69.70	49.64	43.34	33.43	52.30	63.38	103.27	111.51
CRMS0276 - Just east of Wilkinson Canal	255.06	139.68	69.72	68.88	47.23	90.85	169.83	220.87	251.09	362.78	394.86	241.73
Barataria Waterway at Lafitte (USACE82875)	41.25	16.35	11.26	11.54	11.22	17.50	24.44	34.15	33.78	69.86	65.96	32.96
USGS2928590900040000 Barataria Waterway South of Lafitte	102.27	121.37	92.42	72.06	69.22	48.00	52.65	47.66	86.30	110.35	171.53	188.75
USGS7380251 Barataria Bay North of Grand Isle	26.55	31.79	32.37	49.98	57.93	43.67	32.64	21.12	20.09	25.26	46.79	35.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	138.18	152.02	92.82	103.43	104.83	82.02	87.39	94.95	98.15	128.96	227.78	182.54
USGS 07380335 - Little Lake Near Cutoff	228.20	208.67	124.59	122.15	118.53	101.53	139.30	176.96	161.35	224.41	329.68	269.32
USGS073802516 Barataria Pass at Grand Isle	175.29	196.21	119.91	147.31	150.78	141.79	156.36	175.81	134.57	186.03	246.26	227.20
HWQ14 - Lake Washington	47.08	60.41	49.74	78.95	94.96	73.85	56.35	40.41	44.73	49.00	78.01	66.64
HWQ16 - Bayou Grand Liard	476.31	346.59	264.87	267.05	206.14	258.50	391.70	424.86	404.56	516.81	568.26	449.53
CRMS 3985	14.91	15.27	17.17	32.58	42.62	37.59	26.68	18.05	16.79	18.03	18.45	16.20
CRMS 0258	144.52	142.00	78.17	53.63	44.63	32.45	51.92	73.45	161.79	230.35	301.39	232.99
CRMS 0224	170.27	192.90	113.76	89.04	83.56	65.53	91.03	106.49	163.35	196.29	292.38	272.97
CRMS 0163	36.82	13.43	11.00	11.50	11.22	17.53	26.75	35.81	31.10	58.60	47.16	23.53
CRMS 0162	39.40	22.71	14.25	21.62	16.46	31.27	19.54	32.21	105.15	127.59	84.09	26.14

V3PR9 HYST - cy 1 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	58.81	76.58	65.15	74.88	78.78	56.14	45.63	32.18	44.36	54.12	93.25	107.04
CRMS0276 - Just east of Wilkinson Canal	291.33	184.81	93.43	88.90	60.67	106.10	188.70	246.37	286.45	407.86	438.52	297.73
Barataria Waterway at Lafitte (USACE82875)	114.31	83.95	28.30	24.52	18.03	32.45	72.51	111.98	121.56	192.78	203.07	130.48
USGS2928590900040000 Barataria Waterway South of Lafitte	101.81	123.92	98.16	83.73	82.29	56.59	56.20	46.77	79.72	102.85	163.38	187.21
USGS7380251 Barataria Bay North of Grand Isle	25.54	31.70	30.90	51.30	60.86	45.18	32.94	20.01	17.92	21.28	43.14	35.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	141.31	161.36	98.06	115.02	114.69	87.50	90.90	90.64	87.43	113.45	228.98	187.77
USGS 07380335 - Little Lake Near Cutoff	238.49	226.44	135.79	137.71	131.29	109.13	145.82	182.71	157.85	218.10	338.42	281.22
USGS073802516 Barataria Pass at Grand Isle	177.25	205.45	123.36	156.71	158.56	146.89	158.80	173.70	124.26	169.35	242.37	232.28
HWQ14 - Lake Washington	40.95	56.87	45.35	77.67	92.16	69.43	50.86	33.06	33.75	34.45	67.01	59.83
HWQ16 - Bayou Grand Liard	491.89	362.67	272.93	276.22	210.86	264.43	396.89	438.23	415.39	526.90	579.08	466.65
CRMS 3985	15.12	16.15	16.32	31.54	42.70	38.10	26.74	17.75	16.05	16.77	19.49	17.88
CRMS 0258	154.63	157.28	93.76	67.62	57.69	40.04	56.65	75.14	169.55	245.04	310.34	247.04
CRMS 0224	178.24	212.06	129.34	106.39	99.54	76.02	95.92	109.19	161.72	197.58	296.04	284.59
CRMS 0163	41.81	14.99	11.25	11.48	11.16	16.99	27.96	37.29	24.82	55.83	54.03	29.35
CRMS 0162	46.69	25.44	13.95	20.48	16.43	32.64	20.31	30.16	93.34	108.77	95.67	28.85

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.22	-1.57	-0.26	7.00	9.08	6.50	2.29	-1.25	-7.93	-9.26	-10.01	-4.47
CRMS0276 - Just east of Wilkinson Canal	36.27	45.14	23.72	20.03	13.44	15.25	18.87	25.50	35.36	45.08	43.66	56.00
Barataria Waterway at Lafitte (USACE82875)	73.07	67.59	17.03	12.98	6.82	14.95	48.07	77.82	87.78	122.92	137.12	97.53
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.46	2.55	5.73	11.67	13.07	8.59	3.55	-0.89	-6.58	-7.50	-8.16	-1.54
USGS7380251 Barataria Bay North of Grand Isle	-1.01	-0.09	-1.47	1.32	2.94	1.51	0.30	-1.11	-2.17	-3.98	-3.65	0.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	3.13	9.33	5.24	11.59	9.85	5.48	3.51	-4.31	-10.71	-15.51	1.21	5.23
USGS 07380335 - Little Lake Near Cutoff	10.29	17.77	11.20	15.56	12.76	7.60	6.52	5.76	-3.50	-6.31	8.74	11.91
USGS073802516 Barataria Pass at Grand Isle	1.96	9.23	3.45	9.39	7.78	5.10	2.44	-2.11	-10.31	-16.68	-3.89	5.09
HWQ14 - Lake Washington	-6.13	-3.54	-4.39	-1.28	-2.80	-4.42	-5.49	-7.35	-10.97	-14.55	-11.00	-6.82
HWQ16 - Bayou Grand Liard	15.58	16.08	8.06	9.17	4.72	5.94	5.19	13.37	10.83	10.09	10.81	17.12
CRMS 3985	0.22	0.88	-0.86	-1.04	0.08	0.51	0.06	-0.30	-0.74	-1.26	1.04	1.68
CRMS 0258	10.11	15.29	15.59	13.99	13.06	7.59	4.73	1.69	7.76	14.69	8.96	14.06
CRMS 0224	7.97	19.16	15.58	17.36	15.98	10.48	4.90	2.70	-1.64	1.29	3.66	11.62
CRMS 0163	4.98	1.56	0.25	-0.02	-0.06	-0.54	1.21	1.49	-6.27	-2.77	6.86	5.83
CRMS 0162	7.30	2.72	-0.30	-1.15	-0.03	1.37	0.77	-2.05	-11.80	-18.82	11.59	2.71

Figure WQ SO4 77 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	60.57	91.49	73.07	99.43	110.30	92.60	45.50	40.03	63.66	68.97	90.91	90.60
CRMS0276 - Just east of Wilkinson Canal	326.50	203.63	208.49	178.16	161.11	188.70	234.97	325.32	324.45	326.09	309.96	244.60
Barataria Waterway at Lafitte (USACE82875)	86.42	29.45	29.64	24.73	22.39	31.91	57.30	74.89	52.88	53.56	45.13	38.37
USGS2928590900040000 Barataria Waterway South of Lafitte	97.58	145.71	112.10	126.74	136.10	107.16	64.00	57.81	113.24	127.43	156.41	147.73
USGS7380251 Barataria Bay North of Grand Isle	25.72	36.14	29.08	50.79	62.31	48.70	23.47	20.74	19.94	24.03	41.35	30.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	149.90	180.67	109.06	139.40	144.99	118.17	66.04	151.44	115.42	122.36	199.81	156.01
USGS 07380335 - Little Lake Near Cutoff	258.19	250.83	171.66	186.10	185.59	155.30	136.54	276.90	197.61	215.46	288.10	237.00
USGS073802516 Barataria Pass at Grand Isle	190.08	229.96	145.40	197.87	222.49	203.98	146.13	264.38	159.65	174.37	215.34	205.26
HWQ14 - Lake Washington	46.08	68.75	43.43	82.06	103.11	88.08	36.30	50.69	46.60	44.45	68.18	57.91
HWQ16 - Bayou Grand Liard	540.91	416.74	402.17	390.00	347.99	359.81	484.70	559.41	474.40	491.05	509.04	439.87
CRMS 3985	15.42	16.70	16.31	25.75	33.34	34.04	19.58	17.37	17.04	17.39	17.13	15.56
CRMS 0258	169.50	182.58	158.10	125.49	117.51	114.45	94.97	94.31	218.95	262.45	227.08	183.42
CRMS 0224	177.20	237.15	158.88	161.20	166.34	134.86	95.92	153.12	209.25	212.61	258.27	227.04
CRMS 0163	72.91	22.03	24.31	25.27	20.66	29.18	68.28	76.89	46.25	45.37	32.39	30.31
CRMS 0162	82.05	38.97	33.78	56.61	44.17	47.42	27.39	96.85	260.20	37.86	56.25	30.12

V3PR9 HYST - cy 1 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	60.19	88.63	68.88	98.96	104.30	88.66	39.95	35.18	57.02	66.77	89.98	91.54
CRMS0276 - Just east of Wilkinson Canal	354.04	255.85	248.09	216.17	206.00	213.95	242.12	331.93	369.75	378.81	360.84	297.13
Barataria Waterway at Lafitte (USACE82875)	172.37	130.05	102.88	80.52	80.67	84.09	137.06	195.12	192.14	162.92	151.40	127.01
USGS2928590900040000 Barataria Waterway South of Lafitte	99.41	145.18	111.91	135.34	143.17	110.08	58.51	51.09	105.41	129.03	162.33	153.80
USGS7380251 Barataria Bay North of Grand Isle	26.14	36.21	27.16	45.90	49.73	40.00	20.64	18.76	19.05	23.12	41.59	32.27
USGS73802515 Hackberry Bay Northwest of Grand Isle	152.13	185.86	106.43	139.45	130.23	109.76	61.80	141.26	116.25	130.08	211.02	164.65
USGS 07380335 - Little Lake Near Cutoff	265.57	264.13	172.64	192.57	176.84	149.73	133.40	273.77	210.00	234.39	307.08	254.58
USGS073802516 Barataria Pass at Grand Isle	191.32	236.35	142.32	196.33	208.03	199.29	140.51	254.43	162.48	182.90	224.27	213.95
HWQ14 - Lake Washington	41.57	63.51	38.26	71.74	76.70	67.30	28.19	40.12	39.68	39.50	64.71	53.39
HWQ16 - Bayou Grand Liard	547.97	430.63	414.65	396.47	359.66	367.31	476.21	552.60	492.15	512.45	524.79	465.15
CRMS 3985	17.12	18.56	16.30	23.47	27.84	27.75	18.33	16.63	16.47	16.85	18.99	18.28
CRMS 0258	182.26	195.20	176.84	149.40	141.47	134.73	95.89	87.17	222.47	291.94	249.89	200.86
CRMS 0224	184.39	251.25	167.89	179.71	179.42	140.22	92.39	144.57	211.91	230.79	279.00	245.69
CRMS 0163	77.25	26.19	27.97	26.95	23.37	28.98	66.59	74.12	38.53	43.79	38.79	35.28
CRMS 0162	93.91	46.29	44.53	68.47	48.56	49.89	26.12	84.66	230.65	34.80	63.26	32.61

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.38	-2.86	-4.19	-0.47	-6.00	-3.94	-5.54	-4.85	-6.64	-2.20	-0.94	0.95
CRMS0276 - Just east of Wilkinson Canal	27.54	52.23	39.60	38.01	44.90	25.25	7.15	6.62	45.30	52.72	50.88	52.52
Barataria Waterway at Lafitte (USACE82875)	85.95	100.60	73.23	55.79	58.28	52.19	79.77	120.22	139.25	109.35	106.26	88.64
USGS2928590900040000 Barataria Waterway South of Lafitte	1.83	-0.54	-0.19	8.60	7.06	2.92	-5.48	-6.72	-7.83	1.60	5.92	6.07
USGS7380251 Barataria Bay North of Grand Isle	0.42	0.07	-1.93	-4.89	-12.58	-8.70	-2.83	-1.98	-0.89	-0.90	0.24	1.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	2.23	5.19	-2.62	0.05	-14.77	-8.41	-4.24	-10.18	0.84	7.72	11.21	8.64
USGS 07380335 - Little Lake Near Cutoff	7.38	13.30	0.98	6.46	-8.74	-5.58	-3.14	-3.13	12.40	18.93	18.97	17.58
USGS073802516 Barataria Pass at Grand Isle	1.24	6.39	-3.08	-1.54	-14.46	-4.69	-5.62	-9.95	2.83	8.53	8.93	8.69
HWQ14 - Lake Washington	-4.51	-5.25	-5.17	-10.31	-26.41	-20.78	-8.11	-10.58	-6.92	-4.95	-3.47	-4.53
HWQ16 - Bayou Grand Liard	7.05	13.89	12.48	6.47	11.66	7.50	-8.49	-6.81	17.75	21.39	15.75	25.28
CRMS 3985	1.70	1.86	-0.01	-2.29	-5.50	-6.30	-1.24	-0.74	-0.57	-0.54	1.86	2.72
CRMS 0258	12.76	12.61	18.74	23.91	23.97	20.28	0.92	-7.14	3.52	29.49	22.82	17.45
CRMS 0224	7.19	14.10	9.01	18.51	13.08	5.36	-3.53	-8.55	2.66	18.18	20.72	18.65
CRMS 0163	4.34	4.15	3.66	1.68	2.71	-0.20	-1.69	-2.76	-7.72	-1.58	6.39	4.97
CRMS 0162	11.86	7.32	10.75	11.87	4.39	2.47	-1.26	-12.19	-29.55	-3.07	7.02	2.49

Figure WQ SO4 78 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.42	82.62	70.77	81.45	86.54	67.99	46.48	41.45	47.28	50.96	92.61	112.19
CRMS0276 - Just east of Wilkinson Canal	284.89	108.90	98.49	91.22	89.80	63.22	107.06	145.79	163.29	275.74	383.60	321.29
Barataria Waterway at Lafitte (USACE82875)	35.32	13.69	13.61	12.63	14.61	12.42	14.12	17.82	21.10	46.01	73.07	54.78
USGS2928590900040000 Barataria Waterway South of Lafitte	115.16	123.78	95.79	90.92	93.37	68.91	58.11	55.95	67.57	83.46	149.64	181.57
USGS7380251 Barataria Bay North of Grand Isle	30.96	37.78	39.51	57.91	67.89	52.84	35.50	30.21	21.76	23.79	45.14	38.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	152.17	153.82	105.09	124.69	129.51	101.63	83.49	117.68	79.41	105.19	210.57	192.54
USGS 07380335 - Little Lake Near Cutoff	246.44	200.07	139.96	148.14	153.01	117.52	116.78	168.91	120.60	182.29	307.80	291.36
USGS073802516 Barataria Pass at Grand Isle	191.89	193.34	134.56	172.73	190.64	156.93	137.14	185.53	106.75	153.49	230.43	243.39
HWQ14 - Lake Washington	54.23	68.59	59.37	90.70	108.19	91.17	62.96	70.06	44.22	43.83	73.71	69.44
HWQ16 - Bayou Grand Liard	478.34	314.79	302.47	305.28	272.47	229.89	309.62	342.70	320.17	454.47	561.06	501.41
CRMS 3985	18.34	20.15	22.14	37.29	48.03	43.46	30.22	23.87	18.21	17.68	22.19	21.34
CRMS 0258	175.05	138.03	74.39	73.81	70.60	40.98	39.99	47.70	97.54	170.49	254.68	280.85
CRMS 0224	195.53	184.28	118.99	116.16	117.77	84.18	84.53	108.43	118.28	152.83	260.41	279.02
CRMS 0163	25.32	11.84	13.16	13.04	14.61	12.60	14.59	17.62	20.61	39.87	57.78	37.56
CRMS 0162	24.25	16.65	20.06	31.60	28.21	19.24	14.41	19.04	34.81	29.44	115.95	36.25

V3PR9 HYST - cy 1 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	55.91	74.59	69.17	87.50	96.41	77.23	33.96	26.45	38.79	48.01	82.58	98.72
CRMS0276 - Just east of Wilkinson Canal	318.29	146.79	124.40	116.00	123.22	81.16	119.17	171.69	197.75	301.71	413.38	363.90
Barataria Waterway at Lafitte (USACE82875)	119.48	62.77	36.20	34.59	40.58	21.77	33.03	57.54	67.48	114.90	180.95	171.88
USGS2928590900040000 Barataria Waterway South of Lafitte	104.65	120.19	99.68	103.78	110.13	85.69	49.31	35.57	61.50	84.56	141.84	171.23
USGS7380251 Barataria Bay North of Grand Isle	19.84	29.86	35.18	56.46	69.36	50.87	21.08	18.54	16.66	20.66	37.02	25.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	147.22	154.70	109.24	134.52	143.00	104.25	49.68	96.79	77.55	104.18	204.67	185.19
USGS 07380335 - Little Lake Near Cutoff	249.36	210.76	150.83	163.32	171.90	123.92	80.35	161.63	127.92	188.01	307.36	292.04
USGS073802516 Barataria Pass at Grand Isle	186.82	195.25	138.25	180.67	204.61	158.13	92.33	171.51	106.98	154.86	223.07	237.26
HWQ14 - Lake Washington	37.24	55.45	51.70	86.44	104.36	78.86	30.25	43.21	33.38	36.99	60.30	51.15
HWQ16 - Bayou Grand Liard	488.41	327.26	314.70	312.21	295.38	235.90	298.29	364.83	335.55	460.18	563.50	510.08
CRMS 3985	8.14	13.94	17.43	32.76	45.94	39.61	16.89	14.59	14.37	15.51	14.28	8.32
CRMS 0258	176.60	150.70	88.54	92.42	91.75	57.39	41.80	39.24	110.13	186.86	261.49	287.33
CRMS 0224	193.50	198.15	132.37	137.01	141.84	103.25	66.92	87.13	126.89	161.31	260.16	279.04
CRMS 0163	31.31	12.64	13.61	13.21	15.39	12.51	14.84	17.98	18.26	35.46	59.56	45.06
CRMS 0162	27.95	17.79	21.38	32.48	32.48	20.06	14.62	20.67	36.42	29.51	126.35	38.93

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-11.51	-8.03	-1.61	6.05	9.87	9.24	-12.52	-15.00	-8.49	-2.95	-10.03	-13.48
CRMS0276 - Just east of Wilkinson Canal	33.40	37.89	25.91	24.78	33.42	17.94	12.11	25.90	34.46	25.97	29.77	42.61
Barataria Waterway at Lafitte (USACE82875)	84.17	49.08	22.59	21.96	25.98	9.35	18.91	39.72	46.38	68.89	107.88	117.10
USGS2928590900040000 Barataria Waterway South of Lafitte	-10.51	-3.58	3.89	12.85	16.76	16.78	-8.80	-20.38	-6.07	1.10	-7.81	-10.34
USGS7380251 Barataria Bay North of Grand Isle	-11.12	-7.92	-4.32	-1.45	1.46	-1.98	-14.42	-11.66	-5.10	-3.13	-8.13	-12.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	-4.95	0.88	4.15	9.83	13.49	2.62	-33.81	-20.88	-1.85	-1.01	-5.90	-7.35
USGS 07380335 - Little Lake Near Cutoff	2.91	10.69	10.87	15.18	18.89	6.39	-36.43	-7.29	7.32	5.72	-0.44	0.68
USGS073802516 Barataria Pass at Grand Isle	-5.07	1.91	3.69	7.94	13.98	1.19	-44.81	-14.02	0.24	1.36	-7.36	-6.13
HWQ14 - Lake Washington	-16.99	-13.14	-7.67	-4.26	-3.83	-12.31	-32.71	-26.86	-10.85	-6.85	-13.41	-18.29
HWQ16 - Bayou Grand Liard	10.06	12.47	12.24	6.92	22.90	6.01	-11.33	22.13	15.38	5.72	2.44	8.67
CRMS 3985	-10.20	-6.21	-4.71	-4.53	-2.09	-3.85	-13.33	-9.28	-3.84	-2.17	-7.92	-13.02
CRMS 0258	1.55	12.67	14.16	18.61	21.14	16.41	1.81	-8.46	12.59	16.37	6.81	6.48
CRMS 0224	-2.04	13.87	13.38	20.86	24.06	19.07	-17.62	-21.30	8.60	8.48	-0.25	0.02
CRMS 0163	5.99	0.80	0.45	0.17	0.78	-0.09	0.25	0.36	-2.35	-4.41	1.78	7.49
CRMS 0162	3.70	1.14	1.32	0.88	4.27	0.82	0.22	1.63	1.61	0.07	10.40	2.68

Figure WQ SO4 79 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 1 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	61.16	91.35	73.86	87.07	82.15	54.29	39.30	37.96	48.90	48.57	86.12	103.51
CRMS0276 - Just east of Wilkinson Canal	229.20	304.71	165.62	81.63	46.98	33.80	85.44	156.19	190.65	313.05	403.70	179.78
Barataria Waterway at Lafitte (USACE82875)	51.41	57.85	19.01	12.28	12.91	11.91	13.24	20.51	24.05	58.90	75.31	24.13
USGS2928590900040000 Barataria Waterway South of Lafitte	96.53	142.97	124.18	98.59	82.49	49.43	46.86	50.52	73.41	83.98	144.79	172.08
USGS7380251 Barataria Bay North of Grand Isle	25.85	36.76	29.70	55.30	65.96	49.01	32.72	28.05	21.53	21.45	40.72	34.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	127.36	181.90	104.64	120.49	118.12	84.64	69.83	113.14	84.70	93.51	210.14	179.22
USGS 07380335 - Little Lake Near Cutoff	210.35	268.90	162.52	142.75	131.54	93.49	96.94	169.24	132.50	177.18	313.23	258.52
USGS073802516 Barataria Pass at Grand Isle	160.23	239.18	137.29	165.52	165.56	125.97	116.28	184.02	113.36	142.07	227.98	220.51
HWQ14 - Lake Washington	44.41	64.97	42.75	86.98	106.06	82.28	55.50	63.81	43.93	36.03	66.82	66.55
HWQ16 - Bayou Grand Liard	458.02	487.70	353.67	287.02	205.73	179.71	284.87	360.32	346.34	471.84	573.12	404.71
CRMS 3985	15.91	18.78	16.66	32.54	46.54	42.34	29.11	22.85	18.04	17.15	17.13	17.22
CRMS 0258	142.44	228.13	152.28	72.68	54.49	26.62	31.29	46.17	118.61	182.11	262.69	209.06
CRMS 0224	152.47	240.55	173.17	112.91	96.42	61.98	67.55	102.95	129.67	155.65	264.04	259.31
CRMS 0163	50.40	43.00	14.02	12.37	13.07	11.83	14.15	20.87	23.20	52.50	54.54	15.19
CRMS 0162	82.02	94.65	18.17	24.74	16.18	14.17	13.92	21.37	39.00	70.15	102.78	16.86

V3PR9 HYST - cy 1 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	60.28	86.33	68.26	90.42	90.99	62.61	41.71	37.70	48.15	49.50	87.74	103.59
CRMS0276 - Just east of Wilkinson Canal	249.29	340.83	211.52	104.22	64.27	40.65	99.31	185.50	222.08	346.43	446.59	239.55
Barataria Waterway at Lafitte (USACE82875)	95.69	175.68	93.73	31.50	21.11	13.28	23.18	61.58	80.57	147.56	211.56	109.95
USGS2928590900040000 Barataria Waterway South of Lafitte	98.55	140.79	121.24	108.31	97.05	59.96	51.11	50.85	76.59	89.76	150.89	176.64
USGS7380251 Barataria Bay North of Grand Isle	25.28	34.42	27.36	54.32	67.57	50.70	33.01	27.55	20.62	20.97	42.32	35.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	130.97	183.74	105.88	128.15	129.56	91.34	72.25	116.87	88.07	98.72	222.18	186.44
USGS 07380335 - Little Lake Near Cutoff	218.89	274.72	169.11	153.89	147.27	102.24	101.00	182.10	142.84	188.24	330.68	273.08
USGS073802516 Barataria Pass at Grand Isle	161.88	239.04	137.39	172.52	175.32	132.17	117.74	190.48	118.56	147.64	240.25	226.88
HWQ14 - Lake Washington	39.52	58.36	38.10	81.93	102.71	78.74	50.70	57.88	38.55	32.59	66.32	61.38
HWQ16 - Bayou Grand Liard	467.81	493.81	359.63	299.13	221.79	177.26	289.80	378.40	361.16	486.31	587.66	417.67
CRMS 3985	15.87	18.24	16.05	30.36	45.54	42.56	29.09	22.23	17.32	16.75	19.82	18.78
CRMS 0258	156.34	237.22	162.05	88.67	71.03	33.96	34.47	47.65	137.89	202.70	281.23	226.48
CRMS 0224	161.23	248.30	179.10	128.83	115.87	73.14	71.60	107.04	144.48	169.15	279.63	275.96
CRMS 0163	50.97	44.89	16.92	12.33	13.09	11.72	14.21	20.29	19.61	47.57	59.50	18.91
CRMS 0162	92.38	102.52	18.72	25.97	16.16	15.29	14.14	22.25	39.40	53.66	115.32	18.57

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.87	-5.02	-5.60	3.35	8.84	8.32	2.41	-0.26	-0.75	0.92	1.62	0.09
CRMS0276 - Just east of Wilkinson Canal	20.09	36.12	45.90	22.59	17.30	6.85	13.86	29.31	31.43	33.38	42.88	59.76
Barataria Waterway at Lafitte (USACE82875)	44.28	117.83	74.72	19.22	8.21	1.37	9.94	41.06	56.52	88.65	136.25	85.81
USGS2928590900040000 Barataria Waterway South of Lafitte	2.02	-2.18	-2.93	9.73	14.56	10.54	4.25	0.33	3.18	5.78	6.10	4.57
USGS7380251 Barataria Bay North of Grand Isle	-0.57	-2.33	-2.34	-0.98	1.61	1.69	0.29	-0.50	-0.91	-0.48	1.60	1.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	3.61	1.83	1.24	7.67	11.44	6.71	2.42	3.73	3.37	5.20	12.05	7.22
USGS 07380335 - Little Lake Near Cutoff	8.54	5.82	6.59	11.14	15.73	8.75	4.06	12.86	10.34	11.06	17.45	14.55
USGS073802516 Barataria Pass at Grand Isle	1.65	-0.14	0.10	7.00	9.76	6.20	1.46	6.46	5.20	5.57	12.26	6.37
HWQ14 - Lake Washington	-4.89	-6.62	-4.65	-5.05	-3.35	-3.54	-4.80	-5.93	-5.38	-3.43	-0.50	-5.18
HWQ16 - Bayou Grand Liard	9.79	6.11	5.96	12.11	16.06	-2.45	4.92	18.08	14.82	14.47	14.54	12.97
CRMS 3985	-0.05	-0.53	-0.61	-2.18	-0.99	0.22	-0.02	-0.62	-0.72	-0.40	2.68	1.56
CRMS 0258	13.90	9.09	9.78	16.00	16.54	7.34	3.17	1.48	19.28	20.59	18.54	17.42
CRMS 0224	8.75	7.76	5.93	15.91	19.45	11.16	4.05	4.09	14.80	13.50	15.59	16.65
CRMS 0163	0.58	1.89	2.90	-0.04	0.02	-0.11	0.06	-0.58	-3.59	-4.93	4.96	3.72
CRMS 0162	10.36	7.86	0.55	1.23	-0.02	1.12	0.22	0.88	0.40	-16.48	12.54	1.71

Figure WQ SO4 80 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 1, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.62	78.29	70.45	75.05	76.39	65.65	57.44	48.04	76.50	76.48	97.22	106.36
CRMS0276 - Just east of Wilkinson Canal	173.24	183.18	92.34	70.88	89.76	140.27	196.64	327.36	295.95	377.31	287.37	108.17
Barataria Waterway at Lafitte (USACE82875)	25.72	28.71	12.82	12.16	15.15	21.33	39.69	68.41	36.33	78.32	49.39	15.20
USGS2928590900040000 Barataria Waterway South of Lafitte	95.04	111.23	98.79	76.15	77.21	71.63	70.65	69.65	130.53	133.98	160.34	150.93
USGS7380251 Barataria Bay North of Grand Isle	40.44	40.27	38.47	59.44	65.46	53.97	41.47	27.62	27.08	29.83	49.14	49.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	140.33	149.39	107.32	112.81	117.86	105.95	113.25	160.72	143.00	150.21	219.81	175.16
USGS 07380335 - Little Lake Near Cutoff	198.52	205.09	142.74	130.29	139.97	130.06	173.15	290.04	216.94	250.58	303.09	216.54
USGS073802516 Barataria Pass at Grand Isle	173.64	195.26	135.20	155.43	176.21	175.75	190.15	271.24	185.49	205.11	234.86	204.35
HWQ14 - Lake Washington	69.76	68.48	58.61	92.21	109.75	96.49	79.35	63.81	62.86	57.31	82.76	90.69
HWQ16 - Bayou Grand Liard	393.13	381.94	287.96	270.82	262.04	299.48	446.21	571.40	470.44	529.13	491.41	328.58
CRMS 3985	24.09	23.40	22.60	41.27	50.55	46.21	33.51	21.63	19.28	20.05	21.53	24.88
CRMS 0258	107.45	140.32	104.54	60.60	60.55	61.49	78.28	116.35	239.28	263.44	238.82	168.73
CRMS 0224	147.64	180.03	132.54	94.73	99.78	99.46	118.15	177.03	225.67	234.19	277.11	210.85
CRMS 0163	19.97	21.09	11.42	12.04	14.27	23.00	55.55	68.47	37.93	72.18	24.75	12.00
CRMS 0162	47.24	78.21	23.92	55.83	92.67	70.86	38.89	164.16	312.14	341.71	97.17	21.27

V3PR2 HYST - cy 2 - 1985 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.87	13.82	10.98	11.00	12.69	14.82	16.66	18.46	20.31	19.70	13.66	10.92
CRMS0276 - Just east of Wilkinson Canal	98.78	167.55	77.22	54.57	69.43	116.88	150.58	293.58	282.60	369.91	266.30	94.71
Barataria Waterway at Lafitte (USACE82875)	22.83	28.86	12.76	11.95	14.82	20.51	36.08	60.85	33.14	73.55	49.32	15.13
USGS2928590900040000 Barataria Waterway South of Lafitte	11.79	15.45	11.00	11.02	12.67	16.53	16.00	29.74	77.23	65.35	14.57	10.91
USGS7380251 Barataria Bay North of Grand Isle	11.71	13.87	11.16	10.90	12.16	13.24	12.57	17.61	19.63	25.07	17.94	12.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.22	41.49	14.03	13.40	15.80	23.76	42.00	148.49	118.04	129.90	71.37	14.56
USGS 07380335 - Little Lake Near Cutoff	40.61	85.17	22.04	19.94	21.89	36.13	93.19	274.79	192.28	236.52	149.60	29.25
USGS073802516 Barataria Pass at Grand Isle	31.85	89.48	28.47	30.46	41.77	70.42	112.62	268.15	167.23	197.12	115.87	37.64
HWQ14 - Lake Washington	13.70	21.54	14.10	16.44	24.07	28.01	27.35	64.19	57.20	59.35	37.60	19.58
HWQ16 - Bayou Grand Liard	274.49	316.09	167.32	153.40	158.59	238.64	408.82	552.55	452.41	523.81	419.54	209.01
CRMS 3985	11.79	12.14	11.10	10.59	11.55	12.39	11.27	11.55	15.13	18.88	18.28	13.91
CRMS 0258	15.48	51.67	24.28	21.76	23.70	33.12	23.69	66.61	209.13	239.75	131.35	34.98
CRMS 0224	18.77	61.82	22.24	20.15	22.16	34.30	40.33	142.41	194.03	210.12	123.15	32.62
CRMS 0163	18.77	21.97	11.39	11.95	14.08	21.21	49.94	64.15	34.81	68.64	24.82	11.93
CRMS 0162	50.52	83.00	27.16	58.52	97.69	70.54	35.50	151.66	281.93	300.21	102.65	20.39

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-55.75	-64.47	-59.47	-64.05	-63.69	-50.83	-40.78	-29.59	-56.19	-56.78	-83.56	-95.44
CRMS0276 - Just east of Wilkinson Canal	-74.46	-15.64	-15.12	-16.31	-20.33	-23.39	-46.06	-33.78	-13.35	-7.40	-21.07	-13.46
Barataria Waterway at Lafitte (USACE82875)	-2.89	0.15	-0.06	-0.21	-0.33	-0.82	-3.60	-7.57	-3.19	-4.78	-0.07	-0.07
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.26	-95.77	-87.79	-65.12	-64.54	-55.10	-54.65	-39.90	-53.30	-68.63	-145.77	-140.02
USGS7380251 Barataria Bay North of Grand Isle	-28.74	-26.39	-27.31	-48.54	-53.30	-40.73	-28.90	-10.01	-7.45	-4.76	-31.21	-37.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	-123.10	-107.90	-93.29	-99.40	-102.06	-82.19	-71.25	-12.23	-24.96	-20.31	-148.44	-160.61
USGS 07380335 - Little Lake Near Cutoff	-157.91	-119.92	-120.71	-110.35	-118.09	-93.93	-79.96	-15.25	-24.65	-14.06	-153.49	-187.30
USGS073802516 Barataria Pass at Grand Isle	-141.79	-105.78	-106.73	-124.97	-134.45	-105.32	-77.53	-3.10	-18.26	-7.99	-118.99	-166.70
HWQ14 - Lake Washington	-56.06	-46.95	-44.52	-75.77	-85.68	-68.48	-51.99	0.37	-5.66	2.04	-45.16	-71.11
HWQ16 - Bayou Grand Liard	-118.64	-65.85	-120.64	-117.42	-103.45	-60.84	-37.39	-18.85	-18.03	-5.32	-71.88	-119.57
CRMS 3985	-12.30	-11.26	-11.50	-30.68	-39.00	-33.82	-22.24	-10.08	-4.15	-1.17	-3.25	-10.97
CRMS 0258	-91.97	-88.65	-80.26	-38.84	-36.85	-28.37	-54.60	-49.73	-30.15	-23.69	-107.47	-133.76
CRMS 0224	-128.87	-118.22	-110.30	-74.58	-77.62	-65.16	-77.82	-34.62	-31.64	-24.07	-153.96	-178.23
CRMS 0163	-1.20	0.88	-0.03	-0.09	-0.20	-1.79	-5.61	-4.31	-3.12	-3.54	0.06	-0.08
CRMS 0162	3.28	4.79	3.24	2.69	5.02	-0.32	-3.39	-12.51	-30.21	-41.51	5.49	-0.88

Figure WQ SO4 81 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	79.92	101.72	79.40	74.83	74.25	55.41	53.43	43.67	68.77	74.69	117.99	131.71
CRMS0276 - Just east of Wilkinson Canal	281.32	142.13	77.91	73.98	54.51	102.25	203.80	281.32	302.30	403.94	417.68	278.08
Barataria Waterway at Lafitte (USACE82875)	66.72	19.70	11.91	12.34	11.56	19.71	36.34	55.72	41.20	115.07	100.49	45.82
USGS2928590900040000 Barataria Waterway South of Lafitte	124.64	146.53	105.61	76.22	71.17	53.64	64.31	63.58	118.06	131.44	193.44	208.22
USGS7380251 Barataria Bay North of Grand Isle	40.74	49.68	43.73	59.92	65.70	51.63	40.15	25.39	24.93	29.43	58.44	53.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	181.54	183.26	110.54	112.76	112.78	93.24	111.56	139.57	131.92	152.63	259.39	222.55
USGS 07380335 - Little Lake Near Cutoff	273.23	231.33	139.51	130.89	127.91	112.71	172.42	246.52	205.52	257.97	362.61	305.43
USGS073802516 Barataria Pass at Grand Isle	220.63	222.86	136.32	153.88	160.44	155.06	191.69	238.83	172.79	209.58	271.87	264.14
HWQ14 - Lake Washington	72.73	87.33	65.65	92.65	109.60	88.40	75.51	60.19	57.13	56.87	94.50	95.16
HWQ16 - Bayou Grand Liard	506.37	352.29	273.53	270.04	216.84	273.91	445.44	509.07	463.78	548.40	585.66	478.82
CRMS 3985	22.79	26.11	24.53	41.85	51.19	45.12	31.88	19.92	18.64	19.91	26.11	27.14
CRMS 0258	175.60	173.07	91.30	62.87	49.29	39.19	70.70	104.82	226.48	275.74	350.04	275.18
CRMS 0224	207.34	215.75	126.55	96.01	88.31	74.51	113.99	156.13	211.16	237.16	331.27	310.13
CRMS 0163	50.92	13.75	11.20	11.89	11.37	23.93	43.46	58.73	45.32	114.79	54.40	25.32
CRMS 0162	80.41	52.22	25.29	55.25	43.67	54.96	21.28	137.60	392.67	481.52	222.33	54.75

V3PR2 HYST - cy 2 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.61	11.47	10.85	10.93	10.98	15.19	15.93	17.72	20.17	20.90	21.90	15.07
CRMS0276 - Just east of Wilkinson Canal	225.79	123.95	59.61	56.30	37.92	79.83	164.32	255.77	289.82	384.24	402.43	267.14
Barataria Waterway at Lafitte (USACE82875)	63.73	19.71	11.80	12.11	11.38	18.56	33.14	51.64	38.01	86.17	92.24	44.87
USGS2928590900040000 Barataria Waterway South of Lafitte	18.58	11.60	10.84	10.96	10.96	14.22	16.64	27.22	71.19	71.48	110.26	67.60
USGS7380251 Barataria Bay North of Grand Isle	15.95	12.32	10.77	10.77	10.97	11.91	12.41	16.59	18.67	24.84	41.87	25.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	48.43	24.01	12.59	12.95	12.84	23.63	51.36	128.77	111.86	135.89	205.20	99.22
USGS 07380335 - Little Lake Near Cutoff	119.29	50.75	17.96	18.97	16.22	36.61	107.28	232.75	186.55	243.06	317.03	179.62
USGS073802516 Barataria Pass at Grand Isle	89.31	57.68	22.20	27.56	30.12	67.84	127.03	233.14	158.98	200.54	232.09	159.34
HWQ14 - Lake Washington	25.11	17.67	12.36	15.06	20.78	23.25	30.48	61.09	52.87	58.60	76.97	53.75
HWQ16 - Bayou Grand Liard	433.20	246.99	150.32	150.77	112.91	219.65	408.28	492.21	450.71	535.48	561.24	421.28
CRMS 3985	14.71	12.38	10.45	10.31	10.84	10.86	10.40	10.92	14.58	18.32	23.31	20.61
CRMS 0258	60.51	46.98	17.46	22.00	17.35	19.50	29.07	61.87	199.03	251.32	312.86	200.79
CRMS 0224	64.06	46.99	17.06	20.35	16.29	23.09	52.83	124.90	183.24	214.59	284.40	188.67
CRMS 0163	49.03	13.93	11.15	11.74	11.26	22.46	39.91	57.44	40.78	85.84	52.27	25.63
CRMS 0162	83.45	53.66	25.81	50.67	42.73	58.19	21.39	121.59	362.13	404.37	229.43	53.83

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-65.31	-90.24	-68.55	-63.90	-63.26	-40.21	-37.50	-25.95	-48.60	-53.80	-96.09	-116.64
CRMS0276 - Just east of Wilkinson Canal	-55.53	-18.18	-18.30	-17.68	-16.60	-22.42	-39.49	-25.54	-12.49	-19.70	-15.25	-10.94
Barataria Waterway at Lafitte (USACE82875)	-2.99	0.01	-0.11	-0.23	-0.18	-1.15	-3.20	-4.08	-3.18	-28.89	-8.25	-0.95
USGS2928590900040000 Barataria Waterway South of Lafitte	-106.06	-134.93	-94.77	-65.27	-60.21	-39.42	-47.67	-36.36	-46.87	-59.96	-83.18	-140.62
USGS7380251 Barataria Bay North of Grand Isle	-24.79	-37.36	-32.97	-49.15	-54.72	-39.72	-27.74	-8.80	-6.26	-4.60	-16.57	-27.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	-133.11	-159.25	-97.95	-99.81	-99.95	-69.61	-60.20	-10.79	-20.07	-16.74	-54.18	-123.33
USGS 07380335 - Little Lake Near Cutoff	-153.94	-180.58	-121.55	-111.92	-111.69	-76.11	-65.14	-13.78	-18.97	-14.91	-45.59	-125.81
USGS073802516 Barataria Pass at Grand Isle	-131.32	-165.18	-114.12	-126.32	-130.32	-87.22	-64.66	-5.69	-13.81	-9.04	-39.78	-104.80
HWQ14 - Lake Washington	-47.62	-69.65	-53.29	-77.59	-88.82	-65.15	-45.02	0.90	-4.26	1.73	-17.53	-41.41
HWQ16 - Bayou Grand Liard	-73.17	-105.29	-123.21	-119.27	-103.92	-54.26	-37.15	-16.86	-13.07	-12.92	-24.42	-57.54
CRMS 3985	-8.08	-13.73	-14.08	-31.53	-40.34	-34.26	-21.48	-9.00	-4.06	-1.58	-2.80	-6.53
CRMS 0258	-115.09	-126.09	-73.84	-40.86	-31.93	-19.69	-41.63	-42.96	-27.46	-24.42	-37.18	-74.40
CRMS 0224	-143.28	-168.75	-109.49	-75.66	-72.02	-51.42	-61.15	-31.23	-27.92	-22.57	-46.88	-121.47
CRMS 0163	-1.88	0.19	-0.04	-0.15	-0.10	-1.47	-3.55	-1.29	-4.54	-28.96	-2.12	0.31
CRMS 0162	3.04	1.44	0.52	-4.58	-0.94	3.23	0.11	-16.01	-30.53	-77.15	7.11	-0.92

Figure WQ SO4 82 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	82.54	123.94	90.44	114.35	123.98	102.60	55.03	45.60	83.69	90.20	113.73	113.13
CRMS0276 - Just east of Wilkinson Canal	384.04	220.98	235.38	181.13	165.75	209.24	272.89	376.15	398.60	403.88	349.74	280.03
Barataria Waterway at Lafitte (USACE82875)	127.32	37.56	36.23	29.22	27.38	36.77	75.98	99.36	196.12	83.13	72.91	53.63
USGS2928590900040000 Barataria Waterway South of Lafitte	126.16	183.50	135.97	139.83	146.03	118.46	75.53	68.10	147.59	164.09	191.50	174.30
USGS7380251 Barataria Bay North of Grand Isle	39.40	57.29	39.46	63.10	76.39	62.83	30.18	24.47	27.50	32.64	55.03	46.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	203.32	225.56	130.43	153.47	158.38	132.90	90.67	184.88	169.29	178.47	243.00	196.92
USGS 07380335 - Little Lake Near Cutoff	321.53	290.30	192.93	196.19	196.29	167.68	174.77	329.90	271.85	289.82	335.81	277.68
USGS073802516 Barataria Pass at Grand Isle	247.64	272.39	163.15	206.86	230.87	217.10	180.90	309.12	218.06	234.28	255.56	243.44
HWQ14 - Lake Washington	72.21	102.18	57.29	97.15	123.65	106.74	51.57	65.22	66.83	65.41	90.29	83.62
HWQ16 - Bayou Grand Liard	594.03	440.25	420.30	388.96	350.29	372.65	533.76	614.77	545.93	552.44	538.62	477.68
CRMS 3985	22.32	28.30	22.03	33.77	47.28	47.52	23.73	19.35	19.49	20.51	23.07	24.74
CRMS 0258	210.72	236.23	192.87	137.87	131.65	127.41	114.51	121.64	299.30	349.65	298.99	234.13
CRMS 0224	226.51	278.24	189.33	170.44	173.74	145.06	121.19	191.77	272.37	288.58	315.10	270.14
CRMS 0163	97.95	25.60	25.61	29.61	22.45	45.75	94.62	109.22	224.22	66.82	38.15	37.21
CRMS 0162	166.93	82.30	105.70	157.58	127.56	106.56	181.83	412.92	629.83	276.37	132.45	60.29

V3PR2 HYST - cy 2 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	18.05	14.48	15.99	17.58	14.64	17.51	18.82	19.75	22.12	20.24	20.32	17.66
CRMS0276 - Just east of Wilkinson Canal	342.19	198.85	218.14	168.32	152.82	188.46	259.14	362.94	371.27	370.48	335.94	263.56
Barataria Waterway at Lafitte (USACE82875)	117.60	36.82	34.28	28.42	26.70	35.34	70.43	94.32	140.04	72.31	68.86	50.44
USGS2928590900040000 Barataria Waterway South of Lafitte	45.18	17.36	28.25	33.89	18.23	30.96	22.51	31.63	86.63	80.51	104.74	82.18
USGS7380251 Barataria Bay North of Grand Isle	23.75	17.95	18.78	22.13	21.54	22.45	20.56	21.34	24.52	26.04	37.73	27.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	129.60	64.15	63.86	71.81	45.33	65.89	86.73	158.73	142.40	135.56	183.79	126.45
USGS 07380335 - Little Lake Near Cutoff	248.90	126.03	118.38	115.78	75.78	98.47	177.33	305.71	241.34	245.49	283.84	214.56
USGS073802516 Barataria Pass at Grand Isle	184.27	126.94	107.01	130.52	121.11	152.35	190.57	291.42	198.34	195.86	208.74	182.02
HWQ14 - Lake Washington	46.34	37.81	34.40	50.59	62.36	61.61	52.73	66.74	64.39	55.57	67.44	55.31
HWQ16 - Bayou Grand Liard	554.89	369.64	375.90	340.82	283.88	337.10	531.71	611.23	524.27	523.26	516.67	446.36
CRMS 3985	18.21	17.23	15.36	17.54	21.61	20.24	17.79	17.18	18.81	19.67	21.48	20.01
CRMS 0258	144.44	118.44	106.68	97.26	87.93	87.49	65.69	87.82	260.40	293.85	255.93	191.72
CRMS 0224	154.77	117.86	98.95	98.70	85.18	82.60	94.29	161.54	235.74	238.71	259.21	205.62
CRMS 0163	92.22	25.27	24.79	29.41	22.50	45.22	90.81	103.65	155.82	62.13	36.83	35.88
CRMS 0162	162.38	85.98	98.71	157.75	133.83	99.17	158.76	395.13	610.80	234.66	134.39	58.68

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-64.49	-109.47	-74.45	-96.77	-109.35	-85.09	-36.21	-25.86	-61.58	-69.95	-93.41	-95.46
CRMS0276 - Just east of Wilkinson Canal	-41.85	-22.13	-17.24	-12.81	-12.93	-20.78	-13.76	-13.21	-27.33	-33.40	-13.80	-16.48
Barataria Waterway at Lafitte (USACE82875)	-9.73	-0.74	-1.95	-0.80	-0.68	-1.43	-5.55	-5.03	-56.08	-10.82	-4.04	-3.19
USGS2928590900040000 Barataria Waterway South of Lafitte	-80.99	-166.14	-107.71	-105.94	-127.80	-87.50	-53.03	-36.47	-60.96	-83.58	-86.76	-92.12
USGS7380251 Barataria Bay North of Grand Isle	-15.65	-39.33	-20.68	-40.97	-54.85	-40.38	-9.62	-3.12	-2.97	-6.60	-17.30	-18.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	-73.72	-161.41	-66.57	-81.66	-113.05	-67.01	-3.94	-26.15	-26.89	-42.91	-59.20	-70.47
USGS 07380335 - Little Lake Near Cutoff	-72.62	-164.27	-74.55	-80.42	-120.51	-69.20	2.56	-24.20	-30.52	-44.33	-51.97	-63.12
USGS073802516 Barataria Pass at Grand Isle	-63.37	-145.45	-56.14	-76.34	-109.76	-64.75	9.67	-17.70	-19.73	-38.42	-46.83	-61.42
HWQ14 - Lake Washington	-25.87	-64.37	-22.89	-46.56	-61.30	-45.14	1.16	1.52	-2.44	-9.84	-22.84	-28.31
HWQ16 - Bayou Grand Liard	-39.14	-70.62	-44.40	-48.13	-66.42	-35.54	-2.06	-3.54	-21.66	-29.18	-21.95	-31.31
CRMS 3985	-4.11	-11.07	-6.68	-16.23	-25.67	-27.28	-5.93	-2.16	-0.68	-0.85	-1.60	-4.73
CRMS 0258	-66.28	-117.79	-86.20	-40.61	-43.71	-39.92	-48.81	-33.82	-38.90	-55.79	-43.06	-42.41
CRMS 0224	-71.73	-160.38	-90.38	-71.74	-88.57	-62.47	-26.90	-30.23	-36.63	-49.86	-55.89	-64.52
CRMS 0163	-5.73	-0.33	-0.82	-0.21	0.05	-0.53	-3.80	-5.57	-68.41	-4.69	-1.32	-1.33
CRMS 0162	-4.55	3.68	-7.00	0.17	6.27	-7.39	-23.07	-17.79	-19.03	-41.71	1.94	-1.61

Figure WQ SO4 83 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	84.63	106.89	85.70	91.07	94.69	75.71	56.75	46.89	53.79	58.17	104.85	129.93
CRMS0276 - Just east of Wilkinson Canal	327.18	116.28	105.13	94.99	96.72	69.03	120.64	174.48	209.64	321.88	406.16	359.82
Barataria Waterway at Lafitte (USACE82875)	61.34	16.28	14.95	13.70	17.34	12.82	16.49	23.13	25.73	63.44	104.16	72.52
USGS2928590900040000 Barataria Waterway South of Lafitte	136.51	150.58	108.87	97.09	98.73	75.48	68.67	64.05	81.92	98.61	169.62	201.34
USGS7380251 Barataria Bay North of Grand Isle	42.74	54.12	51.60	70.56	78.85	64.20	45.88	34.40	24.64	26.34	53.44	50.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	198.50	186.24	124.10	135.01	139.58	113.89	102.02	126.55	100.31	123.26	238.52	226.65
USGS 07380335 - Little Lake Near Cutoff	298.17	226.31	156.59	156.37	162.56	127.69	134.47	184.52	154.57	211.23	338.31	324.04
USGS073802516 Barataria Pass at Grand Isle	241.77	222.92	154.11	181.67	199.32	168.59	158.18	199.67	134.42	173.26	252.51	274.71
HWQ14 - Lake Washington	78.73	94.70	77.04	106.89	127.37	110.06	82.95	76.74	51.46	48.23	86.12	90.30
HWQ16 - Bayou Grand Liard	521.01	328.46	312.13	309.42	281.50	238.17	328.89	381.85	388.36	489.59	577.11	531.24
CRMS 3985	23.32	28.14	30.88	49.26	60.08	55.13	39.52	27.40	19.51	18.97	24.86	26.00
CRMS 0258	211.60	168.72	88.70	84.46	80.40	46.76	53.59	67.33	135.13	209.35	305.53	323.75
CRMS 0224	236.70	209.22	132.31	122.05	123.24	92.39	98.90	127.05	146.12	187.09	297.81	317.92
CRMS 0163	36.13	12.20	13.55	16.25	15.75	13.09	17.90	22.91	27.40	58.99	65.93	45.72
CRMS 0162	56.17	35.38	49.70	81.73	90.13	36.88	15.35	31.81	160.34	209.30	263.45	111.08

V3PR2 HYST - cy 2 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.62	10.97	12.37	11.76	12.05	12.44	13.15	14.85	17.99	18.90	21.70	18.95
CRMS0276 - Just east of Wilkinson Canal	239.58	96.72	79.15	74.67	79.78	47.27	56.71	109.73	198.31	319.06	396.56	347.36
Barataria Waterway at Lafitte (USACE82875)	59.37	15.80	14.72	13.57	17.11	12.68	16.05	23.02	23.99	59.84	101.28	69.67
USGS2928590900040000 Barataria Waterway South of Lafitte	13.46	10.99	12.36	11.78	12.22	12.33	13.02	15.22	41.80	56.73	97.02	91.02
USGS7380251 Barataria Bay North of Grand Isle	16.40	12.04	12.06	11.59	12.41	12.01	11.87	13.01	15.53	20.31	36.72	30.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.37	21.65	15.50	16.10	17.46	14.69	13.26	32.83	75.60	109.65	188.79	147.74
USGS 07380335 - Little Lake Near Cutoff	107.46	44.37	24.38	26.31	26.61	18.94	18.50	65.10	130.32	202.92	296.16	253.57
USGS073802516 Barataria Pass at Grand Isle	86.40	53.07	28.98	39.39	50.71	39.73	29.50	78.10	114.11	167.81	217.49	211.33
HWQ14 - Lake Washington	29.29	18.49	13.76	19.06	28.84	22.10	13.58	18.68	41.25	46.69	67.73	60.80
HWQ16 - Bayou Grand Liard	422.09	216.74	197.48	183.55	174.71	152.13	232.12	319.72	367.38	486.86	558.92	502.19
CRMS 3985	16.63	12.92	11.49	11.25	12.31	11.71	11.23	11.36	11.96	15.06	20.69	20.85
CRMS 0258	75.21	37.74	19.38	31.96	32.16	18.54	12.36	19.58	106.09	196.53	275.02	273.56
CRMS 0224	66.00	39.05	20.45	28.86	29.83	18.46	13.26	30.82	111.67	172.60	255.23	242.73
CRMS 0163	36.23	12.08	13.41	16.07	15.62	12.97	17.32	23.83	25.31	55.20	63.48	45.18
CRMS 0162	58.30	36.70	48.31	80.24	88.16	38.06	15.87	31.22	147.70	181.79	263.57	98.59

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-72.01	-95.92	-73.33	-79.31	-82.64	-63.27	-43.59	-32.04	-35.79	-39.28	-83.16	-110.98
CRMS0276 - Just east of Wilkinson Canal	-87.60	-19.57	-25.98	-20.32	-16.94	-21.76	-63.92	-64.75	-11.33	-2.82	-9.60	-12.46
Barataria Waterway at Lafitte (USACE82875)	-1.98	-0.48	-0.23	-0.13	-0.23	-0.15	-0.44	-0.11	-1.74	-3.60	-2.89	-2.84
USGS2928590900040000 Barataria Waterway South of Lafitte	-123.04	-139.59	-96.51	-85.31	-86.51	-63.15	-55.65	-48.83	-40.11	-41.88	-72.60	-110.32
USGS7380251 Barataria Bay North of Grand Isle	-26.34	-42.08	-39.54	-58.97	-66.44	-52.20	-34.02	-21.39	-9.11	-6.02	-16.72	-20.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	-155.13	-164.60	-108.59	-118.92	-122.13	-99.20	-88.76	-93.72	-24.71	-13.60	-49.73	-78.92
USGS 07380335 - Little Lake Near Cutoff	-190.71	-181.94	-132.21	-130.06	-135.95	-108.75	-115.98	-119.42	-24.25	-8.32	-42.15	-70.48
USGS073802516 Barataria Pass at Grand Isle	-155.37	-169.86	-125.13	-142.28	-148.62	-128.86	-128.69	-121.57	-20.31	-5.46	-35.03	-63.38
HWQ14 - Lake Washington	-49.44	-76.21	-63.28	-87.83	-98.53	-87.95	-69.36	-58.06	-10.21	-1.54	-18.39	-29.50
HWQ16 - Bayou Grand Liard	-98.92	-111.72	-114.65	-125.86	-106.79	-86.04	-96.76	-62.13	-20.99	-2.73	-18.19	-29.05
CRMS 3985	-6.69	-15.22	-19.40	-38.00	-47.77	-43.42	-28.29	-16.04	-7.55	-3.91	-4.17	-5.16
CRMS 0258	-136.40	-130.98	-69.32	-52.50	-48.24	-28.22	-41.23	-47.75	-29.04	-12.82	-30.51	-50.18
CRMS 0224	-170.70	-170.17	-111.86	-93.18	-93.41	-73.92	-85.63	-96.23	-34.45	-14.50	-42.57	-75.19
CRMS 0163	0.10	-0.12	-0.14	-0.18	-0.13	-0.11	-0.58	0.92	-2.08	-3.78	-2.46	-0.54
CRMS 0162	2.13	1.32	-1.39	-1.49	-1.96	1.18	0.52	-0.59	-12.64	-27.51	0.13	-12.49

Figure WQ SO4 84 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	74.81	115.32	92.08	100.00	88.22	59.90	48.48	49.52	66.01	66.38	110.08	124.41
CRMS0276 - Just east of Wilkinson Canal	256.37	340.73	194.02	87.64	52.94	35.37	96.32	186.65	231.63	342.56	420.26	199.18
Barataria Waterway at Lafitte (USACE82875)	73.12	72.33	23.38	13.15	13.04	11.73	15.15	28.31	28.79	78.68	107.74	30.34
USGS2928590900040000 Barataria Waterway South of Lafitte	113.42	172.89	150.78	107.10	85.35	53.59	56.28	64.54	99.30	111.04	178.69	193.88
USGS7380251 Barataria Bay North of Grand Isle	33.34	50.78	39.48	69.02	75.63	58.88	41.83	37.70	29.91	29.33	55.61	47.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	164.85	218.75	133.88	134.07	127.63	95.72	86.52	140.49	119.95	133.18	248.99	216.71
USGS 07380335 - Little Lake Near Cutoff	253.84	303.33	194.87	154.25	141.59	102.51	113.99	201.31	177.95	224.36	351.01	288.33
USGS073802516 Barataria Pass at Grand Isle	201.40	273.67	162.73	178.04	175.79	138.07	137.03	217.10	155.26	184.91	262.51	254.62
HWQ14 - Lake Washington	62.83	89.15	57.39	103.48	123.59	98.47	72.35	86.89	61.38	53.69	89.82	93.97
HWQ16 - Bayou Grand Liard	492.26	512.00	376.47	296.90	218.73	186.85	304.17	404.58	409.04	506.81	587.91	422.72
CRMS 3985	16.67	24.79	21.46	42.86	57.47	52.46	37.28	30.01	22.66	20.70	24.96	19.90
CRMS 0258	162.43	276.04	198.08	82.93	58.94	28.88	41.42	66.31	165.56	219.48	320.39	254.45
CRMS 0224	183.11	280.63	209.68	121.31	101.35	67.12	80.53	131.13	169.36	199.66	311.68	293.75
CRMS 0163	65.11	53.28	14.63	12.79	12.98	11.72	17.10	29.93	30.18	77.55	60.12	15.87
CRMS 0162	132.43	173.68	38.89	67.78	33.33	21.36	14.56	36.32	216.15	380.53	243.42	33.78

V3PR2 HYST - cy 2 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.30	20.44	11.86	11.35	12.59	11.61	13.03	15.87	18.80	20.17	21.68	11.91
CRMS0276 - Just east of Wilkinson Canal	207.16	320.92	181.21	66.97	36.81	24.80	45.00	140.60	225.59	344.87	409.56	193.76
Barataria Waterway at Lafitte (USACE82875)	66.74	67.80	22.45	12.91	12.94	11.71	14.80	26.28	27.98	73.26	103.67	30.57
USGS2928590900040000 Barataria Waterway South of Lafitte	20.09	58.99	14.64	11.40	12.56	11.54	12.89	18.09	51.80	61.25	96.80	12.27
USGS7380251 Barataria Bay North of Grand Isle	15.09	29.83	15.04	11.77	12.59	11.71	11.50	13.62	17.05	21.97	39.00	16.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	74.18	140.91	29.48	15.76	15.03	12.86	12.64	59.18	92.12	117.59	194.94	34.72
USGS 07380335 - Little Lake Near Cutoff	153.68	227.48	55.57	25.31	19.47	15.01	17.12	117.00	153.64	215.46	306.55	79.33
USGS073802516 Barataria Pass at Grand Isle	112.75	203.25	59.91	39.65	35.08	28.43	25.51	127.04	135.02	177.90	224.87	82.45
HWQ14 - Lake Washington	25.74	54.12	24.19	21.37	24.71	18.47	12.03	27.57	47.95	51.40	72.69	35.38
HWQ16 - Bayou Grand Liard	441.25	474.15	273.02	176.26	114.15	108.72	217.52	365.11	399.02	504.11	565.71	322.07
CRMS 3985	14.70	18.82	14.96	12.07	12.43	11.97	10.82	10.65	12.35	16.18	22.03	18.55
CRMS 0258	46.46	197.94	83.44	30.39	21.47	13.11	11.73	26.58	133.80	206.95	290.66	114.52
CRMS 0224	69.85	198.50	70.19	27.04	20.03	13.20	12.32	53.78	134.53	183.75	269.06	100.39
CRMS 0163	61.96	50.42	14.64	12.65	12.89	11.70	16.53	28.38	29.61	70.38	59.71	15.96
CRMS 0162	132.62	160.00	40.67	67.45	30.98	21.61	14.95	35.46	171.85	347.44	238.49	35.20

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-58.51	-94.88	-80.22	-88.65	-75.63	-48.29	-35.45	-33.64	-47.21	-46.22	-88.40	-112.50
CRMS0276 - Just east of Wilkinson Canal	-49.21	-19.81	-12.81	-20.67	-16.14	-10.57	-51.32	-46.06	-6.03	2.31	-10.70	-5.42
Barataria Waterway at Lafitte (USACE82875)	-6.37	-4.52	-0.93	-0.25	-0.10	-0.02	-0.35	-2.03	-0.81	-5.43	-4.07	0.23
USGS2928590900040000 Barataria Waterway South of Lafitte	-93.33	-113.90	-136.15	-95.70	-72.79	-42.05	-43.39	-46.45	-47.51	-49.79	-81.89	-181.61
USGS7380251 Barataria Bay North of Grand Isle	-18.24	-20.95	-24.44	-57.25	-63.05	-47.17	-30.33	-24.08	-12.86	-7.36	-16.60	-30.72
USGS73802515 Hackberry Bay Northwest of Grand Isle	-90.67	-77.83	-104.40	-118.31	-112.60	-82.86	-73.89	-81.31	-27.83	-15.58	-54.05	-181.99
USGS 07380335 - Little Lake Near Cutoff	-100.16	-75.86	-139.30	-128.94	-122.12	-87.50	-96.87	-84.31	-24.30	-8.90	-44.47	-208.99
USGS073802516 Barataria Pass at Grand Isle	-88.65	-70.42	-102.82	-138.38	-140.71	-109.64	-111.52	-90.05	-20.24	-7.00	-37.64	-172.16
HWQ14 - Lake Washington	-37.09	-35.03	-33.20	-82.11	-98.87	-80.00	-60.32	-59.32	-13.43	-2.29	-17.13	-58.60
HWQ16 - Bayou Grand Liard	-51.01	-37.85	-103.45	-120.64	-104.58	-78.13	-86.65	-39.47	-10.02	-2.71	-22.20	-100.65
CRMS 3985	-1.97	-5.97	-6.50	-30.79	-45.04	-40.49	-26.46	-19.36	-10.31	-4.52	-2.93	-1.35
CRMS 0258	-115.96	-78.10	-114.64	-52.55	-37.47	-15.77	-29.69	-39.74	-31.77	-12.52	-29.73	-139.93
CRMS 0224	-113.27	-82.13	-139.50	-94.27	-81.31	-53.91	-68.22	-77.35	-34.82	-15.91	-42.61	-193.37
CRMS 0163	-3.15	-2.85	0.02	-0.15	-0.09	-0.01	-0.57	-1.55	-0.57	-7.17	-0.41	0.09
CRMS 0162	0.19	-13.68	1.78	-0.34	-2.35	0.25	0.40	-0.86	-44.30	-33.09	-4.93	1.42

Figure WQ SO4 85 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.62	78.29	70.45	75.05	76.39	65.65	57.44	48.04	76.50	76.48	97.22	106.36
CRMS0276 - Just east of Wilkinson Canal	173.24	183.18	92.34	70.88	89.76	140.27	196.64	327.36	295.95	377.31	287.37	108.17
Barataria Waterway at Lafitte (USACE82875)	25.72	28.71	12.82	12.16	15.15	21.33	39.69	68.41	36.33	78.32	49.39	15.20
USGS2928590900040000 Barataria Waterway South of Lafitte	95.04	111.23	98.79	76.15	77.21	71.63	70.65	69.65	130.53	133.98	160.34	150.93
USGS7380251 Barataria Bay North of Grand Isle	40.44	40.27	38.47	59.44	65.46	53.97	41.47	27.62	27.08	29.83	49.14	49.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	140.33	149.39	107.32	112.81	117.86	105.95	113.25	160.72	143.00	150.21	219.81	175.16
USGS 07380335 - Little Lake Near Cutoff	198.52	205.09	142.74	130.29	139.97	130.06	173.15	290.04	216.94	250.58	303.09	216.54
USGS073802516 Barataria Pass at Grand Isle	173.64	195.26	135.20	155.43	176.21	175.75	190.15	271.24	185.49	205.11	234.86	204.35
HWQ14 - Lake Washington	69.76	68.48	58.61	92.21	109.75	96.49	79.35	63.81	62.86	57.31	82.76	90.69
HWQ16 - Bayou Grand Liard	393.13	381.94	287.96	270.82	262.04	299.48	446.21	571.40	470.44	529.13	491.41	328.58
CRMS 3985	24.09	23.40	22.60	41.27	50.55	46.21	33.51	21.63	19.28	20.05	21.53	24.88
CRMS 0258	107.45	140.32	104.54	60.60	60.55	61.49	78.28	116.35	239.28	263.44	238.82	168.73
CRMS 0224	147.64	180.03	132.54	94.73	99.78	99.46	118.15	177.03	225.67	234.19	277.11	210.85
CRMS 0163	19.97	21.09	11.42	12.04	14.27	23.00	55.55	68.47	37.93	72.18	24.75	12.00
CRMS 0162	47.24	78.21	23.92	55.83	92.67	70.86	38.89	164.16	312.14	341.71	97.17	21.27

V3PR3 HYST - cy 2 - 1985 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.88	13.82	10.98	11.00	12.69	14.82	16.66	18.41	19.84	19.62	13.66	10.92
CRMS0276 - Just east of Wilkinson Canal	97.89	167.79	80.27	53.45	69.71	118.72	148.99	298.21	282.29	366.63	269.11	95.57
Barataria Waterway at Lafitte (USACE82875)	23.01	28.57	12.91	11.91	15.02	20.77	36.40	62.19	33.54	73.79	50.38	15.25
USGS2928590900040000 Barataria Waterway South of Lafitte	11.79	15.15	11.02	11.06	12.73	16.12	15.89	27.52	71.33	57.09	14.51	10.92
USGS7380251 Barataria Bay North of Grand Isle	11.72	13.97	11.16	10.91	12.20	13.32	12.60	17.74	19.42	25.29	17.94	12.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.48	41.59	13.79	13.52	16.11	23.95	41.22	151.00	118.70	130.19	71.18	14.77
USGS 07380335 - Little Lake Near Cutoff	41.35	85.23	21.96	19.97	22.29	36.06	91.32	279.14	193.26	235.64	150.67	29.83
USGS073802516 Barataria Pass at Grand Isle	32.88	89.56	28.35	30.92	43.27	70.56	110.80	269.95	167.84	196.59	117.15	38.61
HWQ14 - Lake Washington	13.82	21.90	14.12	16.60	25.17	28.99	27.49	64.91	57.46	59.62	37.68	19.62
HWQ16 - Bayou Grand Liard	276.06	315.61	171.59	154.27	162.02	234.16	402.26	557.65	451.06	521.84	423.49	212.45
CRMS 3985	11.91	12.39	11.16	10.62	11.61	12.52	11.38	11.64	15.18	18.90	18.28	13.92
CRMS 0258	15.27	50.61	23.39	21.72	23.58	32.57	22.93	65.64	209.97	237.45	125.41	33.89
CRMS 0224	18.75	61.35	22.02	20.26	22.23	33.62	39.33	143.79	194.67	209.65	120.59	32.62
CRMS 0163	18.89	21.56	11.42	11.90	14.34	21.97	50.51	65.92	35.73	68.57	25.00	11.96
CRMS 0162	49.19	82.41	25.08	55.24	98.70	68.14	38.06	155.01	299.77	315.58	103.30	21.36

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-55.74	-64.47	-59.47	-64.05	-63.69	-50.83	-40.78	-29.63	-56.66	-56.86	-83.56	-95.44
CRMS0276 - Just east of Wilkinson Canal	-75.35	-15.40	-12.07	-17.43	-20.05	-21.55	-47.65	-29.15	-13.66	-10.69	-18.25	-12.60
Barataria Waterway at Lafitte (USACE82875)	-2.71	-0.14	0.09	-0.25	-0.13	-0.56	-3.29	-6.23	-2.79	-4.53	1.00	0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.26	-96.08	-87.77	-65.09	-64.48	-55.51	-54.75	-42.13	-59.20	-76.90	-145.83	-140.01
USGS7380251 Barataria Bay North of Grand Isle	-28.72	-26.30	-27.31	-48.53	-53.26	-40.65	-28.87	-9.88	-7.65	-4.54	-31.20	-37.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	-122.85	-107.80	-93.53	-99.29	-101.75	-81.99	-72.03	-9.72	-24.30	-20.02	-148.63	-160.39
USGS 07380335 - Little Lake Near Cutoff	-157.17	-119.86	-120.78	-110.31	-117.69	-94.00	-81.83	-10.90	-23.68	-14.94	-152.43	-186.72
USGS073802516 Barataria Pass at Grand Isle	-140.76	-105.69	-106.85	-124.51	-132.94	-105.18	-79.35	-1.30	-17.66	-8.53	-117.70	-165.73
HWQ14 - Lake Washington	-55.94	-46.58	-44.49	-75.61	-84.57	-67.50	-51.86	1.10	-5.39	2.31	-45.08	-71.08
HWQ16 - Bayou Grand Liard	-117.07	-66.33	-116.38	-116.55	-100.02	-65.32	-43.95	-13.75	-19.38	-7.29	-67.93	-116.13
CRMS 3985	-12.18	-11.01	-11.44	-30.66	-38.94	-33.69	-22.13	-9.98	-4.09	-1.15	-3.25	-10.96
CRMS 0258	-92.18	-89.71	-81.15	-38.88	-36.97	-28.92	-55.36	-50.71	-29.32	-25.99	-113.41	-134.84
CRMS 0224	-128.90	-118.69	-110.52	-74.47	-77.55	-65.84	-78.82	-33.24	-31.00	-24.54	-156.52	-178.23
CRMS 0163	-1.08	0.47	0.00	-0.14	0.07	-1.04	-5.04	-2.54	-2.20	-3.61	0.25	-0.04
CRMS 0162	1.95	4.20	1.16	-0.58	6.03	-2.72	-0.83	-9.15	-12.37	-26.14	6.13	0.09

Figure WQ SO4 86 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	79.92	101.72	79.40	74.83	74.25	55.41	53.43	43.67	68.77	74.69	117.99	131.71
CRMS0276 - Just east of Wilkinson Canal	281.32	142.13	77.91	73.98	54.51	102.25	203.80	281.32	302.30	403.94	417.68	278.08
Barataria Waterway at Lafitte (USACE82875)	66.72	19.70	11.91	12.34	11.56	19.71	36.34	55.72	41.20	115.07	100.49	45.82
USGS2928590900040000 Barataria Waterway South of Lafitte	124.64	146.53	105.61	76.22	71.17	53.64	64.31	63.58	118.06	131.44	193.44	208.22
USGS7380251 Barataria Bay North of Grand Isle	40.74	49.68	43.73	59.92	65.70	51.63	40.15	25.39	24.93	29.43	58.44	53.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	181.54	183.26	110.54	112.76	112.78	93.24	111.56	139.57	131.92	152.63	259.39	222.55
USGS 07380335 - Little Lake Near Cutoff	273.23	231.33	139.51	130.89	127.91	112.71	172.42	246.52	205.52	257.97	362.61	305.43
USGS073802516 Barataria Pass at Grand Isle	220.63	222.86	136.32	153.88	160.44	155.06	191.69	238.83	172.79	209.58	271.87	264.14
HWQ14 - Lake Washington	72.73	87.33	65.65	92.65	109.60	88.40	75.51	60.19	57.13	56.87	94.50	95.16
HWQ16 - Bayou Grand Liard	506.37	352.29	273.53	270.04	216.84	273.91	445.44	509.07	463.78	548.40	585.66	478.82
CRMS 3985	22.79	26.11	24.53	41.85	51.19	45.12	31.88	19.92	18.64	19.91	26.11	27.14
CRMS 0258	175.60	173.07	91.30	62.87	49.29	39.19	70.70	104.82	226.48	275.74	350.04	275.18
CRMS 0224	207.34	215.75	126.55	96.01	88.31	74.51	113.99	156.13	211.16	237.16	331.27	310.13
CRMS 0163	50.92	13.75	11.20	11.89	11.37	23.93	43.46	58.73	45.32	114.79	54.40	25.32
CRMS 0162	80.41	52.22	25.29	55.25	43.67	54.96	21.28	137.60	392.67	481.52	222.33	54.75

V3PR3 HYST - cy 2 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.59	11.46	10.85	10.93	10.98	15.20	15.93	17.71	20.42	20.62	20.87	14.89
CRMS0276 - Just east of Wilkinson Canal	228.51	127.06	59.72	58.98	37.87	80.79	168.59	262.00	290.43	386.43	405.43	270.06
Barataria Waterway at Lafitte (USACE82875)	64.77	20.07	11.85	12.17	11.39	18.89	34.41	52.98	37.56	98.48	95.21	44.81
USGS2928590900040000 Barataria Waterway South of Lafitte	17.82	11.61	10.86	10.99	11.00	14.24	16.35	25.25	67.24	59.49	88.64	51.52
USGS7380251 Barataria Bay North of Grand Isle	15.80	12.35	10.87	10.84	11.01	11.95	12.47	17.02	19.20	23.27	40.69	25.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	47.79	24.36	12.84	13.15	12.94	24.12	53.01	132.26	114.80	122.26	202.38	98.15
USGS 07380335 - Little Lake Near Cutoff	118.30	51.86	18.44	19.56	16.54	37.74	110.52	239.02	189.79	229.26	313.29	179.44
USGS073802516 Barataria Pass at Grand Isle	88.72	58.87	23.40	29.04	30.49	69.60	131.19	240.02	163.48	182.81	228.57	158.62
HWQ14 - Lake Washington	24.82	17.85	12.67	15.77	20.92	23.45	31.18	63.63	55.23	49.87	74.18	52.78
HWQ16 - Bayou Grand Liard	436.84	251.43	151.87	155.24	111.78	224.97	415.02	502.55	452.05	527.83	562.64	427.44
CRMS 3985	14.58	12.53	10.81	10.51	10.94	10.93	10.46	11.05	14.88	17.96	22.65	20.21
CRMS 0258	58.40	46.01	17.41	22.08	17.39	19.22	28.97	62.09	200.36	245.51	303.20	196.08
CRMS 0224	62.73	47.01	17.01	20.35	16.48	23.32	53.74	127.59	185.94	206.28	276.49	186.03
CRMS 0163	50.06	13.98	11.16	11.76	11.26	23.04	41.31	58.12	40.31	96.88	52.67	25.54
CRMS 0162	83.95	54.09	28.75	54.10	42.53	61.76	21.97	124.84	366.60	450.71	227.24	53.53

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-65.33	-90.25	-68.55	-63.90	-63.26	-40.21	-37.50	-25.96	-48.35	-54.07	-97.12	-116.82
CRMS0276 - Just east of Wilkinson Canal	-52.81	-15.07	-18.19	-15.00	-16.64	-21.46	-35.22	-19.31	-11.88	-17.51	-12.25	-8.02
Barataria Waterway at Lafitte (USACE82875)	-1.95	0.37	-0.07	-0.17	-0.17	-0.82	-1.93	-2.74	-3.64	-16.58	-5.29	-1.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-106.83	-134.92	-94.76	-65.23	-60.17	-39.40	-47.96	-38.33	-50.82	-71.95	-104.80	-156.69
USGS7380251 Barataria Bay North of Grand Isle	-24.95	-37.33	-32.86	-49.07	-54.69	-39.68	-27.69	-8.38	-5.73	-6.16	-17.76	-27.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	-133.75	-158.91	-97.70	-99.61	-99.84	-69.12	-58.55	-7.31	-17.12	-30.37	-57.01	-124.40
USGS 07380335 - Little Lake Near Cutoff	-154.93	-179.47	-121.07	-111.33	-111.37	-74.97	-61.89	-7.51	-15.73	-28.71	-49.32	-125.99
USGS073802516 Barataria Pass at Grand Isle	-131.91	-163.99	-112.92	-124.84	-129.95	-85.46	-60.50	1.19	-9.31	-26.76	-43.30	-105.51
HWQ14 - Lake Washington	-47.91	-69.47	-52.98	-76.87	-88.68	-64.96	-44.33	3.44	-1.91	-6.99	-20.32	-42.38
HWQ16 - Bayou Grand Liard	-69.54	-100.86	-121.66	-114.80	-105.05	-48.94	-30.41	-6.52	-11.73	-20.57	-23.02	-51.38
CRMS 3985	-8.20	-13.58	-13.72	-31.34	-40.25	-34.19	-21.41	-8.88	-3.76	-1.95	-3.46	-6.93
CRMS 0258	-117.20	-127.06	-73.88	-40.78	-31.89	-19.97	-41.73	-42.73	-26.13	-30.23	-46.83	-79.11
CRMS 0224	-144.61	-168.74	-109.54	-75.66	-71.83	-51.19	-60.24	-28.55	-25.22	-30.88	-54.79	-124.10
CRMS 0163	-0.86	0.23	-0.04	-0.13	-0.10	-0.89	-2.16	-0.61	-5.01	-17.91	-1.72	0.22
CRMS 0162	3.54	1.87	3.45	-1.16	-1.13	6.80	0.69	-12.76	-26.06	-30.81	4.91	-1.23

Figure WQ SO4 87 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	82.54	123.94	90.44	114.35	123.98	102.60	55.03	45.60	83.69	90.20	113.73	113.13
CRMS0276 - Just east of Wilkinson Canal	384.04	220.98	235.38	181.13	165.75	209.24	272.89	376.15	398.60	403.88	349.74	280.03
Barataria Waterway at Lafitte (USACE82875)	127.32	37.56	36.23	29.22	27.38	36.77	75.98	99.36	196.12	83.13	72.91	53.63
USGS2928590900040000 Barataria Waterway South of Lafitte	126.16	183.50	135.97	139.83	146.03	118.46	75.53	68.10	147.59	164.09	191.50	174.30
USGS7380251 Barataria Bay North of Grand Isle	39.40	57.29	39.46	63.10	76.39	62.83	30.18	24.47	27.50	32.64	55.03	46.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	203.32	225.56	130.43	153.47	158.38	132.90	90.67	184.88	169.29	178.47	243.00	196.92
USGS 07380335 - Little Lake Near Cutoff	321.53	290.30	192.93	196.19	196.29	167.68	174.77	329.90	271.85	289.82	335.81	277.68
USGS073802516 Barataria Pass at Grand Isle	247.64	272.39	163.15	206.86	230.87	217.10	180.90	309.12	218.06	234.28	255.56	243.44
HWQ14 - Lake Washington	72.21	102.18	57.29	97.15	123.65	106.74	51.57	65.22	66.83	65.41	90.29	83.62
HWQ16 - Bayou Grand Liard	594.03	440.25	420.30	388.96	350.29	372.65	533.76	614.77	545.93	552.44	538.62	477.68
CRMS 3985	22.32	28.30	22.03	33.77	47.28	47.52	23.73	19.35	19.49	20.51	23.07	24.74
CRMS 0258	210.72	236.23	192.87	137.87	131.65	127.41	114.51	121.64	299.30	349.65	298.99	234.13
CRMS 0224	226.51	278.24	189.33	170.44	173.74	145.06	121.19	191.77	272.37	288.58	315.10	270.14
CRMS 0163	97.95	25.60	25.61	29.61	22.45	45.75	94.62	109.22	224.22	66.82	38.15	37.21
CRMS 0162	166.93	82.30	105.70	157.58	127.56	106.56	181.83	412.92	629.83	276.37	132.45	60.29

V3PR3 HYST - cy 2 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.97	14.47	15.96	17.41	14.63	17.49	18.82	19.72	21.91	19.98	19.04	17.38
CRMS0276 - Just east of Wilkinson Canal	350.07	201.11	221.05	166.77	149.64	192.27	262.51	369.82	380.36	377.16	337.57	266.10
Barataria Waterway at Lafitte (USACE82875)	121.32	38.17	34.73	28.19	26.39	36.21	70.93	94.92	153.82	73.94	70.31	51.26
USGS2928590900040000 Barataria Waterway South of Lafitte	39.70	16.80	24.87	31.07	17.73	29.08	20.86	29.01	81.72	70.47	85.76	61.95
USGS7380251 Barataria Bay North of Grand Isle	23.77	18.01	19.15	22.46	21.50	22.79	20.83	22.25	25.27	26.29	36.84	27.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	132.79	65.00	66.09	71.96	45.30	66.19	87.79	165.84	144.47	137.71	184.91	124.89
USGS 07380335 - Little Lake Near Cutoff	255.07	127.91	122.38	116.04	75.37	99.47	179.86	312.34	246.26	250.49	285.28	211.89
USGS073802516 Barataria Pass at Grand Isle	187.60	129.13	111.97	132.65	119.37	154.36	193.33	301.71	203.68	199.30	210.66	183.39
HWQ14 - Lake Washington	46.47	38.27	35.71	52.04	62.30	61.64	53.77	71.85	66.63	56.61	67.01	55.50
HWQ16 - Bayou Grand Liard	563.86	374.61	382.99	339.67	280.05	341.35	537.46	617.05	534.90	529.97	517.36	446.41
CRMS 3985	18.18	17.26	15.55	17.88	21.62	20.42	17.93	17.43	19.23	19.91	21.29	20.10
CRMS 0258	142.61	117.51	106.49	97.60	84.82	85.30	64.21	87.37	265.26	302.41	253.88	189.99
CRMS 0224	156.58	118.16	99.74	99.13	83.27	81.42	94.61	165.89	240.04	243.77	257.47	203.03
CRMS 0163	95.34	26.20	25.21	28.37	22.22	45.47	91.57	104.10	171.71	61.56	37.31	36.04
CRMS 0162	165.10	84.44	109.78	156.61	135.03	103.18	176.31	402.16	609.73	226.57	133.25	60.12

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-64.56	-109.47	-74.48	-96.94	-109.36	-85.11	-36.21	-25.88	-61.79	-70.22	-94.69	-95.74
CRMS0276 - Just east of Wilkinson Canal	-33.97	-19.87	-14.33	-14.35	-16.12	-16.97	-10.38	-6.32	-18.24	-26.72	-12.17	-13.93
Barataria Waterway at Lafitte (USACE82875)	-6.00	0.61	-1.50	-1.03	-0.98	-0.56	-5.05	-4.44	-42.30	-9.18	-2.59	-2.36
USGS2928590900040000 Barataria Waterway South of Lafitte	-86.47	-166.70	-111.10	-108.76	-128.30	-89.38	-54.67	-39.09	-65.87	-93.62	-105.73	-112.36
USGS7380251 Barataria Bay North of Grand Isle	-15.63	-39.28	-20.31	-40.64	-54.89	-40.04	-9.35	-2.22	-2.22	-6.35	-18.20	-18.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	-70.53	-160.56	-64.33	-81.51	-113.08	-66.71	-2.89	-19.04	-24.82	-40.76	-58.09	-72.04
USGS 07380335 - Little Lake Near Cutoff	-66.45	-162.39	-70.55	-80.15	-120.92	-68.20	5.10	-17.57	-25.60	-39.33	-50.53	-65.79
USGS073802516 Barataria Pass at Grand Isle	-60.04	-143.26	-51.18	-74.21	-111.50	-62.74	12.42	-7.42	-14.38	-34.98	-44.90	-60.05
HWQ14 - Lake Washington	-25.73	-63.91	-21.58	-45.11	-61.36	-45.10	2.19	6.63	-0.20	-8.80	-23.28	-28.12
HWQ16 - Bayou Grand Liard	-30.17	-65.64	-37.31	-49.28	-70.24	-31.29	3.69	2.28	-11.04	-22.47	-21.25	-31.26
CRMS 3985	-4.14	-11.04	-6.48	-15.89	-25.66	-27.09	-5.80	-1.92	-0.25	-0.61	-1.79	-4.63
CRMS 0258	-68.12	-118.71	-86.38	-40.26	-46.82	-42.11	-50.30	-34.28	-34.04	-47.23	-45.11	-44.13
CRMS 0224	-69.92	-160.08	-89.60	-71.31	-90.47	-63.65	-26.58	-25.88	-32.33	-44.81	-57.63	-67.11
CRMS 0163	-2.61	0.59	-0.40	-1.24	-0.23	-0.28	-3.04	-5.12	-52.52	-5.26	-0.84	-1.17
CRMS 0162	-1.83	2.15	4.07	-0.97	7.47	-3.39	-5.52	-10.76	-20.10	-49.80	0.80	-0.18

Figure WQ SO4 88 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	84.63	106.89	85.70	91.07	94.69	75.71	56.75	46.89	53.79	58.17	104.85	129.93
CRMS0276 - Just east of Wilkinson Canal	327.18	116.28	105.13	94.99	96.72	69.03	120.64	174.48	209.64	321.88	406.16	359.82
Barataria Waterway at Lafitte (USACE82875)	61.34	16.28	14.95	13.70	17.34	12.82	16.49	23.13	25.73	63.44	104.16	72.52
USGS2928590900040000 Barataria Waterway South of Lafitte	136.51	150.58	108.87	97.09	98.73	75.48	68.67	64.05	81.92	98.61	169.62	201.34
USGS7380251 Barataria Bay North of Grand Isle	42.74	54.12	51.60	70.56	78.85	64.20	45.88	34.40	24.64	26.34	53.44	50.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	198.50	186.24	124.10	135.01	139.58	113.89	102.02	126.55	100.31	123.26	238.52	226.65
USGS 07380335 - Little Lake Near Cutoff	298.17	226.31	156.59	156.37	162.56	127.69	134.47	184.52	154.57	211.23	338.31	324.04
USGS073802516 Barataria Pass at Grand Isle	241.77	222.92	154.11	181.67	199.32	168.59	158.18	199.67	134.42	173.26	252.51	274.71
HWQ14 - Lake Washington	78.73	94.70	77.04	106.89	127.37	110.06	82.95	76.74	51.46	48.23	86.12	90.30
HWQ16 - Bayou Grand Liard	521.01	328.46	312.13	309.42	281.50	238.17	328.89	381.85	388.36	489.59	577.11	531.24
CRMS 3985	23.32	28.14	30.88	49.26	60.08	55.13	39.52	27.40	19.51	18.97	24.86	26.00
CRMS 0258	211.60	168.72	88.70	84.46	80.40	46.76	53.59	67.33	135.13	209.35	305.53	323.75
CRMS 0224	236.70	209.22	132.31	122.05	123.24	92.39	98.90	127.05	146.12	187.09	297.81	317.92
CRMS 0163	36.13	12.20	13.55	16.25	15.75	13.09	17.90	22.91	27.40	58.99	65.93	45.72
CRMS 0162	56.17	35.38	49.70	81.73	90.13	36.88	15.35	31.81	160.34	209.30	263.45	111.08

V3PR3 HYST - cy 2 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.62	10.97	12.37	11.76	12.05	12.44	13.15	14.83	17.82	18.75	21.16	18.52
CRMS0276 - Just east of Wilkinson Canal	233.62	97.89	79.45	74.46	79.36	46.24	55.54	106.54	198.08	317.47	395.02	349.43
Barataria Waterway at Lafitte (USACE82875)	59.24	16.03	14.81	13.58	17.29	12.67	16.05	22.29	24.32	59.90	101.82	69.97
USGS2928590900040000 Barataria Waterway South of Lafitte	13.48	11.02	12.38	11.82	12.36	12.33	13.02	15.04	38.73	47.53	80.81	67.93
USGS7380251 Barataria Bay North of Grand Isle	16.38	12.05	12.10	11.61	12.44	12.02	11.86	12.99	15.38	20.26	37.56	30.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	42.80	21.71	16.11	15.97	17.47	14.67	13.26	31.93	74.78	108.98	189.74	147.69
USGS 07380335 - Little Lake Near Cutoff	106.42	44.53	25.62	25.98	26.69	18.88	18.59	62.45	129.00	202.25	297.63	253.66
USGS073802516 Barataria Pass at Grand Isle	85.87	53.70	30.74	38.75	49.82	39.36	29.37	75.92	113.24	166.99	219.63	210.76
HWQ14 - Lake Washington	29.27	18.59	14.04	19.26	28.48	21.82	13.54	18.39	40.94	46.64	69.87	60.85
HWQ16 - Bayou Grand Liard	416.83	219.53	199.11	183.24	172.91	150.51	231.77	307.98	366.32	485.19	559.95	504.15
CRMS 3985	16.64	12.92	11.52	11.32	12.34	11.75	11.24	11.36	11.91	15.01	21.04	20.94
CRMS 0258	72.43	36.36	19.52	31.74	31.80	18.10	12.35	19.19	103.21	193.51	271.32	271.02
CRMS 0224	64.76	38.47	20.70	28.59	29.89	18.18	13.25	29.48	109.08	170.67	254.48	241.58
CRMS 0163	35.89	12.17	13.43	16.05	15.70	12.98	17.41	22.41	25.92	55.83	66.12	44.81
CRMS 0162	59.32	36.70	53.28	78.21	87.94	39.57	16.06	32.88	141.74	184.95	269.24	104.50

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-72.01	-95.92	-73.33	-79.31	-82.64	-63.27	-43.59	-32.06	-35.97	-39.42	-83.70	-111.41
CRMS0276 - Just east of Wilkinson Canal	-93.56	-18.39	-25.68	-20.53	-17.36	-22.79	-65.10	-67.95	-11.56	-4.41	-11.14	-10.38
Barataria Waterway at Lafitte (USACE82875)	-2.11	-0.25	-0.14	-0.12	-0.05	-0.15	-0.44	-0.84	-1.42	-3.54	-2.34	-2.55
USGS2928590900040000 Barataria Waterway South of Lafitte	-123.03	-139.56	-96.49	-85.27	-86.37	-63.16	-55.65	-49.02	-43.19	-51.08	-88.81	-133.41
USGS7380251 Barataria Bay North of Grand Isle	-26.36	-42.07	-39.50	-58.96	-66.41	-52.18	-34.02	-21.41	-9.27	-6.08	-15.88	-20.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	-155.70	-164.54	-107.99	-119.05	-122.12	-99.22	-88.76	-94.62	-25.54	-14.27	-48.78	-78.97
USGS 07380335 - Little Lake Near Cutoff	-191.74	-181.78	-130.97	-130.39	-135.88	-108.81	-115.88	-122.07	-25.56	-8.98	-40.68	-70.39
USGS073802516 Barataria Pass at Grand Isle	-155.90	-169.23	-123.37	-142.92	-149.51	-129.23	-128.82	-123.75	-21.18	-6.27	-32.89	-63.95
HWQ14 - Lake Washington	-49.46	-76.11	-63.01	-87.63	-98.89	-88.24	-69.41	-58.35	-10.52	-1.59	-16.26	-29.45
HWQ16 - Bayou Grand Liard	-104.18	-108.93	-113.02	-126.18	-108.59	-87.66	-97.12	-73.87	-22.04	-4.41	-17.16	-27.10
CRMS 3985	-6.69	-15.21	-19.36	-37.94	-47.74	-43.38	-28.28	-16.04	-7.60	-3.96	-3.82	-5.06
CRMS 0258	-139.18	-132.36	-69.18	-52.72	-48.60	-28.66	-41.24	-48.14	-31.92	-15.84	-34.21	-52.73
CRMS 0224	-171.94	-170.75	-111.61	-93.46	-93.35	-74.20	-85.64	-97.58	-37.04	-16.43	-43.33	-76.34
CRMS 0163	-0.25	-0.04	-0.12	-0.20	-0.05	-0.11	-0.49	-0.49	-1.47	-3.16	0.18	-0.91
CRMS 0162	3.14	1.32	3.57	-3.52	-2.19	2.69	0.71	1.07	-18.60	-24.35	5.80	-6.59

Figure WQ SO4 89 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	74.81	115.32	92.08	100.00	88.22	59.90	48.48	49.52	66.01	66.38	110.08	124.41
CRMS0276 - Just east of Wilkinson Canal	256.37	340.73	194.02	87.64	52.94	35.37	96.32	186.65	231.63	342.56	420.26	199.18
Barataria Waterway at Lafitte (USACE82875)	73.12	72.33	23.38	13.15	13.04	11.73	15.15	28.31	28.79	78.68	107.74	30.34
USGS2928590900040000 Barataria Waterway South of Lafitte	113.42	172.89	150.78	107.10	85.35	53.59	56.28	64.54	99.30	111.04	178.69	193.88
USGS7380251 Barataria Bay North of Grand Isle	33.34	50.78	39.48	69.02	75.63	58.88	41.83	37.70	29.91	29.33	55.61	47.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	164.85	218.75	133.88	134.07	127.63	95.72	86.52	140.49	119.95	133.18	248.99	216.71
USGS 07380335 - Little Lake Near Cutoff	253.84	303.33	194.87	154.25	141.59	102.51	113.99	201.31	177.95	224.36	351.01	288.33
USGS073802516 Barataria Pass at Grand Isle	201.40	273.67	162.73	178.04	175.79	138.07	137.03	217.10	155.26	184.91	262.51	254.62
HWQ14 - Lake Washington	62.83	89.15	57.39	103.48	123.59	98.47	72.35	86.89	61.38	53.69	89.82	93.97
HWQ16 - Bayou Grand Liard	492.26	512.00	376.47	296.90	218.73	186.85	304.17	404.58	409.04	506.81	587.91	422.72
CRMS 3985	16.67	24.79	21.46	42.86	57.47	52.46	37.28	30.01	22.66	20.70	24.96	19.90
CRMS 0258	162.43	276.04	198.08	82.93	58.94	28.88	41.42	66.31	165.56	219.48	320.39	254.45
CRMS 0224	183.11	280.63	209.68	121.31	101.35	67.12	80.53	131.13	169.36	199.66	311.68	293.75
CRMS 0163	65.11	53.28	14.63	12.79	12.98	11.72	17.10	29.93	30.18	77.55	60.12	15.87
CRMS 0162	132.43	173.68	38.89	67.78	33.33	21.36	14.56	36.32	216.15	380.53	243.42	33.78

V3PR3 HYST - cy 2 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.30	20.02	11.86	11.35	12.59	11.60	13.03	15.85	18.42	20.00	20.76	11.91
CRMS0276 - Just east of Wilkinson Canal	205.76	321.64	182.93	68.62	37.47	25.19	43.15	142.40	228.75	344.14	409.68	195.01
Barataria Waterway at Lafitte (USACE82875)	66.75	67.79	22.48	12.99	13.00	11.71	14.63	26.46	27.73	72.51	102.67	30.47
USGS2928590900040000 Barataria Waterway South of Lafitte	18.79	50.38	14.33	11.46	12.61	11.53	12.89	17.69	49.31	52.50	80.28	12.35
USGS7380251 Barataria Bay North of Grand Isle	15.16	29.59	15.01	11.76	12.58	11.69	11.50	13.57	16.80	21.77	38.98	16.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	74.21	139.96	29.45	15.73	14.98	12.87	12.58	61.13	92.42	117.69	197.06	35.21
USGS 07380335 - Little Lake Near Cutoff	153.76	225.52	56.05	25.32	19.34	15.01	16.78	120.98	154.67	216.76	308.50	80.38
USGS073802516 Barataria Pass at Grand Isle	113.13	202.03	60.35	39.58	34.47	28.38	25.04	130.96	135.42	179.10	226.91	83.52
HWQ14 - Lake Washington	26.08	54.08	24.29	21.18	24.34	18.39	11.95	28.21	48.93	51.04	73.34	35.95
HWQ16 - Bayou Grand Liard	439.31	474.58	275.34	175.06	114.47	106.69	212.47	372.50	397.04	507.24	564.84	323.58
CRMS 3985	14.70	18.81	14.94	12.05	12.42	11.94	10.81	10.65	12.28	16.07	21.93	18.55
CRMS 0258	46.08	193.78	80.97	29.61	21.40	13.09	11.74	26.83	136.45	209.36	287.93	111.34
CRMS 0224	69.83	195.41	69.08	26.88	20.10	13.22	12.26	54.97	136.85	184.43	268.44	99.64
CRMS 0163	61.47	50.34	14.59	12.65	12.91	11.70	16.16	28.49	29.22	69.17	60.23	16.03
CRMS 0162	133.39	164.47	41.48	65.54	31.91	22.07	14.95	34.53	185.89	322.43	245.39	33.96

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-58.51	-95.30	-80.21	-88.65	-75.64	-48.29	-35.45	-33.67	-47.58	-46.38	-89.33	-112.50
CRMS0276 - Just east of Wilkinson Canal	-50.61	-19.09	-11.09	-19.03	-15.47	-10.18	-53.18	-44.25	-2.88	1.58	-10.58	-4.17
Barataria Waterway at Lafitte (USACE82875)	-6.36	-4.53	-0.90	-0.17	-0.04	-0.02	-0.52	-1.85	-1.06	-6.18	-5.07	0.13
USGS2928590900040000 Barataria Waterway South of Lafitte	-94.63	-122.51	-136.46	-95.64	-72.74	-42.06	-43.40	-46.85	-49.99	-58.54	-98.40	-181.52
USGS7380251 Barataria Bay North of Grand Isle	-18.18	-21.20	-24.48	-57.26	-63.06	-47.18	-30.33	-24.12	-13.11	-7.56	-16.63	-30.65
USGS73802515 Hackberry Bay Northwest of Grand Isle	-90.64	-78.79	-104.44	-118.34	-112.64	-82.84	-73.94	-79.36	-27.53	-15.48	-51.94	-181.50
USGS 07380335 - Little Lake Near Cutoff	-100.08	-77.81	-138.82	-128.93	-122.26	-87.49	-97.21	-80.33	-23.28	-7.61	-42.52	-207.95
USGS073802516 Barataria Pass at Grand Isle	-88.27	-71.64	-102.38	-138.46	-141.32	-109.69	-111.99	-86.14	-19.84	-5.81	-35.60	-171.10
HWQ14 - Lake Washington	-36.75	-35.07	-33.10	-82.30	-99.25	-80.08	-60.40	-58.68	-12.46	-2.65	-16.48	-58.03
HWQ16 - Bayou Grand Liard	-52.95	-37.42	-101.13	-121.84	-104.25	-80.16	-91.71	-32.08	-12.01	0.43	-23.06	-99.14
CRMS 3985	-1.97	-5.98	-6.52	-30.81	-45.06	-40.52	-26.47	-19.37	-10.38	-4.64	-3.03	-1.35
CRMS 0258	-116.35	-82.26	-117.11	-53.32	-37.54	-15.79	-29.68	-39.48	-29.11	-10.12	-32.47	-143.12
CRMS 0224	-113.29	-85.22	-140.61	-94.43	-81.25	-53.90	-68.27	-76.16	-32.50	-15.23	-43.24	-194.11
CRMS 0163	-3.64	-2.93	-0.03	-0.14	-0.07	-0.01	-0.93	-1.44	-0.96	-8.38	0.11	0.15
CRMS 0162	0.96	-9.21	2.59	-2.25	-1.42	0.71	0.40	-1.78	-30.27	-58.09	1.96	0.18

Figure WQ SO4 90 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.62	78.29	70.45	75.05	76.39	65.65	57.44	48.04	76.50	76.48	97.22	106.36
CRMS0276 - Just east of Wilkinson Canal	173.24	183.18	92.34	70.88	89.76	140.27	196.64	327.36	295.95	377.31	287.37	108.17
Barataria Waterway at Lafitte (USACE82875)	25.72	28.71	12.82	12.16	15.15	21.33	39.69	68.41	36.33	78.32	49.39	15.20
USGS2928590900040000 Barataria Waterway South of Lafitte	95.04	111.23	98.79	76.15	77.21	71.63	70.65	69.65	130.53	133.98	160.34	150.93
USGS7380251 Barataria Bay North of Grand Isle	40.44	40.27	38.47	59.44	65.46	53.97	41.47	27.62	27.08	29.83	49.14	49.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	140.33	149.39	107.32	112.81	117.86	105.95	113.25	160.72	143.00	150.21	219.81	175.16
USGS 07380335 - Little Lake Near Cutoff	198.52	205.09	142.74	130.29	139.97	130.06	173.15	290.04	216.94	250.58	303.09	216.54
USGS073802516 Barataria Pass at Grand Isle	173.64	195.26	135.20	155.43	176.21	175.75	190.15	271.24	185.49	205.11	234.86	204.35
HWQ14 - Lake Washington	69.76	68.48	58.61	92.21	109.75	96.49	79.35	63.81	62.86	57.31	82.76	90.69
HWQ16 - Bayou Grand Liard	393.13	381.94	287.96	270.82	262.04	299.48	446.21	571.40	470.44	529.13	491.41	328.58
CRMS 3985	24.09	23.40	22.60	41.27	50.55	46.21	33.51	21.63	19.28	20.05	21.53	24.88
CRMS 0258	107.45	140.32	104.54	60.60	60.55	61.49	78.28	116.35	239.28	263.44	238.82	168.73
CRMS 0224	147.64	180.03	132.54	94.73	99.78	99.46	118.15	177.03	225.67	234.19	277.11	210.85
CRMS 0163	19.97	21.09	11.42	12.04	14.27	23.00	55.55	68.47	37.93	72.18	24.75	12.00
CRMS 0162	47.24	78.21	23.92	55.83	92.67	70.86	38.89	164.16	312.14	341.71	97.17	21.27

V3PR4 HYST - cy 2 - 1985 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.91	13.79	10.98	11.00	12.69	14.79	16.61	18.25	18.75	19.01	13.68	10.92
CRMS0276 - Just east of Wilkinson Canal	84.08	160.27	66.97	47.72	62.11	108.92	138.79	292.15	274.65	357.69	253.05	80.18
Barataria Waterway at Lafitte (USACE82875)	22.22	28.43	12.87	11.87	14.93	20.01	34.97	60.19	32.58	69.89	47.61	15.03
USGS2928590900040000 Barataria Waterway South of Lafitte	11.84	14.51	10.98	10.99	12.60	15.00	15.63	26.98	59.80	49.41	13.72	10.91
USGS7380251 Barataria Bay North of Grand Isle	11.59	13.27	11.03	10.81	12.05	12.78	12.02	16.77	19.12	25.01	17.16	11.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.35	30.70	11.76	11.47	13.64	20.79	39.02	146.23	115.21	125.75	51.39	11.62
USGS 07380335 - Little Lake Near Cutoff	25.77	65.40	14.92	13.50	16.42	30.09	86.37	274.40	187.40	230.61	120.36	15.39
USGS073802516 Barataria Pass at Grand Isle	20.82	72.88	19.54	18.70	29.89	59.75	106.33	267.95	164.18	193.65	99.44	22.60
HWQ14 - Lake Washington	12.24	18.03	12.19	12.79	19.14	24.45	25.36	64.39	57.19	59.75	35.31	16.39
HWQ16 - Bayou Grand Liard	242.82	294.94	127.21	112.83	136.12	220.54	391.01	556.72	446.59	515.92	398.51	157.85
CRMS 3985	11.63	12.02	11.05	10.50	11.37	11.99	10.86	11.13	14.86	18.80	18.40	13.11
CRMS 0258	12.43	37.22	14.73	14.90	17.31	28.21	20.44	63.36	204.48	225.32	93.14	16.33
CRMS 0224	13.93	44.91	14.35	13.68	16.36	28.48	36.11	138.97	188.84	200.08	89.45	16.56
CRMS 0163	18.44	21.80	11.41	12.02	14.20	20.84	48.17	63.94	33.42	64.43	24.33	11.84
CRMS 0162	51.99	84.78	25.92	56.89	95.49	67.39	32.37	127.43	241.07	271.64	101.61	20.78

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-55.71	-64.50	-59.47	-64.05	-63.69	-50.86	-40.83	-29.79	-57.75	-57.47	-83.54	-95.44
CRMS0276 - Just east of Wilkinson Canal	-89.16	-22.92	-25.37	-23.16	-27.65	-31.34	-57.85	-35.20	-21.30	-19.62	-34.32	-27.99
Barataria Waterway at Lafitte (USACE82875)	-3.50	-0.28	0.05	-0.29	-0.22	-1.32	-4.72	-8.23	-3.75	-8.43	-1.77	-0.17
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.20	-96.72	-87.80	-65.15	-64.61	-56.62	-55.02	-42.67	-70.73	-84.57	-146.62	-140.02
USGS7380251 Barataria Bay North of Grand Isle	-28.86	-26.99	-27.44	-48.63	-53.41	-41.19	-29.45	-10.85	-7.96	-4.82	-31.98	-38.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	-126.98	-118.70	-95.56	-101.34	-104.21	-85.16	-74.23	-14.49	-27.79	-24.46	-168.42	-163.54
USGS 07380335 - Little Lake Near Cutoff	-172.75	-139.70	-127.83	-116.78	-123.55	-99.97	-86.78	-15.64	-29.53	-19.97	-182.74	-201.15
USGS073802516 Barataria Pass at Grand Isle	-152.82	-122.38	-115.66	-136.73	-146.32	-115.99	-83.83	-3.30	-21.32	-11.46	-135.41	-181.74
HWQ14 - Lake Washington	-57.51	-50.45	-46.42	-79.42	-90.61	-72.04	-53.99	0.57	-5.67	2.43	-47.46	-74.30
HWQ16 - Bayou Grand Liard	-150.32	-87.00	-160.76	-158.00	-125.92	-78.94	-55.19	-14.68	-23.84	-13.21	-92.90	-170.72
CRMS 3985	-12.45	-11.37	-11.56	-30.77	-39.19	-34.22	-22.65	-10.50	-4.41	-1.25	-3.13	-11.77
CRMS 0258	-95.02	-103.09	-89.81	-45.71	-43.24	-33.28	-57.84	-52.99	-34.80	-38.12	-145.68	-152.40
CRMS 0224	-133.71	-135.12	-118.19	-81.05	-83.42	-70.98	-82.05	-38.05	-36.83	-34.11	-187.66	-194.29
CRMS 0163	-1.53	0.71	-0.01	-0.02	-0.08	-2.16	-7.38	-4.52	-4.51	-7.75	-0.43	-0.16
CRMS 0162	4.75	6.57	2.00	1.06	2.82	-3.47	-6.52	-36.74	-71.07	-70.08	4.44	-0.49

Figure WQ SO4 91 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	79.92	101.72	79.40	74.83	74.25	55.41	53.43	43.67	68.77	74.69	117.99	131.71
CRMS0276 - Just east of Wilkinson Canal	281.32	142.13	77.91	73.98	54.51	102.25	203.80	281.32	302.30	403.94	417.68	278.08
Barataria Waterway at Lafitte (USACE82875)	66.72	19.70	11.91	12.34	11.56	19.71	36.34	55.72	41.20	115.07	100.49	45.82
USGS2928590900040000 Barataria Waterway South of Lafitte	124.64	146.53	105.61	76.22	71.17	53.64	64.31	63.58	118.06	131.44	193.44	208.22
USGS7380251 Barataria Bay North of Grand Isle	40.74	49.68	43.73	59.92	65.70	51.63	40.15	25.39	24.93	29.43	58.44	53.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	181.54	183.26	110.54	112.76	112.78	93.24	111.56	139.57	131.92	152.63	259.39	222.55
USGS 07380335 - Little Lake Near Cutoff	273.23	231.33	139.51	130.89	127.91	112.71	172.42	246.52	205.52	257.97	362.61	305.43
USGS073802516 Barataria Pass at Grand Isle	220.63	222.86	136.32	153.88	160.44	155.06	191.69	238.83	172.79	209.58	271.87	264.14
HWQ14 - Lake Washington	72.73	87.33	65.65	92.65	109.60	88.40	75.51	60.19	57.13	56.87	94.50	95.16
HWQ16 - Bayou Grand Liard	506.37	352.29	273.53	270.04	216.84	273.91	445.44	509.07	463.78	548.40	585.66	478.82
CRMS 3985	22.79	26.11	24.53	41.85	51.19	45.12	31.88	19.92	18.64	19.91	26.11	27.14
CRMS 0258	175.60	173.07	91.30	62.87	49.29	39.19	70.70	104.82	226.48	275.74	350.04	275.18
CRMS 0224	207.34	215.75	126.55	96.01	88.31	74.51	113.99	156.13	211.16	237.16	331.27	310.13
CRMS 0163	50.92	13.75	11.20	11.89	11.37	23.93	43.46	58.73	45.32	114.79	54.40	25.32
CRMS 0162	80.41	52.22	25.29	55.25	43.67	54.96	21.28	137.60	392.67	481.52	222.33	54.75

V3PR4 HYST - cy 2 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.54	11.46	10.85	10.93	10.99	15.18	15.89	17.60	19.16	20.20	20.12	14.88
CRMS0276 - Just east of Wilkinson Canal	217.52	111.92	48.83	49.52	32.17	74.98	157.92	247.85	290.18	378.85	398.59	258.26
Barataria Waterway at Lafitte (USACE82875)	62.94	19.72	11.82	12.03	11.35	18.15	31.83	48.77	36.24	82.52	91.70	43.68
USGS2928590900040000 Barataria Waterway South of Lafitte	16.35	11.48	10.84	10.93	10.96	14.09	15.86	24.48	56.92	54.23	86.11	55.62
USGS7380251 Barataria Bay North of Grand Isle	15.62	11.94	10.80	10.78	10.89	11.28	11.63	16.38	18.79	24.84	41.14	25.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	39.15	15.89	11.33	11.36	11.37	21.18	49.54	125.95	113.27	132.22	202.81	89.95
USGS 07380335 - Little Lake Near Cutoff	98.84	29.81	13.57	13.45	12.46	33.35	103.50	225.33	188.26	240.46	316.26	163.00
USGS073802516 Barataria Pass at Grand Isle	76.56	36.83	16.74	17.93	19.17	60.88	123.66	230.60	162.59	197.70	232.91	148.09
HWQ14 - Lake Washington	23.59	14.90	11.24	12.54	15.53	18.40	28.42	63.03	55.57	58.90	78.02	52.88
HWQ16 - Bayou Grand Liard	421.93	201.80	114.23	111.54	84.50	215.13	398.55	483.01	448.26	528.71	561.48	408.05
CRMS 3985	14.71	12.29	10.76	10.46	10.75	10.35	9.76	10.53	14.62	18.58	23.67	20.69
CRMS 0258	44.34	27.04	12.34	15.16	13.09	16.49	26.77	57.71	194.44	242.58	302.96	177.21
CRMS 0224	49.70	27.36	12.40	13.93	12.41	19.73	50.11	118.86	181.01	209.24	277.91	168.80
CRMS 0163	48.30	13.81	11.14	11.66	11.24	21.93	38.59	54.32	38.53	80.01	52.22	25.36
CRMS 0162	84.28	55.63	28.05	52.20	41.78	54.93	22.03	108.97	329.80	401.91	222.81	53.36

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-65.38	-90.25	-68.55	-63.90	-63.26	-40.23	-37.54	-26.07	-49.61	-54.49	-97.87	-116.83
CRMS0276 - Just east of Wilkinson Canal	-63.80	-30.21	-29.08	-24.45	-22.34	-27.27	-45.88	-33.46	-12.12	-25.08	-19.09	-19.82
Barataria Waterway at Lafitte (USACE82875)	-3.77	0.02	-0.09	-0.31	-0.21	-1.56	-4.51	-6.95	-4.96	-32.55	-8.80	-2.13
USGS2928590900040000 Barataria Waterway South of Lafitte	-108.29	-135.06	-94.77	-65.29	-60.20	-39.55	-48.45	-39.10	-61.14	-77.21	-107.32	-152.60
USGS7380251 Barataria Bay North of Grand Isle	-25.12	-37.74	-32.93	-49.14	-54.80	-40.35	-28.52	-9.01	-6.14	-4.60	-17.30	-27.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	-142.39	-167.38	-99.20	-101.40	-101.41	-72.06	-62.02	-13.62	-18.66	-20.41	-56.58	-132.59
USGS 07380335 - Little Lake Near Cutoff	-174.39	-201.51	-125.94	-117.45	-115.44	-79.37	-68.92	-21.20	-17.26	-17.50	-46.36	-142.43
USGS073802516 Barataria Pass at Grand Isle	-144.07	-186.03	-119.59	-135.95	-141.27	-94.18	-68.03	-8.23	-10.20	-11.88	-38.96	-116.05
HWQ14 - Lake Washington	-49.14	-72.42	-54.41	-80.11	-94.07	-70.00	-47.08	2.84	-1.56	2.03	-16.48	-42.28
HWQ16 - Bayou Grand Liard	-84.44	-150.48	-159.31	-158.50	-132.34	-58.78	-46.88	-26.06	-15.52	-19.68	-24.18	-70.78
CRMS 3985	-8.08	-13.82	-13.77	-31.39	-40.44	-34.78	-22.12	-9.39	-4.02	-1.33	-2.44	-6.46
CRMS 0258	-131.26	-146.03	-78.96	-47.71	-36.20	-22.71	-43.93	-47.12	-32.04	-33.16	-47.08	-97.97
CRMS 0224	-157.64	-188.39	-114.15	-82.07	-75.90	-54.78	-63.88	-37.27	-30.15	-27.92	-53.37	-141.33
CRMS 0163	-2.62	0.07	-0.05	-0.23	-0.13	-2.00	-4.88	-4.41	-6.79	-34.78	-2.18	0.04
CRMS 0162	3.88	3.40	2.75	-3.05	-1.88	-0.03	0.74	-28.63	-62.86	-79.61	0.48	-1.39

Figure WQ SO4 92 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	82.54	123.94	90.44	114.35	123.98	102.60	55.03	45.60	83.69	90.20	113.73	113.13
CRMS0276 - Just east of Wilkinson Canal	384.04	220.98	235.38	181.13	165.75	209.24	272.89	376.15	398.60	403.88	349.74	280.03
Barataria Waterway at Lafitte (USACE82875)	127.32	37.56	36.23	29.22	27.38	36.77	75.98	99.36	196.12	83.13	72.91	53.63
USGS2928590900040000 Barataria Waterway South of Lafitte	126.16	183.50	135.97	139.83	146.03	118.46	75.53	68.10	147.59	164.09	191.50	174.30
USGS7380251 Barataria Bay North of Grand Isle	39.40	57.29	39.46	63.10	76.39	62.83	30.18	24.47	27.50	32.64	55.03	46.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	203.32	225.56	130.43	153.47	158.38	132.90	90.67	184.88	169.29	178.47	243.00	196.92
USGS 07380335 - Little Lake Near Cutoff	321.53	290.30	192.93	196.19	196.29	167.68	174.77	329.90	271.85	289.82	335.81	277.68
USGS073802516 Barataria Pass at Grand Isle	247.64	272.39	163.15	206.86	230.87	217.10	180.90	309.12	218.06	234.28	255.56	243.44
HWQ14 - Lake Washington	72.21	102.18	57.29	97.15	123.65	106.74	51.57	65.22	66.83	65.41	90.29	83.62
HWQ16 - Bayou Grand Liard	594.03	440.25	420.30	388.96	350.29	372.65	533.76	614.77	545.93	552.44	538.62	477.68
CRMS 3985	22.32	28.30	22.03	33.77	47.28	47.52	23.73	19.35	19.49	20.51	23.07	24.74
CRMS 0258	210.72	236.23	192.87	137.87	131.65	127.41	114.51	121.64	299.30	349.65	298.99	234.13
CRMS 0224	226.51	278.24	189.33	170.44	173.74	145.06	121.19	191.77	272.37	288.58	315.10	270.14
CRMS 0163	97.95	25.60	25.61	29.61	22.45	45.75	94.62	109.22	224.22	66.82	38.15	37.21
CRMS 0162	166.93	82.30	105.70	157.58	127.56	106.56	181.83	412.92	629.83	276.37	132.45	60.29

V3PR4 HYST - cy 2 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.69	14.41	15.82	16.58	14.57	17.34	18.79	19.62	20.50	19.06	18.09	17.22
CRMS0276 - Just east of Wilkinson Canal	337.58	190.09	217.00	159.51	144.91	186.09	255.01	352.02	363.24	362.12	323.03	256.90
Barataria Waterway at Lafitte (USACE82875)	113.53	36.54	34.58	27.44	25.64	35.24	67.64	85.70	110.65	67.01	65.38	48.41
USGS2928590900040000 Barataria Waterway South of Lafitte	36.75	15.18	22.61	26.78	15.58	25.78	20.34	28.63	68.30	57.09	80.22	61.65
USGS7380251 Barataria Bay North of Grand Isle	20.93	16.22	17.62	20.53	20.43	21.62	20.09	21.57	24.34	25.04	35.57	27.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	124.30	49.17	56.99	63.59	37.01	61.68	85.91	161.00	139.68	127.30	180.07	122.27
USGS 07380335 - Little Lake Near Cutoff	245.72	102.15	109.84	102.87	62.57	93.81	175.86	303.81	236.05	234.56	278.72	208.36
USGS073802516 Barataria Pass at Grand Isle	181.88	111.62	103.28	118.45	106.79	146.77	191.50	293.17	196.39	188.42	207.07	181.10
HWQ14 - Lake Washington	43.93	33.47	32.88	46.10	58.16	58.31	53.14	71.56	65.22	53.55	67.03	55.29
HWQ16 - Bayou Grand Liard	553.37	356.51	372.79	319.47	266.63	335.73	527.06	598.13	515.41	516.00	505.07	437.88
CRMS 3985	14.75	15.85	14.64	16.48	20.83	19.51	17.22	16.96	18.95	19.51	21.23	19.02
CRMS 0258	133.52	87.21	88.68	82.11	67.72	77.44	59.18	81.45	249.48	279.22	241.92	182.38
CRMS 0224	148.42	89.00	86.86	81.72	67.56	74.52	90.40	157.39	228.21	226.61	247.83	195.66
CRMS 0163	89.64	25.18	25.18	27.47	22.16	44.23	87.43	91.45	124.91	57.65	36.16	34.36
CRMS 0162	156.87	85.44	99.20	154.04	132.89	102.88	146.58	366.97	583.23	176.48	133.39	59.60

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-64.85	-109.53	-74.62	-97.77	-109.41	-85.26	-36.23	-25.99	-63.19	-71.14	-95.64	-95.91
CRMS0276 - Just east of Wilkinson Canal	-46.46	-30.89	-18.38	-21.62	-20.85	-23.15	-17.88	-24.13	-35.36	-41.76	-26.72	-23.13
Barataria Waterway at Lafitte (USACE82875)	-13.79	-1.02	-1.65	-1.78	-1.73	-1.53	-8.34	-13.66	-85.47	-16.12	-7.52	-5.22
USGS2928590900040000 Barataria Waterway South of Lafitte	-89.42	-168.32	-113.36	-113.05	-130.45	-92.68	-55.20	-39.47	-79.29	-107.01	-111.27	-112.65
USGS7380251 Barataria Bay North of Grand Isle	-18.47	-41.07	-21.84	-42.58	-55.96	-41.21	-10.09	-2.90	-3.16	-7.60	-19.46	-19.18
USGS73802515 Hackberry Bay Northwest of Grand Isle	-79.02	-176.39	-73.44	-89.88	-121.37	-71.22	-4.76	-23.88	-29.61	-51.17	-62.93	-74.66
USGS 07380335 - Little Lake Near Cutoff	-75.81	-188.16	-83.09	-93.32	-133.72	-73.87	1.09	-26.10	-35.80	-55.26	-57.09	-69.32
USGS073802516 Barataria Pass at Grand Isle	-65.76	-160.78	-59.88	-88.41	-124.09	-70.33	10.60	-15.95	-21.67	-45.86	-48.50	-62.34
HWQ14 - Lake Washington	-28.27	-68.70	-24.41	-51.05	-65.50	-48.43	1.56	6.34	-1.62	-11.85	-23.26	-28.33
HWQ16 - Bayou Grand Liard	-40.67	-83.75	-47.51	-69.48	-83.67	-36.91	-6.70	-16.65	-30.52	-36.43	-33.55	-39.79
CRMS 3985	-7.57	-12.45	-7.39	-17.29	-26.45	-28.00	-6.51	-2.38	-0.53	-1.00	-1.85	-5.72
CRMS 0258	-77.20	-149.02	-104.20	-55.76	-63.92	-49.97	-55.33	-40.20	-49.82	-70.43	-57.08	-51.75
CRMS 0224	-78.09	-189.24	-102.47	-88.73	-106.19	-70.55	-30.79	-34.38	-44.16	-61.97	-67.27	-74.48
CRMS 0163	-8.32	-0.42	-0.43	-2.14	-0.29	-1.52	-7.18	-17.77	-99.31	-9.16	-1.99	-2.85
CRMS 0162	-10.06	3.15	-6.50	-3.54	5.32	-3.68	-35.25	-45.95	-46.60	-99.89	0.94	-0.69

Figure WQ SO4 93 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	84.63	106.89	85.70	91.07	94.69	75.71	56.75	46.89	53.79	58.17	104.85	129.93
CRMS0276 - Just east of Wilkinson Canal	327.18	116.28	105.13	94.99	96.72	69.03	120.64	174.48	209.64	321.88	406.16	359.82
Barataria Waterway at Lafitte (USACE82875)	61.34	16.28	14.95	13.70	17.34	12.82	16.49	23.13	25.73	63.44	104.16	72.52
USGS2928590900040000 Barataria Waterway South of Lafitte	136.51	150.58	108.87	97.09	98.73	75.48	68.67	64.05	81.92	98.61	169.62	201.34
USGS7380251 Barataria Bay North of Grand Isle	42.74	54.12	51.60	70.56	78.85	64.20	45.88	34.40	24.64	26.34	53.44	50.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	198.50	186.24	124.10	135.01	139.58	113.89	102.02	126.55	100.31	123.26	238.52	226.65
USGS 07380335 - Little Lake Near Cutoff	298.17	226.31	156.59	156.37	162.56	127.69	134.47	184.52	154.57	211.23	338.31	324.04
USGS073802516 Barataria Pass at Grand Isle	241.77	222.92	154.11	181.67	199.32	168.59	158.18	199.67	134.42	173.26	252.51	274.71
HWQ14 - Lake Washington	78.73	94.70	77.04	106.89	127.37	110.06	82.95	76.74	51.46	48.23	86.12	90.30
HWQ16 - Bayou Grand Liard	521.01	328.46	312.13	309.42	281.50	238.17	328.89	381.85	388.36	489.59	577.11	531.24
CRMS 3985	23.32	28.14	30.88	49.26	60.08	55.13	39.52	27.40	19.51	18.97	24.86	26.00
CRMS 0258	211.60	168.72	88.70	84.46	80.40	46.76	53.59	67.33	135.13	209.35	305.53	323.75
CRMS 0224	236.70	209.22	132.31	122.05	123.24	92.39	98.90	127.05	146.12	187.09	297.81	317.92
CRMS 0163	36.13	12.20	13.55	16.25	15.75	13.09	17.90	22.91	27.40	58.99	65.93	45.72
CRMS 0162	56.17	35.38	49.70	81.73	90.13	36.88	15.35	31.81	160.34	209.30	263.45	111.08

V3PR4 HYST - cy 2 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.37	11.76	12.04	12.44	13.16	14.79	17.06	18.20	20.36	18.15
CRMS0276 - Just east of Wilkinson Canal	212.69	85.27	66.81	66.33	70.27	39.99	43.48	93.54	190.34	308.23	394.82	342.08
Barataria Waterway at Lafitte (USACE82875)	56.95	15.68	14.72	13.38	16.98	12.65	15.79	21.46	23.68	57.00	99.35	68.27
USGS2928590900040000 Barataria Waterway South of Lafitte	13.03	10.96	12.35	11.69	12.05	12.37	13.05	14.89	33.66	42.49	76.50	71.31
USGS7380251 Barataria Bay North of Grand Isle	15.49	11.55	12.02	11.39	12.06	11.75	11.87	12.84	14.58	19.30	35.91	29.63
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.78	13.99	13.43	12.95	13.95	12.82	12.63	28.62	71.04	106.25	186.45	144.32
USGS 07380335 - Little Lake Near Cutoff	76.66	24.56	17.91	17.25	18.49	14.59	14.61	53.44	125.66	199.50	294.33	250.47
USGS073802516 Barataria Pass at Grand Isle	65.91	32.43	21.69	25.46	34.74	26.64	20.87	63.93	108.21	163.89	216.70	210.01
HWQ14 - Lake Washington	26.61	15.14	12.36	15.01	22.38	16.58	11.62	16.47	37.98	45.22	68.53	61.32
HWQ16 - Bayou Grand Liard	385.89	172.33	164.61	146.56	142.09	130.25	208.14	291.01	366.25	483.55	558.66	498.06
CRMS 3985	16.62	12.56	11.53	11.09	11.89	11.31	11.15	11.35	11.55	14.46	20.50	20.83
CRMS 0258	53.21	20.92	14.43	20.32	21.67	14.09	12.34	18.46	98.59	184.95	265.39	267.38
CRMS 0224	45.08	21.52	15.23	18.25	20.38	13.84	12.55	26.22	104.03	165.03	250.33	237.26
CRMS 0163	35.13	12.10	13.40	16.04	15.43	12.88	16.83	21.76	25.49	52.55	64.63	43.92
CRMS 0162	59.43	36.94	52.12	78.45	87.33	37.92	16.02	32.08	138.04	148.09	258.15	88.72

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-71.98	-95.92	-73.32	-79.31	-82.65	-63.27	-43.59	-32.09	-36.73	-39.97	-84.50	-111.78
CRMS0276 - Just east of Wilkinson Canal	-114.50	-31.01	-38.32	-28.66	-26.46	-29.04	-77.16	-80.94	-19.30	-13.65	-11.35	-17.74
Barataria Waterway at Lafitte (USACE82875)	-4.40	-0.59	-0.23	-0.32	-0.36	-0.17	-0.70	-1.68	-2.05	-6.44	-4.81	-4.25
USGS2928590900040000 Barataria Waterway South of Lafitte	-123.47	-139.62	-96.52	-85.39	-86.68	-63.11	-55.62	-49.17	-48.26	-56.12	-93.12	-130.03
USGS7380251 Barataria Bay North of Grand Isle	-27.25	-42.57	-39.58	-59.17	-66.80	-52.45	-34.02	-21.56	-10.06	-7.04	-17.53	-20.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	-168.72	-172.26	-110.66	-122.06	-125.64	-101.07	-89.39	-97.94	-29.27	-17.01	-52.07	-82.34
USGS 07380335 - Little Lake Near Cutoff	-221.51	-201.75	-138.67	-139.12	-144.07	-113.09	-119.86	-131.08	-28.90	-11.73	-43.97	-73.57
USGS073802516 Barataria Pass at Grand Isle	-175.86	-190.49	-132.42	-156.21	-164.59	-141.95	-137.31	-135.74	-26.21	-9.37	-35.81	-64.70
HWQ14 - Lake Washington	-52.12	-79.56	-64.68	-91.88	-104.99	-93.48	-71.33	-60.26	-13.48	-3.02	-17.59	-28.99
HWQ16 - Bayou Grand Liard	-135.12	-156.14	-147.52	-162.86	-139.41	-107.92	-120.75	-90.84	-22.11	-6.05	-18.46	-33.18
CRMS 3985	-6.70	-15.58	-19.35	-38.16	-48.19	-43.82	-28.36	-16.06	-7.96	-4.51	-4.36	-5.17
CRMS 0258	-158.39	-147.80	-74.27	-64.14	-58.73	-32.66	-41.25	-48.88	-36.54	-24.40	-40.14	-56.37
CRMS 0224	-191.62	-187.70	-117.07	-103.80	-102.86	-78.55	-86.35	-100.84	-42.09	-22.07	-47.48	-80.66
CRMS 0163	-1.00	-0.10	-0.16	-0.21	-0.33	-0.21	-1.07	-1.14	-1.91	-6.44	-1.31	-1.80
CRMS 0162	3.26	1.56	2.42	-3.28	-2.80	1.05	0.68	0.27	-22.29	-61.21	-5.30	-22.36

Figure WQ SO4 94 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	74.81	115.32	92.08	100.00	88.22	59.90	48.48	49.52	66.01	66.38	110.08	124.41
CRMS0276 - Just east of Wilkinson Canal	256.37	340.73	194.02	87.64	52.94	35.37	96.32	186.65	231.63	342.56	420.26	199.18
Barataria Waterway at Lafitte (USACE82875)	73.12	72.33	23.38	13.15	13.04	11.73	15.15	28.31	28.79	78.68	107.74	30.34
USGS2928590900040000 Barataria Waterway South of Lafitte	113.42	172.89	150.78	107.10	85.35	53.59	56.28	64.54	99.30	111.04	178.69	193.88
USGS7380251 Barataria Bay North of Grand Isle	33.34	50.78	39.48	69.02	75.63	58.88	41.83	37.70	29.91	29.33	55.61	47.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	164.85	218.75	133.88	134.07	127.63	95.72	86.52	140.49	119.95	133.18	248.99	216.71
USGS 07380335 - Little Lake Near Cutoff	253.84	303.33	194.87	154.25	141.59	102.51	113.99	201.31	177.95	224.36	351.01	288.33
USGS073802516 Barataria Pass at Grand Isle	201.40	273.67	162.73	178.04	175.79	138.07	137.03	217.10	155.26	184.91	262.51	254.62
HWQ14 - Lake Washington	62.83	89.15	57.39	103.48	123.59	98.47	72.35	86.89	61.38	53.69	89.82	93.97
HWQ16 - Bayou Grand Liard	492.26	512.00	376.47	296.90	218.73	186.85	304.17	404.58	409.04	506.81	587.91	422.72
CRMS 3985	16.67	24.79	21.46	42.86	57.47	52.46	37.28	30.01	22.66	20.70	24.96	19.90
CRMS 0258	162.43	276.04	198.08	82.93	58.94	28.88	41.42	66.31	165.56	219.48	320.39	254.45
CRMS 0224	183.11	280.63	209.68	121.31	101.35	67.12	80.53	131.13	169.36	199.66	311.68	293.75
CRMS 0163	65.11	53.28	14.63	12.79	12.98	11.72	17.10	29.93	30.18	77.55	60.12	15.87
CRMS 0162	132.43	173.68	38.89	67.78	33.33	21.36	14.56	36.32	216.15	380.53	243.42	33.78

V3PR4 HYST - cy 2 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.23	19.19	11.85	11.35	12.59	11.61	13.04	15.77	17.73	19.54	20.03	11.91
CRMS0276 - Just east of Wilkinson Canal	195.58	315.74	165.01	59.51	32.34	20.94	34.84	127.20	218.79	334.37	404.55	179.52
Barataria Waterway at Lafitte (USACE82875)	63.93	66.37	22.03	12.85	12.95	11.71	14.45	24.51	26.59	70.23	99.60	29.37
USGS2928590900040000 Barataria Waterway South of Lafitte	17.74	49.45	13.22	11.34	12.57	11.57	12.92	17.15	40.71	46.16	74.60	11.99
USGS7380251 Barataria Bay North of Grand Isle	14.39	28.36	14.33	11.42	12.41	11.41	11.52	13.10	16.21	21.12	36.54	15.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	67.45	136.14	24.02	12.52	13.04	11.73	12.23	53.68	86.25	113.24	188.79	24.68
USGS 07380335 - Little Lake Near Cutoff	143.08	222.39	41.89	16.27	14.53	12.38	14.12	105.31	145.34	210.87	302.61	51.85
USGS073802516 Barataria Pass at Grand Isle	104.49	199.64	48.25	24.76	22.21	18.65	17.95	116.63	126.84	172.85	221.76	62.35
HWQ14 - Lake Washington	23.34	52.99	21.77	16.38	18.38	13.98	10.53	25.22	45.54	49.37	70.67	31.81
HWQ16 - Bayou Grand Liard	426.24	470.26	227.27	134.53	88.42	88.94	192.04	343.08	385.88	497.08	562.12	278.70
CRMS 3985	14.25	18.40	14.42	11.53	12.09	11.48	10.74	10.42	11.91	15.75	21.37	17.62
CRMS 0258	35.20	184.75	61.09	18.30	15.72	11.92	11.96	24.83	126.23	199.88	277.44	79.32
CRMS 0224	61.42	188.49	52.09	16.46	14.75	11.78	12.07	47.91	126.82	177.73	260.69	69.38
CRMS 0163	59.51	49.35	14.50	12.60	12.90	11.70	15.95	25.87	28.20	68.12	57.32	15.68
CRMS 0162	130.40	152.59	40.44	65.73	30.11	23.25	15.09	34.74	156.67	306.08	233.97	34.82

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-58.58	-96.12	-80.22	-88.65	-75.63	-48.29	-35.45	-33.74	-48.28	-46.84	-90.05	-112.50
CRMS0276 - Just east of Wilkinson Canal	-60.79	-24.99	-29.01	-28.13	-20.61	-14.43	-61.48	-59.45	-12.84	-8.19	-15.72	-19.66
Barataria Waterway at Lafitte (USACE82875)	-9.19	-5.96	-1.35	-0.31	-0.09	-0.02	-0.70	-3.80	-2.20	-8.45	-8.14	-0.97
USGS2928590900040000 Barataria Waterway South of Lafitte	-95.68	-123.44	-137.57	-95.76	-72.78	-42.02	-43.36	-47.39	-58.59	-64.87	-104.08	-181.89
USGS7380251 Barataria Bay North of Grand Isle	-18.95	-22.43	-25.16	-57.60	-63.22	-47.47	-30.31	-24.59	-13.70	-8.21	-19.07	-32.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	-97.39	-82.60	-109.87	-121.54	-114.59	-83.99	-74.29	-86.81	-33.70	-19.93	-60.20	-192.02
USGS 07380335 - Little Lake Near Cutoff	-110.76	-80.94	-152.98	-137.99	-127.07	-90.13	-99.87	-96.00	-32.60	-13.50	-48.40	-236.48
USGS073802516 Barataria Pass at Grand Isle	-96.92	-74.04	-114.48	-153.28	-153.58	-119.42	-119.07	-100.47	-28.42	-12.06	-40.75	-192.27
HWQ14 - Lake Washington	-39.49	-36.16	-35.62	-87.10	-105.21	-84.49	-61.82	-61.67	-15.85	-4.32	-19.15	-62.16
HWQ16 - Bayou Grand Liard	-66.02	-41.74	-149.20	-162.37	-130.30	-97.91	-112.13	-61.50	-23.16	-9.74	-25.78	-144.03
CRMS 3985	-2.42	-6.39	-7.04	-31.34	-45.38	-40.98	-26.54	-19.60	-10.75	-4.95	-3.59	-2.27
CRMS 0258	-127.23	-91.30	-136.98	-64.63	-43.22	-16.95	-29.46	-41.48	-39.33	-19.59	-42.96	-175.13
CRMS 0224	-121.70	-92.14	-157.59	-104.86	-86.60	-55.34	-68.47	-83.22	-42.54	-21.93	-50.99	-224.37
CRMS 0163	-5.60	-3.92	-0.13	-0.19	-0.08	-0.02	-1.15	-4.06	-1.98	-9.44	-2.80	-0.20
CRMS 0162	-2.02	-21.10	1.55	-2.06	-3.22	1.88	0.54	-1.58	-59.49	-74.45	-9.45	1.04

Figure WQ SO4 95 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.62	78.29	70.45	75.05	76.39	65.65	57.44	48.04	76.50	76.48	97.22	106.36
CRMS0276 - Just east of Wilkinson Canal	173.24	183.18	92.34	70.88	89.76	140.27	196.64	327.36	295.95	377.31	287.37	108.17
Barataria Waterway at Lafitte (USACE82875)	25.72	28.71	12.82	12.16	15.15	21.33	39.69	68.41	36.33	78.32	49.39	15.20
USGS2928590900040000 Barataria Waterway South of Lafitte	95.04	111.23	98.79	76.15	77.21	71.63	70.65	69.65	130.53	133.98	160.34	150.93
USGS7380251 Barataria Bay North of Grand Isle	40.44	40.27	38.47	59.44	65.46	53.97	41.47	27.62	27.08	29.83	49.14	49.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	140.33	149.39	107.32	112.81	117.86	105.95	113.25	160.72	143.00	150.21	219.81	175.16
USGS 07380335 - Little Lake Near Cutoff	198.52	205.09	142.74	130.29	139.97	130.06	173.15	290.04	216.94	250.58	303.09	216.54
USGS073802516 Barataria Pass at Grand Isle	173.64	195.26	135.20	155.43	176.21	175.75	190.15	271.24	185.49	205.11	234.86	204.35
HWQ14 - Lake Washington	69.76	68.48	58.61	92.21	109.75	96.49	79.35	63.81	62.86	57.31	82.76	90.69
HWQ16 - Bayou Grand Liard	393.13	381.94	287.96	270.82	262.04	299.48	446.21	571.40	470.44	529.13	491.41	328.58
CRMS 3985	24.09	23.40	22.60	41.27	50.55	46.21	33.51	21.63	19.28	20.05	21.53	24.88
CRMS 0258	107.45	140.32	104.54	60.60	60.55	61.49	78.28	116.35	239.28	263.44	238.82	168.73
CRMS 0224	147.64	180.03	132.54	94.73	99.78	99.46	118.15	177.03	225.67	234.19	277.11	210.85
CRMS 0163	19.97	21.09	11.42	12.04	14.27	23.00	55.55	68.47	37.93	72.18	24.75	12.00
CRMS 0162	47.24	78.21	23.92	55.83	92.67	70.86	38.89	164.16	312.14	341.71	97.17	21.27

V3PR5 HYST - cy 2 - 1985 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.91	13.79	10.98	11.00	12.69	14.79	16.62	18.35	19.08	19.03	13.67	10.92
CRMS0276 - Just east of Wilkinson Canal	81.25	158.80	66.02	47.40	60.54	106.65	138.78	284.33	279.68	363.63	254.90	79.12
Barataria Waterway at Lafitte (USACE82875)	21.69	28.02	12.83	11.82	14.54	19.73	33.87	59.35	32.60	69.52	48.55	15.02
USGS2928590900040000 Barataria Waterway South of Lafitte	11.83	14.54	10.99	10.99	12.60	15.20	15.79	27.87	65.38	55.14	13.84	10.91
USGS7380251 Barataria Bay North of Grand Isle	11.56	13.23	11.02	10.82	12.07	12.80	12.04	17.12	19.58	25.09	16.80	11.52
USGS73802515 Hackberry Bay Northwest of Grand Isle	13.30	30.19	11.70	11.48	13.59	20.39	38.79	144.86	118.44	127.49	50.70	11.61
USGS 07380335 - Little Lake Near Cutoff	25.40	64.33	14.84	13.62	16.12	29.58	86.10	267.97	192.93	233.53	120.38	15.34
USGS073802516 Barataria Pass at Grand Isle	20.43	70.47	19.37	18.87	29.13	58.40	105.60	265.44	168.43	196.63	96.77	22.38
HWQ14 - Lake Washington	12.11	17.69	12.11	12.80	19.14	23.90	25.02	64.98	58.30	60.47	33.76	15.97
HWQ16 - Bayou Grand Liard	239.27	290.58	130.88	114.09	133.38	220.39	391.12	546.33	453.89	521.65	398.45	155.72
CRMS 3985	11.54	11.97	11.03	10.51	11.40	12.01	10.86	11.21	15.08	19.03	17.93	12.90
CRMS 0258	12.40	36.76	14.79	15.16	17.21	27.68	20.34	62.48	204.56	232.54	95.86	16.54
CRMS 0224	13.90	44.49	14.41	13.82	16.25	28.13	35.87	137.08	191.79	205.40	91.27	16.85
CRMS 0163	18.09	21.45	11.39	11.81	13.87	20.39	46.72	63.64	34.57	63.49	24.58	11.82
CRMS 0162	50.37	83.49	24.49	58.33	96.77	70.24	31.46	129.34	250.21	267.08	102.27	20.73

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-55.71	-64.50	-59.47	-64.05	-63.69	-50.86	-40.82	-29.69	-57.42	-57.45	-83.55	-95.44
CRMS0276 - Just east of Wilkinson Canal	-91.98	-24.39	-26.32	-23.48	-29.21	-33.61	-57.86	-43.02	-16.26	-13.68	-32.47	-29.04
Barataria Waterway at Lafitte (USACE82875)	-4.03	-0.69	0.01	-0.34	-0.61	-1.60	-5.82	-9.07	-3.73	-8.80	-0.84	-0.18
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.21	-96.69	-87.80	-65.15	-64.61	-56.43	-54.86	-41.78	-65.15	-78.84	-146.51	-140.02
USGS7380251 Barataria Bay North of Grand Isle	-28.89	-27.04	-27.45	-48.63	-53.39	-41.17	-29.43	-10.50	-7.49	-4.74	-32.35	-38.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	-127.03	-119.20	-95.62	-101.32	-104.26	-85.55	-74.46	-15.87	-24.57	-22.72	-169.11	-163.55
USGS 07380335 - Little Lake Near Cutoff	-173.12	-140.76	-127.91	-116.67	-123.85	-100.48	-87.05	-22.07	-24.01	-17.05	-182.72	-201.20
USGS073802516 Barataria Pass at Grand Isle	-153.21	-124.78	-115.82	-136.57	-147.09	-117.34	-84.55	-5.80	-17.06	-8.48	-138.08	-181.97
HWQ14 - Lake Washington	-57.65	-50.80	-46.50	-79.41	-90.61	-72.59	-54.32	1.16	-4.55	3.15	-49.01	-74.72
HWQ16 - Bayou Grand Liard	-153.86	-91.36	-157.08	-156.73	-128.66	-79.09	-55.09	-25.07	-16.55	-7.47	-92.96	-172.86
CRMS 3985	-12.55	-11.43	-11.57	-30.76	-39.15	-34.20	-22.65	-10.42	-4.19	-1.02	-3.60	-11.98
CRMS 0258	-95.05	-103.56	-89.74	-45.45	-43.34	-33.81	-57.94	-53.87	-34.72	-30.90	-142.97	-152.19
CRMS 0224	-133.74	-135.54	-118.13	-80.92	-83.53	-71.33	-82.28	-39.95	-33.88	-28.79	-185.85	-194.00
CRMS 0163	-1.88	0.37	-0.03	-0.23	-0.41	-2.62	-8.83	-4.83	-3.36	-8.70	-0.17	-0.18
CRMS 0162	3.13	5.28	0.57	2.51	4.10	-0.62	-7.43	-34.82	-61.93	-74.63	5.10	-0.54

Figure WQ SO4 96 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	79.92	101.72	79.40	74.83	74.25	55.41	53.43	43.67	68.77	74.69	117.99	131.71
CRMS0276 - Just east of Wilkinson Canal	281.32	142.13	77.91	73.98	54.51	102.25	203.80	281.32	302.30	403.94	417.68	278.08
Barataria Waterway at Lafitte (USACE82875)	66.72	19.70	11.91	12.34	11.56	19.71	36.34	55.72	41.20	115.07	100.49	45.82
USGS2928590900040000 Barataria Waterway South of Lafitte	124.64	146.53	105.61	76.22	71.17	53.64	64.31	63.58	118.06	131.44	193.44	208.22
USGS7380251 Barataria Bay North of Grand Isle	40.74	49.68	43.73	59.92	65.70	51.63	40.15	25.39	24.93	29.43	58.44	53.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	181.54	183.26	110.54	112.76	112.78	93.24	111.56	139.57	131.92	152.63	259.39	222.55
USGS 07380335 - Little Lake Near Cutoff	273.23	231.33	139.51	130.89	127.91	112.71	172.42	246.52	205.52	257.97	362.61	305.43
USGS073802516 Barataria Pass at Grand Isle	220.63	222.86	136.32	153.88	160.44	155.06	191.69	238.83	172.79	209.58	271.87	264.14
HWQ14 - Lake Washington	72.73	87.33	65.65	92.65	109.60	88.40	75.51	60.19	57.13	56.87	94.50	95.16
HWQ16 - Bayou Grand Liard	506.37	352.29	273.53	270.04	216.84	273.91	445.44	509.07	463.78	548.40	585.66	478.82
CRMS 3985	22.79	26.11	24.53	41.85	51.19	45.12	31.88	19.92	18.64	19.91	26.11	27.14
CRMS 0258	175.60	173.07	91.30	62.87	49.29	39.19	70.70	104.82	226.48	275.74	350.04	275.18
CRMS 0224	207.34	215.75	126.55	96.01	88.31	74.51	113.99	156.13	211.16	237.16	331.27	310.13
CRMS 0163	50.92	13.75	11.20	11.89	11.37	23.93	43.46	58.73	45.32	114.79	54.40	25.32
CRMS 0162	80.41	52.22	25.29	55.25	43.67	54.96	21.28	137.60	392.67	481.52	222.33	54.75

V3PR5 HYST - cy 2 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.53	11.46	10.85	10.93	10.99	15.18	15.89	17.68	19.35	20.25	20.67	15.08
CRMS0276 - Just east of Wilkinson Canal	209.01	110.76	48.38	50.47	32.24	77.15	158.32	246.32	284.63	379.10	398.87	254.41
Barataria Waterway at Lafitte (USACE82875)	60.84	19.56	11.77	12.03	11.33	18.07	31.51	48.38	35.86	83.21	91.76	42.83
USGS2928590900040000 Barataria Waterway South of Lafitte	16.40	11.49	10.84	10.93	10.96	14.14	16.04	25.29	60.46	60.53	88.57	58.33
USGS7380251 Barataria Bay North of Grand Isle	15.12	11.86	10.79	10.77	10.90	11.31	11.65	16.43	18.66	24.59	39.07	23.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	37.34	15.79	11.32	11.35	11.41	21.18	48.97	125.95	111.61	131.21	200.98	89.54
USGS 07380335 - Little Lake Near Cutoff	94.85	29.70	13.52	13.44	12.57	32.92	102.15	225.80	185.90	238.69	313.86	162.01
USGS073802516 Barataria Pass at Grand Isle	73.25	36.81	16.29	18.37	19.65	61.00	122.73	230.68	160.53	197.93	230.09	146.41
HWQ14 - Lake Washington	22.47	14.57	11.10	12.44	15.61	18.48	28.19	62.45	54.44	58.67	75.51	50.20
HWQ16 - Bayou Grand Liard	410.35	204.12	112.41	117.09	87.50	212.00	398.56	485.64	449.60	528.55	560.52	405.29
CRMS 3985	14.14	12.12	10.71	10.44	10.75	10.38	9.78	10.57	14.59	18.47	21.15	18.93
CRMS 0258	43.69	26.91	12.36	15.28	13.20	16.75	26.96	58.18	192.53	242.14	301.16	176.92
CRMS 0224	48.71	27.40	12.47	14.01	12.48	19.78	49.89	119.00	179.69	209.13	276.11	168.57
CRMS 0163	46.76	13.82	11.12	11.65	11.24	21.57	37.68	54.11	37.22	80.54	51.96	24.55
CRMS 0162	83.69	55.36	25.60	50.94	42.70	59.20	21.97	106.61	321.22	395.36	222.72	53.40

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-65.39	-90.25	-68.55	-63.90	-63.26	-40.23	-37.54	-25.99	-49.42	-54.45	-97.32	-116.63
CRMS0276 - Just east of Wilkinson Canal	-72.31	-31.37	-29.53	-23.51	-22.27	-25.10	-45.49	-35.00	-17.67	-24.84	-18.81	-23.67
Barataria Waterway at Lafitte (USACE82875)	-5.87	-0.14	-0.14	-0.31	-0.23	-1.64	-4.83	-7.34	-5.34	-31.86	-8.73	-2.99
USGS2928590900040000 Barataria Waterway South of Lafitte	-108.24	-135.04	-94.77	-65.29	-60.21	-39.50	-48.27	-38.29	-57.60	-70.91	-104.87	-149.88
USGS7380251 Barataria Bay North of Grand Isle	-25.63	-37.82	-32.95	-49.14	-54.80	-40.32	-28.50	-8.96	-6.28	-4.85	-19.38	-29.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	-144.20	-167.47	-99.22	-101.41	-101.38	-72.05	-62.59	-13.62	-20.32	-21.42	-58.41	-133.01
USGS 07380335 - Little Lake Near Cutoff	-178.38	-201.63	-125.99	-117.45	-115.33	-79.80	-70.27	-20.73	-19.62	-19.28	-48.75	-143.42
USGS073802516 Barataria Pass at Grand Isle	-147.38	-186.05	-120.03	-135.51	-140.79	-94.06	-68.96	-8.15	-12.26	-11.65	-41.78	-117.73
HWQ14 - Lake Washington	-50.26	-72.75	-54.55	-80.21	-93.98	-69.92	-47.32	2.26	-2.70	1.80	-18.99	-44.96
HWQ16 - Bayou Grand Liard	-96.02	-148.17	-161.13	-152.95	-129.34	-61.90	-46.88	-23.43	-14.18	-19.85	-25.14	-73.53
CRMS 3985	-8.64	-13.99	-13.81	-31.40	-40.44	-34.75	-22.09	-9.36	-4.05	-1.44	-4.96	-8.22
CRMS 0258	-131.91	-146.16	-78.94	-47.59	-36.09	-22.44	-43.74	-46.64	-33.95	-33.60	-48.87	-98.26
CRMS 0224	-158.63	-188.34	-114.08	-82.00	-75.83	-54.73	-64.09	-37.13	-31.47	-28.03	-55.17	-141.57
CRMS 0163	-4.16	0.08	-0.08	-0.24	-0.13	-2.36	-5.79	-4.63	-8.10	-34.25	-2.44	-0.77
CRMS 0162	3.29	3.14	0.31	-4.31	-0.96	4.24	0.68	-30.98	-71.45	-86.16	0.39	-1.35

Figure WQ SO4 97 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	82.54	123.94	90.44	114.35	123.98	102.60	55.03	45.60	83.69	90.20	113.73	113.13
CRMS0276 - Just east of Wilkinson Canal	384.04	220.98	235.38	181.13	165.75	209.24	272.89	376.15	398.60	403.88	349.74	280.03
Barataria Waterway at Lafitte (USACE82875)	127.32	37.56	36.23	29.22	27.38	36.77	75.98	99.36	196.12	83.13	72.91	53.63
USGS2928590900040000 Barataria Waterway South of Lafitte	126.16	183.50	135.97	139.83	146.03	118.46	75.53	68.10	147.59	164.09	191.50	174.30
USGS7380251 Barataria Bay North of Grand Isle	39.40	57.29	39.46	63.10	76.39	62.83	30.18	24.47	27.50	32.64	55.03	46.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	203.32	225.56	130.43	153.47	158.38	132.90	90.67	184.88	169.29	178.47	243.00	196.92
USGS 07380335 - Little Lake Near Cutoff	321.53	290.30	192.93	196.19	196.29	167.68	174.77	329.90	271.85	289.82	335.81	277.68
USGS073802516 Barataria Pass at Grand Isle	247.64	272.39	163.15	206.86	230.87	217.10	180.90	309.12	218.06	234.28	255.56	243.44
HWQ14 - Lake Washington	72.21	102.18	57.29	97.15	123.65	106.74	51.57	65.22	66.83	65.41	90.29	83.62
HWQ16 - Bayou Grand Liard	594.03	440.25	420.30	388.96	350.29	372.65	533.76	614.77	545.93	552.44	538.62	477.68
CRMS 3985	22.32	28.30	22.03	33.77	47.28	47.52	23.73	19.35	19.49	20.51	23.07	24.74
CRMS 0258	210.72	236.23	192.87	137.87	131.65	127.41	114.51	121.64	299.30	349.65	298.99	234.13
CRMS 0224	226.51	278.24	189.33	170.44	173.74	145.06	121.19	191.77	272.37	288.58	315.10	270.14
CRMS 0163	97.95	25.60	25.61	29.61	22.45	45.75	94.62	109.22	224.22	66.82	38.15	37.21
CRMS 0162	166.93	82.30	105.70	157.58	127.56	106.56	181.83	412.92	629.83	276.37	132.45	60.29

V3PR5 HYST - cy 2 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.83	14.40	15.84	16.50	14.58	17.40	18.79	19.58	20.66	19.25	18.92	17.49
CRMS0276 - Just east of Wilkinson Canal	332.27	187.46	212.80	158.77	141.07	180.38	253.12	361.08	360.30	363.75	330.48	256.04
Barataria Waterway at Lafitte (USACE82875)	112.20	36.22	34.18	27.04	25.49	33.51	66.43	90.08	112.31	68.49	67.04	48.32
USGS2928590900040000 Barataria Waterway South of Lafitte	37.88	15.45	22.94	27.57	16.19	26.24	20.55	30.05	74.43	66.91	85.26	67.96
USGS7380251 Barataria Bay North of Grand Isle	21.32	16.13	17.49	20.39	20.26	21.31	19.78	20.61	22.74	25.83	37.53	27.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	123.71	48.46	55.90	62.81	36.24	60.72	84.20	160.07	137.78	134.03	184.29	124.44
USGS 07380335 - Little Lake Near Cutoff	243.68	100.61	107.32	103.63	61.28	92.06	174.60	307.46	233.36	244.87	285.63	211.59
USGS073802516 Barataria Pass at Grand Isle	180.46	109.62	100.90	118.69	105.59	145.04	189.41	295.86	195.69	196.21	214.13	183.02
HWQ14 - Lake Washington	44.34	33.17	32.18	46.18	57.86	57.59	51.88	70.68	64.18	56.97	71.06	56.49
HWQ16 - Bayou Grand Liard	546.32	353.66	369.11	322.35	262.86	329.18	528.58	608.35	514.19	521.34	515.07	438.23
CRMS 3985	15.05	15.86	14.65	16.48	20.72	19.33	17.06	16.43	18.26	19.89	22.35	19.40
CRMS 0258	135.00	86.89	86.84	81.01	67.96	75.65	58.10	83.65	252.00	281.04	246.82	185.46
CRMS 0224	149.31	88.73	85.71	82.46	67.92	73.21	88.97	162.52	227.28	231.62	254.72	199.88
CRMS 0163	88.08	25.06	25.01	26.78	21.57	41.59	85.95	96.60	127.23	58.38	36.49	34.29
CRMS 0162	155.76	85.61	104.56	156.63	122.14	94.76	149.18	362.30	589.43	191.25	134.52	58.79

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-64.71	-109.54	-74.60	-97.85	-109.40	-85.20	-36.23	-26.03	-63.04	-70.95	-94.81	-95.64
CRMS0276 - Just east of Wilkinson Canal	-51.77	-33.52	-22.58	-22.35	-24.68	-28.86	-19.77	-15.07	-38.30	-40.13	-19.26	-23.99
Barataria Waterway at Lafitte (USACE82875)	-15.12	-1.34	-2.05	-2.18	-1.89	-3.27	-9.55	-9.28	-83.81	-14.64	-5.87	-5.30
USGS2928590900040000 Barataria Waterway South of Lafitte	-88.29	-168.05	-113.03	-112.26	-129.84	-92.22	-54.98	-38.05	-73.16	-97.18	-106.24	-106.34
USGS7380251 Barataria Bay North of Grand Isle	-18.07	-41.16	-21.97	-42.71	-56.13	-41.52	-10.39	-3.86	-4.76	-6.81	-17.50	-18.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	-79.61	-177.10	-74.53	-90.66	-122.14	-72.19	-6.48	-24.82	-31.51	-44.43	-58.70	-72.48
USGS 07380335 - Little Lake Near Cutoff	-77.85	-189.69	-85.62	-92.56	-135.01	-75.62	-0.16	-22.44	-38.50	-44.95	-50.18	-66.09
USGS073802516 Barataria Pass at Grand Isle	-67.18	-162.78	-62.25	-88.17	-125.28	-72.05	8.51	-13.26	-22.37	-38.07	-41.43	-60.42
HWQ14 - Lake Washington	-27.87	-69.01	-25.11	-50.97	-65.79	-49.15	0.31	5.46	-2.65	-8.44	-19.22	-27.13
HWQ16 - Bayou Grand Liard	-47.71	-86.59	-51.19	-66.61	-87.43	-43.47	-5.19	-6.42	-31.75	-31.09	-23.54	-39.44
CRMS 3985	-7.27	-12.45	-7.39	-17.29	-26.56	-28.19	-6.67	-2.92	-1.22	-0.62	-0.73	-5.34
CRMS 0258	-75.72	-149.33	-106.03	-56.86	-63.68	-51.76	-56.41	-37.99	-47.30	-68.60	-52.17	-48.67
CRMS 0224	-77.20	-189.51	-103.63	-87.99	-105.83	-71.85	-32.21	-29.25	-45.09	-56.96	-60.39	-70.26
CRMS 0163	-9.87	-0.55	-0.59	-2.84	-0.88	-4.16	-8.67	-12.62	-96.99	-8.43	-1.66	-2.92
CRMS 0162	-11.17	3.31	-1.14	-0.95	-5.42	-11.80	-32.65	-50.62	-40.40	-85.12	2.06	-1.50

Figure WQ SO4 98 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	84.63	106.89	85.70	91.07	94.69	75.71	56.75	46.89	53.79	58.17	104.85	129.93
CRMS0276 - Just east of Wilkinson Canal	327.18	116.28	105.13	94.99	96.72	69.03	120.64	174.48	209.64	321.88	406.16	359.82
Barataria Waterway at Lafitte (USACE82875)	61.34	16.28	14.95	13.70	17.34	12.82	16.49	23.13	25.73	63.44	104.16	72.52
USGS2928590900040000 Barataria Waterway South of Lafitte	136.51	150.58	108.87	97.09	98.73	75.48	68.67	64.05	81.92	98.61	169.62	201.34
USGS7380251 Barataria Bay North of Grand Isle	42.74	54.12	51.60	70.56	78.85	64.20	45.88	34.40	24.64	26.34	53.44	50.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	198.50	186.24	124.10	135.01	139.58	113.89	102.02	126.55	100.31	123.26	238.52	226.65
USGS 07380335 - Little Lake Near Cutoff	298.17	226.31	156.59	156.37	162.56	127.69	134.47	184.52	154.57	211.23	338.31	324.04
USGS073802516 Barataria Pass at Grand Isle	241.77	222.92	154.11	181.67	199.32	168.59	158.18	199.67	134.42	173.26	252.51	274.71
HWQ14 - Lake Washington	78.73	94.70	77.04	106.89	127.37	110.06	82.95	76.74	51.46	48.23	86.12	90.30
HWQ16 - Bayou Grand Liard	521.01	328.46	312.13	309.42	281.50	238.17	328.89	381.85	388.36	489.59	577.11	531.24
CRMS 3985	23.32	28.14	30.88	49.26	60.08	55.13	39.52	27.40	19.51	18.97	24.86	26.00
CRMS 0258	211.60	168.72	88.70	84.46	80.40	46.76	53.59	67.33	135.13	209.35	305.53	323.75
CRMS 0224	236.70	209.22	132.31	122.05	123.24	92.39	98.90	127.05	146.12	187.09	297.81	317.92
CRMS 0163	36.13	12.20	13.55	16.25	15.75	13.09	17.90	22.91	27.40	58.99	65.93	45.72
CRMS 0162	56.17	35.38	49.70	81.73	90.13	36.88	15.35	31.81	160.34	209.30	263.45	111.08

V3PR5 HYST - cy 2 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.37	11.76	12.04	12.44	13.16	14.79	17.06	18.23	20.79	18.33
CRMS0276 - Just east of Wilkinson Canal	209.37	83.83	66.07	66.26	70.35	38.50	41.89	93.22	185.71	312.86	392.32	337.36
Barataria Waterway at Lafitte (USACE82875)	55.61	15.60	14.55	13.44	16.85	12.60	15.68	21.46	23.41	58.56	98.38	66.40
USGS2928590900040000 Barataria Waterway South of Lafitte	13.02	10.97	12.36	11.69	12.07	12.36	13.05	14.95	34.02	46.30	78.99	75.26
USGS7380251 Barataria Bay North of Grand Isle	15.35	11.51	12.05	11.40	12.07	11.79	11.91	12.85	14.42	19.10	36.41	29.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	29.29	13.89	14.16	12.99	14.05	12.79	12.63	28.08	69.11	105.24	188.26	143.19
USGS 07380335 - Little Lake Near Cutoff	75.26	24.18	19.43	17.32	18.79	14.52	14.54	52.05	121.00	199.37	296.04	248.82
USGS073802516 Barataria Pass at Grand Isle	64.25	31.33	23.22	26.26	35.48	26.54	20.67	63.64	105.36	164.04	220.52	208.63
HWQ14 - Lake Washington	26.13	14.92	12.40	15.22	22.89	16.52	11.59	16.49	37.52	44.89	70.60	61.05
HWQ16 - Bayou Grand Liard	380.65	169.57	164.89	148.09	142.32	128.59	204.38	287.60	354.19	486.78	556.13	495.37
CRMS 3985	16.52	12.47	11.54	11.11	11.92	11.35	11.21	11.42	11.50	14.40	20.96	20.92
CRMS 0258	53.29	20.89	14.53	20.27	21.86	14.01	12.34	18.36	95.42	184.25	265.63	265.11
CRMS 0224	45.19	21.48	15.78	18.36	20.65	13.85	12.53	25.91	100.87	165.78	251.29	235.49
CRMS 0163	34.35	12.04	13.36	15.88	15.47	12.85	16.75	21.85	24.92	53.39	62.58	42.59
CRMS 0162	58.99	36.60	51.43	78.22	87.03	40.37	16.14	32.00	125.42	149.40	258.20	88.84

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-71.98	-95.92	-73.32	-79.31	-82.65	-63.27	-43.59	-32.10	-36.73	-39.94	-84.07	-111.60
CRMS0276 - Just east of Wilkinson Canal	-117.82	-32.45	-39.06	-28.73	-26.37	-30.53	-78.75	-81.27	-23.94	-9.02	-13.84	-22.46
Barataria Waterway at Lafitte (USACE82875)	-5.73	-0.68	-0.40	-0.26	-0.49	-0.23	-0.81	-1.67	-2.32	-4.88	-5.79	-6.12
USGS2928590900040000 Barataria Waterway South of Lafitte	-123.48	-139.62	-96.51	-85.40	-86.66	-63.12	-55.61	-49.11	-47.89	-52.31	-90.63	-126.09
USGS7380251 Barataria Bay North of Grand Isle	-27.39	-42.61	-39.56	-59.16	-66.79	-52.41	-33.97	-21.55	-10.22	-7.23	-17.03	-20.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	-169.21	-172.36	-109.93	-122.02	-125.53	-101.09	-89.39	-98.48	-31.21	-18.02	-50.26	-83.46
USGS 07380335 - Little Lake Near Cutoff	-222.91	-202.13	-137.15	-139.04	-143.77	-113.17	-119.94	-132.47	-33.57	-11.87	-42.27	-75.22
USGS073802516 Barataria Pass at Grand Isle	-177.52	-191.59	-130.89	-155.41	-163.84	-142.05	-137.52	-136.03	-29.06	-9.22	-32.00	-66.08
HWQ14 - Lake Washington	-52.60	-79.78	-64.65	-91.67	-104.48	-93.54	-71.36	-60.24	-13.93	-3.34	-15.53	-29.25
HWQ16 - Bayou Grand Liard	-140.36	-158.89	-147.24	-161.32	-139.17	-109.58	-124.51	-94.25	-34.17	-2.81	-20.98	-35.87
CRMS 3985	-6.80	-15.67	-19.34	-38.15	-48.16	-43.78	-28.30	-15.98	-8.01	-4.57	-3.90	-5.08
CRMS 0258	-158.31	-147.83	-74.17	-64.19	-58.55	-32.75	-41.25	-48.98	-39.71	-25.10	-39.91	-58.64
CRMS 0224	-191.51	-187.73	-116.53	-103.68	-102.59	-78.53	-86.36	-101.14	-45.26	-21.31	-46.51	-82.43
CRMS 0163	-1.78	-0.16	-0.20	-0.37	-0.28	-0.23	-1.15	-1.06	-2.47	-5.59	-3.35	-3.13
CRMS 0162	2.82	1.22	1.73	-3.51	-3.09	3.49	0.79	0.19	-34.92	-59.90	-5.25	-22.24

Figure WQ SO4 99 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	74.81	115.32	92.08	100.00	88.22	59.90	48.48	49.52	66.01	66.38	110.08	124.41
CRMS0276 - Just east of Wilkinson Canal	256.37	340.73	194.02	87.64	52.94	35.37	96.32	186.65	231.63	342.56	420.26	199.18
Barataria Waterway at Lafitte (USACE82875)	73.12	72.33	23.38	13.15	13.04	11.73	15.15	28.31	28.79	78.68	107.74	30.34
USGS2928590900040000 Barataria Waterway South of Lafitte	113.42	172.89	150.78	107.10	85.35	53.59	56.28	64.54	99.30	111.04	178.69	193.88
USGS7380251 Barataria Bay North of Grand Isle	33.34	50.78	39.48	69.02	75.63	58.88	41.83	37.70	29.91	29.33	55.61	47.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	164.85	218.75	133.88	134.07	127.63	95.72	86.52	140.49	119.95	133.18	248.99	216.71
USGS 07380335 - Little Lake Near Cutoff	253.84	303.33	194.87	154.25	141.59	102.51	113.99	201.31	177.95	224.36	351.01	288.33
USGS073802516 Barataria Pass at Grand Isle	201.40	273.67	162.73	178.04	175.79	138.07	137.03	217.10	155.26	184.91	262.51	254.62
HWQ14 - Lake Washington	62.83	89.15	57.39	103.48	123.59	98.47	72.35	86.89	61.38	53.69	89.82	93.97
HWQ16 - Bayou Grand Liard	492.26	512.00	376.47	296.90	218.73	186.85	304.17	404.58	409.04	506.81	587.91	422.72
CRMS 3985	16.67	24.79	21.46	42.86	57.47	52.46	37.28	30.01	22.66	20.70	24.96	19.90
CRMS 0258	162.43	276.04	198.08	82.93	58.94	28.88	41.42	66.31	165.56	219.48	320.39	254.45
CRMS 0224	183.11	280.63	209.68	121.31	101.35	67.12	80.53	131.13	169.36	199.66	311.68	293.75
CRMS 0163	65.11	53.28	14.63	12.79	12.98	11.72	17.10	29.93	30.18	77.55	60.12	15.87
CRMS 0162	132.43	173.68	38.89	67.78	33.33	21.36	14.56	36.32	216.15	380.53	243.42	33.78

V3PR5 HYST - cy 2 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.21	19.32	11.86	11.35	12.59	11.61	13.04	15.79	17.80	19.56	20.47	11.91
CRMS0276 - Just east of Wilkinson Canal	191.78	315.00	166.02	58.35	32.24	21.15	33.43	130.49	216.66	334.94	404.91	180.38
Barataria Waterway at Lafitte (USACE82875)	62.89	66.40	22.24	12.80	12.97	11.71	14.26	24.55	26.49	70.53	100.96	29.45
USGS2928590900040000 Barataria Waterway South of Lafitte	17.76	50.69	13.94	11.35	12.56	11.57	12.92	17.58	43.49	51.06	78.39	12.03
USGS7380251 Barataria Bay North of Grand Isle	14.37	28.35	14.29	11.41	12.42	11.41	11.56	13.21	16.24	21.10	37.80	15.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	66.50	135.65	24.13	12.51	13.05	11.74	12.22	55.51	86.97	112.94	192.46	25.09
USGS 07380335 - Little Lake Near Cutoff	141.18	221.66	42.24	16.13	14.48	12.42	14.02	109.12	146.25	211.34	306.10	52.37
USGS073802516 Barataria Pass at Grand Isle	103.22	198.39	48.75	24.42	22.46	18.72	17.71	121.12	129.32	173.91	225.38	62.84
HWQ14 - Lake Washington	23.25	52.84	21.76	16.06	18.10	13.92	10.51	25.85	46.69	49.79	74.17	32.11
HWQ16 - Bayou Grand Liard	424.14	468.87	229.51	132.33	86.50	89.89	188.74	356.25	389.94	500.13	563.71	278.75
CRMS 3985	14.29	18.42	14.40	11.51	12.12	11.48	10.78	10.51	11.92	15.77	22.12	17.71
CRMS 0258	34.42	183.93	61.66	18.37	15.73	11.98	11.95	25.21	126.96	198.54	279.33	80.67
CRMS 0224	60.61	188.61	52.88	16.51	14.78	11.82	12.04	49.64	128.09	177.33	264.32	71.09
CRMS 0163	58.76	49.42	14.55	12.58	12.88	11.69	15.65	26.32	28.23	67.60	58.94	15.67
CRMS 0162	130.63	152.67	42.14	67.14	30.68	22.67	15.02	34.88	154.72	308.83	238.79	34.03

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-58.60	-96.00	-80.22	-88.65	-75.63	-48.29	-35.45	-33.73	-48.21	-46.82	-89.61	-112.50
CRMS0276 - Just east of Wilkinson Canal	-64.59	-25.73	-28.00	-29.30	-20.71	-14.23	-62.89	-56.17	-14.96	-7.62	-15.35	-18.80
Barataria Waterway at Lafitte (USACE82875)	-10.22	-5.93	-1.14	-0.35	-0.07	-0.02	-0.89	-3.76	-2.29	-8.15	-6.77	-0.89
USGS2928590900040000 Barataria Waterway South of Lafitte	-95.66	-122.20	-136.84	-95.75	-72.79	-42.02	-43.36	-46.95	-55.81	-59.98	-100.30	-181.84
USGS7380251 Barataria Bay North of Grand Isle	-18.97	-22.44	-25.19	-57.61	-63.22	-47.47	-30.27	-24.49	-13.67	-8.24	-17.81	-32.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	-98.35	-83.10	-109.75	-121.56	-114.58	-83.98	-74.30	-84.98	-32.99	-20.24	-56.53	-191.62
USGS 07380335 - Little Lake Near Cutoff	-112.66	-81.67	-152.63	-138.13	-127.11	-90.08	-99.97	-92.19	-31.69	-13.02	-44.91	-235.96
USGS073802516 Barataria Pass at Grand Isle	-98.19	-75.29	-113.98	-153.61	-153.33	-119.35	-119.32	-95.98	-25.94	-11.00	-37.13	-191.78
HWQ14 - Lake Washington	-39.58	-36.31	-35.63	-87.41	-105.48	-84.55	-61.84	-61.04	-14.70	-3.90	-15.65	-61.86
HWQ16 - Bayou Grand Liard	-68.13	-43.14	-146.96	-164.57	-132.23	-96.96	-115.43	-48.34	-19.10	-6.68	-24.20	-143.97
CRMS 3985	-2.38	-6.37	-7.06	-31.35	-45.36	-40.98	-26.50	-19.50	-10.74	-4.94	-2.83	-2.19
CRMS 0258	-128.01	-92.11	-136.42	-64.57	-43.21	-16.90	-29.47	-41.10	-38.60	-20.94	-41.07	-173.78
CRMS 0224	-122.51	-92.02	-156.80	-104.80	-86.57	-55.29	-68.49	-81.49	-41.27	-22.32	-47.36	-222.66
CRMS 0163	-6.35	-3.86	-0.08	-0.21	-0.10	-0.03	-1.44	-3.61	-1.95	-9.95	-1.18	-0.20
CRMS 0162	-1.79	-21.02	3.24	-0.64	-2.65	1.31	0.47	-1.43	-61.44	-71.70	-4.63	0.25

Figure WQ SO4 100 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.62	78.29	70.45	75.05	76.39	65.65	57.44	48.04	76.50	76.48	97.22	106.36
CRMS0276 - Just east of Wilkinson Canal	173.24	183.18	92.34	70.88	89.76	140.27	196.64	327.36	295.95	377.31	287.37	108.17
Barataria Waterway at Lafitte (USACE82875)	25.72	28.71	12.82	12.16	15.15	21.33	39.69	68.41	36.33	78.32	49.39	15.20
USGS2928590900040000 Barataria Waterway South of Lafitte	95.04	111.23	98.79	76.15	77.21	71.63	70.65	69.65	130.53	133.98	160.34	150.93
USGS7380251 Barataria Bay North of Grand Isle	40.44	40.27	38.47	59.44	65.46	53.97	41.47	27.62	27.08	29.83	49.14	49.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	140.33	149.39	107.32	112.81	117.86	105.95	113.25	160.72	143.00	150.21	219.81	175.16
USGS 07380335 - Little Lake Near Cutoff	198.52	205.09	142.74	130.29	139.97	130.06	173.15	290.04	216.94	250.58	303.09	216.54
USGS073802516 Barataria Pass at Grand Isle	173.64	195.26	135.20	155.43	176.21	175.75	190.15	271.24	185.49	205.11	234.86	204.35
HWQ14 - Lake Washington	69.76	68.48	58.61	92.21	109.75	96.49	79.35	63.81	62.86	57.31	82.76	90.69
HWQ16 - Bayou Grand Liard	393.13	381.94	287.96	270.82	262.04	299.48	446.21	571.40	470.44	529.13	491.41	328.58
CRMS 3985	24.09	23.40	22.60	41.27	50.55	46.21	33.51	21.63	19.28	20.05	21.53	24.88
CRMS 0258	107.45	140.32	104.54	60.60	60.55	61.49	78.28	116.35	239.28	263.44	238.82	168.73
CRMS 0224	147.64	180.03	132.54	94.73	99.78	99.46	118.15	177.03	225.67	234.19	277.11	210.85
CRMS 0163	19.97	21.09	11.42	12.04	14.27	23.00	55.55	68.47	37.93	72.18	24.75	12.00
CRMS 0162	47.24	78.21	23.92	55.83	92.67	70.86	38.89	164.16	312.14	341.71	97.17	21.27

V3PR6 HYST - cy 2 - 1985 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.92	13.78	10.98	11.01	12.71	14.77	16.50	18.25	18.29	18.90	13.73	10.92
CRMS0276 - Just east of Wilkinson Canal	50.39	136.80	39.73	32.40	41.35	87.67	120.84	285.94	270.41	353.44	226.44	50.98
Barataria Waterway at Lafitte (USACE82875)	21.02	29.29	13.36	11.99	14.99	19.65	33.56	59.39	31.56	69.62	52.15	16.51
USGS2928590900040000 Barataria Waterway South of Lafitte	11.87	13.89	10.98	11.00	12.60	14.16	15.21	26.53	58.85	55.08	13.73	10.92
USGS7380251 Barataria Bay North of Grand Isle	11.49	12.89	11.02	10.91	12.25	12.46	11.36	16.00	18.43	23.05	14.73	10.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.80	18.70	11.04	10.97	12.52	15.89	32.20	137.71	114.81	114.24	20.61	10.95
USGS 07380335 - Little Lake Near Cutoff	13.75	35.47	11.45	11.06	12.70	20.79	73.43	262.15	189.34	220.12	56.08	11.08
USGS073802516 Barataria Pass at Grand Isle	12.04	37.34	12.08	11.53	15.43	38.01	93.81	266.98	165.96	188.49	49.21	12.30
HWQ14 - Lake Washington	10.79	13.11	10.81	10.52	12.66	16.49	20.26	64.55	58.55	57.98	23.70	12.06
HWQ16 - Bayou Grand Liard	146.74	230.86	55.31	52.13	87.23	188.10	372.20	551.36	443.25	512.79	319.53	74.27
CRMS 3985	11.09	11.84	11.07	10.72	11.65	11.83	10.50	10.73	14.65	17.23	14.95	11.31
CRMS 0258	11.52	22.75	11.26	11.19	12.98	20.59	17.38	60.27	194.71	221.38	45.42	11.04
CRMS 0224	11.70	26.65	11.21	11.08	12.71	19.87	30.00	130.95	183.93	191.48	43.05	11.07
CRMS 0163	18.03	21.89	11.47	12.03	14.19	20.28	46.56	63.39	33.30	64.11	25.68	12.03
CRMS 0162	56.90	87.84	27.72	64.61	101.81	64.02	29.31	124.58	245.02	249.81	107.46	22.95

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-55.70	-64.51	-59.47	-64.05	-63.68	-50.88	-40.94	-29.79	-58.21	-57.58	-83.49	-95.44
CRMS0276 - Just east of Wilkinson Canal	-122.85	-46.39	-52.61	-38.47	-48.41	-52.60	-75.80	-41.42	-25.53	-23.87	-60.93	-57.19
Barataria Waterway at Lafitte (USACE82875)	-4.71	0.58	0.54	-0.17	-0.16	-1.68	-6.13	-9.03	-4.78	-8.70	2.76	1.31
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.17	-97.34	-87.80	-65.15	-64.61	-57.47	-55.44	-43.11	-71.68	-78.91	-146.61	-140.02
USGS7380251 Barataria Bay North of Grand Isle	-28.96	-27.37	-27.46	-48.53	-53.20	-41.50	-30.11	-11.62	-8.65	-6.78	-34.42	-39.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-128.52	-130.69	-96.28	-101.83	-105.33	-90.06	-81.05	-23.01	-28.20	-35.97	-199.20	-164.21
USGS 07380335 - Little Lake Near Cutoff	-184.77	-169.63	-131.30	-119.23	-127.27	-109.28	-99.72	-27.89	-27.59	-30.46	-247.01	-205.46
USGS073802516 Barataria Pass at Grand Isle	-161.60	-157.92	-123.11	-143.90	-160.78	-137.74	-96.34	-4.26	-19.53	-16.63	-185.65	-192.04
HWQ14 - Lake Washington	-58.97	-55.37	-47.80	-81.69	-97.09	-80.01	-59.09	0.74	-4.31	0.67	-59.07	-78.64
HWQ16 - Bayou Grand Liard	-246.40	-151.08	-232.65	-218.69	-174.81	-111.38	-74.00	-20.04	-27.18	-16.34	-171.89	-254.31
CRMS 3985	-12.99	-11.55	-11.54	-30.56	-38.90	-34.38	-23.01	-10.90	-4.63	-2.82	-6.59	-13.58
CRMS 0258	-95.93	-117.57	-93.28	-49.42	-47.57	-40.90	-60.91	-56.07	-44.58	-42.05	-193.40	-157.69
CRMS 0224	-135.94	-153.39	-121.33	-83.66	-87.07	-79.59	-88.15	-46.08	-41.74	-42.71	-234.07	-199.77
CRMS 0163	-1.94	0.81	0.05	-0.01	-0.09	-2.73	-8.99	-5.08	-4.63	-8.07	0.93	0.02
CRMS 0162	9.66	9.62	3.80	8.79	9.14	-6.84	-9.59	-39.58	-67.12	-91.91	10.30	1.69

Figure WQ SO4 101 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	79.92	101.72	79.40	74.83	74.25	55.41	53.43	43.67	68.77	74.69	117.99	131.71
CRMS0276 - Just east of Wilkinson Canal	281.32	142.13	77.91	73.98	54.51	102.25	203.80	281.32	302.30	403.94	417.68	278.08
Barataria Waterway at Lafitte (USACE82875)	66.72	19.70	11.91	12.34	11.56	19.71	36.34	55.72	41.20	115.07	100.49	45.82
USGS2928590900040000 Barataria Waterway South of Lafitte	124.64	146.53	105.61	76.22	71.17	53.64	64.31	63.58	118.06	131.44	193.44	208.22
USGS7380251 Barataria Bay North of Grand Isle	40.74	49.68	43.73	59.92	65.70	51.63	40.15	25.39	24.93	29.43	58.44	53.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	181.54	183.26	110.54	112.76	112.78	93.24	111.56	139.57	131.92	152.63	259.39	222.55
USGS 07380335 - Little Lake Near Cutoff	273.23	231.33	139.51	130.89	127.91	112.71	172.42	246.52	205.52	257.97	362.61	305.43
USGS073802516 Barataria Pass at Grand Isle	220.63	222.86	136.32	153.88	160.44	155.06	191.69	238.83	172.79	209.58	271.87	264.14
HWQ14 - Lake Washington	72.73	87.33	65.65	92.65	109.60	88.40	75.51	60.19	57.13	56.87	94.50	95.16
HWQ16 - Bayou Grand Liard	506.37	352.29	273.53	270.04	216.84	273.91	445.44	509.07	463.78	548.40	585.66	478.82
CRMS 3985	22.79	26.11	24.53	41.85	51.19	45.12	31.88	19.92	18.64	19.91	26.11	27.14
CRMS 0258	175.60	173.07	91.30	62.87	49.29	39.19	70.70	104.82	226.48	275.74	350.04	275.18
CRMS 0224	207.34	215.75	126.55	96.01	88.31	74.51	113.99	156.13	211.16	237.16	331.27	310.13
CRMS 0163	50.92	13.75	11.20	11.89	11.37	23.93	43.46	58.73	45.32	114.79	54.40	25.32
CRMS 0162	80.41	52.22	25.29	55.25	43.67	54.96	21.28	137.60	392.67	481.52	222.33	54.75

V3PR6 HYST - cy 2 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.47	11.50	10.85	10.94	10.99	15.14	15.81	17.61	18.84	19.94	20.06	14.93
CRMS0276 - Just east of Wilkinson Canal	181.61	86.07	26.39	33.04	19.28	67.48	154.80	244.05	282.17	375.74	401.26	241.18
Barataria Waterway at Lafitte (USACE82875)	62.64	21.65	11.94	12.04	11.41	17.65	31.75	48.14	35.19	82.50	91.56	44.18
USGS2928590900040000 Barataria Waterway South of Lafitte	14.93	11.51	10.85	10.93	10.97	13.81	15.49	24.41	55.91	59.56	88.92	57.42
USGS7380251 Barataria Bay North of Grand Isle	14.46	11.64	10.84	10.88	10.93	10.86	10.45	16.11	19.21	24.30	40.50	23.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.97	11.79	10.86	10.93	10.95	17.09	43.31	122.45	114.97	127.20	198.56	77.24
USGS 07380335 - Little Lake Near Cutoff	55.22	14.51	11.08	11.02	10.97	26.82	95.08	220.24	190.23	234.91	309.87	136.35
USGS073802516 Barataria Pass at Grand Isle	48.72	17.07	11.21	11.19	11.36	47.26	119.05	236.09	167.66	199.18	234.34	126.35
HWQ14 - Lake Washington	18.70	12.34	10.54	10.49	10.96	12.38	24.63	65.56	60.40	59.74	79.13	49.38
HWQ16 - Bayou Grand Liard	368.08	117.48	49.54	45.96	42.26	196.83	395.52	482.61	444.39	527.89	564.91	367.29
CRMS 3985	13.90	11.88	10.82	10.71	10.85	10.10	9.16	10.37	14.88	18.78	23.85	19.15
CRMS 0258	28.58	13.96	10.91	11.18	11.06	13.69	24.74	56.95	186.45	238.54	302.72	156.17
CRMS 0224	31.99	13.72	10.90	11.07	10.99	15.90	44.79	114.52	177.75	204.10	279.42	148.19
CRMS 0163	47.67	14.47	11.17	11.66	11.26	20.71	37.74	52.69	37.42	79.58	51.93	25.63
CRMS 0162	87.40	61.30	29.80	56.45	47.77	58.65	21.69	96.35	308.40	371.81	221.57	52.53

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-65.45	-90.21	-68.54	-63.90	-63.26	-40.27	-37.62	-26.06	-49.93	-54.75	-97.93	-116.78
CRMS0276 - Just east of Wilkinson Canal	-99.71	-56.06	-51.52	-40.94	-35.23	-34.77	-49.00	-37.26	-20.13	-28.20	-16.42	-36.90
Barataria Waterway at Lafitte (USACE82875)	-4.08	1.96	0.03	-0.30	-0.15	-2.07	-4.59	-7.58	-6.01	-32.56	-8.93	-1.63
USGS2928590900040000 Barataria Waterway South of Lafitte	-109.71	-135.02	-94.76	-65.29	-60.19	-39.82	-48.82	-39.17	-62.15	-71.88	-104.52	-150.79
USGS7380251 Barataria Bay North of Grand Isle	-26.28	-38.04	-32.89	-49.03	-54.77	-40.77	-29.71	-9.28	-5.72	-5.14	-17.94	-29.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	-155.57	-171.47	-99.67	-101.83	-101.83	-76.15	-68.25	-17.11	-16.95	-25.43	-60.82	-145.31
USGS 07380335 - Little Lake Near Cutoff	-218.01	-216.81	-128.44	-119.87	-116.93	-85.89	-77.34	-26.28	-15.29	-23.06	-52.74	-169.08
USGS073802516 Barataria Pass at Grand Isle	-171.91	-205.80	-125.12	-142.69	-149.07	-107.80	-72.64	-2.74	-5.13	-10.40	-37.53	-137.79
HWQ14 - Lake Washington	-54.03	-74.98	-55.11	-82.16	-98.64	-76.02	-50.88	5.37	3.27	2.87	-15.37	-45.78
HWQ16 - Bayou Grand Liard	-138.29	-234.81	-224.00	-224.08	-174.57	-77.08	-49.92	-26.46	-19.38	-20.51	-20.75	-111.54
CRMS 3985	-8.88	-14.23	-13.71	-31.14	-40.34	-35.02	-22.72	-9.56	-3.76	-1.13	-2.26	-8.00
CRMS 0258	-147.03	-159.11	-80.39	-51.69	-38.23	-25.51	-45.96	-47.87	-40.03	-37.20	-47.32	-119.02
CRMS 0224	-175.35	-202.03	-115.65	-84.94	-77.32	-58.61	-69.20	-41.61	-33.41	-33.06	-51.85	-161.94
CRMS 0163	-3.25	0.73	-0.03	-0.23	-0.10	-3.22	-5.72	-6.04	-7.90	-35.21	-2.47	0.31
CRMS 0162	6.99	9.07	4.51	1.20	4.10	3.69	0.41	-41.24	-84.27	-109.71	-0.76	-2.22

Figure WQ SO4 102 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	82.54	123.94	90.44	114.35	123.98	102.60	55.03	45.60	83.69	90.20	113.73	113.13
CRMS0276 - Just east of Wilkinson Canal	384.04	220.98	235.38	181.13	165.75	209.24	272.89	376.15	398.60	403.88	349.74	280.03
Barataria Waterway at Lafitte (USACE82875)	127.32	37.56	36.23	29.22	27.38	36.77	75.98	99.36	196.12	83.13	72.91	53.63
USGS2928590900040000 Barataria Waterway South of Lafitte	126.16	183.50	135.97	139.83	146.03	118.46	75.53	68.10	147.59	164.09	191.50	174.30
USGS7380251 Barataria Bay North of Grand Isle	39.40	57.29	39.46	63.10	76.39	62.83	30.18	24.47	27.50	32.64	55.03	46.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	203.32	225.56	130.43	153.47	158.38	132.90	90.67	184.88	169.29	178.47	243.00	196.92
USGS 07380335 - Little Lake Near Cutoff	321.53	290.30	192.93	196.19	196.29	167.68	174.77	329.90	271.85	289.82	335.81	277.68
USGS073802516 Barataria Pass at Grand Isle	247.64	272.39	163.15	206.86	230.87	217.10	180.90	309.12	218.06	234.28	255.56	243.44
HWQ14 - Lake Washington	72.21	102.18	57.29	97.15	123.65	106.74	51.57	65.22	66.83	65.41	90.29	83.62
HWQ16 - Bayou Grand Liard	594.03	440.25	420.30	388.96	350.29	372.65	533.76	614.77	545.93	552.44	538.62	477.68
CRMS 3985	22.32	28.30	22.03	33.77	47.28	47.52	23.73	19.35	19.49	20.51	23.07	24.74
CRMS 0258	210.72	236.23	192.87	137.87	131.65	127.41	114.51	121.64	299.30	349.65	298.99	234.13
CRMS 0224	226.51	278.24	189.33	170.44	173.74	145.06	121.19	191.77	272.37	288.58	315.10	270.14
CRMS 0163	97.95	25.60	25.61	29.61	22.45	45.75	94.62	109.22	224.22	66.82	38.15	37.21
CRMS 0162	166.93	82.30	105.70	157.58	127.56	106.56	181.83	412.92	629.83	276.37	132.45	60.29

V3PR6 HYST - cy 2 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.78	14.34	15.65	15.78	14.52	17.19	18.74	19.61	19.96	18.80	18.27	16.98
CRMS0276 - Just east of Wilkinson Canal	331.21	170.51	206.01	149.90	128.95	174.02	249.09	369.64	355.15	355.74	323.99	250.52
Barataria Waterway at Lafitte (USACE82875)	111.66	38.08	34.24	26.43	25.98	33.89	67.83	92.29	95.35	65.08	65.38	47.99
USGS2928590900040000 Barataria Waterway South of Lafitte	36.17	14.32	19.44	21.74	14.79	22.99	20.01	30.74	70.86	67.61	84.00	65.75
USGS7380251 Barataria Bay North of Grand Isle	20.20	14.34	15.50	17.69	17.27	18.00	17.50	21.66	22.29	25.04	37.08	26.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	110.86	23.95	41.51	49.26	22.29	49.59	77.17	171.18	138.34	127.31	178.64	116.31
USGS 07380335 - Little Lake Near Cutoff	228.06	53.63	81.32	82.30	33.81	78.51	164.26	318.02	232.75	236.23	276.82	203.34
USGS073802516 Barataria Pass at Grand Isle	176.71	69.24	80.53	96.32	68.37	128.25	187.84	320.04	199.52	195.30	213.84	178.37
HWQ14 - Lake Washington	42.87	24.01	26.31	35.40	42.06	48.25	49.01	88.08	67.70	58.01	72.60	56.52
HWQ16 - Bayou Grand Liard	546.22	301.96	336.68	289.36	219.83	317.88	526.83	616.19	512.25	516.66	508.86	432.02
CRMS 3985	14.83	14.63	13.57	14.60	17.52	16.55	14.86	15.00	18.12	19.98	22.74	19.44
CRMS 0258	135.01	44.01	59.29	54.32	42.04	62.99	53.76	86.96	248.85	275.59	241.64	178.00
CRMS 0224	144.00	45.81	61.41	57.56	41.37	58.70	81.66	170.14	224.50	222.31	254.24	193.75
CRMS 0163	88.15	25.65	25.28	26.83	21.44	42.35	87.11	95.72	106.75	55.82	36.22	34.31
CRMS 0162	154.97	91.97	106.06	156.74	134.40	96.98	135.07	344.30	573.53	172.98	131.83	58.06

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-64.76	-109.60	-74.79	-98.57	-109.46	-85.41	-36.29	-25.99	-63.73	-71.40	-95.46	-96.14
CRMS0276 - Just east of Wilkinson Canal	-52.83	-50.47	-29.38	-31.23	-36.81	-35.22	-23.81	-6.50	-43.45	-48.14	-25.75	-29.51
Barataria Waterway at Lafitte (USACE82875)	-15.66	0.52	-1.98	-2.79	-1.40	-2.89	-8.15	-7.07	-100.77	-18.05	-7.53	-5.64
USGS2928590900040000 Barataria Waterway South of Lafitte	-90.00	-169.18	-116.52	-118.09	-131.24	-95.47	-55.53	-37.36	-76.73	-96.48	-107.49	-108.55
USGS7380251 Barataria Bay North of Grand Isle	-19.19	-42.95	-23.96	-45.41	-59.12	-44.83	-12.68	-2.81	-5.21	-7.60	-17.95	-19.64
USGS73802515 Hackberry Bay Northwest of Grand Isle	-92.46	-201.61	-88.91	-104.21	-136.09	-83.32	-13.51	-13.70	-30.95	-51.16	-64.36	-80.61
USGS 07380335 - Little Lake Near Cutoff	-93.46	-236.67	-111.62	-113.89	-162.48	-89.17	-10.51	-11.88	-39.11	-53.59	-59.00	-74.35
USGS073802516 Barataria Pass at Grand Isle	-70.93	-203.15	-82.62	-110.54	-162.50	-88.85	6.93	10.92	-18.54	-38.98	-41.72	-65.07
HWQ14 - Lake Washington	-29.33	-78.17	-30.99	-61.75	-81.59	-58.49	-2.56	22.86	0.87	-7.40	-17.68	-27.10
HWQ16 - Bayou Grand Liard	-47.82	-138.30	-83.61	-99.59	-130.46	-54.76	-6.93	1.42	-33.68	-35.77	-29.75	-45.65
CRMS 3985	-7.49	-13.67	-8.46	-19.17	-29.76	-30.97	-8.87	-4.34	-1.37	-0.54	-0.33	-5.30
CRMS 0258	-75.72	-192.21	-133.58	-83.55	-89.61	-64.42	-60.74	-34.68	-50.45	-74.06	-57.36	-56.13
CRMS 0224	-82.51	-232.43	-127.92	-112.88	-132.38	-86.37	-39.53	-21.63	-47.87	-66.27	-60.87	-76.39
CRMS 0163	-9.80	0.04	-0.32	-2.78	-1.01	-3.40	-7.51	-13.50	-117.47	-11.00	-1.93	-2.89
CRMS 0162	-11.96	9.68	0.36	-0.84	6.84	-9.58	-46.76	-68.63	-56.30	-103.39	-0.62	-2.23

Figure WQ SO4 103 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	84.63	106.89	85.70	91.07	94.69	75.71	56.75	46.89	53.79	58.17	104.85	129.93
CRMS0276 - Just east of Wilkinson Canal	327.18	116.28	105.13	94.99	96.72	69.03	120.64	174.48	209.64	321.88	406.16	359.82
Barataria Waterway at Lafitte (USACE82875)	61.34	16.28	14.95	13.70	17.34	12.82	16.49	23.13	25.73	63.44	104.16	72.52
USGS2928590900040000 Barataria Waterway South of Lafitte	136.51	150.58	108.87	97.09	98.73	75.48	68.67	64.05	81.92	98.61	169.62	201.34
USGS7380251 Barataria Bay North of Grand Isle	42.74	54.12	51.60	70.56	78.85	64.20	45.88	34.40	24.64	26.34	53.44	50.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	198.50	186.24	124.10	135.01	139.58	113.89	102.02	126.55	100.31	123.26	238.52	226.65
USGS 07380335 - Little Lake Near Cutoff	298.17	226.31	156.59	156.37	162.56	127.69	134.47	184.52	154.57	211.23	338.31	324.04
USGS073802516 Barataria Pass at Grand Isle	241.77	222.92	154.11	181.67	199.32	168.59	158.18	199.67	134.42	173.26	252.51	274.71
HWQ14 - Lake Washington	78.73	94.70	77.04	106.89	127.37	110.06	82.95	76.74	51.46	48.23	86.12	90.30
HWQ16 - Bayou Grand Liard	521.01	328.46	312.13	309.42	281.50	238.17	328.89	381.85	388.36	489.59	577.11	531.24
CRMS 3985	23.32	28.14	30.88	49.26	60.08	55.13	39.52	27.40	19.51	18.97	24.86	26.00
CRMS 0258	211.60	168.72	88.70	84.46	80.40	46.76	53.59	67.33	135.13	209.35	305.53	323.75
CRMS 0224	236.70	209.22	132.31	122.05	123.24	92.39	98.90	127.05	146.12	187.09	297.81	317.92
CRMS 0163	36.13	12.20	13.55	16.25	15.75	13.09	17.90	22.91	27.40	58.99	65.93	45.72
CRMS 0162	56.17	35.38	49.70	81.73	90.13	36.88	15.35	31.81	160.34	209.30	263.45	111.08

V3PR6 HYST - cy 2 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.38	11.77	12.04	12.45	13.17	14.77	16.79	17.87	20.29	17.88
CRMS0276 - Just east of Wilkinson Canal	156.92	61.14	44.33	47.39	45.76	25.72	22.84	68.83	183.41	303.65	387.88	337.05
Barataria Waterway at Lafitte (USACE82875)	57.96	16.67	14.70	13.69	17.31	12.61	15.26	20.29	23.15	55.34	96.74	66.64
USGS2928590900040000 Barataria Waterway South of Lafitte	12.94	10.97	12.36	11.71	12.04	12.40	13.09	14.67	28.65	45.54	77.84	73.89
USGS7380251 Barataria Bay North of Grand Isle	13.91	11.07	12.12	11.45	11.91	11.89	12.38	13.13	13.78	17.77	36.11	28.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.85	11.05	12.36	11.63	12.14	12.16	12.78	24.01	63.58	96.42	181.70	134.78
USGS 07380335 - Little Lake Near Cutoff	31.42	11.97	13.33	12.03	12.85	12.09	12.62	40.41	114.38	187.83	287.78	243.33
USGS073802516 Barataria Pass at Grand Isle	32.06	13.66	13.76	13.73	17.16	12.93	12.45	47.17	97.57	156.31	218.86	206.34
HWQ14 - Lake Washington	20.06	11.96	11.15	11.41	14.44	11.04	10.52	14.38	32.85	42.16	71.56	60.98
HWQ16 - Bayou Grand Liard	274.90	84.35	101.30	74.75	88.61	88.63	144.17	248.05	351.07	474.62	553.09	496.79
CRMS 3985	15.15	11.52	11.69	11.19	11.75	11.32	11.74	12.15	11.43	13.85	20.97	20.66
CRMS 0258	31.98	11.84	12.54	12.26	14.03	11.96	12.54	16.99	86.01	179.35	261.53	261.38
CRMS 0224	25.78	11.60	12.62	11.95	13.32	12.02	12.65	21.84	91.24	157.10	251.13	232.50
CRMS 0163	36.12	12.44	13.37	16.60	15.58	12.87	16.05	21.10	24.96	50.19	61.87	43.21
CRMS 0162	63.43	41.33	59.04	85.35	90.69	40.13	16.23	31.16	124.46	123.11	249.94	86.33

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-71.99	-95.91	-73.32	-79.30	-82.65	-63.26	-43.58	-32.12	-37.00	-40.31	-84.56	-112.05
CRMS0276 - Just east of Wilkinson Canal	-170.27	-55.14	-60.80	-47.60	-50.96	-43.30	-97.80	-105.65	-26.23	-18.23	-18.28	-22.76
Barataria Waterway at Lafitte (USACE82875)	-3.39	0.39	-0.25	-0.01	-0.03	-0.21	-1.23	-2.84	-2.58	-8.10	-7.43	-5.88
USGS2928590900040000 Barataria Waterway South of Lafitte	-123.56	-139.62	-96.51	-85.37	-86.69	-63.09	-55.58	-49.39	-53.26	-53.07	-91.78	-127.45
USGS7380251 Barataria Bay North of Grand Isle	-28.83	-43.05	-39.48	-59.11	-66.94	-52.31	-33.50	-21.27	-10.86	-8.57	-17.33	-22.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	-180.65	-175.19	-111.73	-123.38	-127.44	-101.72	-89.24	-102.55	-36.73	-26.83	-56.82	-91.88
USGS 07380335 - Little Lake Near Cutoff	-266.74	-214.33	-143.25	-144.34	-149.71	-115.60	-121.86	-144.11	-40.18	-23.40	-50.52	-80.72
USGS073802516 Barataria Pass at Grand Isle	-209.71	-209.26	-140.35	-167.94	-182.16	-155.66	-145.73	-152.49	-36.85	-16.95	-33.66	-68.37
HWQ14 - Lake Washington	-58.67	-82.74	-65.89	-95.48	-112.93	-99.02	-72.43	-62.35	-18.60	-6.07	-14.56	-29.33
HWQ16 - Bayou Grand Liard	-246.11	-244.11	-210.83	-234.67	-192.88	-149.54	-184.72	-133.80	-37.29	-14.97	-24.03	-34.46
CRMS 3985	-8.18	-16.62	-19.19	-38.06	-48.33	-43.81	-27.78	-15.25	-8.08	-5.12	-3.90	-5.34
CRMS 0258	-179.62	-156.88	-76.16	-72.20	-66.37	-34.80	-41.05	-50.35	-49.12	-30.00	-44.00	-62.36
CRMS 0224	-210.91	-197.62	-119.69	-110.09	-109.92	-80.36	-86.25	-105.21	-54.88	-29.99	-46.68	-85.42
CRMS 0163	-0.01	0.24	-0.19	0.35	-0.18	-0.22	-1.86	-1.81	-2.43	-8.80	-4.06	-2.51
CRMS 0162	7.26	5.95	9.34	3.62	0.56	3.25	0.88	-0.65	-35.88	-86.19	-13.51	-24.75

Figure WQ SO4 104 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	74.81	115.32	92.08	100.00	88.22	59.90	48.48	49.52	66.01	66.38	110.08	124.41
CRMS0276 - Just east of Wilkinson Canal	256.37	340.73	194.02	87.64	52.94	35.37	96.32	186.65	231.63	342.56	420.26	199.18
Barataria Waterway at Lafitte (USACE82875)	73.12	72.33	23.38	13.15	13.04	11.73	15.15	28.31	28.79	78.68	107.74	30.34
USGS2928590900040000 Barataria Waterway South of Lafitte	113.42	172.89	150.78	107.10	85.35	53.59	56.28	64.54	99.30	111.04	178.69	193.88
USGS7380251 Barataria Bay North of Grand Isle	33.34	50.78	39.48	69.02	75.63	58.88	41.83	37.70	29.91	29.33	55.61	47.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	164.85	218.75	133.88	134.07	127.63	95.72	86.52	140.49	119.95	133.18	248.99	216.71
USGS 07380335 - Little Lake Near Cutoff	253.84	303.33	194.87	154.25	141.59	102.51	113.99	201.31	177.95	224.36	351.01	288.33
USGS073802516 Barataria Pass at Grand Isle	201.40	273.67	162.73	178.04	175.79	138.07	137.03	217.10	155.26	184.91	262.51	254.62
HWQ14 - Lake Washington	62.83	89.15	57.39	103.48	123.59	98.47	72.35	86.89	61.38	53.69	89.82	93.97
HWQ16 - Bayou Grand Liard	492.26	512.00	376.47	296.90	218.73	186.85	304.17	404.58	409.04	506.81	587.91	422.72
CRMS 3985	16.67	24.79	21.46	42.86	57.47	52.46	37.28	30.01	22.66	20.70	24.96	19.90
CRMS 0258	162.43	276.04	198.08	82.93	58.94	28.88	41.42	66.31	165.56	219.48	320.39	254.45
CRMS 0224	183.11	280.63	209.68	121.31	101.35	67.12	80.53	131.13	169.36	199.66	311.68	293.75
CRMS 0163	65.11	53.28	14.63	12.79	12.98	11.72	17.10	29.93	30.18	77.55	60.12	15.87
CRMS 0162	132.43	173.68	38.89	67.78	33.33	21.36	14.56	36.32	216.15	380.53	243.42	33.78

V3PR6 HYST - cy 2 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.98	18.75	11.86	11.36	12.60	11.61	13.05	15.71	17.51	19.22	19.98	11.96
CRMS0276 - Just east of Wilkinson Canal	181.10	312.80	127.74	41.73	21.01	15.39	20.21	113.99	215.43	331.82	404.52	135.21
Barataria Waterway at Lafitte (USACE82875)	61.66	66.79	24.23	12.98	13.04	11.73	13.87	23.48	26.05	70.59	99.59	32.34
USGS2928590900040000 Barataria Waterway South of Lafitte	16.76	51.25	13.03	11.35	12.58	11.58	12.96	16.76	38.27	50.99	78.05	12.02
USGS7380251 Barataria Bay North of Grand Isle	13.33	26.54	13.15	11.30	12.50	11.44	12.10	13.06	16.29	19.91	36.34	13.47
USGS73802515 Hackberry Bay Northwest of Grand Isle	57.29	129.03	19.44	11.39	12.53	11.50	12.54	46.14	85.89	108.92	181.24	15.02
USGS 07380335 - Little Lake Near Cutoff	124.75	214.59	30.67	11.66	12.53	11.47	12.51	89.79	144.96	208.11	294.80	25.77
USGS073802516 Barataria Pass at Grand Isle	92.96	195.09	36.18	12.93	12.85	11.69	11.79	100.89	127.94	172.96	223.45	40.01
HWQ14 - Lake Washington	19.53	51.43	18.19	11.53	12.28	11.17	10.23	22.16	47.72	49.11	73.42	26.14
HWQ16 - Bayou Grand Liard	407.34	466.05	151.85	63.90	42.32	55.09	134.79	325.26	387.11	498.38	558.74	194.90
CRMS 3985	13.54	17.90	13.39	11.20	12.24	11.34	11.39	10.91	11.90	15.04	21.66	15.88
CRMS 0258	27.30	176.28	46.23	11.70	12.67	11.37	12.26	23.06	118.56	195.14	276.74	47.56
CRMS 0224	53.95	182.41	34.94	11.58	12.58	11.41	12.38	41.63	121.43	173.14	263.67	36.41
CRMS 0163	57.87	50.43	15.04	12.76	12.91	11.71	15.15	25.35	28.07	67.12	58.13	16.50
CRMS 0162	132.22	151.32	50.99	73.27	33.17	23.96	15.11	33.99	150.72	278.98	233.95	37.06

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-58.83	-96.56	-80.22	-88.64	-75.63	-48.29	-35.44	-33.80	-48.49	-47.17	-90.10	-112.45
CRMS0276 - Just east of Wilkinson Canal	-75.27	-27.92	-66.28	-45.91	-31.93	-19.99	-76.11	-72.66	-16.20	-10.73	-15.74	-63.97
Barataria Waterway at Lafitte (USACE82875)	-11.45	-5.54	0.85	-0.18	0.00	0.00	-1.29	-4.83	-2.74	-8.10	-8.15	2.00
USGS2928590900040000 Barataria Waterway South of Lafitte	-96.65	-121.64	-137.75	-95.75	-72.77	-42.00	-43.33	-47.78	-61.03	-60.05	-100.64	-181.86
USGS7380251 Barataria Bay North of Grand Isle	-20.01	-24.24	-26.33	-57.71	-63.13	-47.44	-29.74	-24.64	-13.63	-9.43	-19.27	-34.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	-107.56	-89.72	-114.45	-122.68	-115.10	-84.21	-73.99	-94.34	-34.06	-24.26	-67.76	-201.69
USGS 07380335 - Little Lake Near Cutoff	-129.09	-88.74	-164.20	-142.60	-129.06	-91.04	-101.48	-111.52	-32.99	-16.25	-56.22	-262.56
USGS073802516 Barataria Pass at Grand Isle	-108.44	-78.59	-126.55	-165.11	-162.93	-126.39	-125.24	-116.21	-27.32	-11.95	-39.06	-214.60
HWQ14 - Lake Washington	-43.31	-37.73	-39.20	-91.95	-111.30	-87.31	-62.12	-64.73	-13.66	-4.58	-16.40	-67.83
HWQ16 - Bayou Grand Liard	-84.93	-45.95	-224.62	-233.00	-176.40	-131.76	-169.38	-79.32	-21.93	-8.43	-29.17	-227.82
CRMS 3985	-3.13	-6.89	-8.07	-31.67	-45.24	-41.12	-25.89	-19.10	-10.76	-5.66	-3.29	-4.01
CRMS 0258	-135.12	-99.77	-151.85	-71.23	-46.28	-17.51	-29.17	-43.25	-47.00	-24.34	-43.66	-206.89
CRMS 0224	-129.16	-98.22	-174.75	-109.73	-88.77	-55.71	-68.16	-89.50	-47.93	-26.51	-48.00	-257.34
CRMS 0163	-7.24	-2.85	0.42	-0.04	-0.07	-0.01	-1.95	-4.58	-2.11	-10.43	-1.99	0.63
CRMS 0162	-0.21	-22.36	12.10	5.49	-0.16	2.60	0.55	-2.33	-65.43	-101.54	-9.48	3.27

Figure WQ SO4 105 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.62	78.29	70.45	75.05	76.39	65.65	57.44	48.04	76.50	76.48	97.22	106.36
CRMS0276 - Just east of Wilkinson Canal	173.24	183.18	92.34	70.88	89.76	140.27	196.64	327.36	295.95	377.31	287.37	108.17
Barataria Waterway at Lafitte (USACE82875)	25.72	28.71	12.82	12.16	15.15	21.33	39.69	68.41	36.33	78.32	49.39	15.20
USGS2928590900040000 Barataria Waterway South of Lafitte	95.04	111.23	98.79	76.15	77.21	71.63	70.65	69.65	130.53	133.98	160.34	150.93
USGS7380251 Barataria Bay North of Grand Isle	40.44	40.27	38.47	59.44	65.46	53.97	41.47	27.62	27.08	29.83	49.14	49.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	140.33	149.39	107.32	112.81	117.86	105.95	113.25	160.72	143.00	150.21	219.81	175.16
USGS 07380335 - Little Lake Near Cutoff	198.52	205.09	142.74	130.29	139.97	130.06	173.15	290.04	216.94	250.58	303.09	216.54
USGS073802516 Barataria Pass at Grand Isle	173.64	195.26	135.20	155.43	176.21	175.75	190.15	271.24	185.49	205.11	234.86	204.35
HWQ14 - Lake Washington	69.76	68.48	58.61	92.21	109.75	96.49	79.35	63.81	62.86	57.31	82.76	90.69
HWQ16 - Bayou Grand Liard	393.13	381.94	287.96	270.82	262.04	299.48	446.21	571.40	470.44	529.13	491.41	328.58
CRMS 3985	24.09	23.40	22.60	41.27	50.55	46.21	33.51	21.63	19.28	20.05	21.53	24.88
CRMS 0258	107.45	140.32	104.54	60.60	60.55	61.49	78.28	116.35	239.28	263.44	238.82	168.73
CRMS 0224	147.64	180.03	132.54	94.73	99.78	99.46	118.15	177.03	225.67	234.19	277.11	210.85
CRMS 0163	19.97	21.09	11.42	12.04	14.27	23.00	55.55	68.47	37.93	72.18	24.75	12.00
CRMS 0162	47.24	78.21	23.92	55.83	92.67	70.86	38.89	164.16	312.14	341.71	97.17	21.27

V3PR7 HYST - cy 2 - 1985 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.92	13.77	10.98	11.01	12.71	14.75	16.45	18.21	18.45	18.87	13.71	10.92
CRMS0276 - Just east of Wilkinson Canal	50.83	135.05	39.09	32.20	40.83	87.98	123.36	282.14	273.13	356.47	230.52	51.87
Barataria Waterway at Lafitte (USACE82875)	21.63	30.05	13.48	11.98	15.12	20.00	34.34	60.88	32.37	71.21	54.29	16.75
USGS2928590900040000 Barataria Waterway South of Lafitte	11.85	13.87	10.98	11.00	12.57	14.08	15.11	26.29	62.77	57.03	13.72	10.91
USGS7380251 Barataria Bay North of Grand Isle	11.53	12.94	11.02	10.92	12.25	12.45	11.33	15.97	18.66	23.71	15.14	11.03
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.82	18.63	11.04	10.97	12.51	15.85	32.50	135.40	114.57	115.27	20.64	10.97
USGS 07380335 - Little Lake Near Cutoff	13.86	35.23	11.31	11.06	12.66	20.72	74.15	256.98	188.92	220.56	56.20	11.10
USGS073802516 Barataria Pass at Grand Isle	12.21	37.59	11.83	11.38	15.16	37.34	95.23	265.34	166.40	189.74	50.67	12.55
HWQ14 - Lake Washington	11.01	13.22	10.85	10.52	12.63	16.30	20.40	65.17	59.55	58.43	24.70	12.62
HWQ16 - Bayou Grand Liard	148.48	230.65	52.82	50.50	85.81	187.82	376.76	543.14	441.96	513.24	325.66	72.71
CRMS 3985	11.24	11.96	11.08	10.72	11.64	11.80	10.48	10.75	14.75	18.64	16.68	11.56
CRMS 0258	11.52	22.78	11.25	11.19	12.96	20.88	17.54	58.85	194.78	221.57	46.03	11.04
CRMS 0224	11.71	26.58	11.18	11.08	12.68	20.17	30.46	128.65	183.46	191.60	42.72	11.07
CRMS 0163	18.32	22.26	11.49	12.08	14.26	20.08	46.44	62.43	33.10	63.89	26.42	12.02
CRMS 0162	55.27	86.52	26.23	63.11	100.02	66.81	29.84	113.41	235.93	246.89	109.19	22.45

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-55.70	-64.52	-59.47	-64.05	-63.68	-50.90	-40.99	-29.84	-58.05	-57.61	-83.51	-95.44
CRMS0276 - Just east of Wilkinson Canal	-122.41	-48.14	-53.25	-38.68	-48.93	-52.28	-73.28	-45.21	-22.82	-20.84	-56.85	-56.30
Barataria Waterway at Lafitte (USACE82875)	-4.09	1.34	0.66	-0.18	-0.03	-1.33	-5.35	-7.54	-3.96	-7.11	4.90	1.55
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.19	-97.36	-87.80	-65.15	-64.63	-57.55	-55.54	-43.36	-67.77	-76.95	-146.62	-140.02
USGS7380251 Barataria Bay North of Grand Isle	-28.91	-27.33	-27.45	-48.53	-53.21	-41.51	-30.14	-11.65	-8.42	-6.13	-34.00	-38.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	-128.51	-130.77	-96.28	-101.84	-105.34	-90.09	-80.75	-25.32	-28.43	-34.94	-199.17	-164.20
USGS 07380335 - Little Lake Near Cutoff	-184.66	-169.86	-131.43	-119.22	-127.31	-109.35	-99.01	-33.06	-28.02	-30.02	-246.89	-205.44
USGS073802516 Barataria Pass at Grand Isle	-161.43	-157.66	-123.36	-144.05	-161.05	-138.41	-94.92	-5.90	-19.10	-15.37	-184.19	-191.80
HWQ14 - Lake Washington	-58.75	-55.26	-47.76	-81.69	-97.12	-80.19	-58.95	1.35	-3.31	1.12	-58.06	-78.07
HWQ16 - Bayou Grand Liard	-244.65	-151.30	-235.15	-220.32	-176.23	-111.66	-69.44	-28.26	-28.48	-15.89	-165.75	-255.87
CRMS 3985	-12.85	-11.44	-11.52	-30.55	-38.91	-34.41	-23.04	-10.87	-4.52	-1.41	-4.85	-13.33
CRMS 0258	-95.93	-117.54	-93.29	-49.41	-47.60	-40.61	-60.75	-57.49	-44.50	-41.87	-192.79	-157.69
CRMS 0224	-135.93	-153.46	-121.36	-83.65	-87.10	-79.29	-87.69	-48.38	-42.21	-42.59	-234.39	-199.77
CRMS 0163	-1.65	1.17	0.07	0.04	-0.01	-2.93	-9.11	-6.04	-4.83	-8.29	1.66	0.02
CRMS 0162	8.04	8.31	2.31	7.28	7.35	-4.05	-9.05	-50.75	-76.22	-94.82	12.02	1.18

Figure WQ SO4 106 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	79.92	101.72	79.40	74.83	74.25	55.41	53.43	43.67	68.77	74.69	117.99	131.71
CRMS0276 - Just east of Wilkinson Canal	281.32	142.13	77.91	73.98	54.51	102.25	203.80	281.32	302.30	403.94	417.68	278.08
Barataria Waterway at Lafitte (USACE82875)	66.72	19.70	11.91	12.34	11.56	19.71	36.34	55.72	41.20	115.07	100.49	45.82
USGS2928590900040000 Barataria Waterway South of Lafitte	124.64	146.53	105.61	76.22	71.17	53.64	64.31	63.58	118.06	131.44	193.44	208.22
USGS7380251 Barataria Bay North of Grand Isle	40.74	49.68	43.73	59.92	65.70	51.63	40.15	25.39	24.93	29.43	58.44	53.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	181.54	183.26	110.54	112.76	112.78	93.24	111.56	139.57	131.92	152.63	259.39	222.55
USGS 07380335 - Little Lake Near Cutoff	273.23	231.33	139.51	130.89	127.91	112.71	172.42	246.52	205.52	257.97	362.61	305.43
USGS073802516 Barataria Pass at Grand Isle	220.63	222.86	136.32	153.88	160.44	155.06	191.69	238.83	172.79	209.58	271.87	264.14
HWQ14 - Lake Washington	72.73	87.33	65.65	92.65	109.60	88.40	75.51	60.19	57.13	56.87	94.50	95.16
HWQ16 - Bayou Grand Liard	506.37	352.29	273.53	270.04	216.84	273.91	445.44	509.07	463.78	548.40	585.66	478.82
CRMS 3985	22.79	26.11	24.53	41.85	51.19	45.12	31.88	19.92	18.64	19.91	26.11	27.14
CRMS 0258	175.60	173.07	91.30	62.87	49.29	39.19	70.70	104.82	226.48	275.74	350.04	275.18
CRMS 0224	207.34	215.75	126.55	96.01	88.31	74.51	113.99	156.13	211.16	237.16	331.27	310.13
CRMS 0163	50.92	13.75	11.20	11.89	11.37	23.93	43.46	58.73	45.32	114.79	54.40	25.32
CRMS 0162	80.41	52.22	25.29	55.25	43.67	54.96	21.28	137.60	392.67	481.52	222.33	54.75

V3PR7 HYST - cy 2 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.48	11.50	10.85	10.94	10.99	15.13	15.77	17.60	18.93	20.00	20.51	14.95
CRMS0276 - Just east of Wilkinson Canal	180.34	84.78	26.45	33.10	18.69	65.33	151.49	241.75	284.27	377.43	401.14	243.84
Barataria Waterway at Lafitte (USACE82875)	64.51	22.35	11.95	12.20	11.42	17.39	31.67	49.11	37.66	84.47	96.69	46.36
USGS2928590900040000 Barataria Waterway South of Lafitte	14.91	11.51	10.85	10.93	10.97	13.75	15.30	24.08	59.84	61.80	93.88	61.56
USGS7380251 Barataria Bay North of Grand Isle	14.78	11.66	10.84	10.88	10.93	10.84	10.39	16.32	19.61	24.27	41.73	24.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	26.07	11.78	10.87	10.93	10.95	16.88	42.92	121.47	116.76	128.15	201.34	78.32
USGS 07380335 - Little Lake Near Cutoff	54.93	14.43	11.12	11.03	10.97	25.97	93.77	217.98	193.15	236.01	313.71	138.65
USGS073802516 Barataria Pass at Grand Isle	48.91	16.81	11.31	11.19	11.35	46.58	117.78	233.41	169.47	200.10	238.12	128.76
HWQ14 - Lake Washington	19.31	12.47	10.58	10.50	10.95	12.22	24.15	65.62	60.80	59.35	81.47	51.45
HWQ16 - Bayou Grand Liard	367.04	114.25	46.24	48.04	41.21	192.77	392.42	480.00	448.73	528.20	564.84	371.59
CRMS 3985	14.37	11.95	10.83	10.71	10.85	10.09	9.14	10.54	15.06	18.68	24.53	20.63
CRMS 0258	28.16	14.00	10.91	11.16	11.05	13.54	24.15	55.32	186.80	236.75	302.46	156.10
CRMS 0224	31.89	13.71	10.91	11.06	10.99	15.54	44.10	112.60	178.74	204.05	282.96	149.10
CRMS 0163	48.24	14.56	11.16	11.72	11.26	20.39	37.09	53.65	38.88	78.72	53.41	25.89
CRMS 0162	87.33	60.28	31.95	55.71	44.85	58.86	21.25	97.18	300.16	359.59	227.53	54.21

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-65.44	-90.21	-68.54	-63.90	-63.26	-40.28	-37.66	-26.07	-49.84	-54.70	-97.48	-116.76
CRMS0276 - Just east of Wilkinson Canal	-100.98	-57.35	-51.46	-40.88	-35.82	-36.92	-52.31	-39.56	-18.03	-26.50	-16.54	-34.24
Barataria Waterway at Lafitte (USACE82875)	-2.21	2.65	0.04	-0.14	-0.14	-2.32	-4.67	-6.61	-3.54	-30.60	-3.80	0.54
USGS2928590900040000 Barataria Waterway South of Lafitte	-109.73	-135.02	-94.77	-65.29	-60.20	-39.89	-49.01	-39.50	-58.22	-69.63	-99.56	-146.65
USGS7380251 Barataria Bay North of Grand Isle	-25.97	-38.02	-32.89	-49.03	-54.76	-40.79	-29.77	-9.07	-5.32	-5.16	-16.72	-28.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	-155.47	-171.48	-99.67	-101.83	-101.83	-76.36	-68.64	-18.10	-15.16	-24.48	-58.04	-144.22
USGS 07380335 - Little Lake Near Cutoff	-218.30	-216.90	-128.39	-119.86	-116.94	-86.74	-78.65	-28.54	-12.37	-21.96	-48.90	-166.78
USGS073802516 Barataria Pass at Grand Isle	-171.73	-206.06	-125.02	-142.69	-149.08	-108.48	-73.91	-5.42	-3.32	-9.48	-33.75	-135.37
HWQ14 - Lake Washington	-53.41	-74.86	-55.07	-82.15	-98.65	-76.19	-51.35	5.43	3.66	2.48	-13.03	-43.71
HWQ16 - Bayou Grand Liard	-139.34	-238.03	-227.30	-222.00	-175.63	-81.14	-53.02	-29.07	-15.05	-20.19	-20.82	-107.24
CRMS 3985	-8.42	-14.16	-13.70	-31.14	-40.34	-35.04	-22.74	-9.39	-3.58	-1.23	-1.58	-6.52
CRMS 0258	-147.44	-159.08	-80.39	-51.71	-38.23	-25.65	-46.55	-49.50	-39.68	-38.99	-47.58	-119.09
CRMS 0224	-175.45	-202.04	-115.64	-84.95	-77.32	-58.97	-69.89	-43.53	-32.43	-33.11	-48.31	-161.03
CRMS 0163	-2.67	0.81	-0.04	-0.16	-0.11	-3.54	-6.37	-5.08	-6.44	-36.07	-0.98	0.57
CRMS 0162	6.92	8.06	6.66	0.45	1.18	3.90	-0.03	-40.41	-92.51	-121.92	5.20	-0.55

Figure WQ SO4 107 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	82.54	123.94	90.44	114.35	123.98	102.60	55.03	45.60	83.69	90.20	113.73	113.13
CRMS0276 - Just east of Wilkinson Canal	384.04	220.98	235.38	181.13	165.75	209.24	272.89	376.15	398.60	403.88	349.74	280.03
Barataria Waterway at Lafitte (USACE82875)	127.32	37.56	36.23	29.22	27.38	36.77	75.98	99.36	196.12	83.13	72.91	53.63
USGS2928590900040000 Barataria Waterway South of Lafitte	126.16	183.50	135.97	139.83	146.03	118.46	75.53	68.10	147.59	164.09	191.50	174.30
USGS7380251 Barataria Bay North of Grand Isle	39.40	57.29	39.46	63.10	76.39	62.83	30.18	24.47	27.50	32.64	55.03	46.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	203.32	225.56	130.43	153.47	158.38	132.90	90.67	184.88	169.29	178.47	243.00	196.92
USGS 07380335 - Little Lake Near Cutoff	321.53	290.30	192.93	196.19	196.29	167.68	174.77	329.90	271.85	289.82	335.81	277.68
USGS073802516 Barataria Pass at Grand Isle	247.64	272.39	163.15	206.86	230.87	217.10	180.90	309.12	218.06	234.28	255.56	243.44
HWQ14 - Lake Washington	72.21	102.18	57.29	97.15	123.65	106.74	51.57	65.22	66.83	65.41	90.29	83.62
HWQ16 - Bayou Grand Liard	594.03	440.25	420.30	388.96	350.29	372.65	533.76	614.77	545.93	552.44	538.62	477.68
CRMS 3985	22.32	28.30	22.03	33.77	47.28	47.52	23.73	19.35	19.49	20.51	23.07	24.74
CRMS 0258	210.72	236.23	192.87	137.87	131.65	127.41	114.51	121.64	299.30	349.65	298.99	234.13
CRMS 0224	226.51	278.24	189.33	170.44	173.74	145.06	121.19	191.77	272.37	288.58	315.10	270.14
CRMS 0163	97.95	25.60	25.61	29.61	22.45	45.75	94.62	109.22	224.22	66.82	38.15	37.21
CRMS 0162	166.93	82.30	105.70	157.58	127.56	106.56	181.83	412.92	629.83	276.37	132.45	60.29

V3PR7 HYST - cy 2 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.78	14.33	15.63	15.75	14.52	17.17	18.69	19.66	20.13	19.19	18.49	16.98
CRMS0276 - Just east of Wilkinson Canal	330.90	169.37	203.89	150.86	125.57	171.71	247.50	357.08	352.12	359.69	326.50	251.24
Barataria Waterway at Lafitte (USACE82875)	115.58	39.36	34.95	27.66	26.47	33.11	68.79	92.19	88.62	68.35	68.59	49.00
USGS2928590900040000 Barataria Waterway South of Lafitte	37.07	14.27	19.43	21.14	14.78	22.35	19.75	30.89	75.51	69.17	86.72	68.06
USGS7380251 Barataria Bay North of Grand Isle	19.75	14.29	15.37	17.33	17.21	17.85	17.44	22.93	22.97	25.62	35.82	25.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	110.54	23.64	40.98	47.34	22.19	48.98	76.98	174.28	139.13	127.06	174.42	113.92
USGS 07380335 - Little Lake Near Cutoff	227.90	53.19	79.89	80.02	33.40	77.67	163.55	314.37	232.87	236.80	272.49	201.47
USGS073802516 Barataria Pass at Grand Isle	176.04	68.15	77.70	91.37	67.63	125.80	188.41	322.24	200.74	194.78	207.74	176.35
HWQ14 - Lake Washington	42.15	23.84	25.60	34.01	41.93	47.74	49.25	93.45	68.78	57.53	68.68	54.45
HWQ16 - Bayou Grand Liard	545.88	299.33	333.07	289.72	215.60	311.75	524.83	602.89	510.51	516.33	508.86	436.06
CRMS 3985	14.50	14.52	13.45	14.33	17.35	16.42	14.78	15.19	18.56	20.28	21.96	18.98
CRMS 0258	132.19	44.04	58.19	53.57	40.66	62.71	52.54	83.90	245.29	270.88	238.66	176.43
CRMS 0224	143.24	45.22	60.71	56.42	40.56	58.23	80.75	167.63	223.23	222.11	250.12	191.39
CRMS 0163	89.35	25.54	25.13	26.95	22.09	40.48	87.07	94.24	97.82	58.76	36.29	34.02
CRMS 0162	152.90	91.31	103.52	155.53	129.77	99.07	125.07	339.13	569.54	184.03	134.75	58.62

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-64.76	-109.61	-74.81	-98.60	-109.47	-85.43	-36.34	-25.94	-63.57	-71.01	-95.24	-96.15
CRMS0276 - Just east of Wilkinson Canal	-53.14	-51.61	-31.50	-30.27	-40.18	-37.53	-25.40	-19.06	-46.48	-44.19	-23.24	-28.79
Barataria Waterway at Lafitte (USACE82875)	-11.74	1.81	-1.27	-1.56	-0.91	-3.67	-7.19	-7.16	-107.50	-14.78	-4.31	-4.63
USGS2928590900040000 Barataria Waterway South of Lafitte	-89.09	-169.23	-116.54	-118.70	-131.25	-96.11	-55.79	-37.21	-72.08	-94.92	-104.78	-106.24
USGS7380251 Barataria Bay North of Grand Isle	-19.65	-43.00	-24.09	-45.77	-59.18	-44.98	-12.73	-1.53	-4.52	-7.02	-19.21	-20.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	-92.78	-201.92	-89.45	-106.13	-136.18	-83.93	-13.70	-10.60	-30.16	-51.41	-68.57	-83.00
USGS 07380335 - Little Lake Near Cutoff	-93.63	-237.11	-113.04	-116.17	-162.88	-90.01	-11.22	-15.53	-38.99	-53.02	-63.32	-76.21
USGS073802516 Barataria Pass at Grand Isle	-71.60	-204.25	-85.45	-115.49	-163.24	-91.29	7.51	13.12	-17.32	-39.50	-47.83	-67.09
HWQ14 - Lake Washington	-30.06	-78.33	-31.69	-63.14	-81.72	-59.00	-2.33	28.23	1.95	-7.88	-21.61	-29.17
HWQ16 - Bayou Grand Liard	-48.16	-140.92	-87.23	-99.24	-134.69	-60.90	-8.93	-11.89	-35.43	-36.11	-29.76	-41.61
CRMS 3985	-7.82	-13.78	-8.58	-19.44	-29.93	-31.09	-8.95	-4.16	-0.92	-0.23	-1.11	-5.75
CRMS 0258	-78.53	-192.19	-134.68	-84.30	-90.99	-64.70	-61.97	-37.74	-54.01	-78.76	-60.33	-57.70
CRMS 0224	-83.27	-233.02	-128.62	-114.02	-133.19	-86.83	-40.44	-24.14	-49.14	-66.47	-64.99	-78.75
CRMS 0163	-8.60	-0.06	-0.48	-2.66	-0.36	-5.27	-7.54	-14.98	-126.40	-8.05	-1.86	-3.18
CRMS 0162	-14.04	9.01	-2.19	-2.05	2.21	-7.49	-56.76	-73.79	-60.29	-92.35	2.29	-1.67

Figure WQ SO4 108 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	84.63	106.89	85.70	91.07	94.69	75.71	56.75	46.89	53.79	58.17	104.85	129.93
CRMS0276 - Just east of Wilkinson Canal	327.18	116.28	105.13	94.99	96.72	69.03	120.64	174.48	209.64	321.88	406.16	359.82
Barataria Waterway at Lafitte (USACE82875)	61.34	16.28	14.95	13.70	17.34	12.82	16.49	23.13	25.73	63.44	104.16	72.52
USGS2928590900040000 Barataria Waterway South of Lafitte	136.51	150.58	108.87	97.09	98.73	75.48	68.67	64.05	81.92	98.61	169.62	201.34
USGS7380251 Barataria Bay North of Grand Isle	42.74	54.12	51.60	70.56	78.85	64.20	45.88	34.40	24.64	26.34	53.44	50.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	198.50	186.24	124.10	135.01	139.58	113.89	102.02	126.55	100.31	123.26	238.52	226.65
USGS 07380335 - Little Lake Near Cutoff	298.17	226.31	156.59	156.37	162.56	127.69	134.47	184.52	154.57	211.23	338.31	324.04
USGS073802516 Barataria Pass at Grand Isle	241.77	222.92	154.11	181.67	199.32	168.59	158.18	199.67	134.42	173.26	252.51	274.71
HWQ14 - Lake Washington	78.73	94.70	77.04	106.89	127.37	110.06	82.95	76.74	51.46	48.23	86.12	90.30
HWQ16 - Bayou Grand Liard	521.01	328.46	312.13	309.42	281.50	238.17	328.89	381.85	388.36	489.59	577.11	531.24
CRMS 3985	23.32	28.14	30.88	49.26	60.08	55.13	39.52	27.40	19.51	18.97	24.86	26.00
CRMS 0258	211.60	168.72	88.70	84.46	80.40	46.76	53.59	67.33	135.13	209.35	305.53	323.75
CRMS 0224	236.70	209.22	132.31	122.05	123.24	92.39	98.90	127.05	146.12	187.09	297.81	317.92
CRMS 0163	36.13	12.20	13.55	16.25	15.75	13.09	17.90	22.91	27.40	58.99	65.93	45.72
CRMS 0162	56.17	35.38	49.70	81.73	90.13	36.88	15.35	31.81	160.34	209.30	263.45	111.08

V3PR7 HYST - cy 2 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.38	11.77	12.04	12.45	13.17	14.76	16.81	17.89	20.52	18.02
CRMS0276 - Just east of Wilkinson Canal	155.04	61.58	42.84	48.50	45.57	25.33	23.49	69.34	182.17	299.53	386.87	339.13
Barataria Waterway at Lafitte (USACE82875)	58.93	17.22	14.85	13.87	17.22	12.62	15.42	20.78	23.51	56.60	100.85	69.38
USGS2928590900040000 Barataria Waterway South of Lafitte	13.17	10.97	12.36	11.70	12.04	12.38	13.07	14.63	30.06	46.31	80.84	76.56
USGS7380251 Barataria Bay North of Grand Isle	13.91	11.06	12.13	11.45	11.91	11.90	12.38	13.13	13.64	17.89	36.90	28.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.70	11.05	12.36	11.64	12.13	12.17	12.78	24.25	62.88	96.90	183.75	134.69
USGS 07380335 - Little Lake Near Cutoff	30.89	11.88	13.22	12.09	12.86	12.11	12.63	41.09	113.56	188.54	288.90	243.32
USGS073802516 Barataria Pass at Grand Isle	31.60	13.58	13.58	13.78	17.14	12.97	12.55	47.39	96.51	157.05	222.04	206.67
HWQ14 - Lake Washington	20.08	11.96	11.14	11.41	14.54	11.04	10.52	14.40	32.81	42.11	73.93	61.19
HWQ16 - Bayou Grand Liard	272.12	81.36	97.36	75.98	87.89	86.17	148.28	249.47	348.16	477.05	552.86	495.30
CRMS 3985	15.18	11.52	11.70	11.19	11.75	11.32	11.73	12.14	11.42	13.84	21.33	20.77
CRMS 0258	32.06	11.83	12.52	12.37	14.04	11.93	12.53	17.02	86.94	179.01	257.61	259.59
CRMS 0224	25.66	11.59	12.59	11.98	13.29	12.03	12.65	22.08	92.09	156.64	250.58	231.35
CRMS 0163	36.47	12.46	13.41	16.31	15.48	12.88	16.24	21.24	24.64	51.09	65.55	43.24
CRMS 0162	63.12	41.39	55.82	84.43	87.01	40.63	16.24	30.97	122.16	107.48	246.47	81.58

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-71.99	-95.91	-73.32	-79.30	-82.65	-63.26	-43.58	-32.13	-36.98	-40.28	-84.33	-111.91
CRMS0276 - Just east of Wilkinson Canal	-172.14	-54.70	-62.29	-46.49	-51.15	-43.70	-97.15	-105.14	-27.47	-22.35	-19.29	-20.68
Barataria Waterway at Lafitte (USACE82875)	-2.41	0.95	-0.10	0.17	-0.11	-0.20	-1.07	-2.35	-2.22	-6.84	-3.31	-3.14
USGS2928590900040000 Barataria Waterway South of Lafitte	-123.34	-139.62	-96.52	-85.39	-86.69	-63.10	-55.60	-49.43	-51.86	-52.30	-88.78	-124.78
USGS7380251 Barataria Bay North of Grand Isle	-28.83	-43.05	-39.47	-59.11	-66.94	-52.30	-33.50	-21.27	-11.00	-8.45	-16.54	-21.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	-180.80	-175.20	-111.74	-123.37	-127.45	-101.72	-89.23	-102.30	-37.43	-26.35	-54.77	-91.96
USGS 07380335 - Little Lake Near Cutoff	-267.28	-214.42	-143.36	-144.28	-149.70	-115.58	-121.85	-143.44	-41.00	-22.69	-49.41	-80.72
USGS073802516 Barataria Pass at Grand Isle	-210.16	-209.34	-140.53	-167.89	-182.19	-155.63	-145.63	-152.28	-37.91	-16.21	-30.48	-68.04
HWQ14 - Lake Washington	-58.66	-82.74	-65.91	-95.48	-112.83	-99.02	-72.43	-62.34	-18.65	-6.12	-12.19	-29.11
HWQ16 - Bayou Grand Liard	-248.89	-247.10	-214.77	-233.44	-193.61	-152.00	-180.61	-132.38	-40.20	-12.54	-24.25	-35.94
CRMS 3985	-8.14	-16.61	-19.18	-38.07	-48.33	-43.81	-27.78	-15.26	-8.10	-5.13	-3.54	-5.23
CRMS 0258	-179.54	-156.88	-76.18	-72.09	-66.36	-34.83	-41.05	-50.32	-48.19	-30.34	-47.92	-64.16
CRMS 0224	-211.04	-197.63	-119.72	-110.07	-109.94	-80.36	-86.25	-104.98	-54.03	-30.45	-47.23	-86.57
CRMS 0163	0.33	0.26	-0.14	0.07	-0.27	-0.20	-1.67	-1.67	-2.76	-7.90	-0.38	-2.49
CRMS 0162	6.95	6.01	6.12	2.70	-3.12	3.75	0.90	-0.84	-38.18	-101.82	-16.98	-29.51

Figure WQ SO4 109 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	74.81	115.32	92.08	100.00	88.22	59.90	48.48	49.52	66.01	66.38	110.08	124.41
CRMS0276 - Just east of Wilkinson Canal	256.37	340.73	194.02	87.64	52.94	35.37	96.32	186.65	231.63	342.56	420.26	199.18
Barataria Waterway at Lafitte (USACE82875)	73.12	72.33	23.38	13.15	13.04	11.73	15.15	28.31	28.79	78.68	107.74	30.34
USGS2928590900040000 Barataria Waterway South of Lafitte	113.42	172.89	150.78	107.10	85.35	53.59	56.28	64.54	99.30	111.04	178.69	193.88
USGS7380251 Barataria Bay North of Grand Isle	33.34	50.78	39.48	69.02	75.63	58.88	41.83	37.70	29.91	29.33	55.61	47.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	164.85	218.75	133.88	134.07	127.63	95.72	86.52	140.49	119.95	133.18	248.99	216.71
USGS 07380335 - Little Lake Near Cutoff	253.84	303.33	194.87	154.25	141.59	102.51	113.99	201.31	177.95	224.36	351.01	288.33
USGS073802516 Barataria Pass at Grand Isle	201.40	273.67	162.73	178.04	175.79	138.07	137.03	217.10	155.26	184.91	262.51	254.62
HWQ14 - Lake Washington	62.83	89.15	57.39	103.48	123.59	98.47	72.35	86.89	61.38	53.69	89.82	93.97
HWQ16 - Bayou Grand Liard	492.26	512.00	376.47	296.90	218.73	186.85	304.17	404.58	409.04	506.81	587.91	422.72
CRMS 3985	16.67	24.79	21.46	42.86	57.47	52.46	37.28	30.01	22.66	20.70	24.96	19.90
CRMS 0258	162.43	276.04	198.08	82.93	58.94	28.88	41.42	66.31	165.56	219.48	320.39	254.45
CRMS 0224	183.11	280.63	209.68	121.31	101.35	67.12	80.53	131.13	169.36	199.66	311.68	293.75
CRMS 0163	65.11	53.28	14.63	12.79	12.98	11.72	17.10	29.93	30.18	77.55	60.12	15.87
CRMS 0162	132.43	173.68	38.89	67.78	33.33	21.36	14.56	36.32	216.15	380.53	243.42	33.78

V3PR7 HYST - cy 2 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.93	18.86	11.86	11.36	12.60	11.61	13.05	15.69	17.53	19.38	20.63	11.95
CRMS0276 - Just east of Wilkinson Canal	180.78	312.46	128.45	41.34	20.66	15.37	20.45	119.85	216.88	339.97	408.01	134.67
Barataria Waterway at Lafitte (USACE82875)	64.01	68.44	24.97	13.14	13.13	11.72	13.89	24.55	26.65	74.32	103.99	33.71
USGS2928590900040000 Barataria Waterway South of Lafitte	16.62	51.73	13.16	11.35	12.58	11.58	12.93	16.95	40.95	52.50	83.89	12.05
USGS7380251 Barataria Bay North of Grand Isle	13.47	26.35	13.07	11.30	12.50	11.43	12.09	13.11	15.85	20.52	38.32	13.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	57.42	128.29	18.97	11.39	12.53	11.50	12.54	49.72	83.99	109.41	185.15	14.88
USGS 07380335 - Little Lake Near Cutoff	124.66	213.65	30.10	11.64	12.52	11.47	12.55	97.58	142.96	209.22	299.50	25.65
USGS073802516 Barataria Pass at Grand Isle	93.05	193.58	34.91	12.85	12.84	11.69	11.85	108.17	125.90	175.26	228.32	40.19
HWQ14 - Lake Washington	19.72	50.95	17.90	11.51	12.27	11.16	10.23	23.10	45.21	49.20	76.01	26.80
HWQ16 - Bayou Grand Liard	405.72	465.99	147.20	62.32	42.47	54.13	135.60	342.50	389.06	502.84	565.87	191.77
CRMS 3985	13.69	17.90	13.34	11.19	12.23	11.33	11.38	10.92	12.01	15.74	22.55	16.20
CRMS 0258	27.25	174.31	45.56	11.70	12.68	11.37	12.25	23.82	120.39	198.24	279.86	48.51
CRMS 0224	53.96	180.49	34.67	11.57	12.58	11.41	12.38	44.63	122.13	174.93	268.75	36.72
CRMS 0163	58.90	50.02	14.96	12.91	12.95	11.69	15.08	26.46	28.06	69.11	60.60	16.64
CRMS 0162	130.91	148.15	43.72	74.12	33.05	23.67	15.13	34.59	141.91	283.66	230.80	37.13

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-58.88	-96.45	-80.22	-88.64	-75.63	-48.29	-35.44	-33.83	-48.48	-47.00	-89.45	-112.45
CRMS0276 - Just east of Wilkinson Canal	-75.59	-28.26	-65.57	-46.30	-32.29	-20.01	-75.87	-66.80	-14.74	-2.59	-12.25	-64.51
Barataria Waterway at Lafitte (USACE82875)	-9.10	-3.89	1.59	-0.02	0.08	-0.01	-1.27	-3.76	-2.14	-4.36	-3.75	3.37
USGS2928590900040000 Barataria Waterway South of Lafitte	-96.80	-121.16	-137.62	-95.75	-72.78	-42.01	-43.35	-47.59	-58.35	-58.54	-94.79	-181.83
USGS7380251 Barataria Bay North of Grand Isle	-19.87	-24.43	-26.41	-57.72	-63.13	-47.45	-29.75	-24.59	-14.06	-8.82	-17.29	-34.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	-107.43	-90.45	-114.92	-122.68	-115.10	-84.21	-73.98	-90.77	-35.96	-23.77	-63.84	-201.83
USGS 07380335 - Little Lake Near Cutoff	-129.18	-89.69	-164.78	-142.61	-129.07	-91.04	-101.44	-103.73	-34.99	-15.14	-51.51	-262.67
USGS073802516 Barataria Pass at Grand Isle	-108.36	-80.10	-127.81	-165.18	-162.95	-126.38	-125.18	-108.93	-29.36	-9.65	-34.19	-214.43
HWQ14 - Lake Washington	-43.11	-38.21	-39.48	-91.96	-111.32	-87.31	-62.12	-63.79	-16.17	-4.49	-13.81	-67.18
HWQ16 - Bayou Grand Liard	-86.54	-46.01	-229.27	-234.58	-176.26	-132.72	-168.57	-62.08	-19.98	-3.97	-22.04	-230.95
CRMS 3985	-2.98	-6.89	-8.12	-31.67	-45.25	-41.13	-25.90	-19.10	-10.65	-4.96	-2.41	-3.70
CRMS 0258	-135.18	-101.73	-152.51	-71.24	-46.26	-17.51	-29.17	-42.49	-45.17	-21.23	-40.54	-205.95
CRMS 0224	-129.15	-100.14	-175.02	-109.74	-88.77	-55.71	-68.15	-86.49	-47.22	-24.73	-42.93	-257.03
CRMS 0163	-6.20	-3.26	0.33	0.12	-0.03	-0.02	-2.02	-3.47	-2.12	-8.44	0.48	0.76
CRMS 0162	-1.52	-25.53	4.82	6.34	-0.28	2.30	0.57	-1.73	-74.24	-96.86	-12.62	3.35

Figure WQ SO4 110 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.62	78.29	70.45	75.05	76.39	65.65	57.44	48.04	76.50	76.48	97.22	106.36
CRMS0276 - Just east of Wilkinson Canal	173.24	183.18	92.34	70.88	89.76	140.27	196.64	327.36	295.95	377.31	287.37	108.17
Barataria Waterway at Lafitte (USACE82875)	25.72	28.71	12.82	12.16	15.15	21.33	39.69	68.41	36.33	78.32	49.39	15.20
USGS2928590900040000 Barataria Waterway South of Lafitte	95.04	111.23	98.79	76.15	77.21	71.63	70.65	69.65	130.53	133.98	160.34	150.93
USGS7380251 Barataria Bay North of Grand Isle	40.44	40.27	38.47	59.44	65.46	53.97	41.47	27.62	27.08	29.83	49.14	49.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	140.33	149.39	107.32	112.81	117.86	105.95	113.25	160.72	143.00	150.21	219.81	175.16
USGS 07380335 - Little Lake Near Cutoff	198.52	205.09	142.74	130.29	139.97	130.06	173.15	290.04	216.94	250.58	303.09	216.54
USGS073802516 Barataria Pass at Grand Isle	173.64	195.26	135.20	155.43	176.21	175.75	190.15	271.24	185.49	205.11	234.86	204.35
HWQ14 - Lake Washington	69.76	68.48	58.61	92.21	109.75	96.49	79.35	63.81	62.86	57.31	82.76	90.69
HWQ16 - Bayou Grand Liard	393.13	381.94	287.96	270.82	262.04	299.48	446.21	571.40	470.44	529.13	491.41	328.58
CRMS 3985	24.09	23.40	22.60	41.27	50.55	46.21	33.51	21.63	19.28	20.05	21.53	24.88
CRMS 0258	107.45	140.32	104.54	60.60	60.55	61.49	78.28	116.35	239.28	263.44	238.82	168.73
CRMS 0224	147.64	180.03	132.54	94.73	99.78	99.46	118.15	177.03	225.67	234.19	277.11	210.85
CRMS 0163	19.97	21.09	11.42	12.04	14.27	23.00	55.55	68.47	37.93	72.18	24.75	12.00
CRMS 0162	47.24	78.21	23.92	55.83	92.67	70.86	38.89	164.16	312.14	341.71	97.17	21.27

V3PR8 HYST - cy 2 - 1985 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	11.92	13.77	10.99	11.01	12.71	14.76	16.46	18.19	18.29	18.70	13.71	10.92
CRMS0276 - Just east of Wilkinson Canal	52.85	149.50	43.40	37.14	42.91	94.71	128.24	308.86	320.39	393.35	261.50	61.83
Barataria Waterway at Lafitte (USACE82875)	35.00	61.38	30.34	18.23	24.46	40.62	69.35	158.07	100.36	126.96	104.81	41.81
USGS2928590900040000 Barataria Waterway South of Lafitte	11.85	13.85	10.99	11.00	12.58	14.03	15.12	25.90	65.84	57.22	13.72	10.91
USGS7380251 Barataria Bay North of Grand Isle	11.52	12.90	11.02	10.92	12.25	12.41	11.24	15.53	17.93	21.40	14.70	11.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.80	18.25	11.04	10.98	12.52	15.88	32.59	134.59	120.46	108.83	19.45	10.95
USGS 07380335 - Little Lake Near Cutoff	13.64	35.59	11.39	11.05	12.61	21.07	76.78	266.48	209.62	221.14	55.06	11.08
USGS073802516 Barataria Pass at Grand Isle	12.07	37.09	12.01	11.51	14.94	38.62	97.07	269.97	177.03	183.90	46.90	12.37
HWQ14 - Lake Washington	10.94	12.89	10.81	10.52	12.33	15.03	18.17	58.77	54.48	46.61	20.93	12.25
HWQ16 - Bayou Grand Liard	152.89	239.44	59.24	53.52	88.60	201.02	385.61	561.70	467.48	524.59	330.35	77.18
CRMS 3985	11.19	11.86	11.08	10.72	11.62	11.73	10.43	10.50	14.24	17.31	15.72	11.47
CRMS 0258	11.53	22.65	11.22	11.19	13.04	20.94	17.54	61.23	219.35	244.89	43.31	11.03
CRMS 0224	11.69	26.72	11.17	11.07	12.72	19.68	31.16	133.66	198.23	200.69	42.61	11.05
CRMS 0163	19.20	22.04	11.89	11.90	13.97	19.81	45.99	60.46	28.78	56.46	28.72	12.85
CRMS 0162	58.33	86.83	27.72	69.78	97.09	65.48	28.25	120.17	243.96	239.04	110.77	23.64

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-55.70	-64.52	-59.47	-64.05	-63.68	-50.89	-40.99	-29.85	-58.21	-57.78	-83.51	-95.43
CRMS0276 - Just east of Wilkinson Canal	-120.39	-33.68	-48.94	-33.74	-46.85	-45.56	-68.40	-18.50	24.44	16.04	-25.87	-46.34
Barataria Waterway at Lafitte (USACE82875)	9.27	32.67	17.52	6.07	9.31	19.29	29.67	89.66	64.03	48.64	55.42	26.61
USGS2928590900040000 Barataria Waterway South of Lafitte	-83.19	-97.38	-87.80	-65.15	-64.63	-57.60	-55.53	-43.75	-64.69	-76.77	-146.62	-140.02
USGS7380251 Barataria Bay North of Grand Isle	-28.92	-27.36	-27.45	-48.53	-53.21	-41.56	-30.23	-12.09	-9.15	-8.44	-34.45	-38.98
USGS73802515 Hackberry Bay Northwest of Grand Isle	-128.53	-131.15	-96.28	-101.83	-105.33	-90.07	-80.66	-26.13	-22.54	-41.38	-200.36	-164.21
USGS 07380335 - Little Lake Near Cutoff	-184.88	-169.51	-131.35	-119.24	-127.36	-109.00	-96.37	-23.56	-7.32	-29.45	-248.03	-205.46
USGS073802516 Barataria Pass at Grand Isle	-161.57	-158.17	-123.19	-143.92	-161.27	-137.12	-93.08	-1.28	-8.46	-21.21	-187.95	-191.97
HWQ14 - Lake Washington	-58.82	-55.59	-47.80	-81.69	-97.41	-81.46	-61.18	-5.04	-8.37	-10.70	-61.83	-78.45
HWQ16 - Bayou Grand Liard	-240.24	-142.51	-228.72	-217.30	-173.44	-98.46	-60.60	-9.71	-2.95	-4.53	-161.06	-251.40
CRMS 3985	-12.90	-11.53	-11.53	-30.56	-38.93	-34.47	-23.08	-11.13	-5.04	-2.74	-5.81	-13.41
CRMS 0258	-95.92	-117.67	-93.32	-49.41	-47.52	-40.55	-60.75	-55.12	-19.93	-18.54	-195.51	-157.71
CRMS 0224	-135.95	-153.32	-121.36	-83.66	-87.06	-79.78	-86.99	-43.37	-27.44	-33.50	-234.51	-199.80
CRMS 0163	-0.77	0.96	0.47	-0.14	-0.31	-3.20	-9.56	-8.00	-9.15	-15.73	3.97	0.84
CRMS 0162	11.09	8.62	3.80	13.95	4.42	-5.38	-10.65	-43.99	-68.18	-102.68	13.61	2.37

Figure WQ SO4 111 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	79.92	101.72	79.40	74.83	74.25	55.41	53.43	43.67	68.77	74.69	117.99	131.71
CRMS0276 - Just east of Wilkinson Canal	281.32	142.13	77.91	73.98	54.51	102.25	203.80	281.32	302.30	403.94	417.68	278.08
Barataria Waterway at Lafitte (USACE82875)	66.72	19.70	11.91	12.34	11.56	19.71	36.34	55.72	41.20	115.07	100.49	45.82
USGS2928590900040000 Barataria Waterway South of Lafitte	124.64	146.53	105.61	76.22	71.17	53.64	64.31	63.58	118.06	131.44	193.44	208.22
USGS7380251 Barataria Bay North of Grand Isle	40.74	49.68	43.73	59.92	65.70	51.63	40.15	25.39	24.93	29.43	58.44	53.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	181.54	183.26	110.54	112.76	112.78	93.24	111.56	139.57	131.92	152.63	259.39	222.55
USGS 07380335 - Little Lake Near Cutoff	273.23	231.33	139.51	130.89	127.91	112.71	172.42	246.52	205.52	257.97	362.61	305.43
USGS073802516 Barataria Pass at Grand Isle	220.63	222.86	136.32	153.88	160.44	155.06	191.69	238.83	172.79	209.58	271.87	264.14
HWQ14 - Lake Washington	72.73	87.33	65.65	92.65	109.60	88.40	75.51	60.19	57.13	56.87	94.50	95.16
HWQ16 - Bayou Grand Liard	506.37	352.29	273.53	270.04	216.84	273.91	445.44	509.07	463.78	548.40	585.66	478.82
CRMS 3985	22.79	26.11	24.53	41.85	51.19	45.12	31.88	19.92	18.64	19.91	26.11	27.14
CRMS 0258	175.60	173.07	91.30	62.87	49.29	39.19	70.70	104.82	226.48	275.74	350.04	275.18
CRMS 0224	207.34	215.75	126.55	96.01	88.31	74.51	113.99	156.13	211.16	237.16	331.27	310.13
CRMS 0163	50.92	13.75	11.20	11.89	11.37	23.93	43.46	58.73	45.32	114.79	54.40	25.32
CRMS 0162	80.41	52.22	25.29	55.25	43.67	54.96	21.28	137.60	392.67	481.52	222.33	54.75

V3PR8 HYST - cy 2 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.45	11.50	10.85	10.94	10.99	15.13	15.77	17.61	18.95	20.06	19.65	14.85
CRMS0276 - Just east of Wilkinson Canal	199.49	102.35	30.55	40.46	20.02	71.22	159.36	263.43	329.32	421.67	444.89	284.37
Barataria Waterway at Lafitte (USACE82875)	116.45	62.60	21.50	19.23	14.66	25.65	70.48	124.61	105.98	148.96	176.08	116.58
USGS2928590900040000 Barataria Waterway South of Lafitte	14.81	11.51	10.85	10.93	10.97	13.79	15.22	23.82	62.96	64.23	92.86	61.03
USGS7380251 Barataria Bay North of Grand Isle	14.35	11.63	10.84	10.89	10.93	10.76	10.27	16.14	19.65	23.60	36.81	22.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.21	11.73	10.87	10.93	10.96	17.10	42.21	121.79	122.34	133.37	197.82	76.00
USGS 07380335 - Little Lake Near Cutoff	55.14	14.23	11.16	11.01	10.97	27.22	95.33	226.17	211.60	254.77	318.93	140.16
USGS073802516 Barataria Pass at Grand Isle	47.35	17.17	11.41	11.31	11.41	47.39	118.01	238.43	182.01	208.27	234.44	126.21
HWQ14 - Lake Washington	17.25	12.21	10.56	10.50	10.92	11.93	21.03	60.59	57.94	54.21	69.00	42.84
HWQ16 - Bayou Grand Liard	377.50	123.38	56.15	53.58	43.93	199.39	392.87	492.94	470.89	547.11	574.60	386.00
CRMS 3985	13.87	11.88	10.82	10.70	10.85	10.07	9.09	10.53	14.91	18.23	21.42	18.92
CRMS 0258	28.19	13.83	10.91	11.18	11.08	13.77	24.41	56.81	208.67	266.11	319.01	163.71
CRMS 0224	31.65	13.56	10.91	11.06	11.00	15.80	44.72	115.73	193.61	222.04	292.74	153.43
CRMS 0163	51.80	15.98	11.37	11.82	11.25	18.94	35.57	51.95	32.43	72.88	54.69	28.56
CRMS 0162	88.22	63.36	32.73	60.44	48.77	63.43	21.10	104.39	313.31	367.73	219.24	53.89

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-65.47	-90.21	-68.54	-63.90	-63.26	-40.28	-37.66	-26.06	-49.82	-54.63	-98.34	-116.86
CRMS0276 - Just east of Wilkinson Canal	-81.83	-39.79	-47.36	-33.51	-34.50	-31.03	-44.44	-17.89	27.01	17.73	27.21	6.29
Barataria Waterway at Lafitte (USACE82875)	49.73	42.90	9.59	6.89	3.10	5.93	34.14	68.89	64.78	33.89	75.59	70.77
USGS2928590900040000 Barataria Waterway South of Lafitte	-109.83	-135.02	-94.77	-65.29	-60.20	-39.85	-49.09	-39.76	-55.11	-67.21	-100.58	-147.19
USGS7380251 Barataria Bay North of Grand Isle	-26.39	-38.05	-32.89	-49.03	-54.76	-40.88	-29.88	-9.25	-5.28	-5.84	-21.63	-30.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	-156.33	-171.54	-99.67	-101.83	-101.83	-76.14	-69.35	-17.78	-9.59	-19.27	-61.57	-146.55
USGS 07380335 - Little Lake Near Cutoff	-218.09	-217.10	-128.35	-119.88	-116.93	-85.49	-77.09	-20.35	6.09	-3.20	-43.68	-165.27
USGS073802516 Barataria Pass at Grand Isle	-173.28	-205.69	-124.92	-142.57	-149.03	-107.67	-73.68	-0.39	9.22	-1.31	-37.43	-137.92
HWQ14 - Lake Washington	-55.48	-75.12	-55.09	-82.15	-98.68	-76.47	-54.47	0.41	0.81	-2.66	-25.50	-52.32
HWQ16 - Bayou Grand Liard	-128.87	-228.91	-217.38	-216.46	-172.91	-74.51	-52.57	-16.14	7.12	-1.28	-11.06	-92.82
CRMS 3985	-8.92	-14.23	-13.71	-31.14	-40.34	-35.06	-22.78	-9.39	-3.74	-1.67	-4.69	-8.22
CRMS 0258	-147.41	-159.25	-80.39	-51.69	-38.20	-25.42	-46.29	-48.02	-17.81	-9.63	-31.03	-111.47
CRMS 0224	-175.69	-202.19	-115.64	-84.95	-77.32	-58.71	-69.27	-40.41	-17.55	-15.12	-38.54	-156.71
CRMS 0163	0.88	2.23	0.17	-0.06	-0.11	-4.99	-7.90	-6.78	-12.89	-41.91	0.29	3.24
CRMS 0162	7.81	11.14	7.43	5.19	5.11	8.48	-0.18	-33.20	-79.35	-113.79	-3.09	-0.87

Figure WQ SO4 112 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	82.54	123.94	90.44	114.35	123.98	102.60	55.03	45.60	83.69	90.20	113.73	113.13
CRMS0276 - Just east of Wilkinson Canal	384.04	220.98	235.38	181.13	165.75	209.24	272.89	376.15	398.60	403.88	349.74	280.03
Barataria Waterway at Lafitte (USACE82875)	127.32	37.56	36.23	29.22	27.38	36.77	75.98	99.36	196.12	83.13	72.91	53.63
USGS2928590900040000 Barataria Waterway South of Lafitte	126.16	183.50	135.97	139.83	146.03	118.46	75.53	68.10	147.59	164.09	191.50	174.30
USGS7380251 Barataria Bay North of Grand Isle	39.40	57.29	39.46	63.10	76.39	62.83	30.18	24.47	27.50	32.64	55.03	46.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	203.32	225.56	130.43	153.47	158.38	132.90	90.67	184.88	169.29	178.47	243.00	196.92
USGS 07380335 - Little Lake Near Cutoff	321.53	290.30	192.93	196.19	196.29	167.68	174.77	329.90	271.85	289.82	335.81	277.68
USGS073802516 Barataria Pass at Grand Isle	247.64	272.39	163.15	206.86	230.87	217.10	180.90	309.12	218.06	234.28	255.56	243.44
HWQ14 - Lake Washington	72.21	102.18	57.29	97.15	123.65	106.74	51.57	65.22	66.83	65.41	90.29	83.62
HWQ16 - Bayou Grand Liard	594.03	440.25	420.30	388.96	350.29	372.65	533.76	614.77	545.93	552.44	538.62	477.68
CRMS 3985	22.32	28.30	22.03	33.77	47.28	47.52	23.73	19.35	19.49	20.51	23.07	24.74
CRMS 0258	210.72	236.23	192.87	137.87	131.65	127.41	114.51	121.64	299.30	349.65	298.99	234.13
CRMS 0224	226.51	278.24	189.33	170.44	173.74	145.06	121.19	191.77	272.37	288.58	315.10	270.14
CRMS 0163	97.95	25.60	25.61	29.61	22.45	45.75	94.62	109.22	224.22	66.82	38.15	37.21
CRMS 0162	166.93	82.30	105.70	157.58	127.56	106.56	181.83	412.92	629.83	276.37	132.45	60.29

V3PR8 HYST - cy 2 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.81	14.33	15.63	15.80	14.51	17.16	18.67	19.58	20.01	18.98	18.22	16.64
CRMS0276 - Just east of Wilkinson Canal	358.91	206.51	237.67	180.65	147.86	191.17	260.81	384.79	396.69	405.38	364.77	294.28
Barataria Waterway at Lafitte (USACE82875)	182.73	104.48	93.81	66.12	61.14	75.14	159.07	234.59	170.15	128.12	124.07	105.72
USGS2928590900040000 Barataria Waterway South of Lafitte	37.35	14.26	19.44	22.51	14.79	22.65	19.42	29.46	75.71	69.25	88.64	69.36
USGS7380251 Barataria Bay North of Grand Isle	21.40	14.44	15.46	16.71	16.69	17.06	16.46	20.75	21.02	23.94	34.30	24.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	109.20	22.98	41.52	48.37	21.89	49.26	74.66	166.62	138.60	131.05	179.88	112.97
USGS 07380335 - Little Lake Near Cutoff	231.53	53.30	84.35	84.35	32.95	80.52	164.80	319.97	245.46	252.07	286.85	209.46
USGS073802516 Barataria Pass at Grand Isle	176.25	68.11	82.25	95.51	66.82	129.32	187.89	320.85	203.53	202.11	212.63	178.41
HWQ14 - Lake Washington	38.38	22.59	24.07	32.07	36.54	42.08	41.34	78.89	60.06	50.64	64.12	46.89
HWQ16 - Bayou Grand Liard	556.71	313.53	353.30	307.83	226.39	327.23	530.92	616.89	527.89	534.40	522.87	452.97
CRMS 3985	17.31	15.07	13.69	13.66	16.39	15.55	13.98	14.09	17.19	18.88	20.53	18.88
CRMS 0258	138.91	43.60	63.19	62.30	44.66	72.34	54.72	84.15	263.10	297.63	255.92	190.02
CRMS 0224	146.33	46.02	63.27	61.32	43.98	61.77	80.94	167.41	231.71	236.36	266.51	200.48
CRMS 0163	92.66	27.26	26.07	25.86	21.48	36.51	84.84	95.25	74.65	51.27	37.61	33.95
CRMS 0162	153.88	89.83	112.94	161.87	136.09	96.35	138.25	347.77	546.96	183.04	133.64	56.10

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-64.72	-109.61	-74.81	-98.55	-109.47	-85.44	-36.35	-26.02	-63.69	-71.21	-95.51	-96.49
CRMS0276 - Just east of Wilkinson Canal	-25.13	-14.48	2.29	-0.48	-17.89	-18.07	-12.08	8.64	-1.91	1.50	15.03	14.25
Barataria Waterway at Lafitte (USACE82875)	55.41	66.92	57.58	36.90	33.76	38.36	83.09	135.23	-25.97	44.99	51.17	52.10
USGS2928590900040000 Barataria Waterway South of Lafitte	-88.82	-169.24	-116.53	-117.32	-131.24	-95.81	-56.12	-38.64	-71.88	-94.84	-102.85	-104.94
USGS7380251 Barataria Bay North of Grand Isle	-18.00	-42.85	-24.00	-46.40	-59.70	-45.77	-13.71	-3.71	-6.47	-8.70	-20.73	-21.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	-94.12	-202.58	-88.91	-105.10	-136.49	-83.64	-16.01	-18.26	-30.69	-47.42	-63.12	-83.96
USGS 07380335 - Little Lake Near Cutoff	-89.99	-237.01	-108.58	-111.84	-163.33	-87.15	-9.96	-9.93	-26.40	-37.75	-48.97	-68.22
USGS073802516 Barataria Pass at Grand Isle	-71.39	-204.28	-80.90	-111.35	-164.06	-87.78	6.98	11.72	-14.53	-32.17	-42.93	-65.03
HWQ14 - Lake Washington	-33.82	-79.58	-33.22	-65.08	-87.11	-64.66	-10.23	13.67	-6.77	-14.77	-26.17	-36.73
HWQ16 - Bayou Grand Liard	-37.32	-126.72	-66.99	-81.13	-123.91	-45.42	-2.84	2.12	-18.04	-18.03	-15.75	-24.71
CRMS 3985	-5.01	-13.24	-8.35	-20.11	-30.90	-31.97	-9.75	-5.26	-2.30	-1.64	-2.54	-5.86
CRMS 0258	-71.82	-192.62	-129.68	-75.57	-86.98	-55.07	-59.79	-37.49	-36.20	-52.02	-43.08	-44.11
CRMS 0224	-80.18	-232.22	-126.06	-109.13	-129.76	-83.30	-40.25	-24.36	-40.66	-52.22	-48.59	-69.66
CRMS 0163	-5.29	1.66	0.46	-3.75	-0.97	-9.24	-9.77	-13.97	-149.57	-15.54	-0.54	-3.26
CRMS 0162	-13.05	7.53	7.23	4.29	8.53	-10.21	-43.58	-65.15	-82.87	-93.33	1.19	-4.19

Figure WQ SO4 113 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	84.63	106.89	85.70	91.07	94.69	75.71	56.75	46.89	53.79	58.17	104.85	129.93
CRMS0276 - Just east of Wilkinson Canal	327.18	116.28	105.13	94.99	96.72	69.03	120.64	174.48	209.64	321.88	406.16	359.82
Barataria Waterway at Lafitte (USACE82875)	61.34	16.28	14.95	13.70	17.34	12.82	16.49	23.13	25.73	63.44	104.16	72.52
USGS2928590900040000 Barataria Waterway South of Lafitte	136.51	150.58	108.87	97.09	98.73	75.48	68.67	64.05	81.92	98.61	169.62	201.34
USGS7380251 Barataria Bay North of Grand Isle	42.74	54.12	51.60	70.56	78.85	64.20	45.88	34.40	24.64	26.34	53.44	50.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	198.50	186.24	124.10	135.01	139.58	113.89	102.02	126.55	100.31	123.26	238.52	226.65
USGS 07380335 - Little Lake Near Cutoff	298.17	226.31	156.59	156.37	162.56	127.69	134.47	184.52	154.57	211.23	338.31	324.04
USGS073802516 Barataria Pass at Grand Isle	241.77	222.92	154.11	181.67	199.32	168.59	158.18	199.67	134.42	173.26	252.51	274.71
HWQ14 - Lake Washington	78.73	94.70	77.04	106.89	127.37	110.06	82.95	76.74	51.46	48.23	86.12	90.30
HWQ16 - Bayou Grand Liard	521.01	328.46	312.13	309.42	281.50	238.17	328.89	381.85	388.36	489.59	577.11	531.24
CRMS 3985	23.32	28.14	30.88	49.26	60.08	55.13	39.52	27.40	19.51	18.97	24.86	26.00
CRMS 0258	211.60	168.72	88.70	84.46	80.40	46.76	53.59	67.33	135.13	209.35	305.53	323.75
CRMS 0224	236.70	209.22	132.31	122.05	123.24	92.39	98.90	127.05	146.12	187.09	297.81	317.92
CRMS 0163	36.13	12.20	13.55	16.25	15.75	13.09	17.90	22.91	27.40	58.99	65.93	45.72
CRMS 0162	56.17	35.38	49.70	81.73	90.13	36.88	15.35	31.81	160.34	209.30	263.45	111.08

V3PR8 HYST - cy 2 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.66	10.97	12.38	11.77	12.04	12.45	13.17	14.76	16.89	18.03	20.28	18.14
CRMS0276 - Just east of Wilkinson Canal	170.87	72.25	48.79	59.28	53.59	28.04	24.03	76.83	215.25	348.88	434.14	392.78
Barataria Waterway at Lafitte (USACE82875)	115.58	44.17	28.05	27.04	32.35	18.12	24.37	40.70	50.94	100.28	169.51	165.28
USGS2928590900040000 Barataria Waterway South of Lafitte	13.18	10.97	12.36	11.70	12.05	12.38	13.07	14.63	32.56	49.14	83.17	77.90
USGS7380251 Barataria Bay North of Grand Isle	12.51	10.93	12.04	11.43	11.88	11.89	12.38	13.13	13.88	17.96	33.34	22.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	17.14	11.00	12.31	11.66	12.13	12.19	12.83	24.11	67.35	103.86	184.00	131.91
USGS 07380335 - Little Lake Near Cutoff	30.33	11.73	13.01	12.04	12.85	12.09	12.63	42.80	128.86	208.88	298.78	250.06
USGS073802516 Barataria Pass at Grand Isle	28.34	12.90	13.22	13.88	17.69	12.93	12.43	48.97	107.20	170.70	222.15	207.48
HWQ14 - Lake Washington	14.09	10.52	10.58	11.12	13.98	10.92	10.51	14.28	32.14	40.60	64.28	49.75
HWQ16 - Bayou Grand Liard	276.77	85.56	101.47	84.26	97.89	92.38	150.70	262.68	370.45	499.29	567.25	512.06
CRMS 3985	10.36	10.79	11.38	11.07	11.67	11.28	11.70	12.09	11.38	13.83	18.53	11.88
CRMS 0258	32.04	11.73	12.49	12.32	14.25	11.94	12.56	17.16	99.81	204.69	281.38	276.42
CRMS 0224	25.76	11.52	12.56	11.95	13.44	12.01	12.65	22.39	102.03	174.46	265.63	238.76
CRMS 0163	45.30	13.18	13.70	16.39	16.12	12.83	16.55	20.53	21.86	46.63	64.46	44.83
CRMS 0162	65.85	44.03	63.74	89.74	96.73	41.72	16.10	30.75	110.38	137.51	248.48	81.53

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-71.97	-95.91	-73.32	-79.30	-82.65	-63.26	-43.58	-32.13	-36.90	-40.15	-84.57	-111.79
CRMS0276 - Just east of Wilkinson Canal	-156.31	-44.03	-56.34	-35.71	-43.13	-40.99	-96.61	-97.65	5.61	27.00	27.97	32.96
Barataria Waterway at Lafitte (USACE82875)	54.24	27.89	13.09	13.35	15.01	5.30	7.88	17.57	25.21	36.84	65.35	92.77
USGS2928590900040000 Barataria Waterway South of Lafitte	-123.32	-139.62	-96.51	-85.39	-86.69	-63.10	-55.60	-49.42	-49.35	-49.47	-86.45	-123.45
USGS7380251 Barataria Bay North of Grand Isle	-30.23	-43.19	-39.56	-59.14	-66.97	-52.32	-33.50	-21.28	-10.77	-8.38	-20.10	-28.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	-181.36	-175.24	-111.78	-123.36	-127.45	-101.70	-89.19	-102.45	-32.97	-19.39	-54.52	-94.74
USGS 07380335 - Little Lake Near Cutoff	-267.83	-214.58	-143.57	-144.32	-149.71	-115.59	-121.84	-141.73	-25.71	-2.35	-39.52	-73.98
USGS073802516 Barataria Pass at Grand Isle	-213.43	-210.02	-140.89	-167.80	-181.63	-155.66	-145.75	-150.69	-27.22	-2.56	-30.36	-67.23
HWQ14 - Lake Washington	-64.64	-84.18	-66.47	-95.77	-113.39	-99.14	-72.43	-62.46	-19.32	-7.63	-21.84	-40.56
HWQ16 - Bayou Grand Liard	-244.24	-242.91	-210.66	-225.16	-183.60	-145.79	-178.19	-119.17	-17.91	9.70	-9.86	-19.18
CRMS 3985	-12.96	-17.34	-19.50	-38.19	-48.41	-43.85	-27.81	-15.31	-8.13	-5.14	-6.33	-14.12
CRMS 0258	-179.56	-156.99	-76.21	-72.14	-66.15	-34.82	-41.03	-50.18	-35.32	-4.66	-24.15	-47.32
CRMS 0224	-210.94	-197.70	-119.75	-110.10	-109.80	-80.37	-86.24	-104.66	-44.09	-12.64	-32.18	-79.16
CRMS 0163	9.17	0.98	0.14	0.14	0.36	-0.26	-1.36	-2.38	-5.53	-12.36	-1.47	-0.90
CRMS 0162	9.67	8.65	14.04	8.01	6.61	4.84	0.75	-1.06	-49.96	-71.79	-14.97	-29.55

Figure WQ SO4 114 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	74.81	115.32	92.08	100.00	88.22	59.90	48.48	49.52	66.01	66.38	110.08	124.41
CRMS0276 - Just east of Wilkinson Canal	256.37	340.73	194.02	87.64	52.94	35.37	96.32	186.65	231.63	342.56	420.26	199.18
Barataria Waterway at Lafitte (USACE82875)	73.12	72.33	23.38	13.15	13.04	11.73	15.15	28.31	28.79	78.68	107.74	30.34
USGS2928590900040000 Barataria Waterway South of Lafitte	113.42	172.89	150.78	107.10	85.35	53.59	56.28	64.54	99.30	111.04	178.69	193.88
USGS7380251 Barataria Bay North of Grand Isle	33.34	50.78	39.48	69.02	75.63	58.88	41.83	37.70	29.91	29.33	55.61	47.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	164.85	218.75	133.88	134.07	127.63	95.72	86.52	140.49	119.95	133.18	248.99	216.71
USGS 07380335 - Little Lake Near Cutoff	253.84	303.33	194.87	154.25	141.59	102.51	113.99	201.31	177.95	224.36	351.01	288.33
USGS073802516 Barataria Pass at Grand Isle	201.40	273.67	162.73	178.04	175.79	138.07	137.03	217.10	155.26	184.91	262.51	254.62
HWQ14 - Lake Washington	62.83	89.15	57.39	103.48	123.59	98.47	72.35	86.89	61.38	53.69	89.82	93.97
HWQ16 - Bayou Grand Liard	492.26	512.00	376.47	296.90	218.73	186.85	304.17	404.58	409.04	506.81	587.91	422.72
CRMS 3985	16.67	24.79	21.46	42.86	57.47	52.46	37.28	30.01	22.66	20.70	24.96	19.90
CRMS 0258	162.43	276.04	198.08	82.93	58.94	28.88	41.42	66.31	165.56	219.48	320.39	254.45
CRMS 0224	183.11	280.63	209.68	121.31	101.35	67.12	80.53	131.13	169.36	199.66	311.68	293.75
CRMS 0163	65.11	53.28	14.63	12.79	12.98	11.72	17.10	29.93	30.18	77.55	60.12	15.87
CRMS 0162	132.43	173.68	38.89	67.78	33.33	21.36	14.56	36.32	216.15	380.53	243.42	33.78

V3PR8 HYST - cy 2 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.92	18.50	11.85	11.36	12.58	11.61	13.05	15.69	17.46	19.30	19.87	11.95
CRMS0276 - Just east of Wilkinson Canal	188.94	347.27	142.69	51.10	22.87	16.34	21.71	132.33	251.72	374.34	448.23	157.65
Barataria Waterway at Lafitte (USACE82875)	95.54	149.68	84.73	25.55	16.83	12.55	18.40	49.25	66.77	120.53	179.95	98.46
USGS2928590900040000 Barataria Waterway South of Lafitte	16.29	50.63	13.03	11.35	12.55	11.58	12.93	17.05	43.20	53.99	81.86	12.03
USGS7380251 Barataria Bay North of Grand Isle	13.07	24.24	12.89	11.30	12.48	11.43	12.09	13.06	15.41	19.66	34.06	13.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	53.93	126.58	18.55	11.39	12.51	11.51	12.59	50.02	89.31	111.95	182.04	14.54
USGS 07380335 - Little Lake Near Cutoff	122.58	218.66	30.24	11.60	12.51	11.46	12.53	102.23	161.03	222.04	305.05	25.99
USGS073802516 Barataria Pass at Grand Isle	89.74	196.31	34.72	13.03	12.88	11.68	11.79	112.46	137.55	181.58	225.50	39.00
HWQ14 - Lake Washington	17.63	45.08	16.72	11.39	12.19	11.15	10.28	22.58	42.84	45.62	65.67	23.67
HWQ16 - Bayou Grand Liard	410.45	474.96	153.47	68.30	46.49	55.84	142.44	348.91	409.27	512.24	576.28	204.39
CRMS 3985	13.37	16.66	13.10	11.16	12.20	11.33	11.36	10.84	11.68	15.11	19.90	15.36
CRMS 0258	26.90	179.72	46.07	11.75	12.68	11.37	12.28	24.78	136.60	221.26	292.28	46.54
CRMS 0224	52.65	184.74	35.24	11.57	12.57	11.41	12.39	46.62	133.83	189.25	276.59	36.39
CRMS 0163	57.12	45.96	16.76	12.75	12.94	11.68	15.57	23.65	24.05	60.09	61.02	19.46
CRMS 0162	130.32	148.38	45.24	74.97	33.71	26.36	15.04	34.19	148.25	288.46	226.17	37.17

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-58.89	-96.81	-80.22	-88.64	-75.65	-48.29	-35.44	-33.83	-48.55	-47.09	-90.21	-112.45
CRMS0276 - Just east of Wilkinson Canal	-67.43	6.55	-51.33	-36.54	-30.07	-19.04	-74.61	-54.33	20.09	31.79	27.97	-41.53
Barataria Waterway at Lafitte (USACE82875)	22.42	77.35	61.35	12.40	3.79	0.83	3.25	20.94	37.98	41.85	72.21	68.12
USGS2928590900040000 Barataria Waterway South of Lafitte	-97.12	-122.26	-137.75	-95.75	-72.80	-42.01	-43.35	-47.49	-56.10	-57.05	-96.83	-181.85
USGS7380251 Barataria Bay North of Grand Isle	-20.27	-26.55	-26.59	-57.72	-63.16	-47.44	-29.74	-24.64	-14.50	-9.67	-21.55	-34.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	-110.92	-92.17	-115.33	-122.68	-115.12	-84.21	-73.93	-90.47	-30.64	-21.23	-66.95	-202.16
USGS 07380335 - Little Lake Near Cutoff	-131.26	-84.68	-164.63	-142.65	-129.08	-91.04	-101.46	-99.09	-16.92	-2.33	-45.96	-262.33
USGS073802516 Barataria Pass at Grand Isle	-111.67	-77.36	-128.01	-165.00	-162.91	-126.39	-125.24	-104.63	-17.70	-3.33	-37.01	-215.61
HWQ14 - Lake Washington	-45.20	-44.08	-40.67	-92.09	-111.39	-87.32	-62.08	-64.31	-18.54	-8.07	-24.15	-70.30
HWQ16 - Bayou Grand Liard	-81.82	-37.04	-223.00	-228.60	-172.23	-131.01	-161.73	-55.67	0.23	5.43	-11.63	-218.33
CRMS 3985	-3.30	-8.12	-8.36	-31.70	-45.28	-41.13	-25.92	-19.17	-10.98	-5.60	-5.06	-4.54
CRMS 0258	-135.53	-96.32	-152.01	-71.19	-46.26	-17.50	-29.14	-41.53	-28.97	1.78	-28.11	-207.92
CRMS 0224	-130.46	-95.89	-174.44	-109.75	-88.78	-55.71	-68.15	-84.51	-35.52	-10.41	-35.09	-257.36
CRMS 0163	-7.99	-7.32	2.14	-0.04	-0.04	-0.04	-1.52	-6.28	-6.13	-17.46	0.90	3.58
CRMS 0162	-2.11	-25.30	6.34	7.18	0.38	5.00	0.48	-2.12	-67.90	-92.07	-17.25	3.39

Figure WQ SO4 115 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 2 - 1985 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	67.62	78.29	70.45	75.05	76.39	65.65	57.44	48.04	76.50	76.48	97.22	106.36
CRMS0276 - Just east of Wilkinson Canal	173.24	183.18	92.34	70.88	89.76	140.27	196.64	327.36	295.95	377.31	287.37	108.17
Barataria Waterway at Lafitte (USACE82875)	25.72	28.71	12.82	12.16	15.15	21.33	39.69	68.41	36.33	78.32	49.39	15.20
USGS2928590900040000 Barataria Waterway South of Lafitte	95.04	111.23	98.79	76.15	77.21	71.63	70.65	69.65	130.53	133.98	160.34	150.93
USGS7380251 Barataria Bay North of Grand Isle	40.44	40.27	38.47	59.44	65.46	53.97	41.47	27.62	27.08	29.83	49.14	49.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	140.33	149.39	107.32	112.81	117.86	105.95	113.25	160.72	143.00	150.21	219.81	175.16
USGS 07380335 - Little Lake Near Cutoff	198.52	205.09	142.74	130.29	139.97	130.06	173.15	290.04	216.94	250.58	303.09	216.54
USGS073802516 Barataria Pass at Grand Isle	173.64	195.26	135.20	155.43	176.21	175.75	190.15	271.24	185.49	205.11	234.86	204.35
HWQ14 - Lake Washington	69.76	68.48	58.61	92.21	109.75	96.49	79.35	63.81	62.86	57.31	82.76	90.69
HWQ16 - Bayou Grand Liard	393.13	381.94	287.96	270.82	262.04	299.48	446.21	571.40	470.44	529.13	491.41	328.58
CRMS 3985	24.09	23.40	22.60	41.27	50.55	46.21	33.51	21.63	19.28	20.05	21.53	24.88
CRMS 0258	107.45	140.32	104.54	60.60	60.55	61.49	78.28	116.35	239.28	263.44	238.82	168.73
CRMS 0224	147.64	180.03	132.54	94.73	99.78	99.46	118.15	177.03	225.67	234.19	277.11	210.85
CRMS 0163	19.97	21.09	11.42	12.04	14.27	23.00	55.55	68.47	37.93	72.18	24.75	12.00
CRMS 0162	47.24	78.21	23.92	55.83	92.67	70.86	38.89	164.16	312.14	341.71	97.17	21.27

V3PR9 HYST - cy 2 - 1985 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	65.71	75.93	67.13	80.79	84.16	73.40	60.12	46.93	73.04	73.65	94.00	102.93
CRMS0276 - Just east of Wilkinson Canal	193.43	218.52	118.50	86.46	114.64	167.39	221.62	350.01	343.95	424.32	330.59	139.08
Barataria Waterway at Lafitte (USACE82875)	51.36	72.28	29.90	20.24	29.70	48.68	85.22	187.51	119.96	149.19	110.09	38.26
USGS2928590900040000 Barataria Waterway South of Lafitte	96.69	112.75	100.57	85.87	89.90	84.33	75.97	69.10	130.47	137.49	161.94	153.64
USGS7380251 Barataria Bay North of Grand Isle	37.13	37.52	34.76	59.51	66.64	54.71	41.23	26.48	25.69	28.27	49.07	46.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	145.29	155.99	109.70	120.02	126.39	114.42	119.84	158.49	147.21	153.65	228.70	181.82
USGS 07380335 - Little Lake Near Cutoff	208.17	218.42	152.18	140.61	152.17	142.60	184.53	297.72	232.96	266.18	319.13	232.11
USGS073802516 Barataria Pass at Grand Isle	176.75	202.47	137.58	161.02	184.63	188.53	198.61	270.61	192.13	210.93	242.16	212.88
HWQ14 - Lake Washington	61.86	62.60	51.40	87.94	104.20	90.68	72.41	54.34	55.90	50.30	77.47	81.70
HWQ16 - Bayou Grand Liard	407.04	397.51	297.25	279.71	281.72	326.58	458.55	584.35	485.70	546.27	506.18	337.95
CRMS 3985	20.68	20.62	19.73	38.81	49.24	45.48	32.75	21.14	18.64	19.40	22.37	21.75
CRMS 0258	118.02	154.47	121.24	71.74	76.72	75.95	86.87	119.50	266.62	298.71	257.65	189.56
CRMS 0224	156.62	195.09	145.16	107.28	116.57	115.82	127.99	180.19	241.10	252.79	293.04	230.36
CRMS 0163	21.75	22.20	11.75	11.95	14.22	20.07	53.77	68.92	30.45	63.82	29.18	12.51
CRMS 0162	49.22	84.46	25.25	59.01	100.29	73.40	30.85	127.23	264.56	284.16	105.97	22.06

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-1.92	-2.36	-3.32	5.74	7.77	7.75	2.67	-1.11	-3.46	-2.83	-3.22	-3.43
CRMS0276 - Just east of Wilkinson Canal	20.19	35.34	26.16	15.59	24.88	27.12	24.98	22.65	48.01	47.00	43.22	30.91
Barataria Waterway at Lafitte (USACE82875)	25.64	43.57	17.08	8.08	14.55	27.35	45.54	119.10	83.63	70.87	60.70	23.06
USGS2928590900040000 Barataria Waterway South of Lafitte	1.65	1.52	1.79	9.72	12.69	12.70	5.32	-0.55	-0.06	3.51	1.60	2.71
USGS7380251 Barataria Bay North of Grand Isle	-3.32	-2.75	-3.71	0.07	1.18	0.74	-0.24	-1.14	-1.39	-1.57	-0.07	-3.49
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.97	6.60	2.37	7.21	8.53	8.47	6.60	-2.23	4.21	3.44	8.89	6.65
USGS 07380335 - Little Lake Near Cutoff	9.65	13.32	9.44	10.32	12.19	12.54	11.38	7.68	16.02	15.60	16.04	15.57
USGS073802516 Barataria Pass at Grand Isle	3.11	7.21	2.39	5.59	8.42	12.79	8.46	-0.64	6.64	5.82	7.31	8.54
HWQ14 - Lake Washington	-7.90	-5.89	-7.22	-4.27	-5.54	-5.81	-6.93	-9.48	-6.96	-7.02	-5.30	-8.99
HWQ16 - Bayou Grand Liard	13.90	15.56	9.29	8.89	19.68	27.09	12.34	12.94	15.27	17.15	14.77	9.37
CRMS 3985	-3.40	-2.77	-2.88	-2.46	-1.31	-0.73	-0.76	-0.49	-0.64	-0.65	0.84	-3.14
CRMS 0258	10.57	14.16	16.70	11.14	16.17	14.46	8.59	3.15	27.34	35.27	18.82	20.82
CRMS 0224	8.98	15.06	12.63	12.55	16.79	16.36	9.84	3.16	15.43	18.60	15.93	19.51
CRMS 0163	1.77	1.11	0.33	-0.09	-0.05	-2.93	-1.77	0.45	-7.48	-8.37	4.42	0.51
CRMS 0162	1.98	6.25	1.33	3.18	7.62	2.54	-8.04	-36.94	-47.58	-57.55	8.80	0.79

Figure WQ SO4 116 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1985 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	79.92	101.72	79.40	74.83	74.25	55.41	53.43	43.67	68.77	74.69	117.99	131.71
CRMS0276 - Just east of Wilkinson Canal	281.32	142.13	77.91	73.98	54.51	102.25	203.80	281.32	302.30	403.94	417.68	278.08
Barataria Waterway at Lafitte (USACE82875)	66.72	19.70	11.91	12.34	11.56	19.71	36.34	55.72	41.20	115.07	100.49	45.82
USGS2928590900040000 Barataria Waterway South of Lafitte	124.64	146.53	105.61	76.22	71.17	53.64	64.31	63.58	118.06	131.44	193.44	208.22
USGS7380251 Barataria Bay North of Grand Isle	40.74	49.68	43.73	59.92	65.70	51.63	40.15	25.39	24.93	29.43	58.44	53.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	181.54	183.26	110.54	112.76	112.78	93.24	111.56	139.57	131.92	152.63	259.39	222.55
USGS 07380335 - Little Lake Near Cutoff	273.23	231.33	139.51	130.89	127.91	112.71	172.42	246.52	205.52	257.97	362.61	305.43
USGS073802516 Barataria Pass at Grand Isle	220.63	222.86	136.32	153.88	160.44	155.06	191.69	238.83	172.79	209.58	271.87	264.14
HWQ14 - Lake Washington	72.73	87.33	65.65	92.65	109.60	88.40	75.51	60.19	57.13	56.87	94.50	95.16
HWQ16 - Bayou Grand Liard	506.37	352.29	273.53	270.04	216.84	273.91	445.44	509.07	463.78	548.40	585.66	478.82
CRMS 3985	22.79	26.11	24.53	41.85	51.19	45.12	31.88	19.92	18.64	19.91	26.11	27.14
CRMS 0258	175.60	173.07	91.30	62.87	49.29	39.19	70.70	104.82	226.48	275.74	350.04	275.18
CRMS 0224	207.34	215.75	126.55	96.01	88.31	74.51	113.99	156.13	211.16	237.16	331.27	310.13
CRMS 0163	50.92	13.75	11.20	11.89	11.37	23.93	43.46	58.73	45.32	114.79	54.40	25.32
CRMS 0162	80.41	52.22	25.29	55.25	43.67	54.96	21.28	137.60	392.67	481.52	222.33	54.75

V3PR9 HYST - cy 2 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	72.03	96.21	74.72	80.60	82.40	59.98	54.44	42.54	64.79	69.32	108.15	122.28
CRMS0276 - Just east of Wilkinson Canal	313.60	184.11	98.37	92.32	63.04	115.06	215.95	289.52	341.08	433.82	455.12	324.45
Barataria Waterway at Lafitte (USACE82875)	126.01	64.99	22.55	21.64	15.69	33.33	84.84	141.94	121.26	165.19	189.20	124.89
USGS2928590900040000 Barataria Waterway South of Lafitte	119.49	146.43	108.66	87.33	83.32	59.75	66.23	61.89	115.19	129.63	185.54	201.99
USGS7380251 Barataria Bay North of Grand Isle	32.20	43.29	36.14	58.30	66.89	52.36	40.39	25.45	24.20	27.02	54.44	45.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	183.04	190.02	111.81	120.17	120.69	97.22	113.51	135.28	130.30	147.06	259.33	226.83
USGS 07380335 - Little Lake Near Cutoff	282.94	248.87	147.21	142.60	138.00	118.90	176.01	243.33	212.99	258.93	366.79	316.38
USGS073802516 Barataria Pass at Grand Isle	221.30	230.77	135.53	160.93	168.03	159.93	191.64	230.01	174.00	203.97	268.95	269.46
HWQ14 - Lake Washington	58.96	75.98	53.46	87.34	104.43	84.05	68.45	51.24	50.00	47.06	83.54	82.15
HWQ16 - Bayou Grand Liard	521.59	371.96	283.91	284.59	224.96	281.92	443.79	499.46	471.88	549.22	590.72	492.16
CRMS 3985	14.60	19.24	16.65	36.92	49.07	45.22	32.85	20.33	18.35	19.16	23.75	17.95
CRMS 0258	185.58	193.45	109.96	77.19	61.30	44.76	74.07	103.72	244.83	299.78	359.92	292.20
CRMS 0224	213.09	236.09	140.61	111.76	101.83	82.02	117.36	154.18	217.81	245.46	333.90	321.72
CRMS 0163	55.66	15.41	11.33	11.78	11.28	20.90	40.38	58.53	34.17	75.87	59.53	29.84
CRMS 0162	86.80	56.74	25.77	53.41	41.37	60.22	22.49	107.60	345.20	385.42	230.58	57.06

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-7.90	-5.51	-4.68	5.77	8.16	4.57	1.01	-1.13	-3.98	-5.37	-9.84	-9.43
CRMS0276 - Just east of Wilkinson Canal	32.28	41.98	20.46	18.34	8.53	12.81	12.14	8.21	38.78	29.88	37.44	46.37
Barataria Waterway at Lafitte (USACE82875)	59.30	45.29	10.64	9.30	4.13	13.62	48.50	86.22	80.06	50.13	88.71	79.07
USGS2928590900040000 Barataria Waterway South of Lafitte	-5.15	-0.10	3.05	11.11	12.15	6.12	1.92	-1.69	-2.87	-1.81	-7.89	-6.23
USGS7380251 Barataria Bay North of Grand Isle	-8.54	-6.39	-7.60	-1.61	1.19	0.73	0.23	0.06	-0.73	-2.42	-4.00	-8.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	1.50	6.76	1.27	7.41	7.90	3.98	1.95	-4.28	-1.63	-5.57	-0.06	4.29
USGS 07380335 - Little Lake Near Cutoff	9.71	17.54	7.69	11.70	10.09	6.19	3.60	-3.20	7.47	0.97	4.18	10.95
USGS073802516 Barataria Pass at Grand Isle	0.67	7.90	-0.79	7.05	7.59	4.87	-0.05	-8.82	1.21	-5.61	-2.92	5.32
HWQ14 - Lake Washington	-13.77	-11.34	-12.18	-5.31	-5.17	-4.36	-7.06	-8.95	-7.13	-9.80	-10.96	-13.01
HWQ16 - Bayou Grand Liard	15.21	19.67	10.38	14.55	8.13	8.02	-1.64	-9.61	8.11	0.82	5.06	13.34
CRMS 3985	-8.19	-6.88	-7.88	-4.93	-2.11	0.10	0.98	0.40	-0.30	-0.75	-2.36	-9.20
CRMS 0258	9.98	20.38	18.66	14.32	12.01	5.57	3.37	-1.10	18.34	24.04	9.88	17.02
CRMS 0224	5.75	20.34	14.06	15.76	13.52	7.51	3.37	-1.95	6.65	8.30	2.63	11.59
CRMS 0163	4.74	1.66	0.13	-0.10	-0.09	-3.03	-3.09	-0.20	-11.15	-38.92	5.13	4.52
CRMS 0162	6.39	4.51	0.48	-1.85	-2.30	5.26	1.21	-30.00	-47.46	-96.10	8.25	2.31

Figure WQ SO4 117 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	82.54	123.94	90.44	114.35	123.98	102.60	55.03	45.60	83.69	90.20	113.73	113.13
CRMS0276 - Just east of Wilkinson Canal	384.04	220.98	235.38	181.13	165.75	209.24	272.89	376.15	398.60	403.88	349.74	280.03
Barataria Waterway at Lafitte (USACE82875)	127.32	37.56	36.23	29.22	27.38	36.77	75.98	99.36	196.12	83.13	72.91	53.63
USGS2928590900040000 Barataria Waterway South of Lafitte	126.16	183.50	135.97	139.83	146.03	118.46	75.53	68.10	147.59	164.09	191.50	174.30
USGS7380251 Barataria Bay North of Grand Isle	39.40	57.29	39.46	63.10	76.39	62.83	30.18	24.47	27.50	32.64	55.03	46.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	203.32	225.56	130.43	153.47	158.38	132.90	90.67	184.88	169.29	178.47	243.00	196.92
USGS 07380335 - Little Lake Near Cutoff	321.53	290.30	192.93	196.19	196.29	167.68	174.77	329.90	271.85	289.82	335.81	277.68
USGS073802516 Barataria Pass at Grand Isle	247.64	272.39	163.15	206.86	230.87	217.10	180.90	309.12	218.06	234.28	255.56	243.44
HWQ14 - Lake Washington	72.21	102.18	57.29	97.15	123.65	106.74	51.57	65.22	66.83	65.41	90.29	83.62
HWQ16 - Bayou Grand Liard	594.03	440.25	420.30	388.96	350.29	372.65	533.76	614.77	545.93	552.44	538.62	477.68
CRMS 3985	22.32	28.30	22.03	33.77	47.28	47.52	23.73	19.35	19.49	20.51	23.07	24.74
CRMS 0258	210.72	236.23	192.87	137.87	131.65	127.41	114.51	121.64	299.30	349.65	298.99	234.13
CRMS 0224	226.51	278.24	189.33	170.44	173.74	145.06	121.19	191.77	272.37	288.58	315.10	270.14
CRMS 0163	97.95	25.60	25.61	29.61	22.45	45.75	94.62	109.22	224.22	66.82	38.15	37.21
CRMS 0162	166.93	82.30	105.70	157.58	127.56	106.56	181.83	412.92	629.83	276.37	132.45	60.29

V3PR9 HYST - cy 2 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	78.67	116.77	83.44	111.21	122.23	104.85	50.08	37.31	74.39	83.20	107.27	110.01
CRMS0276 - Just east of Wilkinson Canal	401.27	266.23	267.97	218.59	200.74	228.87	282.43	394.67	427.48	442.66	388.21	317.21
Barataria Waterway at Lafitte (USACE82875)	198.33	109.98	99.88	74.86	71.54	84.04	173.33	251.57	229.28	159.85	145.13	119.94
USGS2928590900040000 Barataria Waterway South of Lafitte	123.60	178.97	134.51	149.91	159.63	129.73	72.15	57.12	138.00	157.75	187.54	175.40
USGS7380251 Barataria Bay North of Grand Isle	37.41	53.36	35.01	54.23	63.30	54.44	26.63	21.08	25.07	29.96	54.10	44.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	202.84	230.09	129.97	149.72	149.70	130.93	86.56	164.77	161.95	175.27	249.19	203.25
USGS 07380335 - Little Lake Near Cutoff	322.80	301.89	198.17	200.31	193.43	167.37	173.08	324.21	269.37	295.56	347.47	289.54
USGS073802516 Barataria Pass at Grand Isle	244.23	275.82	162.35	204.37	224.25	214.06	174.96	290.70	215.75	232.38	259.79	249.31
HWQ14 - Lake Washington	63.55	91.76	48.98	80.30	100.61	89.05	40.79	47.17	56.36	55.08	83.81	76.18
HWQ16 - Bayou Grand Liard	594.72	454.34	430.52	404.58	366.62	381.93	535.63	625.72	548.59	559.21	549.04	488.53
CRMS 3985	21.35	25.74	20.23	28.65	36.60	39.85	21.93	17.85	18.26	19.42	24.21	23.71
CRMS 0258	217.42	251.31	213.65	167.67	162.24	150.83	118.78	113.62	312.57	361.15	314.66	250.88
CRMS 0224	228.30	292.27	197.82	190.11	191.72	156.78	119.45	182.68	272.51	291.54	325.69	283.76
CRMS 0163	100.93	27.50	27.20	27.14	23.28	38.72	94.94	106.26	149.91	60.09	43.15	37.46
CRMS 0162	160.26	87.83	108.41	168.01	143.53	109.74	135.77	368.19	601.07	216.28	143.28	64.36

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.86	-7.18	-7.00	-3.14	-1.75	2.25	-4.95	-8.29	-9.30	-7.00	-6.46	-3.12
CRMS0276 - Just east of Wilkinson Canal	17.23	45.25	32.59	37.46	34.99	19.63	9.54	18.53	28.88	38.78	38.47	37.17
Barataria Waterway at Lafitte (USACE82875)	71.01	72.43	63.65	45.64	44.16	47.27	97.35	152.21	33.17	76.72	72.23	66.31
USGS2928590900040000 Barataria Waterway South of Lafitte	-2.56	-4.53	-1.46	10.08	13.60	11.27	-3.38	-10.98	-9.59	-6.34	-3.95	1.10
USGS7380251 Barataria Bay North of Grand Isle	-1.98	-3.92	-4.45	-8.87	-13.09	-8.39	-3.55	-3.38	-2.42	-2.68	-0.93	-1.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	-0.47	4.53	-0.46	-3.75	-8.68	-1.97	-4.11	-20.11	-7.34	-3.20	6.19	6.32
USGS 07380335 - Little Lake Near Cutoff	1.28	11.59	5.24	4.11	-2.86	-0.30	-1.68	-5.69	-2.48	5.74	11.66	11.86
USGS073802516 Barataria Pass at Grand Isle	-3.42	3.43	-0.80	-2.49	-6.62	-3.04	-5.94	-18.43	-2.32	-1.91	4.23	5.87
HWQ14 - Lake Washington	-8.66	-10.42	-8.31	-16.85	-23.04	-17.69	-10.78	-18.04	-10.47	-10.33	-6.48	-7.45
HWQ16 - Bayou Grand Liard	0.68	14.08	10.23	15.62	16.33	9.28	1.86	10.94	2.65	6.77	10.43	10.86
CRMS 3985	-0.97	-2.56	-1.80	-5.13	-10.68	-7.67	-1.79	-1.50	-1.23	-1.09	1.13	-1.03
CRMS 0258	6.70	15.08	20.78	29.81	30.59	23.42	4.27	-8.02	13.27	11.50	15.67	16.76
CRMS 0224	1.79	14.02	8.49	19.67	17.98	11.71	-1.73	-9.09	0.14	2.96	10.58	13.62
CRMS 0163	2.98	1.89	1.59	-2.47	0.83	-7.03	0.32	-2.96	-74.31	-6.73	5.00	0.26
CRMS 0162	-6.67	5.53	2.71	10.43	15.97	3.18	-46.06	-44.73	-28.76	-60.09	10.83	4.06

Figure WQ SO4 118 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	84.63	106.89	85.70	91.07	94.69	75.71	56.75	46.89	53.79	58.17	104.85	129.93
CRMS0276 - Just east of Wilkinson Canal	327.18	116.28	105.13	94.99	96.72	69.03	120.64	174.48	209.64	321.88	406.16	359.82
Barataria Waterway at Lafitte (USACE82875)	61.34	16.28	14.95	13.70	17.34	12.82	16.49	23.13	25.73	63.44	104.16	72.52
USGS2928590900040000 Barataria Waterway South of Lafitte	136.51	150.58	108.87	97.09	98.73	75.48	68.67	64.05	81.92	98.61	169.62	201.34
USGS7380251 Barataria Bay North of Grand Isle	42.74	54.12	51.60	70.56	78.85	64.20	45.88	34.40	24.64	26.34	53.44	50.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	198.50	186.24	124.10	135.01	139.58	113.89	102.02	126.55	100.31	123.26	238.52	226.65
USGS 07380335 - Little Lake Near Cutoff	298.17	226.31	156.59	156.37	162.56	127.69	134.47	184.52	154.57	211.23	338.31	324.04
USGS073802516 Barataria Pass at Grand Isle	241.77	222.92	154.11	181.67	199.32	168.59	158.18	199.67	134.42	173.26	252.51	274.71
HWQ14 - Lake Washington	78.73	94.70	77.04	106.89	127.37	110.06	82.95	76.74	51.46	48.23	86.12	90.30
HWQ16 - Bayou Grand Liard	521.01	328.46	312.13	309.42	281.50	238.17	328.89	381.85	388.36	489.59	577.11	531.24
CRMS 3985	23.32	28.14	30.88	49.26	60.08	55.13	39.52	27.40	19.51	18.97	24.86	26.00
CRMS 0258	211.60	168.72	88.70	84.46	80.40	46.76	53.59	67.33	135.13	209.35	305.53	323.75
CRMS 0224	236.70	209.22	132.31	122.05	123.24	92.39	98.90	127.05	146.12	187.09	297.81	317.92
CRMS 0163	36.13	12.20	13.55	16.25	15.75	13.09	17.90	22.91	27.40	58.99	65.93	45.72
CRMS 0162	56.17	35.38	49.70	81.73	90.13	36.88	15.35	31.81	160.34	209.30	263.45	111.08

V3PR9 HYST - cy 2 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	77.94	99.48	76.97	94.26	104.66	84.91	40.58	30.33	47.90	55.23	97.80	119.26
CRMS0276 - Just east of Wilkinson Canal	363.12	149.21	127.05	118.42	126.00	89.93	136.95	191.95	234.03	355.34	441.55	407.68
Barataria Waterway at Lafitte (USACE82875)	134.39	49.55	33.40	31.33	36.97	20.93	35.62	67.12	64.61	113.52	183.36	179.08
USGS2928590900040000 Barataria Waterway South of Lafitte	132.18	149.57	107.80	107.86	116.85	93.19	56.40	41.59	77.85	100.32	167.19	195.70
USGS7380251 Barataria Bay North of Grand Isle	36.98	46.40	41.21	65.84	78.29	61.70	26.86	20.96	20.43	23.58	46.66	40.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	201.80	188.00	117.85	140.25	150.41	118.56	67.93	108.82	101.57	125.34	242.12	227.34
USGS 07380335 - Little Lake Near Cutoff	308.19	237.73	157.10	167.35	179.57	137.26	104.46	181.17	164.32	221.72	347.03	333.27
USGS073802516 Barataria Pass at Grand Isle	243.39	224.21	144.33	186.37	213.45	173.41	119.34	188.10	138.55	177.28	256.47	275.75
HWQ14 - Lake Washington	66.72	79.72	58.65	96.78	120.94	96.93	41.93	50.55	43.87	41.98	76.97	73.57
HWQ16 - Bayou Grand Liard	533.81	339.88	320.10	319.93	306.29	253.69	330.23	392.98	399.04	502.91	582.24	542.76
CRMS 3985	18.57	22.50	22.53	41.66	55.71	50.04	20.55	15.85	15.89	16.73	16.25	17.46
CRMS 0258	220.11	189.67	103.47	102.65	106.01	63.04	54.94	54.52	150.45	233.16	317.89	340.56
CRMS 0224	242.24	228.49	140.43	139.34	148.19	110.65	82.66	107.88	156.34	198.12	306.37	327.08
CRMS 0163	45.55	12.99	13.96	15.89	16.48	12.83	18.59	23.35	22.24	50.32	70.11	48.97
CRMS 0162	57.54	37.40	52.14	81.01	96.22	39.67	16.09	35.66	126.37	137.60	251.35	95.97

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-6.69	-7.41	-8.73	3.19	9.96	9.20	-16.17	-16.55	-5.89	-2.94	-7.06	-10.67
CRMS0276 - Just east of Wilkinson Canal	35.93	32.93	21.92	23.43	29.28	20.90	16.31	17.47	24.39	33.46	35.39	47.86
Barataria Waterway at Lafitte (USACE82875)	73.04	33.27	18.45	17.63	19.63	8.11	19.13	43.99	38.88	50.08	79.20	106.56
USGS2928590900040000 Barataria Waterway South of Lafitte	-4.33	-1.01	-1.07	10.78	18.12	17.70	-12.27	-22.47	-4.06	1.70	-2.42	-5.64
USGS7380251 Barataria Bay North of Grand Isle	-5.76	-7.72	-10.39	-4.72	-0.56	-2.51	-19.03	-13.44	-4.22	-2.76	-6.78	-9.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	3.30	1.76	-6.25	5.24	10.83	4.67	-34.09	-17.74	1.26	2.09	3.60	0.68
USGS 07380335 - Little Lake Near Cutoff	10.02	11.42	0.51	10.98	17.01	9.57	-30.01	-3.36	9.75	10.49	8.72	9.23
USGS073802516 Barataria Pass at Grand Isle	1.62	1.28	-9.78	4.70	14.13	4.82	-38.84	-11.57	4.13	4.02	3.96	1.04
HWQ14 - Lake Washington	-12.01	-14.98	-18.40	-10.11	-6.43	-13.13	-41.02	-26.19	-7.59	-6.25	-9.15	-16.73
HWQ16 - Bayou Grand Liard	12.80	11.42	7.97	10.51	24.79	15.53	1.34	11.13	10.68	13.32	5.12	11.52
CRMS 3985	-4.75	-5.64	-8.35	-7.60	-4.37	-5.09	-18.96	-11.55	-3.62	-2.24	-8.62	-8.54
CRMS 0258	8.51	20.95	14.76	18.19	25.61	16.29	1.35	-12.81	15.32	23.81	12.36	16.81
CRMS 0224	5.55	19.28	8.12	17.30	24.95	18.26	-16.24	-19.18	10.22	11.02	8.56	9.16
CRMS 0163	9.42	0.79	0.40	-0.36	0.73	-0.26	0.69	0.45	-5.16	-8.66	4.17	3.25
CRMS 0162	1.37	2.02	2.44	-0.72	6.10	2.80	0.74	3.85	-33.97	-71.70	-12.09	-15.12

Figure WQ SO4 119 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 2 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	74.81	115.32	92.08	100.00	88.22	59.90	48.48	49.52	66.01	66.38	110.08	124.41
CRMS0276 - Just east of Wilkinson Canal	256.37	340.73	194.02	87.64	52.94	35.37	96.32	186.65	231.63	342.56	420.26	199.18
Barataria Waterway at Lafitte (USACE82875)	73.12	72.33	23.38	13.15	13.04	11.73	15.15	28.31	28.79	78.68	107.74	30.34
USGS2928590900040000 Barataria Waterway South of Lafitte	113.42	172.89	150.78	107.10	85.35	53.59	56.28	64.54	99.30	111.04	178.69	193.88
USGS7380251 Barataria Bay North of Grand Isle	33.34	50.78	39.48	69.02	75.63	58.88	41.83	37.70	29.91	29.33	55.61	47.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	164.85	218.75	133.88	134.07	127.63	95.72	86.52	140.49	119.95	133.18	248.99	216.71
USGS 07380335 - Little Lake Near Cutoff	253.84	303.33	194.87	154.25	141.59	102.51	113.99	201.31	177.95	224.36	351.01	288.33
USGS073802516 Barataria Pass at Grand Isle	201.40	273.67	162.73	178.04	175.79	138.07	137.03	217.10	155.26	184.91	262.51	254.62
HWQ14 - Lake Washington	62.83	89.15	57.39	103.48	123.59	98.47	72.35	86.89	61.38	53.69	89.82	93.97
HWQ16 - Bayou Grand Liard	492.26	512.00	376.47	296.90	218.73	186.85	304.17	404.58	409.04	506.81	587.91	422.72
CRMS 3985	16.67	24.79	21.46	42.86	57.47	52.46	37.28	30.01	22.66	20.70	24.96	19.90
CRMS 0258	162.43	276.04	198.08	82.93	58.94	28.88	41.42	66.31	165.56	219.48	320.39	254.45
CRMS 0224	183.11	280.63	209.68	121.31	101.35	67.12	80.53	131.13	169.36	199.66	311.68	293.75
CRMS 0163	65.11	53.28	14.63	12.79	12.98	11.72	17.10	29.93	30.18	77.55	60.12	15.87
CRMS 0162	132.43	173.68	38.89	67.78	33.33	21.36	14.56	36.32	216.15	380.53	243.42	33.78

V3PR9 HYST - cy 2 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	75.52	110.30	88.49	108.87	99.47	66.40	50.39	43.93	57.86	59.11	98.38	118.18
CRMS0276 - Just east of Wilkinson Canal	276.68	376.13	237.92	108.14	63.64	44.42	114.28	210.72	264.16	392.03	462.93	252.87
Barataria Waterway at Lafitte (USACE82875)	109.33	170.73	87.16	28.38	18.19	12.69	25.77	73.88	77.77	137.47	200.10	95.96
USGS2928590900040000 Barataria Waterway South of Lafitte	116.55	170.25	150.27	122.38	101.31	60.54	59.62	60.42	94.06	107.19	168.89	191.19
USGS7380251 Barataria Bay North of Grand Isle	35.70	48.87	38.07	71.21	80.21	61.54	42.73	32.55	25.22	25.67	50.67	47.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	171.14	222.26	138.35	146.45	139.53	101.02	91.27	127.62	110.91	129.38	246.38	222.00
USGS 07380335 - Little Lake Near Cutoff	262.93	310.90	204.83	169.78	155.27	110.24	122.99	200.30	177.26	233.49	355.21	303.65
USGS073802516 Barataria Pass at Grand Isle	204.27	275.36	168.12	188.33	184.21	142.99	143.62	207.31	149.52	184.45	258.42	260.68
HWQ14 - Lake Washington	59.18	82.11	53.35	101.64	120.43	94.79	67.93	65.28	48.80	43.08	77.70	83.59
HWQ16 - Bayou Grand Liard	498.78	518.67	390.59	308.15	225.57	195.36	320.07	417.22	419.00	525.65	595.44	441.86
CRMS 3985	20.11	24.43	20.79	42.08	58.41	54.03	37.99	26.60	19.56	19.04	23.64	23.65
CRMS 0258	178.97	286.38	212.05	100.84	74.40	33.41	45.68	68.04	182.72	250.54	332.05	275.09
CRMS 0224	193.65	289.26	219.70	141.09	117.79	75.20	87.12	130.22	173.41	211.97	314.13	310.46
CRMS 0163	65.42	51.19	17.01	12.75	12.96	11.66	17.54	27.31	25.24	66.43	68.21	18.80
CRMS 0162	132.05	156.53	41.38	67.45	31.85	23.38	15.13	36.83	164.21	328.46	237.85	37.14

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.71	-5.02	-3.59	8.87	11.24	6.50	1.91	-5.58	-8.15	-7.27	-11.70	-6.23
CRMS0276 - Just east of Wilkinson Canal	20.31	35.40	43.89	20.50	10.70	9.05	17.96	24.06	32.53	49.47	42.67	53.69
Barataria Waterway at Lafitte (USACE82875)	36.22	98.40	63.77	15.23	5.15	0.96	10.62	45.57	48.99	58.78	92.36	65.62
USGS2928590900040000 Barataria Waterway South of Lafitte	3.13	-2.64	-0.52	15.28	15.96	6.95	3.33	-4.12	-5.25	-3.85	-9.80	-2.68
USGS7380251 Barataria Bay North of Grand Isle	2.36	-1.92	-1.41	2.19	4.58	2.66	0.90	-5.14	-4.69	-3.66	-4.94	-0.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	6.29	3.52	4.46	12.39	11.90	5.30	4.74	-12.87	-9.04	-3.80	-2.62	5.29
USGS 07380335 - Little Lake Near Cutoff	9.09	7.56	9.96	15.53	13.68	7.73	9.00	-1.02	-0.68	9.12	4.20	15.33
USGS073802516 Barataria Pass at Grand Isle	2.87	1.69	5.39	10.30	8.42	4.91	6.59	-9.79	-5.73	-0.46	-4.09	6.06
HWQ14 - Lake Washington	-3.66	-7.04	-4.04	-1.84	-3.15	-3.68	-4.42	-21.61	-12.58	-10.61	-12.12	-10.38
HWQ16 - Bayou Grand Liard	6.52	6.67	14.12	11.24	6.85	8.51	15.90	12.64	9.96	18.84	7.53	19.14
CRMS 3985	3.44	-0.36	-0.67	-0.78	0.93	1.57	0.71	-3.41	-3.10	-1.66	-1.32	3.76
CRMS 0258	16.55	10.34	13.97	17.91	15.46	4.54	4.25	1.73	17.15	31.06	11.66	20.64
CRMS 0224	10.54	8.64	10.01	19.78	16.44	8.08	6.59	-0.91	4.06	12.31	2.45	16.71
CRMS 0163	0.31	-2.09	2.39	-0.04	-0.02	-0.06	0.44	-2.62	-4.94	-11.12	8.09	2.92
CRMS 0162	-0.38	-17.15	2.49	-0.33	-1.48	2.01	0.57	0.52	-51.95	-52.07	-5.58	3.36

Figure WQ SO4 120 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 2, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	107.71	141.04	101.23	100.43	76.28	61.93	61.22	65.18	114.09	108.15	140.15	150.90
CRMS0276 - Just east of Wilkinson Canal	298.33	145.77	149.12	60.61	58.32	43.32	165.23	340.42	346.30	371.22	359.72	332.18
Barataria Waterway at Lafitte (USACE82875)	94.81	26.42	25.61	12.12	13.30	11.48	44.18	101.40	80.40	83.26	121.01	88.15
USGS2928590900040000 Barataria Waterway South of Lafitte	155.63	190.62	127.29	99.37	68.40	56.56	67.37	87.48	184.38	178.20	212.96	217.21
USGS7380251 Barataria Bay North of Grand Isle	59.44	77.09	61.82	83.65	79.12	65.26	52.09	41.08	42.85	44.79	75.04	69.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	241.45	231.26	145.86	138.27	118.80	100.19	115.73	213.83	194.48	202.37	279.54	256.27
USGS 07380335 - Little Lake Near Cutoff	334.34	269.39	184.76	150.37	133.86	104.73	167.08	337.97	276.72	301.73	367.09	337.78
USGS073802516 Barataria Pass at Grand Isle	285.10	268.50	176.09	179.82	168.75	144.30	188.69	328.65	237.40	254.19	294.71	302.25
HWQ14 - Lake Washington	111.61	130.10	89.46	123.87	127.51	107.06	86.31	97.23	92.35	86.01	121.99	128.47
HWQ16 - Bayou Grand Liard	530.72	368.90	350.25	263.01	222.39	198.07	428.78	590.08	512.91	535.34	548.60	523.37
CRMS 3985	30.10	41.17	38.83	62.35	69.20	60.08	45.56	28.42	26.62	27.29	36.25	34.96
CRMS 0258	227.49	209.49	118.52	73.41	48.45	34.67	65.71	139.45	285.27	314.30	339.65	318.64
CRMS 0224	262.70	248.00	158.56	110.75	86.24	70.29	104.39	212.15	277.31	283.01	335.76	321.83
CRMS 0163	59.94	14.84	18.81	11.98	12.01	11.95	57.70	91.22	88.85	67.82	49.30	44.00
CRMS 0162	117.91	88.71	145.42	86.46	106.84	41.59	48.02	272.99	496.24	284.92	231.92	167.50

V3PR2 HYST - cy 3 - 2002 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.57	12.15	14.07	10.99	11.26	11.73	16.34	18.31	21.55	19.58	21.79	17.34
CRMS0276 - Just east of Wilkinson Canal	249.55	146.87	144.20	51.42	48.86	35.78	128.42	318.62	339.30	379.04	361.48	331.47
Barataria Waterway at Lafitte (USACE82875)	93.94	28.42	27.48	12.30	13.58	11.56	42.72	100.32	92.74	91.47	122.47	88.62
USGS2928590900040000 Barataria Waterway South of Lafitte	18.56	12.74	16.53	11.07	11.30	11.56	15.76	34.90	110.94	103.47	128.79	85.91
USGS7380251 Barataria Bay North of Grand Isle	18.50	17.71	15.30	12.19	12.07	11.70	12.02	17.25	24.79	31.15	51.45	38.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	97.32	55.54	37.83	19.28	16.53	14.95	44.12	163.98	148.35	170.34	229.47	169.54
USGS 07380335 - Little Lake Near Cutoff	197.87	104.29	73.14	31.86	23.82	18.80	96.75	300.13	238.86	284.05	335.21	267.86
USGS073802516 Barataria Pass at Grand Isle	151.03	110.39	69.36	46.97	43.90	38.41	113.40	288.42	196.92	230.58	255.68	231.43
HWQ14 - Lake Washington	39.16	37.83	23.78	25.41	27.86	20.27	21.33	62.58	65.15	69.79	93.87	80.29
HWQ16 - Bayou Grand Liard	474.52	297.15	295.84	168.51	144.09	134.39	398.02	577.09	501.27	534.62	536.85	497.38
CRMS 3985	17.90	16.63	13.96	12.99	12.70	11.90	11.07	12.91	17.62	21.68	28.28	26.09
CRMS 0258	88.24	95.48	56.66	37.09	21.63	14.88	19.58	91.59	264.25	298.64	325.09	276.90
CRMS 0224	105.48	90.03	56.07	32.99	20.71	15.25	37.48	163.90	235.23	257.88	302.62	253.12
CRMS 0163	62.01	16.30	20.26	12.39	12.16	12.43	56.81	94.55	104.06	78.34	52.11	44.62
CRMS 0162	123.33	93.94	158.26	92.89	107.70	45.36	55.49	297.19	515.18	321.71	251.14	181.29

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-93.15	-128.89	-87.16	-89.43	-65.02	-50.20	-44.88	-46.86	-92.53	-88.58	-118.37	-133.56
CRMS0276 - Just east of Wilkinson Canal	-48.78	1.10	-4.93	-9.20	-9.46	-7.54	-36.81	-21.80	-7.00	7.82	1.75	-0.72
Barataria Waterway at Lafitte (USACE82875)	-0.86	2.00	1.87	0.18	0.28	0.08	-1.47	-1.08	12.34	8.21	1.47	0.47
USGS2928590900040000 Barataria Waterway South of Lafitte	-137.07	-177.89	-110.76	-88.30	-57.09	-45.00	-51.61	-52.58	-73.43	-74.74	-84.17	-131.30
USGS7380251 Barataria Bay North of Grand Isle	-40.93	-59.38	-46.52	-71.46	-67.05	-53.56	-40.06	-23.83	-18.06	-13.65	-23.59	-31.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	-144.14	-175.72	-108.03	-118.99	-102.28	-85.24	-71.61	-49.86	-46.13	-32.03	-50.07	-86.73
USGS 07380335 - Little Lake Near Cutoff	-136.47	-165.09	-111.62	-118.51	-110.04	-85.93	-70.33	-37.84	-37.87	-17.68	-31.87	-69.92
USGS073802516 Barataria Pass at Grand Isle	-134.07	-158.12	-106.73	-132.85	-124.85	-105.90	-75.29	-40.23	-40.48	-23.61	-39.03	-70.82
HWQ14 - Lake Washington	-72.45	-92.27	-65.67	-98.47	-99.65	-86.79	-64.98	-34.65	-27.20	-16.22	-28.12	-48.18
HWQ16 - Bayou Grand Liard	-56.20	-71.75	-54.41	-94.50	-78.29	-63.68	-30.77	-12.99	-11.64	-0.73	-11.75	-25.99
CRMS 3985	-12.20	-24.53	-24.87	-49.37	-56.49	-48.17	-34.49	-15.52	-9.01	-5.61	-7.97	-8.86
CRMS 0258	-139.25	-114.00	-61.86	-36.33	-26.82	-19.79	-46.13	-47.85	-21.02	-15.66	-14.56	-41.74
CRMS 0224	-157.22	-157.98	-102.49	-77.76	-65.53	-55.04	-66.91	-48.25	-42.08	-25.13	-33.14	-68.71
CRMS 0163	2.07	1.47	1.45	0.41	0.15	0.48	-0.89	3.33	15.21	10.52	2.81	0.62
CRMS 0162	5.42	5.23	12.84	6.43	0.86	3.77	7.47	24.20	18.94	36.79	19.22	13.78

Figure WQ SO4 121 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	103.07	131.87	92.82	67.78	62.25	50.52	59.43	61.58	107.21	100.84	143.55	155.93
CRMS0276 - Just east of Wilkinson Canal	294.57	126.03	65.01	55.39	39.50	96.04	219.22	306.72	318.08	414.99	414.80	276.20
Barataria Waterway at Lafitte (USACE82875)	100.10	21.50	11.92	12.18	11.41	21.28	46.14	77.64	56.50	136.58	153.44	58.75
USGS2928590900040000 Barataria Waterway South of Lafitte	146.30	171.82	110.34	63.11	54.44	45.73	68.91	85.31	172.06	164.57	223.49	228.74
USGS7380251 Barataria Bay North of Grand Isle	60.19	75.78	60.16	64.78	66.04	55.03	47.74	37.40	39.35	42.50	76.17	72.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	231.12	213.18	124.22	103.96	100.48	89.37	133.72	198.25	179.78	198.62	298.13	263.06
USGS 07380335 - Little Lake Near Cutoff	320.45	246.78	143.25	117.29	112.34	104.97	199.99	303.36	255.93	305.75	397.29	333.93
USGS073802516 Barataria Pass at Grand Isle	276.76	252.05	149.60	142.71	143.97	147.93	223.39	303.83	220.37	254.84	312.23	301.71
HWQ14 - Lake Washington	110.04	126.39	88.25	96.93	110.30	91.91	89.03	95.20	86.46	82.63	125.38	135.24
HWQ16 - Bayou Grand Liard	529.76	346.48	254.48	238.59	188.43	268.99	469.36	540.21	488.38	561.79	586.24	484.51
CRMS 3985	33.39	41.85	39.30	53.25	58.31	51.04	39.98	25.47	24.71	26.39	35.98	38.53
CRMS 0258	200.86	177.05	85.20	50.87	37.27	35.36	81.47	138.11	258.65	298.26	383.39	292.15
CRMS 0224	244.37	218.63	121.64	79.20	69.32	66.00	126.53	199.77	254.12	271.94	365.04	327.69
CRMS 0163	60.51	13.41	11.13	11.56	11.18	31.77	50.36	72.74	61.04	134.71	62.95	27.31
CRMS 0162	119.84	78.84	58.76	86.51	65.72	81.79	23.16	188.76	430.82	513.37	305.69	99.87

V3PR2 HYST - cy 3 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.88	11.51	10.85	10.93	10.98	15.19	15.96	17.43	21.45	20.78	22.72	15.28
CRMS0276 - Just east of Wilkinson Canal	250.75	124.94	57.85	49.93	34.20	85.26	195.53	299.00	312.95	406.69	411.97	277.86
Barataria Waterway at Lafitte (USACE82875)	102.68	23.67	12.23	12.29	11.45	21.62	49.53	83.98	58.60	143.69	157.36	61.61
USGS2928590900040000 Barataria Waterway South of Lafitte	22.46	11.80	10.85	10.96	10.95	14.60	19.73	35.02	105.74	94.59	133.91	71.72
USGS7380251 Barataria Bay North of Grand Isle	19.25	13.73	10.93	10.95	11.19	12.69	14.51	18.67	25.22	30.87	53.70	33.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	74.37	36.06	13.85	14.49	14.20	29.24	79.34	162.00	144.01	162.30	244.03	134.61
USGS 07380335 - Little Lake Near Cutoff	168.96	73.44	21.84	22.45	19.22	44.03	151.91	282.94	225.08	277.53	359.20	222.80
USGS073802516 Barataria Pass at Grand Isle	126.96	77.09	25.98	31.97	34.26	78.18	173.00	280.58	190.75	223.96	269.25	198.30
HWQ14 - Lake Washington	32.91	22.90	13.03	16.71	23.14	26.88	40.46	70.66	66.13	67.13	97.25	73.93
HWQ16 - Bayou Grand Liard	465.25	259.20	157.65	151.06	118.37	234.41	458.91	545.31	477.05	549.09	570.75	443.46
CRMS 3985	17.45	13.17	10.63	10.58	11.22	11.64	11.67	13.48	17.87	22.12	29.25	26.33
CRMS 0258	81.36	71.16	21.90	24.39	16.91	20.20	40.88	97.02	243.05	276.52	356.34	222.94
CRMS 0224	89.75	63.66	19.17	21.58	16.36	25.98	73.74	161.88	220.69	242.85	324.12	214.68
CRMS 0163	63.84	14.34	11.17	11.64	11.22	34.44	54.66	79.43	65.98	145.68	66.92	29.26
CRMS 0162	127.05	81.98	66.23	94.28	74.26	87.95	25.75	205.33	455.92	528.75	311.48	103.19

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-88.19	-120.36	-81.97	-56.85	-51.27	-35.33	-43.47	-44.14	-85.76	-80.05	-120.83	-140.65
CRMS0276 - Just east of Wilkinson Canal	-43.81	-1.09	-7.16	-5.46	-5.30	-10.77	-23.69	-7.72	-5.13	-8.31	-2.84	1.66
Barataria Waterway at Lafitte (USACE82875)	2.58	2.17	0.31	0.11	0.04	0.34	3.39	6.34	2.11	7.11	3.92	2.87
USGS2928590900040000 Barataria Waterway South of Lafitte	-123.84	-160.02	-99.49	-52.15	-43.48	-31.13	-49.18	-50.28	-66.32	-69.97	-89.58	-157.02
USGS7380251 Barataria Bay North of Grand Isle	-40.94	-62.05	-49.23	-53.83	-54.84	-42.34	-33.23	-18.73	-14.13	-11.63	-22.46	-39.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	-156.75	-177.12	-110.37	-89.47	-86.27	-60.12	-54.38	-36.25	-35.77	-36.32	-54.10	-128.45
USGS 07380335 - Little Lake Near Cutoff	-151.48	-173.34	-121.41	-94.84	-93.11	-60.94	-48.08	-20.41	-30.85	-28.22	-38.09	-111.13
USGS073802516 Barataria Pass at Grand Isle	-149.80	-174.96	-123.62	-110.74	-109.70	-69.75	-50.40	-23.25	-29.62	-30.89	-42.98	-103.41
HWQ14 - Lake Washington	-77.12	-103.49	-75.23	-80.21	-87.16	-65.03	-48.57	-24.54	-20.33	-15.49	-28.13	-61.30
HWQ16 - Bayou Grand Liard	-64.50	-87.29	-96.83	-87.53	-70.06	-34.58	-10.44	5.10	-11.33	-12.70	-15.49	-41.05
CRMS 3985	-15.94	-28.68	-28.67	-42.67	-47.09	-39.40	-28.31	-11.99	-6.84	-4.27	-6.73	-12.21
CRMS 0258	-119.50	-105.89	-63.30	-26.48	-20.36	-15.16	-40.58	-41.08	-15.60	-21.73	-27.06	-69.21
CRMS 0224	-154.63	-154.97	-102.47	-57.63	-52.96	-40.02	-52.79	-37.88	-33.43	-29.09	-40.93	-113.00
CRMS 0163	3.33	0.93	0.04	0.08	0.04	2.67	4.30	6.68	4.95	10.98	3.97	1.95
CRMS 0162	7.21	3.15	7.47	7.77	8.54	6.16	2.59	16.56	25.11	15.38	5.79	3.32

Figure WQ SO4 122 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	105.34	155.15	109.77	124.49	130.63	101.93	66.36	58.36	119.43	121.49	139.03	136.97
CRMS0276 - Just east of Wilkinson Canal	387.72	213.94	234.50	164.02	146.88	211.07	298.93	396.72	406.47	392.86	345.93	279.28
Barataria Waterway at Lafitte (USACE82875)	172.24	46.08	43.45	32.73	34.44	40.44	98.26	139.30	237.51	96.58	111.60	68.45
USGS2928590900040000 Barataria Waterway South of Lafitte	150.03	211.19	155.60	137.75	140.84	110.93	85.36	84.30	201.75	203.93	211.91	194.93
USGS7380251 Barataria Bay North of Grand Isle	57.94	83.48	54.27	79.43	93.13	78.03	41.17	33.17	41.10	48.03	75.94	65.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	251.46	258.20	155.54	162.75	168.11	147.20	133.50	230.69	216.34	228.09	281.66	234.13
USGS 07380335 - Little Lake Near Cutoff	365.28	307.69	215.53	199.81	201.46	178.27	228.69	373.76	316.42	333.80	368.23	306.30
USGS073802516 Barataria Pass at Grand Isle	302.00	302.20	188.11	215.01	237.37	230.80	238.85	355.82	262.10	278.80	299.18	278.85
HWQ14 - Lake Washington	108.94	142.91	77.82	118.65	151.47	133.45	75.72	89.79	94.28	94.87	125.80	120.86
HWQ16 - Bayou Grand Liard	601.81	441.20	421.74	365.66	341.99	380.38	556.79	634.66	555.43	555.11	542.57	479.85
CRMS 3985	31.81	43.66	31.38	48.07	66.29	64.77	30.79	22.71	24.74	27.67	37.26	36.43
CRMS 0258	236.26	245.67	207.48	127.45	122.84	119.66	127.59	154.28	340.12	353.22	320.35	258.32
CRMS 0224	267.00	283.87	209.20	164.44	166.04	142.59	150.15	233.14	315.81	320.39	337.08	290.47
CRMS 0163	112.89	32.42	27.52	36.81	26.11	59.87	110.30	135.79	252.60	78.88	44.18	41.56
CRMS 0162	236.98	121.18	199.17	234.63	227.20	216.63	218.47	432.57	626.60	358.39	194.39	104.93

V3PR2 HYST - cy 3 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	18.90	14.47	16.04	17.03	14.64	17.67	18.99	19.26	22.88	20.21	20.85	18.26
CRMS0276 - Just east of Wilkinson Canal	367.94	211.76	226.79	161.62	148.38	202.62	294.47	394.78	407.33	402.29	344.01	280.33
Barataria Waterway at Lafitte (USACE82875)	173.19	49.63	44.17	33.98	37.27	41.39	101.56	151.08	263.09	101.67	112.14	69.13
USGS2928590900040000 Barataria Waterway South of Lafitte	59.40	19.20	33.04	35.67	18.76	34.71	28.33	39.22	127.56	115.34	129.59	94.75
USGS7380251 Barataria Bay North of Grand Isle	27.25	22.46	22.31	27.14	26.39	30.75	28.97	24.12	28.28	33.77	50.67	34.71
USGS73802515 Hackberry Bay Northwest of Grand Isle	173.74	88.70	79.04	82.63	59.22	85.47	125.33	179.28	168.22	185.08	227.84	162.97
USGS 07380335 - Little Lake Near Cutoff	306.20	161.59	142.01	127.64	94.86	119.50	229.83	339.85	276.49	307.16	332.22	253.76
USGS073802516 Barataria Pass at Grand Isle	234.49	157.55	121.32	141.65	137.61	174.95	243.03	313.14	220.98	245.38	254.38	219.91
HWQ14 - Lake Washington	62.37	49.37	40.09	61.18	78.30	80.16	73.17	66.22	69.60	74.50	92.85	75.03
HWQ16 - Bayou Grand Liard	579.19	390.30	388.59	335.11	295.03	355.87	566.40	633.13	547.41	548.67	526.76	465.45
CRMS 3985	16.27	19.65	17.44	21.28	27.37	27.10	24.42	19.61	20.74	23.65	27.66	19.56
CRMS 0258	176.30	152.61	136.64	102.41	93.23	92.50	85.02	121.45	322.99	337.99	301.20	225.61
CRMS 0224	199.61	141.81	122.67	107.87	91.16	93.17	125.70	192.72	272.74	287.20	301.02	237.27
CRMS 0163	115.97	36.03	28.66	39.75	29.47	61.23	115.40	150.44	280.01	84.60	44.37	45.01
CRMS 0162	250.36	132.31	208.76	233.67	231.04	194.86	254.54	443.93	637.25	390.85	203.07	109.86

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-86.44	-140.68	-93.74	-107.45	-115.98	-84.26	-47.37	-39.11	-96.55	-101.27	-118.18	-118.71
CRMS0276 - Just east of Wilkinson Canal	-19.78	-2.19	-7.71	-2.40	1.50	-8.45	-4.46	-1.94	0.86	9.43	-1.92	1.05
Barataria Waterway at Lafitte (USACE82875)	0.95	3.56	0.73	1.25	2.83	0.94	3.30	11.78	25.58	5.09	0.54	0.67
USGS2928590900040000 Barataria Waterway South of Lafitte	-90.63	-192.00	-122.56	-102.08	-122.08	-76.22	-57.02	-45.09	-74.19	-88.58	-82.32	-100.18
USGS7380251 Barataria Bay North of Grand Isle	-30.69	-61.02	-31.96	-52.30	-66.73	-47.28	-12.20	-9.05	-12.82	-14.26	-25.27	-31.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	-77.72	-169.50	-76.49	-80.12	-108.89	-61.73	-8.16	-51.41	-48.13	-43.01	-53.81	-71.16
USGS 07380335 - Little Lake Near Cutoff	-59.08	-146.10	-73.51	-72.16	-106.60	-58.76	1.14	-33.91	-39.93	-26.64	-36.01	-52.53
USGS073802516 Barataria Pass at Grand Isle	-67.51	-144.66	-66.79	-73.36	-99.77	-55.85	4.18	-42.68	-41.12	-33.41	-44.79	-58.94
HWQ14 - Lake Washington	-46.58	-93.54	-37.73	-57.47	-73.18	-53.29	-2.56	-23.58	-24.68	-20.37	-32.95	-45.83
HWQ16 - Bayou Grand Liard	-22.62	-50.90	-33.15	-30.55	-46.96	-24.52	9.61	-1.53	-8.03	-6.44	-15.82	-14.40
CRMS 3985	-15.54	-24.01	-13.93	-26.78	-38.92	-37.68	-6.37	-3.10	-4.01	-4.03	-9.60	-16.87
CRMS 0258	-59.96	-93.06	-70.84	-25.04	-29.61	-27.16	-42.57	-32.83	-17.12	-15.23	-19.15	-32.71
CRMS 0224	-67.39	-142.05	-86.52	-56.57	-74.88	-49.42	-24.46	-40.43	-43.07	-33.19	-36.07	-53.19
CRMS 0163	3.08	3.61	1.14	2.94	3.37	1.35	5.11	14.65	27.41	5.72	0.20	3.44
CRMS 0162	13.37	11.13	9.59	-0.95	3.84	-21.77	36.07	11.36	10.65	32.45	8.68	4.93

Figure WQ SO4 123 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	111.26	139.84	98.71	88.71	88.44	71.75	64.97	52.30	72.37	75.72	121.12	147.88
CRMS0276 - Just east of Wilkinson Canal	332.40	93.39	91.83	75.66	80.68	61.60	117.90	183.65	213.49	320.13	399.88	361.62
Barataria Waterway at Lafitte (USACE82875)	92.14	16.57	15.66	14.06	19.86	12.78	18.42	30.83	31.76	80.85	158.86	93.15
USGS2928590900040000 Barataria Waterway South of Lafitte	163.77	173.93	109.71	87.36	86.91	65.91	73.79	68.91	108.92	120.28	188.19	221.54
USGS7380251 Barataria Bay North of Grand Isle	63.19	86.20	72.08	80.18	83.11	71.66	56.14	38.21	32.44	34.65	63.13	65.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	252.47	213.88	136.35	130.95	132.37	114.26	116.55	138.11	122.44	151.92	266.13	265.29
USGS 07380335 - Little Lake Near Cutoff	347.73	233.22	159.06	147.35	152.89	122.50	145.90	199.93	177.28	242.02	362.93	354.19
USGS073802516 Barataria Pass at Grand Isle	299.67	246.33	165.71	174.58	189.85	167.32	174.55	214.66	155.58	201.04	282.00	312.44
HWQ14 - Lake Washington	117.31	138.49	102.35	118.42	136.56	119.38	95.83	81.93	65.04	63.43	106.44	124.10
HWQ16 - Bayou Grand Liard	537.10	313.90	296.69	276.12	263.86	233.46	337.12	401.98	398.23	495.96	570.09	537.07
CRMS 3985	33.20	49.18	52.05	64.87	71.09	64.85	49.10	28.42	22.90	23.06	27.49	33.00
CRMS 0258	246.85	159.99	82.58	72.68	69.80	40.14	64.88	87.13	150.58	215.34	331.00	344.96
CRMS 0224	278.48	202.70	125.27	107.19	109.26	82.02	104.99	136.75	164.23	205.40	320.15	344.82
CRMS 0163	41.14	11.68	13.35	18.04	15.50	13.32	19.68	28.36	30.89	72.94	78.26	54.89
CRMS 0162	90.26	57.34	108.49	123.72	139.75	52.84	15.27	46.82	212.87	291.83	346.94	205.70

V3PR2 HYST - cy 3 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.38	11.76	12.05	12.44	13.16	14.83	18.57	18.75	22.62	19.78
CRMS0276 - Just east of Wilkinson Canal	252.18	90.49	77.57	63.57	71.62	50.90	70.35	130.24	211.62	323.52	399.11	359.54
Barataria Waterway at Lafitte (USACE82875)	94.64	17.75	16.46	14.37	21.53	13.00	19.42	32.85	30.90	79.56	160.87	94.22
USGS2928590900040000 Barataria Waterway South of Lafitte	14.71	11.01	12.36	11.77	12.24	12.30	12.94	16.49	63.59	75.03	116.89	105.96
USGS7380251 Barataria Bay North of Grand Isle	16.93	11.77	11.86	11.75	12.83	12.60	12.18	13.96	19.80	26.26	47.29	38.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	58.30	26.43	17.34	18.01	20.77	17.75	15.42	46.55	97.51	137.07	222.09	188.89
USGS 07380335 - Little Lake Near Cutoff	139.89	54.34	29.77	29.64	33.12	23.94	27.33	94.73	157.65	235.74	332.56	295.64
USGS073802516 Barataria Pass at Grand Isle	107.66	59.53	32.26	42.11	58.68	49.21	43.20	109.09	136.58	195.42	250.32	250.83
HWQ14 - Lake Washington	30.86	17.60	13.30	20.28	32.78	24.34	14.37	23.94	50.84	59.61	86.36	83.10
HWQ16 - Bayou Grand Liard	437.21	216.45	201.70	179.17	183.23	164.96	264.57	355.97	389.91	498.40	560.33	516.27
CRMS 3985	14.53	10.97	10.56	11.20	12.85	12.61	11.72	12.02	14.46	18.89	25.42	21.85
CRMS 0258	89.62	54.59	25.52	34.78	34.36	17.53	12.96	28.29	135.73	208.12	315.80	307.82
CRMS 0224	81.22	47.59	23.48	29.98	31.66	18.59	14.85	43.63	137.52	193.45	291.06	283.10
CRMS 0163	45.43	11.97	13.65	20.81	16.36	13.74	20.84	31.53	31.90	73.33	82.73	57.07
CRMS 0162	94.70	61.99	122.99	128.47	151.63	50.16	15.56	46.73	230.36	288.91	356.97	222.27

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-98.62	-128.87	-86.33	-76.95	-76.39	-59.30	-51.81	-37.48	-53.80	-56.97	-98.50	-128.10
CRMS0276 - Just east of Wilkinson Canal	-80.22	-2.91	-14.26	-12.09	-9.06	-10.71	-47.54	-53.41	-1.87	3.39	-0.77	-2.07
Barataria Waterway at Lafitte (USACE82875)	2.50	1.18	0.81	0.31	1.67	0.22	1.00	2.02	-0.87	-1.29	2.01	1.07
USGS2928590900040000 Barataria Waterway South of Lafitte	-149.06	-162.92	-97.35	-75.58	-74.67	-53.61	-60.85	-52.42	-45.33	-45.25	-71.30	-115.58
USGS7380251 Barataria Bay North of Grand Isle	-46.25	-74.43	-60.22	-68.42	-70.28	-59.07	-43.96	-24.25	-12.63	-8.39	-15.84	-26.36
USGS73802515 Hackberry Bay Northwest of Grand Isle	-194.17	-187.44	-119.01	-112.94	-111.59	-96.51	-101.13	-91.56	-24.93	-14.84	-44.04	-76.40
USGS 07380335 - Little Lake Near Cutoff	-207.83	-178.88	-129.29	-117.71	-119.77	-98.56	-118.57	-105.20	-19.63	-6.28	-30.38	-58.55
USGS073802516 Barataria Pass at Grand Isle	-192.01	-186.80	-133.45	-132.47	-131.17	-118.12	-131.35	-105.57	-19.00	-5.62	-31.67	-61.62
HWQ14 - Lake Washington	-86.44	-120.89	-89.05	-98.15	-103.79	-95.04	-81.47	-57.99	-14.20	-3.82	-20.08	-41.01
HWQ16 - Bayou Grand Liard	-99.89	-97.45	-94.99	-96.96	-80.63	-68.50	-72.55	-46.01	-8.32	2.44	-9.75	-20.80
CRMS 3985	-18.67	-38.20	-41.49	-53.67	-58.25	-52.24	-37.38	-16.40	-8.45	-4.17	-2.07	-11.16
CRMS 0258	-157.24	-105.40	-57.07	-37.90	-35.44	-22.61	-51.92	-58.84	-14.85	-7.21	-15.20	-37.13
CRMS 0224	-197.26	-155.11	-101.79	-77.21	-77.60	-63.43	-90.14	-93.13	-26.71	-11.95	-29.10	-61.73
CRMS 0163	4.29	0.28	0.31	2.78	0.86	0.42	1.16	3.17	1.01	0.39	4.47	2.18
CRMS 0162	4.44	4.65	14.50	4.74	11.88	-2.68	0.29	-0.10	17.49	-2.92	10.03	16.58

Figure WQ SO4 124 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	97.22	147.52	116.90	93.97	74.53	54.32	53.43	54.95	83.96	84.61	135.15	148.45
CRMS0276 - Just east of Wilkinson Canal	260.75	335.23	177.46	67.30	41.95	31.01	95.93	200.34	238.11	341.73	409.25	187.49
Barataria Waterway at Lafitte (USACE82875)	99.53	89.77	26.16	13.03	13.04	11.58	16.83	38.21	34.56	95.56	158.91	34.86
USGS2928590900040000 Barataria Waterway South of Lafitte	130.75	207.56	176.48	88.62	66.00	45.75	58.92	70.81	126.70	132.65	206.14	214.21
USGS7380251 Barataria Bay North of Grand Isle	55.42	73.93	55.27	77.72	75.33	61.58	48.37	41.97	36.65	38.73	73.45	71.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	207.28	253.63	164.32	128.61	115.65	89.76	95.85	154.54	138.09	165.75	286.22	250.72
USGS 07380335 - Little Lake Near Cutoff	291.51	326.79	217.42	142.23	126.99	91.93	121.32	220.94	196.62	257.49	381.77	306.64
USGS073802516 Barataria Pass at Grand Isle	249.80	304.36	189.11	169.27	161.93	129.06	148.67	236.46	173.17	214.87	300.66	283.21
HWQ14 - Lake Washington	100.30	127.12	80.09	113.45	125.46	99.13	79.94	92.40	73.18	70.64	121.52	133.09
HWQ16 - Bayou Grand Liard	507.00	509.27	364.23	262.60	195.69	177.00	311.85	434.15	417.33	512.71	577.95	419.47
CRMS 3985	30.83	36.12	30.30	55.42	64.33	57.28	43.82	32.56	25.15	24.98	35.33	37.42
CRMS 0258	170.49	300.54	215.88	64.24	44.77	26.12	48.66	87.92	178.03	229.56	352.32	267.82
CRMS 0224	211.29	305.37	229.52	100.05	80.11	57.43	82.63	144.82	185.61	220.03	342.26	304.70
CRMS 0163	74.67	64.76	15.56	12.67	12.53	11.67	18.32	36.16	36.58	93.54	71.74	15.63
CRMS 0162	190.03	278.79	92.15	102.85	55.82	26.94	14.67	62.57	269.30	411.14	326.04	60.14

V3PR2 HYST - cy 3 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.39	20.53	11.89	11.35	12.44	11.60	13.04	15.86	19.57	20.02	22.33	11.91
CRMS0276 - Just east of Wilkinson Canal	210.11	327.50	179.79	59.11	33.88	24.32	53.91	168.77	234.82	348.47	413.03	200.73
Barataria Waterway at Lafitte (USACE82875)	94.40	89.56	28.24	13.19	13.29	11.68	17.45	40.78	37.39	102.73	164.50	38.60
USGS2928590900040000 Barataria Waterway South of Lafitte	23.40	76.43	15.24	11.38	12.42	11.50	12.81	22.35	78.45	78.02	114.39	12.75
USGS7380251 Barataria Bay North of Grand Isle	16.84	41.29	17.87	12.36	12.90	12.06	11.75	15.94	22.41	26.91	47.51	19.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	92.77	174.16	39.49	18.51	16.69	14.43	14.12	90.13	115.70	135.92	226.77	50.45
USGS 07380335 - Little Lake Near Cutoff	178.94	259.10	75.89	30.24	22.67	17.28	23.60	164.59	180.98	238.15	342.27	115.25
USGS073802516 Barataria Pass at Grand Isle	134.74	234.46	72.98	44.49	39.43	33.53	36.13	174.56	159.12	193.00	254.24	107.14
HWQ14 - Lake Washington	32.15	75.19	30.07	23.49	27.61	19.56	12.58	40.77	59.68	57.20	87.91	43.45
HWQ16 - Bayou Grand Liard	441.50	480.61	283.24	172.34	118.93	114.56	244.11	420.47	416.34	511.89	565.05	341.09
CRMS 3985	15.68	23.83	17.70	13.23	13.21	12.63	11.24	12.02	15.88	19.90	25.09	21.16
CRMS 0258	60.51	236.51	101.27	31.76	20.55	12.67	12.06	42.40	165.53	212.99	330.67	138.16
CRMS 0224	89.79	226.68	83.21	28.35	19.84	13.31	13.36	79.58	163.22	198.33	301.93	119.55
CRMS 0163	74.96	69.05	16.12	12.76	12.72	11.82	19.16	40.50	39.16	100.99	74.87	16.66
CRMS 0162	192.26	304.34	104.03	106.81	55.69	31.85	14.96	68.85	306.20	446.85	339.91	64.11

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-80.82	-126.99	-105.01	-82.61	-62.09	-42.73	-40.38	-39.10	-64.39	-64.59	-112.82	-136.53
CRMS0276 - Just east of Wilkinson Canal	-50.65	-7.73	2.32	-8.20	-8.06	-6.69	-42.02	-31.57	-3.29	6.74	3.78	13.24
Barataria Waterway at Lafitte (USACE82875)	-5.13	-0.21	2.08	0.15	0.24	0.10	0.62	2.57	2.83	7.18	5.59	3.74
USGS2928590900040000 Barataria Waterway South of Lafitte	-107.35	-131.14	-161.24	-77.24	-53.58	-34.25	-46.11	-48.46	-48.25	-54.63	-91.75	-201.46
USGS7380251 Barataria Bay North of Grand Isle	-38.58	-32.64	-37.40	-65.35	-62.43	-49.52	-36.62	-26.03	-14.24	-11.81	-25.93	-51.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	-114.52	-79.47	-124.83	-110.10	-98.96	-75.33	-81.73	-64.41	-22.39	-29.83	-59.45	-200.27
USGS 07380335 - Little Lake Near Cutoff	-112.57	-67.69	-141.53	-111.99	-104.32	-74.65	-97.73	-56.36	-15.64	-19.34	-39.50	-191.38
USGS073802516 Barataria Pass at Grand Isle	-115.05	-69.91	-116.12	-124.78	-122.49	-95.53	-112.54	-61.90	-14.05	-21.87	-46.42	-176.07
HWQ14 - Lake Washington	-68.15	-51.93	-50.02	-89.95	-97.85	-79.58	-67.36	-51.63	-13.50	-13.44	-33.61	-89.64
HWQ16 - Bayou Grand Liard	-65.50	-28.65	-80.99	-90.26	-76.76	-62.45	-67.74	-13.67	-0.99	-0.82	-12.90	-78.38
CRMS 3985	-15.15	-12.29	-12.60	-42.20	-51.12	-44.65	-32.58	-20.55	-9.27	-5.08	-10.24	-16.26
CRMS 0258	-109.98	-64.03	-114.60	-32.48	-24.22	-13.46	-36.60	-45.52	-12.50	-16.58	-21.65	-129.67
CRMS 0224	-121.50	-78.70	-146.31	-71.70	-60.27	-44.12	-69.27	-65.24	-22.38	-21.70	-40.33	-185.15
CRMS 0163	0.30	4.29	0.55	0.10	0.19	0.15	0.83	4.34	2.59	7.45	3.14	1.04
CRMS 0162	2.23	25.55	11.88	3.96	-0.13	4.91	0.30	6.28	36.90	35.71	13.87	3.97

Figure WQ SO4 125 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	107.71	141.04	101.23	100.43	76.28	61.93	61.22	65.18	114.09	108.15	140.15	150.90
CRMS0276 - Just east of Wilkinson Canal	298.33	145.77	149.12	60.61	58.32	43.32	165.23	340.42	346.30	371.22	359.72	332.18
Barataria Waterway at Lafitte (USACE82875)	94.81	26.42	25.61	12.12	13.30	11.48	44.18	101.40	80.40	83.26	121.01	88.15
USGS2928590900040000 Barataria Waterway South of Lafitte	155.63	190.62	127.29	99.37	68.40	56.56	67.37	87.48	184.38	178.20	212.96	217.21
USGS7380251 Barataria Bay North of Grand Isle	59.44	77.09	61.82	83.65	79.12	65.26	52.09	41.08	42.85	44.79	75.04	69.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	241.45	231.26	145.86	138.27	118.80	100.19	115.73	213.83	194.48	202.37	279.54	256.27
USGS 07380335 - Little Lake Near Cutoff	334.34	269.39	184.76	150.37	133.86	104.73	167.08	337.97	276.72	301.73	367.09	337.78
USGS073802516 Barataria Pass at Grand Isle	285.10	268.50	176.09	179.82	168.75	144.30	188.69	328.65	237.40	254.19	294.71	302.25
HWQ14 - Lake Washington	111.61	130.10	89.46	123.87	127.51	107.06	86.31	97.23	92.35	86.01	121.99	128.47
HWQ16 - Bayou Grand Liard	530.72	368.90	350.25	263.01	222.39	198.07	428.78	590.08	512.91	535.34	548.60	523.37
CRMS 3985	30.10	41.17	38.83	62.35	69.20	60.08	45.56	28.42	26.62	27.29	36.25	34.96
CRMS 0258	227.49	209.49	118.52	73.41	48.45	34.67	65.71	139.45	285.27	314.30	339.65	318.64
CRMS 0224	262.70	248.00	158.56	110.75	86.24	70.29	104.39	212.15	277.31	283.01	335.76	321.83
CRMS 0163	59.94	14.84	18.81	11.98	12.01	11.95	57.70	91.22	88.85	67.82	49.30	44.00
CRMS 0162	117.91	88.71	145.42	86.46	106.84	41.59	48.02	272.99	496.24	284.92	231.92	167.50

V3PR3 HYST - cy 3 - 2002 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.56	12.15	14.08	10.99	11.26	11.73	16.39	18.38	22.45	19.67	21.09	17.02
CRMS0276 - Just east of Wilkinson Canal	245.08	143.08	139.80	50.99	49.44	34.24	126.51	310.21	340.40	384.64	361.90	329.23
Barataria Waterway at Lafitte (USACE82875)	91.24	27.63	26.36	12.20	13.44	11.54	41.82	97.06	86.41	91.82	120.08	87.58
USGS2928590900040000 Barataria Waterway South of Lafitte	17.60	12.66	15.83	11.10	11.31	11.59	15.56	32.10	106.19	96.91	115.28	74.87
USGS7380251 Barataria Bay North of Grand Isle	18.58	17.62	15.29	12.21	12.05	11.67	12.00	17.50	25.46	31.42	50.24	38.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	97.57	55.32	37.23	19.33	16.34	14.83	43.27	161.23	149.53	168.85	228.02	169.28
USGS 07380335 - Little Lake Near Cutoff	197.42	103.13	71.18	31.90	23.25	18.67	94.35	291.80	239.42	282.89	333.31	265.59
USGS073802516 Barataria Pass at Grand Isle	150.93	107.92	68.19	47.11	42.37	38.02	110.35	281.74	196.45	228.44	254.02	229.06
HWQ14 - Lake Washington	39.22	37.38	23.63	26.10	27.52	20.30	21.18	62.31	65.90	69.72	91.78	80.53
HWQ16 - Bayou Grand Liard	469.21	290.93	291.37	165.97	142.05	129.42	391.37	565.18	496.96	532.98	536.53	494.26
CRMS 3985	17.95	16.59	13.94	13.03	12.71	11.88	11.07	12.84	17.91	22.03	27.63	25.89
CRMS 0258	86.80	92.25	54.18	36.54	20.97	14.89	19.30	89.45	262.38	298.80	323.73	272.55
CRMS 0224	105.38	88.16	54.01	32.53	20.14	15.25	37.01	159.87	233.92	257.35	300.95	251.29
CRMS 0163	60.49	16.08	19.65	12.26	12.10	12.42	55.78	93.33	98.06	78.74	49.67	45.82
CRMS 0162	122.43	93.15	156.16	90.21	116.25	42.91	55.43	287.49	512.98	340.02	245.90	176.40

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-93.16	-128.89	-87.16	-89.43	-65.02	-50.20	-44.83	-46.79	-91.64	-88.48	-119.06	-133.88
CRMS0276 - Just east of Wilkinson Canal	-53.26	-2.69	-9.32	-9.62	-8.88	-9.07	-38.72	-30.21	-5.90	13.42	2.17	-2.95
Barataria Waterway at Lafitte (USACE82875)	-3.57	1.21	0.75	0.08	0.13	0.06	-2.36	-4.35	6.01	8.56	-0.92	-0.57
USGS2928590900040000 Barataria Waterway South of Lafitte	-138.03	-177.96	-111.46	-88.27	-57.08	-44.97	-51.81	-55.38	-78.19	-81.30	-97.68	-142.34
USGS7380251 Barataria Bay North of Grand Isle	-40.86	-59.47	-46.53	-71.44	-67.08	-53.59	-40.08	-23.58	-17.39	-13.38	-24.80	-31.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	-143.89	-175.94	-108.63	-118.94	-102.47	-85.37	-72.46	-52.60	-44.95	-33.52	-51.53	-86.99
USGS 07380335 - Little Lake Near Cutoff	-136.93	-166.25	-113.58	-118.46	-110.61	-86.06	-72.74	-46.17	-37.30	-18.84	-33.78	-72.19
USGS073802516 Barataria Pass at Grand Isle	-134.17	-160.59	-107.90	-132.71	-126.37	-106.28	-78.34	-46.91	-40.95	-25.75	-40.69	-73.19
HWQ14 - Lake Washington	-72.40	-92.72	-65.82	-97.77	-99.99	-86.77	-65.14	-34.92	-26.45	-16.29	-30.20	-47.95
HWQ16 - Bayou Grand Liard	-61.51	-77.97	-58.89	-97.04	-80.34	-68.64	-37.42	-24.89	-15.95	-2.37	-12.07	-29.11
CRMS 3985	-12.14	-24.58	-24.89	-49.32	-56.49	-48.20	-34.49	-15.58	-8.72	-5.26	-8.62	-9.06
CRMS 0258	-140.69	-117.24	-64.35	-36.87	-27.48	-19.78	-46.41	-50.00	-22.89	-15.51	-15.92	-46.08
CRMS 0224	-157.33	-159.84	-104.55	-78.22	-66.10	-55.04	-67.38	-52.28	-43.39	-25.66	-34.81	-70.54
CRMS 0163	0.56	1.24	0.84	0.28	0.08	0.47	-1.92	2.11	9.20	10.92	0.37	1.82
CRMS 0162	4.52	4.44	10.75	3.75	9.41	1.32	7.41	14.51	16.74	55.09	13.98	8.90

Figure WQ SO4 126 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	103.07	131.87	92.82	67.78	62.25	50.52	59.43	61.58	107.21	100.84	143.55	155.93
CRMS0276 - Just east of Wilkinson Canal	294.57	126.03	65.01	55.39	39.50	96.04	219.22	306.72	318.08	414.99	414.80	276.20
Barataria Waterway at Lafitte (USACE82875)	100.10	21.50	11.92	12.18	11.41	21.28	46.14	77.64	56.50	136.58	153.44	58.75
USGS2928590900040000 Barataria Waterway South of Lafitte	146.30	171.82	110.34	63.11	54.44	45.73	68.91	85.31	172.06	164.57	223.49	228.74
USGS7380251 Barataria Bay North of Grand Isle	60.19	75.78	60.16	64.78	66.04	55.03	47.74	37.40	39.35	42.50	76.17	72.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	231.12	213.18	124.22	103.96	100.48	89.37	133.72	198.25	179.78	198.62	298.13	263.06
USGS 07380335 - Little Lake Near Cutoff	320.45	246.78	143.25	117.29	112.34	104.97	199.99	303.36	255.93	305.75	397.29	333.93
USGS073802516 Barataria Pass at Grand Isle	276.76	252.05	149.60	142.71	143.97	147.93	223.39	303.83	220.37	254.84	312.23	301.71
HWQ14 - Lake Washington	110.04	126.39	88.25	96.93	110.30	91.91	89.03	95.20	86.46	82.63	125.38	135.24
HWQ16 - Bayou Grand Liard	529.76	346.48	254.48	238.59	188.43	268.99	469.36	540.21	488.38	561.79	586.24	484.51
CRMS 3985	33.39	41.85	39.30	53.25	58.31	51.04	39.98	25.47	24.71	26.39	35.98	38.53
CRMS 0258	200.86	177.05	85.20	50.87	37.27	35.36	81.47	138.11	258.65	298.26	383.39	292.15
CRMS 0224	244.37	218.63	121.64	79.20	69.32	66.00	126.53	199.77	254.12	271.94	365.04	327.69
CRMS 0163	60.51	13.41	11.13	11.56	11.18	31.77	50.36	72.74	61.04	134.71	62.95	27.31
CRMS 0162	119.84	78.84	58.76	86.51	65.72	81.79	23.16	188.76	430.82	513.37	305.69	99.87

V3PR3 HYST - cy 3 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.91	11.51	10.85	10.93	10.98	15.21	15.96	17.47	21.57	20.78	22.02	15.11
CRMS0276 - Just east of Wilkinson Canal	252.14	123.22	55.98	48.76	33.38	84.54	196.92	296.76	310.70	403.04	406.98	277.20
Barataria Waterway at Lafitte (USACE82875)	101.83	23.08	12.18	12.31	11.48	21.54	49.07	82.00	57.08	141.07	152.90	60.46
USGS2928590900040000 Barataria Waterway South of Lafitte	21.77	11.77	10.85	10.97	10.96	14.55	18.51	32.51	100.57	89.03	118.32	62.96
USGS7380251 Barataria Bay North of Grand Isle	19.00	13.43	10.79	10.87	11.12	12.61	14.43	19.01	25.08	30.72	52.80	32.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	75.74	35.89	13.35	14.09	14.07	28.81	79.45	162.86	143.07	163.39	241.24	133.51
USGS 07380335 - Little Lake Near Cutoff	171.32	73.03	20.75	21.57	18.79	43.16	152.86	281.33	226.28	278.61	354.95	220.59
USGS073802516 Barataria Pass at Grand Isle	129.03	76.61	24.49	30.00	33.37	76.81	173.60	280.60	190.42	224.24	265.83	195.71
HWQ14 - Lake Washington	32.67	22.35	12.45	15.75	22.33	26.40	40.36	72.62	65.60	67.13	94.83	72.80
HWQ16 - Bayou Grand Liard	469.32	256.58	151.36	147.60	115.00	232.26	461.71	541.55	482.22	546.36	562.92	443.31
CRMS 3985	16.89	12.36	10.29	10.38	11.07	11.53	11.57	13.47	17.83	22.02	28.69	24.91
CRMS 0258	80.04	70.17	21.48	23.49	16.72	20.04	40.57	97.31	241.19	273.80	350.70	216.71
CRMS 0224	90.29	63.26	18.84	20.88	16.13	25.69	73.71	163.09	219.57	242.69	319.23	211.02
CRMS 0163	63.15	14.21	11.16	11.73	11.21	34.04	54.19	77.96	63.43	141.79	65.51	29.94
CRMS 0162	126.76	82.81	62.74	92.46	71.22	93.65	26.21	204.87	454.76	524.39	312.77	102.23

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-88.16	-120.36	-81.97	-56.85	-51.27	-35.31	-43.47	-44.11	-85.65	-80.05	-121.53	-140.82
CRMS0276 - Just east of Wilkinson Canal	-42.43	-2.81	-9.03	-6.63	-6.12	-11.50	-22.30	-9.96	-7.38	-11.95	-7.83	1.00
Barataria Waterway at Lafitte (USACE82875)	1.72	1.58	0.26	0.13	0.07	0.25	2.94	4.36	0.58	4.49	-0.54	1.71
USGS2928590900040000 Barataria Waterway South of Lafitte	-124.53	-160.05	-99.48	-52.13	-43.47	-31.17	-50.39	-52.80	-71.50	-75.54	-105.18	-165.79
USGS7380251 Barataria Bay North of Grand Isle	-41.19	-62.35	-49.37	-53.91	-54.92	-42.42	-33.31	-18.38	-14.27	-11.78	-23.37	-39.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	-155.38	-177.29	-110.86	-89.87	-86.40	-60.55	-54.27	-35.39	-36.71	-35.23	-56.89	-129.55
USGS 07380335 - Little Lake Near Cutoff	-149.13	-173.75	-122.50	-95.72	-93.54	-61.81	-47.13	-22.03	-29.65	-27.14	-42.34	-113.34
USGS073802516 Barataria Pass at Grand Isle	-147.73	-175.44	-125.11	-112.71	-110.59	-71.12	-49.80	-23.23	-29.95	-30.60	-46.41	-106.01
HWQ14 - Lake Washington	-77.36	-104.04	-75.81	-81.17	-87.97	-65.51	-48.67	-22.58	-20.86	-15.50	-30.54	-62.43
HWQ16 - Bayou Grand Liard	-60.44	-89.90	-103.12	-91.00	-73.43	-36.73	-7.65	1.33	-6.16	-15.43	-23.33	-41.20
CRMS 3985	-16.50	-29.49	-29.01	-42.87	-47.25	-39.51	-28.40	-12.00	-6.88	-4.38	-7.29	-13.62
CRMS 0258	-120.82	-106.88	-63.72	-27.37	-20.55	-15.33	-40.90	-40.79	-17.46	-24.46	-32.69	-75.45
CRMS 0224	-154.08	-155.37	-102.80	-58.32	-53.18	-40.31	-52.82	-36.68	-34.55	-29.26	-45.82	-116.67
CRMS 0163	2.64	0.80	0.03	0.17	0.02	2.27	3.83	5.22	2.39	7.09	2.57	2.64
CRMS 0162	6.92	3.98	3.98	5.94	5.50	11.87	3.04	16.10	23.94	11.02	7.08	2.36

Figure WQ SO4 127 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	105.34	155.15	109.77	124.49	130.63	101.93	66.36	58.36	119.43	121.49	139.03	136.97
CRMS0276 - Just east of Wilkinson Canal	387.72	213.94	234.50	164.02	146.88	211.07	298.93	396.72	406.47	392.86	345.93	279.28
Barataria Waterway at Lafitte (USACE82875)	172.24	46.08	43.45	32.73	34.44	40.44	98.26	139.30	237.51	96.58	111.60	68.45
USGS2928590900040000 Barataria Waterway South of Lafitte	150.03	211.19	155.60	137.75	140.84	110.93	85.36	84.30	201.75	203.93	211.91	194.93
USGS7380251 Barataria Bay North of Grand Isle	57.94	83.48	54.27	79.43	93.13	78.03	41.17	33.17	41.10	48.03	75.94	65.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	251.46	258.20	155.54	162.75	168.11	147.20	133.50	230.69	216.34	228.09	281.66	234.13
USGS 07380335 - Little Lake Near Cutoff	365.28	307.69	215.53	199.81	201.46	178.27	228.69	373.76	316.42	333.80	368.23	306.30
USGS073802516 Barataria Pass at Grand Isle	302.00	302.20	188.11	215.01	237.37	230.80	238.85	355.82	262.10	278.80	299.18	278.85
HWQ14 - Lake Washington	108.94	142.91	77.82	118.65	151.47	133.45	75.72	89.79	94.28	94.87	125.80	120.86
HWQ16 - Bayou Grand Liard	601.81	441.20	421.74	365.66	341.99	380.38	556.79	634.66	555.43	555.11	542.57	479.85
CRMS 3985	31.81	43.66	31.38	48.07	66.29	64.77	30.79	22.71	24.74	27.67	37.26	36.43
CRMS 0258	236.26	245.67	207.48	127.45	122.84	119.66	127.59	154.28	340.12	353.22	320.35	258.32
CRMS 0224	267.00	283.87	209.20	164.44	166.04	142.59	150.15	233.14	315.81	320.39	337.08	290.47
CRMS 0163	112.89	32.42	27.52	36.81	26.11	59.87	110.30	135.79	252.60	78.88	44.18	41.56
CRMS 0162	236.98	121.18	199.17	234.63	227.20	216.63	218.47	432.57	626.60	358.39	194.39	104.93

V3PR3 HYST - cy 3 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	19.01	14.47	16.12	17.07	14.63	17.56	18.89	19.22	22.93	20.05	20.10	17.78
CRMS0276 - Just east of Wilkinson Canal	365.50	208.91	228.99	157.22	149.66	206.13	294.78	392.20	401.34	394.93	343.52	277.49
Barataria Waterway at Lafitte (USACE82875)	170.28	48.22	44.27	34.12	40.95	40.95	99.21	149.69	258.87	99.64	111.86	67.42
USGS2928590900040000 Barataria Waterway South of Lafitte	54.23	18.26	31.07	33.06	18.18	33.01	25.46	35.42	120.20	106.77	116.44	82.31
USGS7380251 Barataria Bay North of Grand Isle	32.46	23.92	23.66	27.63	26.94	30.92	29.32	24.31	27.97	33.10	49.62	37.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	176.78	89.53	81.32	82.63	59.03	85.86	126.25	178.58	165.88	181.88	224.74	163.13
USGS 07380335 - Little Lake Near Cutoff	307.68	161.16	144.91	126.36	93.41	120.38	229.99	337.39	272.63	303.74	328.68	251.84
USGS073802516 Barataria Pass at Grand Isle	237.27	158.08	124.87	140.35	136.28	176.29	244.04	311.68	216.67	242.52	250.05	219.30
HWQ14 - Lake Washington	67.32	51.93	42.73	62.18	78.36	80.30	73.80	66.43	68.38	73.28	90.20	76.25
HWQ16 - Bayou Grand Liard	579.37	387.71	393.02	326.84	296.61	358.03	565.12	631.27	541.22	549.70	526.38	461.02
CRMS 3985	22.26	21.91	18.87	22.16	28.09	27.44	24.64	19.71	20.65	23.29	27.63	24.92
CRMS 0258	174.71	149.50	134.46	100.65	89.89	93.24	84.58	120.56	318.00	330.47	296.94	222.19
CRMS 0224	200.79	140.43	122.92	106.02	88.66	94.18	126.61	192.15	269.36	283.18	296.73	234.64
CRMS 0163	114.23	35.08	28.86	41.71	28.96	59.70	112.98	149.20	275.93	83.98	45.15	43.32
CRMS 0162	248.08	131.23	207.84	237.94	236.44	209.28	249.03	441.31	639.55	370.30	215.25	109.80

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-86.32	-140.68	-93.66	-107.42	-115.99	-84.37	-47.47	-39.14	-96.50	-101.43	-118.94	-119.19
CRMS0276 - Just east of Wilkinson Canal	-22.22	-5.03	-5.51	-6.80	2.78	-4.94	-4.15	-4.52	-5.13	2.07	-2.41	-1.79
Barataria Waterway at Lafitte (USACE82875)	-1.96	2.14	0.82	1.38	6.51	0.51	0.95	10.39	21.35	3.06	0.27	-1.04
USGS2928590900040000 Barataria Waterway South of Lafitte	-95.80	-192.93	-124.52	-104.69	-122.66	-77.92	-59.90	-48.88	-81.54	-97.16	-95.47	-112.61
USGS7380251 Barataria Bay North of Grand Isle	-25.49	-59.56	-30.60	-51.80	-66.19	-47.11	-11.84	-8.87	-13.13	-14.92	-26.32	-28.48
USGS73802515 Hackberry Bay Northwest of Grand Isle	-74.67	-168.67	-74.21	-80.12	-109.08	-61.33	-7.25	-52.12	-50.47	-46.21	-56.91	-71.00
USGS 07380335 - Little Lake Near Cutoff	-57.60	-146.53	-70.61	-73.45	-108.04	-57.89	1.30	-36.36	-43.79	-30.06	-39.55	-54.45
USGS073802516 Barataria Pass at Grand Isle	-64.73	-144.12	-63.24	-74.66	-101.09	-54.51	5.19	-44.14	-45.43	-36.28	-49.12	-59.55
HWQ14 - Lake Washington	-41.63	-90.99	-35.10	-56.46	-73.12	-53.16	-1.92	-23.36	-25.90	-21.59	-35.60	-44.61
HWQ16 - Bayou Grand Liard	-22.44	-53.48	-28.73	-38.82	-45.38	-22.36	8.33	-3.39	-14.21	-5.42	-16.19	-18.83
CRMS 3985	-9.55	-21.75	-12.50	-25.90	-38.20	-37.33	-6.15	-2.99	-4.10	-4.39	-9.63	-11.51
CRMS 0258	-61.55	-96.16	-73.02	-26.80	-32.95	-26.41	-43.01	-33.72	-22.12	-22.75	-23.41	-36.13
CRMS 0224	-66.21	-143.44	-86.28	-58.42	-77.38	-48.42	-23.55	-41.00	-46.44	-37.21	-40.35	-55.83
CRMS 0163	1.33	2.66	1.34	4.90	2.85	-0.17	2.69	13.41	23.32	5.09	0.97	1.75
CRMS 0162	11.10	10.05	8.67	3.31	9.24	-7.35	30.57	8.75	12.95	11.91	20.87	4.87

Figure WQ SO4 128 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	111.26	139.84	98.71	88.71	88.44	71.75	64.97	52.30	72.37	75.72	121.12	147.88
CRMS0276 - Just east of Wilkinson Canal	332.40	93.39	91.83	75.66	80.68	61.60	117.90	183.65	213.49	320.13	399.88	361.62
Barataria Waterway at Lafitte (USACE82875)	92.14	16.57	15.66	14.06	19.86	12.78	18.42	30.83	31.76	80.85	158.86	93.15
USGS2928590900040000 Barataria Waterway South of Lafitte	163.77	173.93	109.71	87.36	86.91	65.91	73.79	68.91	108.92	120.28	188.19	221.54
USGS7380251 Barataria Bay North of Grand Isle	63.19	86.20	72.08	80.18	83.11	71.66	56.14	38.21	32.44	34.65	63.13	65.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	252.47	213.88	136.35	130.95	132.37	114.26	116.55	138.11	122.44	151.92	266.13	265.29
USGS 07380335 - Little Lake Near Cutoff	347.73	233.22	159.06	147.35	152.89	122.50	145.90	199.93	177.28	242.02	362.93	354.19
USGS073802516 Barataria Pass at Grand Isle	299.67	246.33	165.71	174.58	189.85	167.32	174.55	214.66	155.58	201.04	282.00	312.44
HWQ14 - Lake Washington	117.31	138.49	102.35	118.42	136.56	119.38	95.83	81.93	65.04	63.43	106.44	124.10
HWQ16 - Bayou Grand Liard	537.10	313.90	296.69	276.12	263.86	233.46	337.12	401.98	398.23	495.96	570.09	537.07
CRMS 3985	33.20	49.18	52.05	64.87	71.09	64.85	49.10	28.42	22.90	23.06	27.49	33.00
CRMS 0258	246.85	159.99	82.58	72.68	69.80	40.14	64.88	87.13	150.58	215.34	331.00	344.96
CRMS 0224	278.48	202.70	125.27	107.19	109.26	82.02	104.99	136.75	164.23	205.40	320.15	344.82
CRMS 0163	41.14	11.68	13.35	18.04	15.50	13.32	19.68	28.36	30.89	72.94	78.26	54.89
CRMS 0162	90.26	57.34	108.49	123.72	139.75	52.84	15.27	46.82	212.87	291.83	346.94	205.70

V3PR3 HYST - cy 3 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.61	10.97	12.38	11.76	12.05	12.44	13.16	14.84	18.90	18.98	22.03	18.99
CRMS0276 - Just east of Wilkinson Canal	253.98	90.60	74.44	62.52	69.81	48.00	70.05	131.91	214.50	325.73	400.39	357.04
Barataria Waterway at Lafitte (USACE82875)	92.64	17.43	15.83	14.29	21.61	12.92	19.69	32.82	29.52	80.76	157.44	91.07
USGS2928590900040000 Barataria Waterway South of Lafitte	14.49	11.03	12.39	11.81	12.28	12.32	12.99	16.31	62.96	72.95	105.69	92.65
USGS7380251 Barataria Bay North of Grand Isle	19.72	12.42	12.11	11.83	12.83	12.55	12.15	13.97	20.77	27.43	47.74	39.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	67.31	27.02	17.12	17.98	20.51	17.57	15.62	47.31	102.67	140.79	219.97	189.71
USGS 07380335 - Little Lake Near Cutoff	155.23	54.88	29.06	29.39	32.22	23.32	28.09	97.03	163.76	239.32	331.55	295.79
USGS073802516 Barataria Pass at Grand Isle	122.47	60.55	31.75	41.36	56.83	48.23	44.16	110.68	144.20	198.09	247.57	249.29
HWQ14 - Lake Washington	37.50	19.42	13.82	20.29	31.88	23.81	14.38	24.21	56.15	62.29	86.17	83.24
HWQ16 - Bayou Grand Liard	449.80	216.91	196.30	176.87	178.95	162.48	268.48	364.81	399.42	498.30	559.04	516.93
CRMS 3985	19.71	12.50	11.24	11.47	12.92	12.55	11.68	12.01	14.90	19.64	25.97	24.96
CRMS 0258	90.71	53.95	24.66	33.53	33.56	17.35	12.93	28.14	134.73	208.90	312.51	305.25
CRMS 0224	87.04	47.70	23.04	29.43	30.97	18.30	14.92	43.98	139.95	196.51	288.94	283.36
CRMS 0163	44.49	11.93	13.44	20.46	16.24	13.79	21.38	31.04	31.42	74.94	81.10	55.79
CRMS 0162	96.42	60.59	122.42	132.69	151.46	49.58	15.65	48.15	228.21	316.25	361.36	219.20

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-98.65	-128.87	-86.33	-76.95	-76.39	-59.30	-51.81	-37.47	-53.47	-56.73	-99.09	-128.88
CRMS0276 - Just east of Wilkinson Canal	-78.42	-2.79	-17.39	-13.14	-10.87	-13.60	-47.85	-51.74	1.01	5.60	0.51	-4.58
Barataria Waterway at Lafitte (USACE82875)	0.50	0.87	0.17	0.23	1.75	0.14	1.28	2.00	-2.24	-0.09	-1.42	-2.08
USGS2928590900040000 Barataria Waterway South of Lafitte	-149.28	-162.90	-97.32	-75.55	-74.62	-53.59	-60.80	-52.59	-45.96	-47.34	-82.51	-128.89
USGS7380251 Barataria Bay North of Grand Isle	-43.46	-73.78	-59.97	-68.34	-70.28	-59.12	-43.99	-24.25	-11.66	-7.22	-15.39	-25.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	-185.15	-186.86	-119.23	-112.97	-111.86	-96.69	-100.93	-90.80	-19.77	-11.13	-46.16	-75.58
USGS 07380335 - Little Lake Near Cutoff	-192.50	-178.34	-130.00	-117.96	-120.67	-99.18	-117.82	-102.90	-13.52	-2.70	-31.39	-58.40
USGS073802516 Barataria Pass at Grand Isle	-177.20	-185.78	-133.96	-133.22	-133.02	-119.09	-130.39	-103.98	-11.39	-2.94	-34.43	-63.16
HWQ14 - Lake Washington	-79.80	-119.08	-88.54	-98.14	-104.68	-95.57	-81.46	-57.72	-8.89	-1.14	-20.27	-40.86
HWQ16 - Bayou Grand Liard	-87.30	-96.99	-100.40	-99.25	-84.90	-70.98	-68.64	-37.17	1.19	2.35	-11.05	-20.14
CRMS 3985	-13.49	-36.68	-40.81	-53.40	-58.18	-52.30	-37.41	-16.41	-8.01	-3.42	-1.52	-8.04
CRMS 0258	-156.15	-106.04	-57.92	-39.15	-36.24	-22.79	-51.95	-59.00	-15.86	-6.44	-18.49	-39.71
CRMS 0224	-191.44	-155.00	-102.23	-77.76	-78.29	-63.72	-90.07	-92.78	-24.28	-8.88	-31.22	-61.47
CRMS 0163	3.35	0.24	0.09	2.42	0.74	0.47	1.69	2.68	0.53	2.01	2.84	0.90
CRMS 0162	6.16	3.24	13.93	8.97	11.71	-3.25	0.38	1.33	15.34	24.42	14.41	13.50

Figure WQ SO4 129 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	97.22	147.52	116.90	93.97	74.53	54.32	53.43	54.95	83.96	84.61	135.15	148.45
CRMS0276 - Just east of Wilkinson Canal	260.75	335.23	177.46	67.30	41.95	31.01	95.93	200.34	238.11	341.73	409.25	187.49
Barataria Waterway at Lafitte (USACE82875)	99.53	89.77	26.16	13.03	13.04	11.58	16.83	38.21	34.56	95.56	158.91	34.86
USGS2928590900040000 Barataria Waterway South of Lafitte	130.75	207.56	176.48	88.62	66.00	45.75	58.92	70.81	126.70	132.65	206.14	214.21
USGS7380251 Barataria Bay North of Grand Isle	55.42	73.93	55.27	77.72	75.33	61.58	48.37	41.97	36.65	38.73	73.45	71.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	207.28	253.63	164.32	128.61	115.65	89.76	95.85	154.54	138.09	165.75	286.22	250.72
USGS 07380335 - Little Lake Near Cutoff	291.51	326.79	217.42	142.23	126.99	91.93	121.32	220.94	196.62	257.49	381.77	306.64
USGS073802516 Barataria Pass at Grand Isle	249.80	304.36	189.11	169.27	161.93	129.06	148.67	236.46	173.17	214.87	300.66	283.21
HWQ14 - Lake Washington	100.30	127.12	80.09	113.45	125.46	99.13	79.94	92.40	73.18	70.64	121.52	133.09
HWQ16 - Bayou Grand Liard	507.00	509.27	364.23	262.60	195.69	177.00	311.85	434.15	417.33	512.71	577.95	419.47
CRMS 3985	30.83	36.12	30.30	55.42	64.33	57.28	43.82	32.56	25.15	24.98	35.33	37.42
CRMS 0258	170.49	300.54	215.88	64.24	44.77	26.12	48.66	87.92	178.03	229.56	352.32	267.82
CRMS 0224	211.29	305.37	229.52	100.05	80.11	57.43	82.63	144.82	185.61	220.03	342.26	304.70
CRMS 0163	74.67	64.76	15.56	12.67	12.53	11.67	18.32	36.16	36.58	93.54	71.74	15.63
CRMS 0162	190.03	278.79	92.15	102.85	55.82	26.94	14.67	62.57	269.30	411.14	326.04	60.14

V3PR3 HYST - cy 3 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.46	20.26	11.88	11.35	12.44	11.58	13.05	15.88	19.79	20.01	22.21	11.91
CRMS0276 - Just east of Wilkinson Canal	217.13	324.15	175.55	58.09	33.24	25.00	51.71	163.95	237.89	350.21	413.86	197.00
Barataria Waterway at Lafitte (USACE82875)	93.24	87.39	26.82	13.12	13.16	11.67	17.10	38.23	35.26	101.27	164.19	37.44
USGS2928590900040000 Barataria Waterway South of Lafitte	22.93	70.77	14.91	11.43	12.43	11.50	12.85	21.37	74.20	74.38	105.54	12.43
USGS7380251 Barataria Bay North of Grand Isle	17.31	41.91	17.93	12.32	12.86	12.01	11.72	16.07	23.26	27.04	48.21	19.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	100.36	174.98	38.84	18.04	16.50	14.35	14.03	88.98	116.84	137.43	227.73	49.72
USGS 07380335 - Little Lake Near Cutoff	190.68	259.01	73.98	29.07	22.24	17.16	23.22	161.28	182.93	239.77	343.66	113.50
USGS073802516 Barataria Pass at Grand Isle	145.41	234.93	71.69	42.23	38.36	33.28	35.28	171.66	159.87	193.71	254.69	105.52
HWQ14 - Lake Washington	34.51	76.08	30.09	23.17	26.84	19.32	12.49	40.19	59.55	57.23	87.81	42.79
HWQ16 - Bayou Grand Liard	459.16	477.15	277.86	167.52	117.40	115.29	237.54	414.55	422.14	509.75	569.38	341.37
CRMS 3985	15.65	24.16	17.80	13.15	13.13	12.56	11.19	11.99	16.07	19.90	25.30	21.16
CRMS 0258	64.76	235.77	97.46	31.12	20.20	12.63	12.05	41.27	163.10	214.93	329.24	135.30
CRMS 0224	97.01	227.08	81.04	27.91	19.51	13.26	13.28	77.38	161.77	199.43	302.78	118.59
CRMS 0163	72.94	67.07	15.91	12.60	12.70	11.82	18.76	37.74	37.44	98.70	75.41	16.44
CRMS 0162	195.57	290.66	105.26	111.31	53.93	30.37	14.97	67.80	285.92	442.74	337.46	63.48

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-80.75	-127.25	-105.03	-82.61	-62.09	-42.74	-40.38	-39.08	-64.18	-64.60	-112.94	-136.54
CRMS0276 - Just east of Wilkinson Canal	-43.63	-11.08	-1.92	-9.21	-8.71	-6.02	-44.22	-36.39	-0.22	8.48	4.61	9.51
Barataria Waterway at Lafitte (USACE82875)	-6.29	-2.38	0.66	0.09	0.12	0.09	0.27	0.02	0.71	5.71	5.28	2.58
USGS2928590900040000 Barataria Waterway South of Lafitte	-107.82	-136.80	-161.58	-77.20	-53.56	-34.26	-46.07	-49.44	-52.50	-58.27	-100.61	-201.78
USGS7380251 Barataria Bay North of Grand Isle	-38.11	-32.02	-37.34	-65.40	-62.47	-49.57	-36.65	-25.90	-13.38	-11.69	-25.23	-51.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	-106.93	-78.65	-125.48	-110.57	-99.15	-75.42	-81.82	-65.56	-21.25	-28.31	-58.49	-201.00
USGS 07380335 - Little Lake Near Cutoff	-100.82	-67.78	-143.44	-113.15	-104.76	-74.77	-98.10	-59.66	-13.70	-17.72	-38.11	-193.14
USGS073802516 Barataria Pass at Grand Isle	-104.39	-69.43	-117.42	-127.04	-123.56	-95.78	-113.39	-64.80	-13.30	-21.16	-45.96	-177.70
HWQ14 - Lake Washington	-65.79	-51.03	-50.00	-90.28	-98.63	-79.81	-67.45	-52.20	-13.63	-13.41	-33.71	-90.30
HWQ16 - Bayou Grand Liard	-47.84	-32.12	-86.37	-95.07	-78.29	-61.71	-74.31	-19.60	4.81	-2.96	-8.57	-78.10
CRMS 3985	-15.18	-11.96	-12.50	-42.27	-51.20	-44.72	-32.63	-20.58	-9.08	-5.08	-10.03	-16.27
CRMS 0258	-105.73	-64.77	-118.42	-33.12	-24.57	-13.49	-36.61	-46.65	-14.93	-14.64	-23.07	-132.53
CRMS 0224	-114.28	-78.30	-148.48	-72.14	-60.60	-44.18	-69.35	-67.43	-23.84	-20.60	-39.48	-186.11
CRMS 0163	-1.73	2.31	0.35	-0.07	0.17	0.15	0.43	1.58	0.86	5.16	3.67	0.82
CRMS 0162	5.54	11.87	13.12	8.46	-1.89	3.42	0.30	5.23	16.62	31.60	11.42	3.34

Figure WQ SO4 130 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	107.71	141.04	101.23	100.43	76.28	61.93	61.22	65.18	114.09	108.15	140.15	150.90
CRMS0276 - Just east of Wilkinson Canal	298.33	145.77	149.12	60.61	58.32	43.32	165.23	340.42	346.30	371.22	359.72	332.18
Barataria Waterway at Lafitte (USACE82875)	94.81	26.42	25.61	12.12	13.30	11.48	44.18	101.40	80.40	83.26	121.01	88.15
USGS2928590900040000 Barataria Waterway South of Lafitte	155.63	190.62	127.29	99.37	68.40	56.56	67.37	87.48	184.38	178.20	212.96	217.21
USGS7380251 Barataria Bay North of Grand Isle	59.44	77.09	61.82	83.65	79.12	65.26	52.09	41.08	42.85	44.79	75.04	69.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	241.45	231.26	145.86	138.27	118.80	100.19	115.73	213.83	194.48	202.37	279.54	256.27
USGS 07380335 - Little Lake Near Cutoff	334.34	269.39	184.76	150.37	133.86	104.73	167.08	337.97	276.72	301.73	367.09	337.78
USGS073802516 Barataria Pass at Grand Isle	285.10	268.50	176.09	179.82	168.75	144.30	188.69	328.65	237.40	254.19	294.71	302.25
HWQ14 - Lake Washington	111.61	130.10	89.46	123.87	127.51	107.06	86.31	97.23	92.35	86.01	121.99	128.47
HWQ16 - Bayou Grand Liard	530.72	368.90	350.25	263.01	222.39	198.07	428.78	590.08	512.91	535.34	548.60	523.37
CRMS 3985	30.10	41.17	38.83	62.35	69.20	60.08	45.56	28.42	26.62	27.29	36.25	34.96
CRMS 0258	227.49	209.49	118.52	73.41	48.45	34.67	65.71	139.45	285.27	314.30	339.65	318.64
CRMS 0224	262.70	248.00	158.56	110.75	86.24	70.29	104.39	212.15	277.31	283.01	335.76	321.83
CRMS 0163	59.94	14.84	18.81	11.98	12.01	11.95	57.70	91.22	88.85	67.82	49.30	44.00
CRMS 0162	117.91	88.71	145.42	86.46	106.84	41.59	48.02	272.99	496.24	284.92	231.92	167.50

V3PR4 HYST - cy 3 - 2002 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.40	12.14	14.06	11.00	11.26	11.74	16.30	18.26	19.83	19.03	20.26	17.00
CRMS0276 - Just east of Wilkinson Canal	223.93	127.44	127.39	45.50	41.27	28.20	117.02	302.82	314.19	355.28	345.76	316.94
Barataria Waterway at Lafitte (USACE82875)	82.58	25.89	24.74	12.04	13.07	11.50	37.86	88.15	56.90	77.67	112.40	81.74
USGS2928590900040000 Barataria Waterway South of Lafitte	16.12	12.14	14.35	10.99	11.26	11.65	15.43	28.91	82.12	62.45	87.29	52.38
USGS7380251 Barataria Bay North of Grand Isle	16.99	15.89	14.32	11.41	11.54	11.18	11.16	16.55	24.10	29.73	46.54	33.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	79.96	36.23	27.21	13.34	12.79	12.17	38.89	161.90	143.55	157.04	218.43	154.60
USGS 07380335 - Little Lake Near Cutoff	170.29	69.68	54.14	18.70	15.61	13.68	86.54	291.85	227.74	267.51	322.10	251.52
USGS073802516 Barataria Pass at Grand Isle	130.03	80.99	54.39	28.12	26.66	24.19	101.67	284.04	192.33	217.66	247.52	218.42
HWQ14 - Lake Washington	34.60	32.70	20.27	18.71	19.79	14.53	17.82	63.90	65.59	66.66	89.63	74.79
HWQ16 - Bayou Grand Liard	443.31	254.08	264.46	128.79	110.08	110.73	377.36	560.92	482.03	519.14	523.12	483.10
CRMS 3985	17.48	17.19	13.88	12.04	11.82	11.00	10.29	12.01	17.43	21.58	25.90	23.86
CRMS 0258	60.35	61.60	37.76	23.43	15.31	12.79	18.11	87.21	243.37	266.83	308.59	254.98
CRMS 0224	82.74	58.57	38.11	19.68	14.55	12.58	33.87	158.94	221.23	235.73	288.78	234.03
CRMS 0163	55.80	15.38	18.63	12.20	11.98	12.13	50.45	86.25	67.19	66.13	47.14	42.65
CRMS 0162	122.98	97.09	159.10	91.05	113.87	44.19	42.89	259.38	476.74	265.83	247.00	162.98

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-93.32	-128.89	-87.17	-89.43	-65.02	-50.19	-44.92	-46.92	-94.25	-89.12	-119.89	-133.91
CRMS0276 - Just east of Wilkinson Canal	-74.40	-18.32	-21.73	-15.12	-17.05	-15.12	-48.22	-37.60	-32.11	-15.94	-13.97	-15.24
Barataria Waterway at Lafitte (USACE82875)	-12.23	-0.53	-0.87	-0.08	-0.24	0.01	-6.33	-13.25	-23.50	-5.59	-8.60	-6.42
USGS2928590900040000 Barataria Waterway South of Lafitte	-139.51	-178.49	-112.94	-88.38	-57.14	-44.91	-51.94	-58.57	-102.25	-115.75	-125.67	-164.83
USGS7380251 Barataria Bay North of Grand Isle	-42.45	-61.20	-47.50	-72.24	-67.59	-54.08	-40.93	-24.53	-18.76	-15.06	-28.50	-35.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	-161.50	-195.03	-118.65	-124.93	-106.01	-88.03	-76.85	-51.94	-50.93	-45.33	-61.11	-101.67
USGS 07380335 - Little Lake Near Cutoff	-164.05	-199.71	-130.62	-131.66	-118.25	-91.04	-80.54	-46.11	-48.98	-34.22	-44.98	-86.26
USGS073802516 Barataria Pass at Grand Isle	-155.07	-187.51	-121.70	-151.70	-142.09	-120.11	-87.02	-44.62	-45.07	-36.53	-47.19	-83.83
HWQ14 - Lake Washington	-77.01	-97.40	-69.19	-105.16	-107.71	-92.53	-68.50	-33.33	-26.77	-19.35	-32.35	-53.69
HWQ16 - Bayou Grand Liard	-87.41	-114.81	-85.79	-134.23	-112.31	-87.34	-51.43	-29.15	-30.88	-16.20	-25.48	-40.26
CRMS 3985	-12.62	-23.97	-24.94	-50.31	-57.37	-49.07	-35.27	-16.42	-9.19	-5.71	-10.34	-11.09
CRMS 0258	-167.14	-147.88	-80.76	-49.98	-33.14	-21.88	-47.60	-52.24	-41.90	-47.47	-31.06	-63.66
CRMS 0224	-179.97	-189.43	-120.44	-91.07	-71.69	-57.70	-70.53	-53.21	-56.08	-47.28	-46.98	-87.80
CRMS 0163	-4.13	0.55	-0.19	0.21	-0.03	0.19	-7.25	-4.97	-21.67	-1.69	-2.16	-1.35
CRMS 0162	5.07	8.38	13.68	4.59	7.03	2.60	-5.14	-13.61	-19.49	-19.10	15.08	-4.53

Figure WQ SO4 131 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	103.07	131.87	92.82	67.78	62.25	50.52	59.43	61.58	107.21	100.84	143.55	155.93
CRMS0276 - Just east of Wilkinson Canal	294.57	126.03	65.01	55.39	39.50	96.04	219.22	306.72	318.08	414.99	414.80	276.20
Barataria Waterway at Lafitte (USACE82875)	100.10	21.50	11.92	12.18	11.41	21.28	46.14	77.64	56.50	136.58	153.44	58.75
USGS2928590900040000 Barataria Waterway South of Lafitte	146.30	171.82	110.34	63.11	54.44	45.73	68.91	85.31	172.06	164.57	223.49	228.74
USGS7380251 Barataria Bay North of Grand Isle	60.19	75.78	60.16	64.78	66.04	55.03	47.74	37.40	39.35	42.50	76.17	72.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	231.12	213.18	124.22	103.96	100.48	89.37	133.72	198.25	179.78	198.62	298.13	263.06
USGS 07380335 - Little Lake Near Cutoff	320.45	246.78	143.25	117.29	112.34	104.97	199.99	303.36	255.93	305.75	397.29	333.93
USGS073802516 Barataria Pass at Grand Isle	276.76	252.05	149.60	142.71	143.97	147.93	223.39	303.83	220.37	254.84	312.23	301.71
HWQ14 - Lake Washington	110.04	126.39	88.25	96.93	110.30	91.91	89.03	95.20	86.46	82.63	125.38	135.24
HWQ16 - Bayou Grand Liard	529.76	346.48	254.48	238.59	188.43	268.99	469.36	540.21	488.38	561.79	586.24	484.51
CRMS 3985	33.39	41.85	39.30	53.25	58.31	51.04	39.98	25.47	24.71	26.39	35.98	38.53
CRMS 0258	200.86	177.05	85.20	50.87	37.27	35.36	81.47	138.11	258.65	298.26	383.39	292.15
CRMS 0224	244.37	218.63	121.64	79.20	69.32	66.00	126.53	199.77	254.12	271.94	365.04	327.69
CRMS 0163	60.51	13.41	11.13	11.56	11.18	31.77	50.36	72.74	61.04	134.71	62.95	27.31
CRMS 0162	119.84	78.84	58.76	86.51	65.72	81.79	23.16	188.76	430.82	513.37	305.69	99.87

V3PR4 HYST - cy 3 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.70	11.51	10.85	10.93	10.99	15.17	15.90	17.33	19.35	20.32	21.53	15.27
CRMS0276 - Just east of Wilkinson Canal	230.78	107.62	45.70	40.92	27.71	75.40	182.61	281.77	295.30	386.04	397.63	260.07
Barataria Waterway at Lafitte (USACE82875)	92.55	21.80	11.95	11.95	11.37	19.75	42.27	71.73	45.79	110.49	144.72	56.45
USGS2928590900040000 Barataria Waterway South of Lafitte	17.92	11.52	10.84	10.93	10.96	14.37	16.92	27.76	79.21	60.46	92.41	48.77
USGS7380251 Barataria Bay North of Grand Isle	15.35	11.84	10.57	10.68	10.89	11.47	12.85	17.64	23.58	28.98	48.96	29.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	54.14	20.56	11.33	11.59	11.65	24.89	72.45	154.52	136.84	153.46	232.91	117.66
USGS 07380335 - Little Lake Near Cutoff	137.58	42.49	14.08	14.40	13.31	37.64	140.83	268.71	215.35	267.71	348.50	200.28
USGS073802516 Barataria Pass at Grand Isle	104.02	48.17	16.74	19.01	20.64	67.41	161.75	270.15	184.32	214.35	261.01	180.82
HWQ14 - Lake Washington	25.43	15.83	10.44	12.47	15.90	20.35	35.67	69.62	64.10	63.71	92.58	68.31
HWQ16 - Bayou Grand Liard	443.77	212.29	119.17	108.78	88.63	217.63	443.42	527.15	465.74	534.48	557.98	422.10
CRMS 3985	12.49	10.66	9.85	10.08	10.65	10.58	10.46	12.56	17.28	21.45	26.39	20.80
CRMS 0258	60.59	42.34	14.02	16.60	13.03	17.41	36.50	91.23	226.85	255.48	341.76	192.69
CRMS 0224	66.76	36.83	12.93	14.61	12.49	21.90	68.05	154.71	208.09	228.91	313.58	189.11
CRMS 0163	58.45	13.84	11.14	11.55	11.18	30.23	47.88	70.83	51.34	108.11	64.21	28.09
CRMS 0162	125.97	86.92	65.28	88.60	70.37	90.15	23.12	168.82	407.21	480.16	308.41	95.31

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-88.37	-120.36	-81.97	-56.85	-51.26	-35.35	-43.53	-44.24	-87.86	-80.51	-122.03	-140.66
CRMS0276 - Just east of Wilkinson Canal	-63.79	-18.40	-19.31	-14.46	-11.79	-20.64	-36.61	-24.95	-22.78	-28.95	-17.18	-16.13
Barataria Waterway at Lafitte (USACE82875)	-7.55	0.29	0.02	-0.23	-0.04	-1.53	-3.87	-5.91	-10.71	-26.09	-8.73	-2.30
USGS2928590900040000 Barataria Waterway South of Lafitte	-128.38	-160.29	-99.49	-52.18	-43.48	-31.36	-51.98	-57.55	-92.86	-104.10	-131.08	-179.98
USGS7380251 Barataria Bay North of Grand Isle	-44.84	-63.94	-49.59	-54.10	-55.15	-43.56	-34.89	-19.75	-15.77	-13.52	-27.21	-43.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	-176.97	-192.61	-112.88	-92.37	-88.83	-64.47	-61.27	-43.74	-42.94	-45.16	-65.22	-145.40
USGS 07380335 - Little Lake Near Cutoff	-182.87	-204.29	-129.17	-102.89	-99.03	-67.33	-59.16	-34.64	-40.58	-38.04	-48.79	-133.65
USGS073802516 Barataria Pass at Grand Isle	-172.74	-203.88	-132.86	-123.71	-123.33	-80.52	-61.65	-33.69	-36.06	-40.49	-51.22	-120.90
HWQ14 - Lake Washington	-84.61	-110.57	-77.81	-84.45	-94.40	-71.56	-53.36	-25.58	-22.36	-18.92	-32.80	-66.93
HWQ16 - Bayou Grand Liard	-85.99	-134.19	-135.31	-129.81	-99.80	-51.36	-25.93	-13.06	-22.64	-27.31	-28.26	-62.41
CRMS 3985	-20.90	-31.19	-29.46	-43.17	-47.67	-40.46	-29.51	-12.91	-7.42	-4.94	-9.59	-17.74
CRMS 0258	-140.27	-134.71	-71.19	-34.26	-24.24	-17.95	-44.97	-46.87	-31.80	-42.78	-41.63	-99.46
CRMS 0224	-177.61	-181.80	-108.72	-64.59	-56.82	-44.10	-58.49	-45.06	-46.03	-43.04	-51.46	-138.58
CRMS 0163	-2.06	0.43	0.01	-0.01	0.00	-1.54	-2.48	-1.91	-9.70	-26.60	1.26	0.78
CRMS 0162	6.13	8.09	6.52	2.09	4.65	8.36	-0.04	-19.95	-23.61	-33.22	2.72	-4.56

Figure WQ SO4 132 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	105.34	155.15	109.77	124.49	130.63	101.93	66.36	58.36	119.43	121.49	139.03	136.97
CRMS0276 - Just east of Wilkinson Canal	387.72	213.94	234.50	164.02	146.88	211.07	298.93	396.72	406.47	392.86	345.93	279.28
Barataria Waterway at Lafitte (USACE82875)	172.24	46.08	43.45	32.73	34.44	40.44	98.26	139.30	237.51	96.58	111.60	68.45
USGS2928590900040000 Barataria Waterway South of Lafitte	150.03	211.19	155.60	137.75	140.84	110.93	85.36	84.30	201.75	203.93	211.91	194.93
USGS7380251 Barataria Bay North of Grand Isle	57.94	83.48	54.27	79.43	93.13	78.03	41.17	33.17	41.10	48.03	75.94	65.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	251.46	258.20	155.54	162.75	168.11	147.20	133.50	230.69	216.34	228.09	281.66	234.13
USGS 07380335 - Little Lake Near Cutoff	365.28	307.69	215.53	199.81	201.46	178.27	228.69	373.76	316.42	333.80	368.23	306.30
USGS073802516 Barataria Pass at Grand Isle	302.00	302.20	188.11	215.01	237.37	230.80	238.85	355.82	262.10	278.80	299.18	278.85
HWQ14 - Lake Washington	108.94	142.91	77.82	118.65	151.47	133.45	75.72	89.79	94.28	94.87	125.80	120.86
HWQ16 - Bayou Grand Liard	601.81	441.20	421.74	365.66	341.99	380.38	556.79	634.66	555.43	555.11	542.57	479.85
CRMS 3985	31.81	43.66	31.38	48.07	66.29	64.77	30.79	22.71	24.74	27.67	37.26	36.43
CRMS 0258	236.26	245.67	207.48	127.45	122.84	119.66	127.59	154.28	340.12	353.22	320.35	258.32
CRMS 0224	267.00	283.87	209.20	164.44	166.04	142.59	150.15	233.14	315.81	320.39	337.08	290.47
CRMS 0163	112.89	32.42	27.52	36.81	26.11	59.87	110.30	135.79	252.60	78.88	44.18	41.56
CRMS 0162	236.98	121.18	199.17	234.63	227.20	216.63	218.47	432.57	626.60	358.39	194.39	104.93

V3PR4 HYST - cy 3 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	18.73	14.45	16.00	16.44	14.58	17.49	18.89	19.16	20.50	19.63	19.29	17.47
CRMS0276 - Just east of Wilkinson Canal	363.70	194.94	215.10	146.15	132.35	192.53	281.94	382.81	377.87	380.04	328.81	263.48
Barataria Waterway at Lafitte (USACE82875)	162.67	44.61	40.62	31.03	33.27	38.98	89.22	127.79	171.24	89.33	102.23	61.64
USGS2928590900040000 Barataria Waterway South of Lafitte	42.74	15.85	23.67	26.39	15.65	25.61	21.77	30.81	93.91	71.23	87.50	60.10
USGS7380251 Barataria Bay North of Grand Isle	31.37	21.45	22.08	24.47	24.00	28.12	27.13	23.09	26.98	32.41	47.44	35.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	170.90	68.90	71.34	70.16	44.45	78.05	118.95	176.07	160.55	173.77	218.88	156.16
USGS 07380335 - Little Lake Near Cutoff	307.33	134.91	131.12	109.74	72.99	111.16	220.82	337.49	263.28	292.39	321.82	244.86
USGS073802516 Barataria Pass at Grand Isle	237.28	139.58	116.96	124.10	114.59	165.47	234.14	310.33	212.30	235.44	247.66	213.38
HWQ14 - Lake Washington	66.70	47.97	41.39	54.74	68.41	71.61	68.14	66.35	67.97	71.97	90.61	74.83
HWQ16 - Bayou Grand Liard	584.48	373.81	377.52	310.49	265.18	349.82	552.79	626.99	533.19	541.54	516.91	453.00
CRMS 3985	21.97	21.24	18.78	20.47	25.57	25.11	22.80	18.99	20.37	23.35	27.91	24.76
CRMS 0258	172.51	119.14	117.38	86.06	69.62	79.63	77.46	117.84	296.04	303.28	286.78	214.16
CRMS 0224	199.29	110.04	108.17	88.19	67.66	83.10	120.20	190.74	256.97	266.10	289.07	226.91
CRMS 0163	109.86	32.29	27.82	36.69	26.14	58.91	104.69	122.00	186.65	77.00	40.79	40.79
CRMS 0162	235.06	129.84	214.16	247.63	228.10	185.16	200.39	412.09	619.41	338.02	201.85	104.17

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-86.61	-140.69	-93.77	-108.05	-116.04	-84.44	-47.47	-39.20	-98.93	-101.85	-119.74	-119.50
CRMS0276 - Just east of Wilkinson Canal	-24.03	-19.00	-19.40	-17.87	-14.53	-18.54	-16.99	-13.90	-28.61	-12.82	-17.12	-15.80
Barataria Waterway at Lafitte (USACE82875)	-9.57	-1.46	-2.83	-1.70	-1.17	-1.46	-9.04	-11.52	-66.27	-7.25	-9.37	-6.81
USGS2928590900040000 Barataria Waterway South of Lafitte	-107.29	-195.34	-131.93	-111.36	-125.18	-85.32	-63.59	-53.50	-107.84	-132.70	-124.42	-134.83
USGS7380251 Barataria Bay North of Grand Isle	-26.58	-62.03	-32.19	-54.96	-69.12	-49.92	-14.04	-10.08	-14.12	-15.62	-28.50	-30.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	-80.56	-189.31	-84.20	-92.59	-123.66	-69.15	-14.55	-54.62	-55.80	-54.32	-62.78	-77.97
USGS 07380335 - Little Lake Near Cutoff	-57.95	-172.78	-84.41	-90.07	-128.47	-67.10	-7.87	-36.26	-53.14	-41.41	-46.41	-61.44
USGS073802516 Barataria Pass at Grand Isle	-64.72	-162.63	-71.15	-90.91	-122.78	-65.33	-4.71	-45.49	-49.80	-43.36	-51.51	-65.46
HWQ14 - Lake Washington	-42.24	-94.94	-36.43	-63.91	-83.07	-61.85	-7.58	-23.44	-26.31	-22.90	-35.19	-46.03
HWQ16 - Bayou Grand Liard	-17.33	-67.39	-44.22	-55.17	-76.80	-30.56	-4.00	-7.67	-22.24	-13.58	-25.66	-26.85
CRMS 3985	-9.85	-22.42	-12.60	-27.60	-40.71	-39.66	-7.99	-3.72	-4.37	-4.32	-9.35	-11.68
CRMS 0258	-63.75	-126.53	-90.10	-41.39	-53.21	-40.02	-50.13	-36.44	-44.08	-49.94	-33.57	-44.16
CRMS 0224	-67.70	-173.83	-101.03	-76.25	-98.37	-59.49	-29.95	-42.40	-58.84	-54.29	-48.01	-63.56
CRMS 0163	-3.03	-0.13	0.30	-0.12	0.04	-0.97	-5.60	-13.79	-65.96	-1.88	-3.38	-0.77
CRMS 0162	-1.92	8.66	14.99	13.01	0.89	-31.47	-18.08	-20.48	-7.19	-20.38	7.46	-0.76

Figure WQ SO4 133 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	111.26	139.84	98.71	88.71	88.44	71.75	64.97	52.30	72.37	75.72	121.12	147.88
CRMS0276 - Just east of Wilkinson Canal	332.40	93.39	91.83	75.66	80.68	61.60	117.90	183.65	213.49	320.13	399.88	361.62
Barataria Waterway at Lafitte (USACE82875)	92.14	16.57	15.66	14.06	19.86	12.78	18.42	30.83	31.76	80.85	158.86	93.15
USGS2928590900040000 Barataria Waterway South of Lafitte	163.77	173.93	109.71	87.36	86.91	65.91	73.79	68.91	108.92	120.28	188.19	221.54
USGS7380251 Barataria Bay North of Grand Isle	63.19	86.20	72.08	80.18	83.11	71.66	56.14	38.21	32.44	34.65	63.13	65.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	252.47	213.88	136.35	130.95	132.37	114.26	116.55	138.11	122.44	151.92	266.13	265.29
USGS 07380335 - Little Lake Near Cutoff	347.73	233.22	159.06	147.35	152.89	122.50	145.90	199.93	177.28	242.02	362.93	354.19
USGS073802516 Barataria Pass at Grand Isle	299.67	246.33	165.71	174.58	189.85	167.32	174.55	214.66	155.58	201.04	282.00	312.44
HWQ14 - Lake Washington	117.31	138.49	102.35	118.42	136.56	119.38	95.83	81.93	65.04	63.43	106.44	124.10
HWQ16 - Bayou Grand Liard	537.10	313.90	296.69	276.12	263.86	233.46	337.12	401.98	398.23	495.96	570.09	537.07
CRMS 3985	33.20	49.18	52.05	64.87	71.09	64.85	49.10	28.42	22.90	23.06	27.49	33.00
CRMS 0258	246.85	159.99	82.58	72.68	69.80	40.14	64.88	87.13	150.58	215.34	331.00	344.96
CRMS 0224	278.48	202.70	125.27	107.19	109.26	82.02	104.99	136.75	164.23	205.40	320.15	344.82
CRMS 0163	41.14	11.68	13.35	18.04	15.50	13.32	19.68	28.36	30.89	72.94	78.26	54.89
CRMS 0162	90.26	57.34	108.49	123.72	139.75	52.84	15.27	46.82	212.87	291.83	346.94	205.70

V3PR4 HYST - cy 3 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.38	11.76	12.05	12.45	13.17	14.79	17.27	18.53	21.57	18.91
CRMS0276 - Just east of Wilkinson Canal	227.09	79.96	64.10	53.96	62.47	40.38	52.45	109.49	197.89	309.04	385.36	343.36
Barataria Waterway at Lafitte (USACE82875)	84.61	16.69	15.45	13.67	19.30	12.70	17.93	28.21	28.12	73.65	147.99	85.29
USGS2928590900040000 Barataria Waterway South of Lafitte	13.01	10.96	12.36	11.70	12.06	12.37	13.05	15.76	49.57	50.75	83.48	69.62
USGS7380251 Barataria Bay North of Grand Isle	18.28	12.20	12.30	11.58	12.28	12.04	11.98	13.37	19.05	25.85	47.32	38.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	44.94	17.42	14.07	13.65	15.49	13.94	13.25	38.57	92.88	133.69	218.73	184.25
USGS 07380335 - Little Lake Near Cutoff	116.15	34.18	19.95	18.86	22.23	16.76	18.67	75.19	151.22	229.61	330.17	291.05
USGS073802516 Barataria Pass at Grand Isle	96.70	42.34	23.10	27.55	40.10	32.75	28.88	89.36	132.83	192.65	251.21	245.37
HWQ14 - Lake Washington	33.94	17.84	13.20	16.14	25.27	17.71	12.07	20.78	50.30	59.63	90.26	83.22
HWQ16 - Bayou Grand Liard	417.07	179.57	165.26	142.83	149.33	142.31	234.38	328.36	386.37	489.80	551.62	508.66
CRMS 3985	19.84	14.02	12.23	11.53	12.43	11.80	11.33	11.69	14.03	18.68	27.58	25.59
CRMS 0258	66.63	32.28	16.95	22.81	23.52	14.38	12.52	25.14	120.17	194.71	306.90	297.34
CRMS 0224	59.46	27.98	16.24	19.26	21.70	14.43	13.07	35.52	125.72	184.78	287.75	276.66
CRMS 0163	41.47	11.89	13.38	18.19	15.64	13.35	19.28	27.44	30.18	67.80	76.40	52.63
CRMS 0162	97.82	62.80	117.97	129.55	142.99	52.21	15.59	49.09	204.66	259.10	354.43	189.01

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-98.62	-128.87	-86.33	-76.95	-76.40	-59.29	-51.80	-37.51	-55.10	-57.18	-99.55	-128.97
CRMS0276 - Just east of Wilkinson Canal	-105.32	-13.44	-27.73	-21.70	-18.21	-21.22	-65.45	-74.16	-15.59	-11.09	-14.52	-18.25
Barataria Waterway at Lafitte (USACE82875)	-7.53	0.12	-0.20	-0.39	-0.55	-0.08	-0.49	-2.62	-3.64	-7.21	-10.87	-7.86
USGS2928590900040000 Barataria Waterway South of Lafitte	-150.75	-162.97	-97.35	-75.65	-74.85	-53.54	-60.74	-53.15	-59.34	-69.53	-104.71	-151.92
USGS7380251 Barataria Bay North of Grand Isle	-44.91	-74.00	-59.77	-68.60	-70.83	-59.62	-44.16	-24.84	-13.38	-8.80	-15.81	-26.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	-207.53	-196.46	-122.28	-117.30	-116.88	-100.31	-103.30	-99.54	-29.56	-18.22	-47.40	-81.05
USGS 07380335 - Little Lake Near Cutoff	-231.58	-199.04	-139.11	-128.49	-130.66	-105.75	-127.23	-124.74	-26.06	-12.41	-32.77	-63.13
USGS073802516 Barataria Pass at Grand Isle	-202.96	-203.99	-142.61	-147.03	-149.75	-134.57	-145.67	-125.30	-22.75	-8.38	-30.79	-67.07
HWQ14 - Lake Washington	-83.37	-120.65	-89.16	-102.28	-111.30	-101.67	-83.76	-61.15	-14.74	-3.80	-16.18	-40.88
HWQ16 - Bayou Grand Liard	-120.03	-134.33	-131.43	-133.29	-114.53	-91.16	-102.75	-73.62	-11.86	-6.15	-18.47	-28.41
CRMS 3985	-13.36	-35.16	-39.82	-53.34	-58.66	-53.05	-37.77	-16.73	-8.87	-4.38	0.09	-7.41
CRMS 0258	-180.23	-127.71	-65.63	-49.87	-46.28	-25.76	-52.36	-62.00	-30.41	-20.63	-24.10	-47.62
CRMS 0224	-219.02	-174.71	-109.02	-87.93	-87.56	-67.59	-91.92	-101.24	-38.51	-20.62	-32.41	-68.16
CRMS 0163	0.33	0.20	0.03	0.16	0.14	0.03	-0.41	-0.92	-0.70	-5.14	-1.85	-2.26
CRMS 0162	7.56	5.46	9.48	5.82	3.24	-0.63	0.32	2.27	-8.21	-32.73	7.49	-16.69

Figure WQ SO4 134 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	97.22	147.52	116.90	93.97	74.53	54.32	53.43	54.95	83.96	84.61	135.15	148.45
CRMS0276 - Just east of Wilkinson Canal	260.75	335.23	177.46	67.30	41.95	31.01	95.93	200.34	238.11	341.73	409.25	187.49
Barataria Waterway at Lafitte (USACE82875)	99.53	89.77	26.16	13.03	13.04	11.58	16.83	38.21	34.56	95.56	158.91	34.86
USGS2928590900040000 Barataria Waterway South of Lafitte	130.75	207.56	176.48	88.62	66.00	45.75	58.92	70.81	126.70	132.65	206.14	214.21
USGS7380251 Barataria Bay North of Grand Isle	55.42	73.93	55.27	77.72	75.33	61.58	48.37	41.97	36.65	38.73	73.45	71.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	207.28	253.63	164.32	128.61	115.65	89.76	95.85	154.54	138.09	165.75	286.22	250.72
USGS 07380335 - Little Lake Near Cutoff	291.51	326.79	217.42	142.23	126.99	91.93	121.32	220.94	196.62	257.49	381.77	306.64
USGS073802516 Barataria Pass at Grand Isle	249.80	304.36	189.11	169.27	161.93	129.06	148.67	236.46	173.17	214.87	300.66	283.21
HWQ14 - Lake Washington	100.30	127.12	80.09	113.45	125.46	99.13	79.94	92.40	73.18	70.64	121.52	133.09
HWQ16 - Bayou Grand Liard	507.00	509.27	364.23	262.60	195.69	177.00	311.85	434.15	417.33	512.71	577.95	419.47
CRMS 3985	30.83	36.12	30.30	55.42	64.33	57.28	43.82	32.56	25.15	24.98	35.33	37.42
CRMS 0258	170.49	300.54	215.88	64.24	44.77	26.12	48.66	87.92	178.03	229.56	352.32	267.82
CRMS 0224	211.29	305.37	229.52	100.05	80.11	57.43	82.63	144.82	185.61	220.03	342.26	304.70
CRMS 0163	74.67	64.76	15.56	12.67	12.53	11.67	18.32	36.16	36.58	93.54	71.74	15.63
CRMS 0162	190.03	278.79	92.15	102.85	55.82	26.94	14.67	62.57	269.30	411.14	326.04	60.14

V3PR4 HYST - cy 3 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.30	19.68	11.87	11.35	12.45	11.58	13.05	15.78	17.85	19.79	21.30	11.98
CRMS0276 - Just east of Wilkinson Canal	201.02	317.16	163.23	49.04	28.60	20.70	40.83	152.37	222.23	338.51	406.29	182.54
Barataria Waterway at Lafitte (USACE82875)	86.27	81.89	25.34	12.77	13.07	11.64	16.15	33.79	31.06	91.56	156.24	34.81
USGS2928590900040000 Barataria Waterway South of Lafitte	19.23	53.07	13.57	11.34	12.42	11.54	12.92	19.95	58.10	53.45	82.88	12.05
USGS7380251 Barataria Bay North of Grand Isle	15.69	38.31	16.50	11.68	12.47	11.48	11.55	15.04	21.24	27.95	48.66	18.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	87.41	168.10	29.88	13.32	13.39	12.09	12.69	80.51	109.16	142.36	228.57	32.38
USGS 07380335 - Little Lake Near Cutoff	173.06	252.80	54.37	18.25	15.62	13.13	17.67	147.12	172.11	245.57	347.19	74.67
USGS073802516 Barataria Pass at Grand Isle	131.05	228.65	57.77	27.22	24.25	20.98	24.68	158.94	151.37	204.42	261.70	78.85
HWQ14 - Lake Washington	30.31	73.23	26.70	17.41	19.24	14.22	10.84	36.76	56.62	64.70	94.94	40.05
HWQ16 - Bayou Grand Liard	440.97	471.68	241.35	133.42	90.98	92.40	212.20	398.37	403.59	513.16	567.49	301.60
CRMS 3985	14.57	22.95	16.78	12.25	12.38	11.68	10.81	11.50	15.25	20.31	28.85	20.71
CRMS 0258	51.03	224.15	70.94	20.43	15.61	11.88	12.12	38.58	152.77	207.46	329.15	97.52
CRMS 0224	83.76	217.78	59.40	17.62	14.77	11.88	12.46	70.65	151.41	197.56	305.22	83.29
CRMS 0163	69.52	62.25	15.73	12.45	12.68	11.74	17.69	34.71	34.10	89.46	72.99	16.00
CRMS 0162	190.77	264.26	100.59	108.58	54.96	29.10	14.99	56.48	250.05	387.94	327.68	63.64

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-80.92	-127.83	-105.03	-82.61	-62.08	-42.74	-40.38	-39.18	-66.11	-64.82	-113.86	-136.47
CRMS0276 - Just east of Wilkinson Canal	-59.73	-18.07	-14.23	-18.27	-13.35	-10.32	-55.11	-47.97	-15.88	-3.22	-2.95	-4.95
Barataria Waterway at Lafitte (USACE82875)	-13.26	-7.88	-0.82	-0.26	0.03	0.07	-0.68	-4.42	-3.49	-4.00	-2.67	-0.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-111.52	-154.50	-162.91	-77.28	-53.57	-34.21	-46.00	-50.86	-68.60	-79.20	-123.26	-202.16
USGS7380251 Barataria Bay North of Grand Isle	-39.72	-35.62	-38.78	-66.04	-62.86	-50.11	-36.82	-26.93	-15.41	-10.78	-24.79	-53.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-119.88	-85.53	-134.45	-115.30	-102.26	-77.67	-83.16	-74.04	-28.93	-23.39	-57.65	-218.34
USGS 07380335 - Little Lake Near Cutoff	-118.45	-73.99	-163.05	-123.97	-111.37	-78.80	-103.66	-73.83	-24.52	-11.91	-34.57	-231.97
USGS073802516 Barataria Pass at Grand Isle	-118.74	-75.71	-131.33	-142.05	-137.68	-108.08	-123.99	-77.53	-21.80	-10.46	-38.96	-204.36
HWQ14 - Lake Washington	-69.99	-53.89	-53.39	-96.04	-106.22	-84.91	-69.10	-55.63	-16.56	-5.94	-26.58	-93.03
HWQ16 - Bayou Grand Liard	-66.03	-37.59	-122.87	-129.17	-104.72	-84.60	-99.65	-35.77	-13.74	0.45	-10.47	-117.88
CRMS 3985	-16.26	-13.17	-13.53	-43.17	-51.95	-45.60	-33.01	-21.06	-9.90	-4.67	-6.48	-16.71
CRMS 0258	-119.46	-76.39	-144.94	-43.81	-29.16	-14.24	-36.55	-49.34	-25.25	-22.11	-23.17	-170.30
CRMS 0224	-127.53	-87.60	-170.12	-82.43	-65.34	-45.55	-70.17	-74.16	-34.20	-22.47	-37.04	-221.40
CRMS 0163	-5.15	-2.51	0.16	-0.21	0.15	0.07	-0.63	-1.45	-2.48	-4.08	1.26	0.37
CRMS 0162	0.74	-14.53	8.44	5.73	-0.87	2.16	0.32	-6.09	-19.25	-23.20	1.64	3.50

Figure WQ SO4 135 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	107.71	141.04	101.23	100.43	76.28	61.93	61.22	65.18	114.09	108.15	140.15	150.90
CRMS0276 - Just east of Wilkinson Canal	298.33	145.77	149.12	60.61	58.32	43.32	165.23	340.42	346.30	371.22	359.72	332.18
Barataria Waterway at Lafitte (USACE82875)	94.81	26.42	25.61	12.12	13.30	11.48	44.18	101.40	80.40	83.26	121.01	88.15
USGS2928590900040000 Barataria Waterway South of Lafitte	155.63	190.62	127.29	99.37	68.40	56.56	67.37	87.48	184.38	178.20	212.96	217.21
USGS7380251 Barataria Bay North of Grand Isle	59.44	77.09	61.82	83.65	79.12	65.26	52.09	41.08	42.85	44.79	75.04	69.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	241.45	231.26	145.86	138.27	118.80	100.19	115.73	213.83	194.48	202.37	279.54	256.27
USGS 07380335 - Little Lake Near Cutoff	334.34	269.39	184.76	150.37	133.86	104.73	167.08	337.97	276.72	301.73	367.09	337.78
USGS073802516 Barataria Pass at Grand Isle	285.10	268.50	176.09	179.82	168.75	144.30	188.69	328.65	237.40	254.19	294.71	302.25
HWQ14 - Lake Washington	111.61	130.10	89.46	123.87	127.51	107.06	86.31	97.23	92.35	86.01	121.99	128.47
HWQ16 - Bayou Grand Liard	530.72	368.90	350.25	263.01	222.39	198.07	428.78	590.08	512.91	535.34	548.60	523.37
CRMS 3985	30.10	41.17	38.83	62.35	69.20	60.08	45.56	28.42	26.62	27.29	36.25	34.96
CRMS 0258	227.49	209.49	118.52	73.41	48.45	34.67	65.71	139.45	285.27	314.30	339.65	318.64
CRMS 0224	262.70	248.00	158.56	110.75	86.24	70.29	104.39	212.15	277.31	283.01	335.76	321.83
CRMS 0163	59.94	14.84	18.81	11.98	12.01	11.95	57.70	91.22	88.85	67.82	49.30	44.00
CRMS 0162	117.91	88.71	145.42	86.46	106.84	41.59	48.02	272.99	496.24	284.92	231.92	167.50

V3PR5 HYST - cy 3 - 2002 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.38	12.14	14.06	11.00	11.26	11.74	16.32	18.21	19.40	18.86	19.75	16.87
CRMS0276 - Just east of Wilkinson Canal	223.27	127.27	127.92	44.49	42.47	27.39	115.10	306.73	316.88	358.11	348.44	318.46
Barataria Waterway at Lafitte (USACE82875)	82.55	26.18	24.88	12.04	13.05	11.49	38.24	89.21	58.06	77.79	113.24	81.42
USGS2928590900040000 Barataria Waterway South of Lafitte	16.91	12.25	14.73	10.99	11.26	11.61	15.39	32.16	96.49	84.32	117.71	75.18
USGS7380251 Barataria Bay North of Grand Isle	17.01	15.51	14.24	11.37	11.51	11.19	11.16	16.07	23.72	29.61	48.13	35.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	77.23	36.14	27.48	13.26	12.82	12.17	38.86	160.26	143.84	156.34	219.09	155.44
USGS 07380335 - Little Lake Near Cutoff	168.01	69.55	54.61	18.63	15.76	13.64	86.44	294.09	228.60	267.15	326.10	252.26
USGS073802516 Barataria Pass at Grand Isle	127.40	79.59	54.85	28.29	27.32	23.98	100.69	282.49	193.24	218.58	248.20	219.49
HWQ14 - Lake Washington	33.76	31.36	19.96	18.45	19.93	14.50	17.73	62.50	65.13	67.16	90.60	76.00
HWQ16 - Bayou Grand Liard	443.80	254.28	266.88	128.06	112.78	109.79	377.95	566.13	487.28	521.04	526.60	481.01
CRMS 3985	17.63	16.80	13.76	11.99	11.79	11.00	10.31	12.05	17.30	21.48	27.85	25.13
CRMS 0258	62.63	64.23	38.54	23.15	15.57	12.80	18.12	88.85	245.15	268.48	311.06	259.18
CRMS 0224	82.40	60.75	38.21	19.59	14.74	12.62	33.92	159.94	222.35	236.97	293.15	237.54
CRMS 0163	55.59	15.36	18.64	12.08	11.99	12.04	51.09	84.64	65.20	64.63	46.68	41.44
CRMS 0162	123.20	98.93	153.71	89.71	112.07	44.64	39.51	253.31	470.81	277.66	238.63	156.73

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-93.33	-128.89	-87.17	-89.43	-65.02	-50.19	-44.89	-46.97	-94.69	-89.29	-120.40	-134.03
CRMS0276 - Just east of Wilkinson Canal	-75.07	-18.49	-21.20	-16.12	-15.86	-15.93	-50.14	-33.69	-29.42	-13.11	-11.29	-13.72
Barataria Waterway at Lafitte (USACE82875)	-12.26	-0.24	-0.72	-0.08	-0.25	0.00	-5.95	-12.19	-22.34	-5.47	-7.76	-6.74
USGS2928590900040000 Barataria Waterway South of Lafitte	-138.72	-178.38	-112.56	-88.38	-57.13	-44.95	-51.98	-55.32	-87.88	-93.88	-95.25	-142.03
USGS7380251 Barataria Bay North of Grand Isle	-42.43	-61.58	-47.58	-72.28	-67.62	-54.07	-40.92	-25.01	-19.14	-15.18	-26.91	-34.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	-164.23	-195.12	-118.38	-125.01	-105.99	-88.02	-76.87	-53.58	-50.64	-46.03	-60.46	-100.83
USGS 07380335 - Little Lake Near Cutoff	-166.34	-199.84	-130.15	-131.73	-118.11	-91.08	-80.64	-43.88	-48.13	-34.58	-40.99	-85.52
USGS073802516 Barataria Pass at Grand Isle	-157.71	-188.91	-121.24	-151.53	-141.42	-120.32	-88.00	-46.17	-44.15	-35.61	-46.51	-82.76
HWQ14 - Lake Washington	-77.85	-98.74	-69.50	-105.43	-107.58	-92.56	-68.58	-34.73	-27.23	-18.85	-31.39	-52.48
HWQ16 - Bayou Grand Liard	-86.92	-114.62	-83.38	-134.96	-109.61	-88.28	-50.83	-23.95	-25.63	-14.30	-22.00	-42.35
CRMS 3985	-12.47	-24.37	-25.07	-50.36	-57.41	-49.08	-35.26	-16.38	-9.33	-5.81	-8.39	-9.83
CRMS 0258	-164.86	-145.26	-79.98	-50.27	-32.88	-21.86	-47.59	-50.59	-40.12	-45.83	-28.59	-59.46
CRMS 0224	-180.31	-187.25	-120.35	-91.17	-71.50	-57.67	-70.47	-52.21	-54.96	-46.04	-42.61	-84.29
CRMS 0163	-4.34	0.53	-0.17	0.09	-0.02	0.10	-6.61	-6.57	-23.65	-3.19	-2.61	-2.56
CRMS 0162	5.29	10.22	8.29	3.25	5.23	3.05	-8.51	-19.68	-25.42	-7.26	6.71	-10.77

Figure WQ SO4 136 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	103.07	131.87	92.82	67.78	62.25	50.52	59.43	61.58	107.21	100.84	143.55	155.93
CRMS0276 - Just east of Wilkinson Canal	294.57	126.03	65.01	55.39	39.50	96.04	219.22	306.72	318.08	414.99	414.80	276.20
Barataria Waterway at Lafitte (USACE82875)	100.10	21.50	11.92	12.18	11.41	21.28	46.14	77.64	56.50	136.58	153.44	58.75
USGS2928590900040000 Barataria Waterway South of Lafitte	146.30	171.82	110.34	63.11	54.44	45.73	68.91	85.31	172.06	164.57	223.49	228.74
USGS7380251 Barataria Bay North of Grand Isle	60.19	75.78	60.16	64.78	66.04	55.03	47.74	37.40	39.35	42.50	76.17	72.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	231.12	213.18	124.22	103.96	100.48	89.37	133.72	198.25	179.78	198.62	298.13	263.06
USGS 07380335 - Little Lake Near Cutoff	320.45	246.78	143.25	117.29	112.34	104.97	199.99	303.36	255.93	305.75	397.29	333.93
USGS073802516 Barataria Pass at Grand Isle	276.76	252.05	149.60	142.71	143.97	147.93	223.39	303.83	220.37	254.84	312.23	301.71
HWQ14 - Lake Washington	110.04	126.39	88.25	96.93	110.30	91.91	89.03	95.20	86.46	82.63	125.38	135.24
HWQ16 - Bayou Grand Liard	529.76	346.48	254.48	238.59	188.43	268.99	469.36	540.21	488.38	561.79	586.24	484.51
CRMS 3985	33.39	41.85	39.30	53.25	58.31	51.04	39.98	25.47	24.71	26.39	35.98	38.53
CRMS 0258	200.86	177.05	85.20	50.87	37.27	35.36	81.47	138.11	258.65	298.26	383.39	292.15
CRMS 0224	244.37	218.63	121.64	79.20	69.32	66.00	126.53	199.77	254.12	271.94	365.04	327.69
CRMS 0163	60.51	13.41	11.13	11.56	11.18	31.77	50.36	72.74	61.04	134.71	62.95	27.31
CRMS 0162	119.84	78.84	58.76	86.51	65.72	81.79	23.16	188.76	430.82	513.37	305.69	99.87

V3PR5 HYST - cy 3 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.72	11.51	10.85	10.93	10.99	15.17	15.92	17.39	18.93	20.20	20.64	14.94
CRMS0276 - Just east of Wilkinson Canal	230.47	107.13	44.58	40.82	28.27	75.56	181.19	280.26	295.26	378.29	396.81	255.15
Barataria Waterway at Lafitte (USACE82875)	92.43	21.89	11.95	11.97	11.34	19.77	41.10	73.42	46.52	110.90	144.43	55.59
USGS2928590900040000 Barataria Waterway South of Lafitte	19.45	11.56	10.84	10.93	10.95	14.19	17.88	32.58	92.12	80.74	122.39	65.58
USGS7380251 Barataria Bay North of Grand Isle	17.33	12.18	10.68	10.73	10.91	11.50	12.83	18.80	23.41	28.85	48.87	29.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	54.69	20.77	11.43	11.60	11.69	24.79	72.06	161.04	137.44	154.27	233.41	117.15
USGS 07380335 - Little Lake Near Cutoff	137.74	42.65	14.19	14.25	13.45	37.62	139.80	274.02	218.10	268.83	348.35	197.83
USGS073802516 Barataria Pass at Grand Isle	104.32	48.08	16.98	18.66	21.17	67.18	161.20	276.56	184.39	215.26	263.50	179.44
HWQ14 - Lake Washington	27.60	16.65	10.79	12.53	15.98	20.31	35.65	76.53	63.97	63.90	94.47	68.49
HWQ16 - Bayou Grand Liard	442.00	211.57	114.76	107.93	90.34	218.93	438.17	526.84	468.47	533.96	561.99	417.17
CRMS 3985	15.93	11.60	10.17	10.23	10.72	10.62	10.47	12.59	17.32	21.36	26.60	23.17
CRMS 0258	63.01	44.36	14.06	16.56	13.10	17.64	36.76	93.53	229.56	252.96	343.48	196.71
CRMS 0224	68.25	38.22	13.01	14.60	12.55	22.03	67.63	158.58	210.51	229.60	313.27	190.52
CRMS 0163	57.65	13.74	11.14	11.51	11.17	28.87	45.94	72.80	50.49	106.51	61.44	27.42
CRMS 0162	124.78	86.15	58.36	90.26	69.14	81.35	22.13	159.94	411.13	486.27	313.78	99.54

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-88.35	-120.36	-81.97	-56.85	-51.26	-35.34	-43.51	-44.19	-88.28	-80.63	-122.92	-140.99
CRMS0276 - Just east of Wilkinson Canal	-64.10	-18.90	-20.43	-14.57	-11.23	-20.47	-38.03	-26.46	-22.82	-36.70	-17.99	-21.05
Barataria Waterway at Lafitte (USACE82875)	-7.67	0.39	0.02	-0.20	-0.08	-1.51	-5.03	-4.22	-9.97	-25.68	-9.02	-3.16
USGS2928590900040000 Barataria Waterway South of Lafitte	-126.85	-160.25	-99.49	-52.18	-43.49	-31.54	-51.03	-52.73	-79.94	-83.82	-101.10	-163.17
USGS7380251 Barataria Bay North of Grand Isle	-42.87	-63.60	-49.48	-54.05	-55.13	-43.53	-34.91	-18.60	-15.94	-13.64	-27.30	-42.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	-176.42	-192.41	-112.79	-92.36	-88.78	-64.57	-61.67	-37.21	-42.34	-44.36	-64.72	-145.91
USGS 07380335 - Little Lake Near Cutoff	-182.71	-204.13	-129.06	-103.04	-98.88	-67.35	-60.19	-29.33	-37.83	-36.93	-48.94	-136.10
USGS073802516 Barataria Pass at Grand Isle	-172.44	-203.97	-132.62	-124.05	-122.80	-80.75	-62.19	-27.27	-35.99	-39.58	-48.73	-122.27
HWQ14 - Lake Washington	-82.43	-109.75	-77.47	-84.40	-94.32	-71.61	-53.38	-18.67	-22.49	-18.73	-30.91	-66.75
HWQ16 - Bayou Grand Liard	-87.75	-134.91	-139.72	-130.66	-98.10	-50.06	-31.19	-13.37	-19.91	-27.83	-24.26	-67.34
CRMS 3985	-17.46	-30.26	-29.13	-43.02	-47.60	-40.42	-29.51	-12.87	-7.38	-5.03	-9.38	-15.37
CRMS 0258	-137.85	-132.69	-71.14	-34.30	-24.17	-17.72	-44.71	-44.57	-29.09	-45.30	-39.92	-95.45
CRMS 0224	-176.13	-180.41	-108.63	-64.61	-56.77	-43.97	-58.91	-41.18	-43.60	-42.35	-51.77	-137.16
CRMS 0163	-2.86	0.33	0.01	-0.05	-0.01	-2.90	-4.43	0.05	-10.55	-28.20	-1.51	0.11
CRMS 0162	4.94	7.31	-0.40	3.75	3.42	-0.43	-1.04	-28.82	-19.69	-27.11	8.09	-0.34

Figure WQ SO4 137 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	105.34	155.15	109.77	124.49	130.63	101.93	66.36	58.36	119.43	121.49	139.03	136.97
CRMS0276 - Just east of Wilkinson Canal	387.72	213.94	234.50	164.02	146.88	211.07	298.93	396.72	406.47	392.86	345.93	279.28
Barataria Waterway at Lafitte (USACE82875)	172.24	46.08	43.45	32.73	34.44	40.44	98.26	139.30	237.51	96.58	111.60	68.45
USGS2928590900040000 Barataria Waterway South of Lafitte	150.03	211.19	155.60	137.75	140.84	110.93	85.36	84.30	201.75	203.93	211.91	194.93
USGS7380251 Barataria Bay North of Grand Isle	57.94	83.48	54.27	79.43	93.13	78.03	41.17	33.17	41.10	48.03	75.94	65.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	251.46	258.20	155.54	162.75	168.11	147.20	133.50	230.69	216.34	228.09	281.66	234.13
USGS 07380335 - Little Lake Near Cutoff	365.28	307.69	215.53	199.81	201.46	178.27	228.69	373.76	316.42	333.80	368.23	306.30
USGS073802516 Barataria Pass at Grand Isle	302.00	302.20	188.11	215.01	237.37	230.80	238.85	355.82	262.10	278.80	299.18	278.85
HWQ14 - Lake Washington	108.94	142.91	77.82	118.65	151.47	133.45	75.72	89.79	94.28	94.87	125.80	120.86
HWQ16 - Bayou Grand Liard	601.81	441.20	421.74	365.66	341.99	380.38	556.79	634.66	555.43	555.11	542.57	479.85
CRMS 3985	31.81	43.66	31.38	48.07	66.29	64.77	30.79	22.71	24.74	27.67	37.26	36.43
CRMS 0258	236.26	245.67	207.48	127.45	122.84	119.66	127.59	154.28	340.12	353.22	320.35	258.32
CRMS 0224	267.00	283.87	209.20	164.44	166.04	142.59	150.15	233.14	315.81	320.39	337.08	290.47
CRMS 0163	112.89	32.42	27.52	36.81	26.11	59.87	110.30	135.79	252.60	78.88	44.18	41.56
CRMS 0162	236.98	121.18	199.17	234.63	227.20	216.63	218.47	432.57	626.60	358.39	194.39	104.93

V3PR5 HYST - cy 3 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	18.49	14.44	15.92	16.31	14.58	17.41	18.85	19.15	20.11	19.48	18.61	17.18
CRMS0276 - Just east of Wilkinson Canal	352.96	189.80	213.83	144.38	130.55	183.74	278.65	382.66	376.57	371.89	326.73	261.05
Barataria Waterway at Lafitte (USACE82875)	157.91	43.50	40.64	30.69	32.54	37.68	90.08	127.23	152.59	86.89	104.24	63.16
USGS2928590900040000 Barataria Waterway South of Lafitte	54.00	16.66	28.65	30.24	16.52	27.89	24.22	35.40	109.38	94.42	115.13	82.18
USGS7380251 Barataria Bay North of Grand Isle	30.53	20.72	21.54	23.72	23.43	27.52	26.31	22.77	27.05	32.07	46.78	35.42
USGS73802515 Hackberry Bay Northwest of Grand Isle	163.42	66.60	69.93	68.17	44.19	75.34	116.36	174.49	161.13	169.10	216.31	155.16
USGS 07380335 - Little Lake Near Cutoff	295.77	130.36	128.44	107.01	72.77	106.52	218.72	335.98	260.77	285.56	319.27	243.40
USGS073802516 Barataria Pass at Grand Isle	227.82	134.22	116.57	121.60	113.64	159.35	232.16	311.25	213.09	231.75	246.19	211.64
HWQ14 - Lake Washington	64.31	45.60	40.66	53.51	67.27	70.06	66.77	66.56	69.06	71.31	89.96	74.14
HWQ16 - Bayou Grand Liard	567.36	363.09	372.20	306.70	263.49	340.68	552.68	624.68	526.28	533.93	514.50	444.61
CRMS 3985	21.67	20.67	18.36	19.97	25.00	24.63	22.29	18.78	20.38	23.26	27.72	24.56
CRMS 0258	170.00	119.65	115.73	86.65	71.10	78.45	75.61	118.42	294.09	296.84	284.72	213.98
CRMS 0224	193.09	109.64	105.88	87.76	68.28	80.73	116.97	189.63	256.12	260.77	286.45	226.21
CRMS 0163	105.64	30.58	27.65	35.02	25.68	55.88	104.85	119.77	164.71	74.82	41.07	40.52
CRMS 0162	231.04	126.88	203.55	244.68	219.79	203.73	217.64	409.71	600.15	328.05	199.76	102.66

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-86.85	-140.71	-93.85	-108.18	-116.05	-84.52	-47.51	-39.21	-99.32	-102.01	-120.42	-119.79
CRMS0276 - Just east of Wilkinson Canal	-34.76	-24.14	-20.68	-19.63	-16.33	-27.33	-20.28	-14.05	-29.90	-20.97	-19.20	-18.23
Barataria Waterway at Lafitte (USACE82875)	-14.33	-2.57	-2.81	-2.04	-1.90	-2.76	-8.18	-12.08	-84.93	-9.70	-7.36	-5.29
USGS2928590900040000 Barataria Waterway South of Lafitte	-96.03	-194.54	-126.95	-107.51	-124.32	-83.04	-61.14	-48.91	-92.37	-109.51	-96.78	-112.75
USGS7380251 Barataria Bay North of Grand Isle	-27.42	-62.76	-32.73	-55.71	-69.70	-50.51	-14.86	-10.41	-14.05	-15.96	-29.16	-30.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	-88.03	-191.60	-85.61	-94.58	-123.91	-71.86	-17.14	-56.21	-55.22	-58.98	-65.35	-78.98
USGS 07380335 - Little Lake Near Cutoff	-69.51	-177.33	-87.09	-92.80	-128.69	-71.75	-9.97	-37.78	-55.65	-48.24	-48.96	-62.90
USGS073802516 Barataria Pass at Grand Isle	-74.18	-167.98	-71.54	-93.41	-123.74	-71.45	-6.69	-44.58	-49.01	-47.04	-52.99	-67.21
HWQ14 - Lake Washington	-44.63	-97.31	-37.16	-65.14	-84.21	-63.39	-8.96	-23.23	-25.22	-23.56	-35.84	-46.72
HWQ16 - Bayou Grand Liard	-34.45	-78.11	-49.54	-58.96	-78.50	-39.71	-4.11	-9.98	-29.15	-21.19	-28.08	-35.24
CRMS 3985	-10.14	-22.98	-13.02	-28.09	-41.29	-40.14	-8.50	-3.93	-4.36	-4.41	-9.53	-11.88
CRMS 0258	-66.26	-126.02	-91.75	-40.80	-51.73	-41.20	-51.99	-35.86	-46.03	-56.38	-35.64	-44.34
CRMS 0224	-73.91	-174.23	-103.32	-76.68	-97.76	-61.87	-33.19	-43.51	-59.69	-59.62	-50.64	-64.26
CRMS 0163	-7.26	-1.84	0.14	-1.79	-0.42	-3.99	-5.45	-16.01	-87.89	-4.06	-3.11	-1.04
CRMS 0162	-5.95	5.70	4.38	10.05	-7.41	-12.90	-0.83	-22.86	-26.45	-30.34	5.38	-2.27

Figure WQ SO4 138 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	111.26	139.84	98.71	88.71	88.44	71.75	64.97	52.30	72.37	75.72	121.12	147.88
CRMS0276 - Just east of Wilkinson Canal	332.40	93.39	91.83	75.66	80.68	61.60	117.90	183.65	213.49	320.13	399.88	361.62
Barataria Waterway at Lafitte (USACE82875)	92.14	16.57	15.66	14.06	19.86	12.78	18.42	30.83	31.76	80.85	158.86	93.15
USGS2928590900040000 Barataria Waterway South of Lafitte	163.77	173.93	109.71	87.36	86.91	65.91	73.79	68.91	108.92	120.28	188.19	221.54
USGS7380251 Barataria Bay North of Grand Isle	63.19	86.20	72.08	80.18	83.11	71.66	56.14	38.21	32.44	34.65	63.13	65.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	252.47	213.88	136.35	130.95	132.37	114.26	116.55	138.11	122.44	151.92	266.13	265.29
USGS 07380335 - Little Lake Near Cutoff	347.73	233.22	159.06	147.35	152.89	122.50	145.90	199.93	177.28	242.02	362.93	354.19
USGS073802516 Barataria Pass at Grand Isle	299.67	246.33	165.71	174.58	189.85	167.32	174.55	214.66	155.58	201.04	282.00	312.44
HWQ14 - Lake Washington	117.31	138.49	102.35	118.42	136.56	119.38	95.83	81.93	65.04	63.43	106.44	124.10
HWQ16 - Bayou Grand Liard	537.10	313.90	296.69	276.12	263.86	233.46	337.12	401.98	398.23	495.96	570.09	537.07
CRMS 3985	33.20	49.18	52.05	64.87	71.09	64.85	49.10	28.42	22.90	23.06	27.49	33.00
CRMS 0258	246.85	159.99	82.58	72.68	69.80	40.14	64.88	87.13	150.58	215.34	331.00	344.96
CRMS 0224	278.48	202.70	125.27	107.19	109.26	82.02	104.99	136.75	164.23	205.40	320.15	344.82
CRMS 0163	41.14	11.68	13.35	18.04	15.50	13.32	19.68	28.36	30.89	72.94	78.26	54.89
CRMS 0162	90.26	57.34	108.49	123.72	139.75	52.84	15.27	46.82	212.87	291.83	346.94	205.70

V3PR5 HYST - cy 3 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.38	11.77	12.05	12.45	13.17	14.79	17.07	18.42	20.84	18.64
CRMS0276 - Just east of Wilkinson Canal	227.18	78.20	63.81	53.97	62.00	39.39	52.25	112.54	194.95	312.38	390.80	343.93
Barataria Waterway at Lafitte (USACE82875)	85.31	16.67	15.49	13.67	19.07	12.65	17.78	28.70	26.33	72.76	151.00	85.39
USGS2928590900040000 Barataria Waterway South of Lafitte	13.79	10.96	12.35	11.69	12.09	12.33	12.99	16.00	54.17	64.83	108.77	96.21
USGS7380251 Barataria Bay North of Grand Isle	17.94	12.11	12.28	11.58	12.27	12.03	12.02	13.48	18.79	25.78	45.85	39.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	44.65	17.41	14.04	13.81	15.53	13.82	13.17	39.45	91.83	132.36	216.13	184.25
USGS 07380335 - Little Lake Near Cutoff	115.62	34.03	20.01	19.29	22.11	16.56	18.49	77.79	148.47	228.80	328.86	290.58
USGS073802516 Barataria Pass at Grand Isle	95.59	41.52	23.69	28.48	40.17	31.61	28.16	90.88	131.32	192.16	247.75	247.68
HWQ14 - Lake Washington	33.43	17.51	13.10	16.32	24.78	17.31	11.89	20.69	50.12	59.30	87.18	83.35
HWQ16 - Bayou Grand Liard	414.19	178.37	166.54	144.96	147.81	137.65	231.35	337.68	379.96	489.31	554.74	507.12
CRMS 3985	19.61	13.83	12.17	11.52	12.40	11.77	11.35	11.77	14.02	18.74	26.79	25.55
CRMS 0258	69.70	32.73	17.23	23.46	24.07	14.46	12.49	25.39	120.54	196.22	308.27	301.58
CRMS 0224	61.48	28.48	16.29	19.72	21.96	14.45	13.05	36.32	125.09	184.47	287.21	279.00
CRMS 0163	41.04	11.84	13.33	17.90	15.57	13.21	18.96	27.90	27.92	66.34	76.77	51.92
CRMS 0162	96.99	62.13	119.57	131.46	140.58	50.26	15.55	43.84	193.51	255.60	348.51	192.23

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-98.62	-128.87	-86.33	-76.95	-76.40	-59.29	-51.80	-37.52	-55.30	-57.29	-100.28	-129.24
CRMS0276 - Just east of Wilkinson Canal	-105.23	-15.19	-28.02	-21.69	-18.68	-22.21	-65.64	-71.12	-18.54	-7.75	-9.08	-17.68
Barataria Waterway at Lafitte (USACE82875)	-6.84	0.11	-0.16	-0.39	-0.79	-0.13	-0.64	-2.12	-5.44	-8.09	-7.86	-7.76
USGS2928590900040000 Barataria Waterway South of Lafitte	-149.98	-162.97	-97.36	-75.67	-74.82	-53.58	-60.80	-52.91	-54.75	-55.45	-79.42	-125.34
USGS7380251 Barataria Bay North of Grand Isle	-45.25	-74.09	-59.79	-68.59	-70.85	-59.63	-44.12	-24.74	-13.65	-8.87	-17.28	-26.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-207.82	-196.47	-122.32	-117.14	-116.83	-100.43	-103.38	-98.66	-30.61	-19.56	-50.00	-81.05
USGS 07380335 - Little Lake Near Cutoff	-232.11	-199.19	-139.06	-128.06	-130.79	-105.94	-127.41	-122.14	-28.81	-13.22	-34.08	-63.60
USGS073802516 Barataria Pass at Grand Isle	-204.07	-204.82	-142.02	-146.10	-149.68	-135.72	-146.39	-123.78	-24.26	-8.87	-34.25	-64.76
HWQ14 - Lake Washington	-83.87	-120.99	-89.25	-102.10	-111.78	-102.07	-83.94	-61.24	-14.92	-4.13	-19.26	-40.75
HWQ16 - Bayou Grand Liard	-122.91	-135.53	-130.15	-131.16	-116.05	-95.81	-105.78	-64.30	-18.27	-6.65	-15.34	-29.94
CRMS 3985	-13.59	-35.35	-39.88	-53.35	-58.69	-53.08	-37.74	-16.65	-8.88	-4.32	-0.69	-7.45
CRMS 0258	-177.16	-127.26	-65.36	-49.22	-45.74	-25.67	-52.39	-61.75	-30.05	-19.12	-22.74	-43.38
CRMS 0224	-217.00	-174.22	-108.98	-87.48	-87.29	-67.57	-91.94	-100.44	-39.15	-20.92	-32.95	-65.83
CRMS 0163	-0.10	0.16	-0.02	-0.14	0.07	-0.11	-0.72	-0.47	-2.97	-6.60	-1.49	-2.97
CRMS 0162	6.73	4.78	11.08	7.73	0.83	-2.57	0.28	-2.98	-19.36	-36.24	1.56	-13.47

Figure WQ SO4 139 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	97.22	147.52	116.90	93.97	74.53	54.32	53.43	54.95	83.96	84.61	135.15	148.45
CRMS0276 - Just east of Wilkinson Canal	260.75	335.23	177.46	67.30	41.95	31.01	95.93	200.34	238.11	341.73	409.25	187.49
Barataria Waterway at Lafitte (USACE82875)	99.53	89.77	26.16	13.03	13.04	11.58	16.83	38.21	34.56	95.56	158.91	34.86
USGS2928590900040000 Barataria Waterway South of Lafitte	130.75	207.56	176.48	88.62	66.00	45.75	58.92	70.81	126.70	132.65	206.14	214.21
USGS7380251 Barataria Bay North of Grand Isle	55.42	73.93	55.27	77.72	75.33	61.58	48.37	41.97	36.65	38.73	73.45	71.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	207.28	253.63	164.32	128.61	115.65	89.76	95.85	154.54	138.09	165.75	286.22	250.72
USGS 07380335 - Little Lake Near Cutoff	291.51	326.79	217.42	142.23	126.99	91.93	121.32	220.94	196.62	257.49	381.77	306.64
USGS073802516 Barataria Pass at Grand Isle	249.80	304.36	189.11	169.27	161.93	129.06	148.67	236.46	173.17	214.87	300.66	283.21
HWQ14 - Lake Washington	100.30	127.12	80.09	113.45	125.46	99.13	79.94	92.40	73.18	70.64	121.52	133.09
HWQ16 - Bayou Grand Liard	507.00	509.27	364.23	262.60	195.69	177.00	311.85	434.15	417.33	512.71	577.95	419.47
CRMS 3985	30.83	36.12	30.30	55.42	64.33	57.28	43.82	32.56	25.15	24.98	35.33	37.42
CRMS 0258	170.49	300.54	215.88	64.24	44.77	26.12	48.66	87.92	178.03	229.56	352.32	267.82
CRMS 0224	211.29	305.37	229.52	100.05	80.11	57.43	82.63	144.82	185.61	220.03	342.26	304.70
CRMS 0163	74.67	64.76	15.56	12.67	12.53	11.67	18.32	36.16	36.58	93.54	71.74	15.63
CRMS 0162	190.03	278.79	92.15	102.85	55.82	26.94	14.67	62.57	269.30	411.14	326.04	60.14

V3PR5 HYST - cy 3 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.34	19.40	11.87	11.35	12.45	11.60	13.05	15.76	17.55	19.45	20.71	11.91
CRMS0276 - Just east of Wilkinson Canal	198.12	315.93	164.76	49.29	28.86	20.41	39.21	141.47	220.85	331.41	403.32	178.68
Barataria Waterway at Lafitte (USACE82875)	85.47	83.00	25.76	12.78	13.07	11.65	15.77	31.89	30.20	86.56	155.06	35.43
USGS2928590900040000 Barataria Waterway South of Lafitte	21.57	70.15	15.06	11.34	12.42	11.53	12.85	20.31	64.04	67.86	110.10	12.30
USGS7380251 Barataria Bay North of Grand Isle	16.49	38.44	16.27	11.67	12.46	11.50	11.62	14.71	20.51	26.54	48.43	17.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.87	165.77	29.80	13.36	13.43	12.10	12.56	74.31	105.04	139.75	226.32	32.39
USGS 07380335 - Little Lake Near Cutoff	169.83	250.83	54.80	18.38	15.71	13.11	16.90	135.08	167.01	241.59	344.16	74.49
USGS073802516 Barataria Pass at Grand Isle	129.06	227.03	57.63	26.77	24.67	21.00	23.32	147.72	145.53	201.33	261.67	78.02
HWQ14 - Lake Washington	30.65	72.76	26.32	17.32	19.40	14.33	10.79	34.90	53.80	62.11	94.50	39.98
HWQ16 - Bayou Grand Liard	435.39	469.33	244.22	134.09	92.16	93.37	207.31	374.98	398.16	506.48	564.15	297.67
CRMS 3985	15.69	23.37	16.72	12.23	12.38	11.69	10.86	11.43	14.88	19.40	28.44	21.92
CRMS 0258	51.21	223.42	73.21	20.77	15.56	11.90	12.06	36.76	149.19	205.76	327.82	101.55
CRMS 0224	82.75	216.15	61.06	17.94	14.79	11.91	12.41	65.30	147.02	194.45	304.68	86.60
CRMS 0163	68.01	61.69	15.48	12.41	12.67	11.74	17.08	31.68	32.99	81.11	69.35	16.01
CRMS 0162	188.19	254.84	105.38	113.13	54.09	30.38	14.74	56.37	241.14	353.18	327.21	63.47

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-80.88	-128.12	-105.03	-82.61	-62.08	-42.72	-40.38	-39.20	-66.41	-65.16	-114.44	-136.54
CRMS0276 - Just east of Wilkinson Canal	-62.63	-19.30	-12.70	-18.01	-13.09	-10.61	-56.72	-58.87	-17.26	-10.33	-5.93	-8.81
Barataria Waterway at Lafitte (USACE82875)	-14.06	-6.77	-0.40	-0.26	0.02	0.08	-1.06	-6.32	-4.36	-9.00	-3.85	0.57
USGS2928590900040000 Barataria Waterway South of Lafitte	-109.18	-137.42	-161.42	-77.28	-53.58	-34.22	-46.07	-50.51	-62.66	-64.78	-96.04	-201.91
USGS7380251 Barataria Bay North of Grand Isle	-38.93	-35.49	-39.01	-66.05	-62.87	-50.08	-36.75	-27.27	-16.13	-12.18	-25.02	-53.16
USGS73802515 Hackberry Bay Northwest of Grand Isle	-121.41	-87.86	-134.52	-115.26	-102.22	-77.66	-83.29	-80.24	-33.05	-26.00	-59.90	-218.33
USGS 07380335 - Little Lake Near Cutoff	-121.68	-75.96	-162.61	-123.84	-111.28	-78.82	-104.42	-85.86	-29.61	-15.89	-37.60	-232.15
USGS073802516 Barataria Pass at Grand Isle	-120.74	-77.34	-131.47	-142.50	-137.25	-108.06	-125.35	-88.74	-27.64	-13.54	-38.99	-205.19
HWQ14 - Lake Washington	-69.65	-54.35	-53.77	-96.13	-106.06	-84.80	-69.15	-57.50	-19.38	-8.53	-27.02	-93.11
HWQ16 - Bayou Grand Liard	-71.60	-39.94	-120.01	-128.51	-103.54	-83.63	-104.55	-59.16	-19.17	-6.23	-13.80	-121.80
CRMS 3985	-15.14	-12.75	-13.58	-43.19	-51.95	-45.59	-32.96	-21.14	-10.27	-5.58	-6.89	-15.51
CRMS 0258	-119.28	-77.13	-142.67	-43.47	-29.20	-14.22	-36.60	-51.15	-28.84	-23.81	-24.50	-166.27
CRMS 0224	-128.54	-89.22	-168.46	-82.11	-65.32	-45.53	-70.22	-79.51	-38.59	-25.58	-37.59	-218.09
CRMS 0163	-6.66	-3.07	-0.09	-0.26	0.15	0.08	-1.24	-4.48	-3.59	-12.43	-2.39	0.39
CRMS 0162	-1.84	-23.94	13.23	10.28	-1.73	3.44	0.08	-6.20	-28.16	-57.97	1.17	3.33

Figure WQ SO4 140 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	107.71	141.04	101.23	100.43	76.28	61.93	61.22	65.18	114.09	108.15	140.15	150.90
CRMS0276 - Just east of Wilkinson Canal	298.33	145.77	149.12	60.61	58.32	43.32	165.23	340.42	346.30	371.22	359.72	332.18
Barataria Waterway at Lafitte (USACE82875)	94.81	26.42	25.61	12.12	13.30	11.48	44.18	101.40	80.40	83.26	121.01	88.15
USGS2928590900040000 Barataria Waterway South of Lafitte	155.63	190.62	127.29	99.37	68.40	56.56	67.37	87.48	184.38	178.20	212.96	217.21
USGS7380251 Barataria Bay North of Grand Isle	59.44	77.09	61.82	83.65	79.12	65.26	52.09	41.08	42.85	44.79	75.04	69.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	241.45	231.26	145.86	138.27	118.80	100.19	115.73	213.83	194.48	202.37	279.54	256.27
USGS 07380335 - Little Lake Near Cutoff	334.34	269.39	184.76	150.37	133.86	104.73	167.08	337.97	276.72	301.73	367.09	337.78
USGS073802516 Barataria Pass at Grand Isle	285.10	268.50	176.09	179.82	168.75	144.30	188.69	328.65	237.40	254.19	294.71	302.25
HWQ14 - Lake Washington	111.61	130.10	89.46	123.87	127.51	107.06	86.31	97.23	92.35	86.01	121.99	128.47
HWQ16 - Bayou Grand Liard	530.72	368.90	350.25	263.01	222.39	198.07	428.78	590.08	512.91	535.34	548.60	523.37
CRMS 3985	30.10	41.17	38.83	62.35	69.20	60.08	45.56	28.42	26.62	27.29	36.25	34.96
CRMS 0258	227.49	209.49	118.52	73.41	48.45	34.67	65.71	139.45	285.27	314.30	339.65	318.64
CRMS 0224	262.70	248.00	158.56	110.75	86.24	70.29	104.39	212.15	277.31	283.01	335.76	321.83
CRMS 0163	59.94	14.84	18.81	11.98	12.01	11.95	57.70	91.22	88.85	67.82	49.30	44.00
CRMS 0162	117.91	88.71	145.42	86.46	106.84	41.59	48.02	272.99	496.24	284.92	231.92	167.50

V3PR6 HYST - cy 3 - 2002 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.45	12.15	14.06	11.00	11.27	11.75	16.35	18.49	19.12	18.32	18.52	16.50
CRMS0276 - Just east of Wilkinson Canal	202.70	105.46	115.16	34.26	28.38	19.80	110.65	307.45	313.20	346.12	341.61	315.03
Barataria Waterway at Lafitte (USACE82875)	81.76	28.84	25.51	12.25	13.43	11.55	38.05	89.51	56.25	75.23	106.91	82.21
USGS2928590900040000 Barataria Waterway South of Lafitte	15.87	12.12	13.78	10.99	11.26	11.64	14.83	31.72	85.33	78.60	112.95	74.29
USGS7380251 Barataria Bay North of Grand Isle	15.18	13.00	13.24	10.99	11.28	11.31	10.76	18.95	24.58	28.45	43.93	30.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	61.59	17.26	19.10	11.06	11.33	11.44	32.13	166.86	148.52	144.90	208.98	132.51
USGS 07380335 - Little Lake Near Cutoff	129.72	37.04	33.79	11.51	11.54	11.36	75.76	291.77	234.22	254.16	308.32	227.92
USGS073802516 Barataria Pass at Grand Isle	104.70	45.41	34.09	13.03	12.78	11.78	94.54	309.70	202.54	213.48	245.46	203.04
HWQ14 - Lake Washington	29.39	23.05	14.85	11.82	12.08	10.45	14.79	85.38	72.04	64.08	86.24	70.24
HWQ16 - Bayou Grand Liard	389.46	177.07	224.08	55.81	62.62	73.42	369.68	567.58	484.86	513.40	522.17	469.20
CRMS 3985	16.19	14.51	12.79	11.12	11.23	10.73	10.06	11.81	18.14	21.59	25.11	23.87
CRMS 0258	37.90	31.95	23.23	12.36	12.00	11.34	17.98	93.42	238.63	262.31	304.35	243.29
CRMS 0224	65.73	31.63	24.02	11.74	11.71	11.41	32.14	166.28	220.69	227.37	290.94	220.32
CRMS 0163	54.85	17.08	19.31	12.35	12.10	12.41	49.38	83.59	64.96	62.25	46.91	43.11
CRMS 0162	123.78	100.57	163.26	97.23	113.95	45.77	44.97	260.74	478.84	268.04	242.27	160.37

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-93.26	-128.88	-87.18	-89.43	-65.02	-50.18	-44.87	-46.69	-94.97	-89.83	-121.63	-134.40
CRMS0276 - Just east of Wilkinson Canal	-95.63	-40.31	-33.96	-26.35	-29.94	-23.52	-54.58	-32.97	-33.10	-25.10	-18.11	-17.15
Barataria Waterway at Lafitte (USACE82875)	-13.05	2.42	-0.10	0.13	0.13	0.06	-6.13	-11.89	-24.15	-8.03	-14.10	-5.94
USGS2928590900040000 Barataria Waterway South of Lafitte	-139.76	-178.51	-113.51	-88.38	-57.13	-44.92	-52.53	-55.76	-99.04	-99.61	-100.01	-142.92
USGS7380251 Barataria Bay North of Grand Isle	-44.26	-64.10	-48.58	-72.66	-67.85	-53.95	-41.33	-22.13	-18.27	-16.34	-31.11	-38.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	-179.87	-214.00	-126.77	-127.22	-107.47	-88.76	-83.61	-46.98	-45.96	-57.47	-70.56	-123.76
USGS 07380335 - Little Lake Near Cutoff	-204.63	-232.35	-150.97	-138.86	-122.33	-93.36	-91.32	-46.20	-42.51	-47.57	-58.76	-109.86
USGS073802516 Barataria Pass at Grand Isle	-180.41	-223.09	-142.00	-166.79	-155.96	-132.52	-94.15	-18.95	-34.86	-40.71	-49.25	-99.21
HWQ14 - Lake Washington	-82.22	-107.05	-74.60	-112.06	-115.43	-96.62	-71.53	-11.86	-20.32	-21.93	-35.74	-58.24
HWQ16 - Bayou Grand Liard	-141.26	-191.83	-126.17	-207.20	-159.76	-124.65	-59.10	-22.49	-28.05	-21.94	-26.43	-54.16
CRMS 3985	-13.91	-26.65	-26.04	-51.23	-57.97	-49.34	-35.50	-16.61	-8.48	-5.70	-11.13	-11.08
CRMS 0258	-189.59	-177.53	-95.29	-61.05	-36.45	-23.33	-47.73	-46.03	-46.63	-51.99	-35.30	-75.35
CRMS 0224	-196.97	-216.37	-134.53	-99.01	-74.53	-58.88	-72.25	-45.87	-56.62	-55.64	-44.82	-101.51
CRMS 0163	-5.08	2.25	0.50	0.37	0.08	0.46	-8.32	-7.63	-23.89	-5.57	-2.38	-0.89
CRMS 0162	5.87	11.86	17.84	10.77	7.11	4.18	-3.05	-12.25	-17.40	-16.89	10.35	-7.14

Figure WQ SO4 141 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	103.07	131.87	92.82	67.78	62.25	50.52	59.43	61.58	107.21	100.84	143.55	155.93
CRMS0276 - Just east of Wilkinson Canal	294.57	126.03	65.01	55.39	39.50	96.04	219.22	306.72	318.08	414.99	414.80	276.20
Barataria Waterway at Lafitte (USACE82875)	100.10	21.50	11.92	12.18	11.41	21.28	46.14	77.64	56.50	136.58	153.44	58.75
USGS2928590900040000 Barataria Waterway South of Lafitte	146.30	171.82	110.34	63.11	54.44	45.73	68.91	85.31	172.06	164.57	223.49	228.74
USGS7380251 Barataria Bay North of Grand Isle	60.19	75.78	60.16	64.78	66.04	55.03	47.74	37.40	39.35	42.50	76.17	72.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	231.12	213.18	124.22	103.96	100.48	89.37	133.72	198.25	179.78	198.62	298.13	263.06
USGS 07380335 - Little Lake Near Cutoff	320.45	246.78	143.25	117.29	112.34	104.97	199.99	303.36	255.93	305.75	397.29	333.93
USGS073802516 Barataria Pass at Grand Isle	276.76	252.05	149.60	142.71	143.97	147.93	223.39	303.83	220.37	254.84	312.23	301.71
HWQ14 - Lake Washington	110.04	126.39	88.25	96.93	110.30	91.91	89.03	95.20	86.46	82.63	125.38	135.24
HWQ16 - Bayou Grand Liard	529.76	346.48	254.48	238.59	188.43	268.99	469.36	540.21	488.38	561.79	586.24	484.51
CRMS 3985	33.39	41.85	39.30	53.25	58.31	51.04	39.98	25.47	24.71	26.39	35.98	38.53
CRMS 0258	200.86	177.05	85.20	50.87	37.27	35.36	81.47	138.11	258.65	298.26	383.39	292.15
CRMS 0224	244.37	218.63	121.64	79.20	69.32	66.00	126.53	199.77	254.12	271.94	365.04	327.69
CRMS 0163	60.51	13.41	11.13	11.56	11.18	31.77	50.36	72.74	61.04	134.71	62.95	27.31
CRMS 0162	119.84	78.84	58.76	86.51	65.72	81.79	23.16	188.76	430.82	513.37	305.69	99.87

V3PR6 HYST - cy 3 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.60	11.51	10.85	10.94	10.99	15.17	15.90	17.55	18.63	20.02	19.49	14.98
CRMS0276 - Just east of Wilkinson Canal	206.55	87.81	28.15	30.91	19.43	68.70	176.63	281.83	288.51	381.49	396.86	249.69
Barataria Waterway at Lafitte (USACE82875)	94.20	24.67	12.32	12.15	11.50	19.40	43.17	72.66	44.65	111.30	139.17	57.55
USGS2928590900040000 Barataria Waterway South of Lafitte	16.47	11.52	10.85	10.93	10.96	13.76	16.36	30.78	81.27	77.84	122.20	71.79
USGS7380251 Barataria Bay North of Grand Isle	14.60	11.58	10.82	10.88	10.94	10.81	11.19	21.16	24.44	31.00	50.32	27.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	32.12	12.14	10.86	10.94	10.96	19.64	61.00	164.99	139.78	156.76	232.56	95.92
USGS 07380335 - Little Lake Near Cutoff	74.57	18.07	11.16	11.15	11.00	30.94	127.38	274.08	219.47	270.32	342.48	163.52
USGS073802516 Barataria Pass at Grand Isle	65.62	18.76	11.09	11.26	11.45	51.97	156.67	297.35	191.81	232.14	271.63	151.30
HWQ14 - Lake Washington	19.53	11.98	10.30	10.48	10.93	13.38	31.37	95.16	70.23	73.75	98.97	62.26
HWQ16 - Bayou Grand Liard	398.13	128.05	54.34	51.28	47.75	204.06	435.49	531.71	463.15	542.26	563.10	392.25
CRMS 3985	12.93	11.28	10.64	10.62	10.81	10.13	9.55	12.46	18.43	23.29	28.93	21.17
CRMS 0258	43.21	19.56	11.04	11.54	11.15	14.84	35.98	98.05	220.64	255.48	346.94	174.51
CRMS 0224	42.21	16.87	10.95	11.23	11.03	17.83	64.22	163.08	206.21	230.06	324.60	167.91
CRMS 0163	59.09	14.90	11.22	11.70	11.21	28.65	47.09	69.77	48.50	107.68	62.48	29.31
CRMS 0162	127.21	89.69	68.74	96.39	69.15	80.26	21.49	178.68	416.39	481.06	312.59	94.19

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-88.47	-120.36	-81.97	-56.85	-51.26	-35.34	-43.53	-44.02	-88.58	-80.82	-124.07	-140.95
CRMS0276 - Just east of Wilkinson Canal	-88.02	-38.22	-36.86	-24.48	-20.07	-27.34	-42.59	-24.89	-29.57	-33.50	-17.94	-26.51
Barataria Waterway at Lafitte (USACE82875)	-5.90	3.17	0.40	-0.03	0.08	-1.88	-2.97	-4.97	-11.85	-25.28	-14.27	-1.19
USGS2928590900040000 Barataria Waterway South of Lafitte	-129.82	-160.29	-99.49	-52.18	-43.47	-31.96	-52.55	-54.53	-90.79	-86.73	-101.30	-156.96
USGS7380251 Barataria Bay North of Grand Isle	-45.59	-64.20	-49.34	-53.90	-55.10	-44.23	-36.55	-16.24	-14.91	-11.50	-25.85	-45.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	-199.00	-201.03	-113.35	-93.02	-89.52	-69.73	-72.73	-33.26	-40.00	-41.86	-65.57	-167.14
USGS 07380335 - Little Lake Near Cutoff	-245.88	-228.71	-132.09	-106.14	-101.34	-74.03	-72.61	-29.27	-36.46	-35.43	-54.80	-170.41
USGS073802516 Barataria Pass at Grand Isle	-211.14	-233.29	-138.51	-131.45	-132.52	-95.96	-66.72	-6.48	-28.56	-22.70	-40.60	-150.42
HWQ14 - Lake Washington	-90.51	-114.41	-77.95	-86.45	-99.36	-78.53	-57.67	-0.04	-16.23	-8.87	-26.41	-72.98
HWQ16 - Bayou Grand Liard	-131.63	-218.43	-200.14	-187.31	-140.68	-64.92	-33.87	-8.51	-25.23	-19.53	-23.14	-92.26
CRMS 3985	-20.46	-30.57	-28.66	-42.62	-47.51	-40.91	-30.43	-13.01	-6.28	-3.10	-7.05	-17.36
CRMS 0258	-157.65	-157.49	-74.16	-39.32	-26.12	-20.52	-45.48	-40.06	-38.01	-42.78	-36.45	-117.65
CRMS 0224	-202.16	-201.76	-110.69	-67.97	-58.28	-48.17	-62.31	-36.68	-47.91	-41.88	-40.45	-159.78
CRMS 0163	-1.41	1.49	0.09	0.14	0.03	-3.12	-3.27	-2.97	-12.53	-27.02	-0.47	2.00
CRMS 0162	7.38	10.85	9.98	9.88	3.43	-1.53	-1.68	-10.09	-14.43	-32.31	6.90	-5.68

Figure WQ SO4 142 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	105.34	155.15	109.77	124.49	130.63	101.93	66.36	58.36	119.43	121.49	139.03	136.97
CRMS0276 - Just east of Wilkinson Canal	387.72	213.94	234.50	164.02	146.88	211.07	298.93	396.72	406.47	392.86	345.93	279.28
Barataria Waterway at Lafitte (USACE82875)	172.24	46.08	43.45	32.73	34.44	40.44	98.26	139.30	237.51	96.58	111.60	68.45
USGS2928590900040000 Barataria Waterway South of Lafitte	150.03	211.19	155.60	137.75	140.84	110.93	85.36	84.30	201.75	203.93	211.91	194.93
USGS7380251 Barataria Bay North of Grand Isle	57.94	83.48	54.27	79.43	93.13	78.03	41.17	33.17	41.10	48.03	75.94	65.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	251.46	258.20	155.54	162.75	168.11	147.20	133.50	230.69	216.34	228.09	281.66	234.13
USGS 07380335 - Little Lake Near Cutoff	365.28	307.69	215.53	199.81	201.46	178.27	228.69	373.76	316.42	333.80	368.23	306.30
USGS073802516 Barataria Pass at Grand Isle	302.00	302.20	188.11	215.01	237.37	230.80	238.85	355.82	262.10	278.80	299.18	278.85
HWQ14 - Lake Washington	108.94	142.91	77.82	118.65	151.47	133.45	75.72	89.79	94.28	94.87	125.80	120.86
HWQ16 - Bayou Grand Liard	601.81	441.20	421.74	365.66	341.99	380.38	556.79	634.66	555.43	555.11	542.57	479.85
CRMS 3985	31.81	43.66	31.38	48.07	66.29	64.77	30.79	22.71	24.74	27.67	37.26	36.43
CRMS 0258	236.26	245.67	207.48	127.45	122.84	119.66	127.59	154.28	340.12	353.22	320.35	258.32
CRMS 0224	267.00	283.87	209.20	164.44	166.04	142.59	150.15	233.14	315.81	320.39	337.08	290.47
CRMS 0163	112.89	32.42	27.52	36.81	26.11	59.87	110.30	135.79	252.60	78.88	44.18	41.56
CRMS 0162	236.98	121.18	199.17	234.63	227.20	216.63	218.47	432.57	626.60	358.39	194.39	104.93

V3PR6 HYST - cy 3 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	18.05	14.48	15.74	15.77	14.54	17.26	18.87	19.23	19.86	18.77	17.66	16.74
CRMS0276 - Just east of Wilkinson Canal	355.67	175.91	207.33	139.22	124.37	185.39	277.93	395.60	377.14	359.82	316.24	253.81
Barataria Waterway at Lafitte (USACE82875)	158.85	47.08	41.02	31.11	37.13	38.13	91.18	130.89	159.40	82.23	94.88	59.96
USGS2928590900040000 Barataria Waterway South of Lafitte	52.53	14.78	22.87	23.81	15.55	24.64	21.47	35.46	98.46	90.24	110.28	79.38
USGS7380251 Barataria Bay North of Grand Isle	26.11	15.22	16.21	18.65	18.03	21.27	21.59	23.96	27.05	31.50	44.95	32.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	143.45	30.33	49.60	50.72	24.25	60.09	103.22	185.25	164.03	160.85	206.49	139.94
USGS 07380335 - Little Lake Near Cutoff	271.93	73.31	96.63	83.39	39.06	93.06	203.26	336.48	265.44	275.41	302.46	227.96
USGS073802516 Barataria Pass at Grand Isle	225.71	83.33	88.64	94.00	70.49	140.90	237.09	348.80	225.03	234.32	242.41	202.62
HWQ14 - Lake Washington	58.74	29.43	29.12	37.60	46.15	56.60	64.77	94.00	75.33	72.19	87.67	69.71
HWQ16 - Bayou Grand Liard	571.37	318.86	343.08	278.07	231.91	339.75	551.68	634.77	534.78	531.05	504.07	440.58
CRMS 3985	17.39	15.20	13.29	14.78	18.95	19.13	17.98	18.02	20.85	23.78	26.52	22.85
CRMS 0258	175.46	69.94	84.22	62.60	50.37	70.64	75.25	134.01	289.81	297.73	274.09	200.44
CRMS 0224	190.35	61.50	78.83	63.04	43.77	67.75	110.89	205.17	254.07	254.46	285.75	216.80
CRMS 0163	107.76	33.35	27.75	37.29	27.68	54.72	102.57	118.41	172.18	69.26	40.36	38.70
CRMS 0162	232.19	131.13	217.03	233.87	235.66	183.89	211.22	412.14	606.71	287.43	200.36	100.88

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-87.28	-140.67	-94.03	-108.72	-116.09	-84.68	-47.49	-39.13	-99.57	-102.72	-121.38	-120.23
CRMS0276 - Just east of Wilkinson Canal	-32.06	-38.03	-27.17	-24.79	-22.51	-25.68	-21.00	-1.12	-29.33	-33.04	-29.69	-25.47
Barataria Waterway at Lafitte (USACE82875)	-13.39	1.00	-2.43	-1.62	2.69	-2.32	-7.08	-8.42	-78.11	-14.35	-16.71	-8.49
USGS2928590900040000 Barataria Waterway South of Lafitte	-97.50	-196.42	-132.73	-113.94	-125.28	-86.29	-63.89	-48.84	-103.29	-113.69	-101.63	-115.55
USGS7380251 Barataria Bay North of Grand Isle	-31.84	-68.26	-38.06	-60.78	-75.10	-56.76	-19.58	-9.22	-14.05	-16.53	-30.98	-33.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	-108.01	-227.87	-105.93	-112.03	-143.86	-87.11	-30.27	-45.44	-52.31	-67.24	-75.17	-94.19
USGS 07380335 - Little Lake Near Cutoff	-93.35	-234.38	-118.90	-116.42	-162.40	-85.21	-25.43	-37.28	-50.98	-58.39	-65.77	-78.34
USGS073802516 Barataria Pass at Grand Isle	-76.29	-218.87	-99.47	-121.01	-166.88	-89.90	-1.76	-7.03	-37.07	-44.48	-56.77	-76.23
HWQ14 - Lake Washington	-50.20	-113.48	-48.70	-81.05	-105.33	-76.85	-10.95	4.21	-18.94	-22.69	-38.13	-51.15
HWQ16 - Bayou Grand Liard	-30.44	-122.34	-78.66	-87.59	-110.08	-40.64	-5.11	0.11	-20.65	-24.07	-38.50	-39.27
CRMS 3985	-14.42	-28.46	-18.08	-33.28	-47.34	-45.65	-12.81	-4.68	-3.89	-3.89	-10.73	-13.58
CRMS 0258	-60.80	-175.73	-123.26	-64.85	-72.46	-49.01	-52.35	-20.27	-50.31	-55.49	-46.26	-57.88
CRMS 0224	-76.65	-222.36	-130.36	-101.40	-122.27	-74.84	-39.27	-27.98	-61.74	-65.93	-51.33	-73.67
CRMS 0163	-5.13	0.93	0.24	0.48	1.57	-5.16	-7.72	-17.38	-80.42	-9.62	-3.82	-2.87
CRMS 0162	-4.79	9.95	17.87	-0.75	8.45	-32.74	-7.25	-20.43	-19.89	-70.96	5.98	-4.05

Figure WQ SO4 143 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	111.26	139.84	98.71	88.71	88.44	71.75	64.97	52.30	72.37	75.72	121.12	147.88
CRMS0276 - Just east of Wilkinson Canal	332.40	93.39	91.83	75.66	80.68	61.60	117.90	183.65	213.49	320.13	399.88	361.62
Barataria Waterway at Lafitte (USACE82875)	92.14	16.57	15.66	14.06	19.86	12.78	18.42	30.83	31.76	80.85	158.86	93.15
USGS2928590900040000 Barataria Waterway South of Lafitte	163.77	173.93	109.71	87.36	86.91	65.91	73.79	68.91	108.92	120.28	188.19	221.54
USGS7380251 Barataria Bay North of Grand Isle	63.19	86.20	72.08	80.18	83.11	71.66	56.14	38.21	32.44	34.65	63.13	65.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	252.47	213.88	136.35	130.95	132.37	114.26	116.55	138.11	122.44	151.92	266.13	265.29
USGS 07380335 - Little Lake Near Cutoff	347.73	233.22	159.06	147.35	152.89	122.50	145.90	199.93	177.28	242.02	362.93	354.19
USGS073802516 Barataria Pass at Grand Isle	299.67	246.33	165.71	174.58	189.85	167.32	174.55	214.66	155.58	201.04	282.00	312.44
HWQ14 - Lake Washington	117.31	138.49	102.35	118.42	136.56	119.38	95.83	81.93	65.04	63.43	106.44	124.10
HWQ16 - Bayou Grand Liard	537.10	313.90	296.69	276.12	263.86	233.46	337.12	401.98	398.23	495.96	570.09	537.07
CRMS 3985	33.20	49.18	52.05	64.87	71.09	64.85	49.10	28.42	22.90	23.06	27.49	33.00
CRMS 0258	246.85	159.99	82.58	72.68	69.80	40.14	64.88	87.13	150.58	215.34	331.00	344.96
CRMS 0224	278.48	202.70	125.27	107.19	109.26	82.02	104.99	136.75	164.23	205.40	320.15	344.82
CRMS 0163	41.14	11.68	13.35	18.04	15.50	13.32	19.68	28.36	30.89	72.94	78.26	54.89
CRMS 0162	90.26	57.34	108.49	123.72	139.75	52.84	15.27	46.82	212.87	291.83	346.94	205.70

V3PR6 HYST - cy 3 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.39	11.77	12.05	12.46	13.19	14.78	16.86	17.99	19.90	17.82
CRMS0276 - Just east of Wilkinson Canal	170.20	60.90	44.18	42.81	46.79	27.87	29.04	86.77	193.15	300.65	381.75	336.25
Barataria Waterway at Lafitte (USACE82875)	81.06	17.86	15.92	14.04	20.54	12.90	17.96	27.67	26.13	70.12	141.49	84.00
USGS2928590900040000 Barataria Waterway South of Lafitte	13.23	10.96	12.36	11.70	12.04	12.37	13.04	15.12	41.75	59.35	106.38	95.40
USGS7380251 Barataria Bay North of Grand Isle	14.77	11.13	12.23	11.51	11.95	12.00	12.54	13.63	16.85	23.08	45.48	36.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.78	11.15	12.45	11.71	12.26	12.19	12.80	31.97	82.85	121.01	210.65	165.39
USGS 07380335 - Little Lake Near Cutoff	45.68	13.54	13.64	12.40	13.49	12.28	12.96	56.35	138.69	216.14	314.62	274.24
USGS073802516 Barataria Pass at Grand Isle	42.94	14.93	13.66	13.96	18.17	13.83	13.80	65.20	120.96	187.82	250.61	237.14
HWQ14 - Lake Washington	24.50	12.61	11.61	11.68	15.19	11.16	10.75	17.17	43.98	55.76	89.71	78.53
HWQ16 - Bayou Grand Liard	311.65	92.27	103.73	79.79	99.00	98.64	174.40	299.93	369.43	483.43	548.63	501.30
CRMS 3985	17.52	12.09	11.90	11.30	11.85	11.29	11.69	12.29	13.34	17.32	27.18	25.68
CRMS 0258	40.93	13.98	13.00	13.30	15.51	12.20	12.54	21.92	108.96	192.34	301.91	291.57
CRMS 0224	31.07	12.77	12.80	12.43	14.26	12.23	12.73	28.37	111.68	176.88	289.05	270.56
CRMS 0163	41.46	12.24	13.63	19.66	16.10	13.76	18.65	27.05	27.66	62.69	77.41	50.30
CRMS 0162	102.61	68.55	125.62	136.06	145.84	51.57	15.09	41.16	196.58	240.84	356.76	188.10

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-98.62	-128.87	-86.32	-76.94	-76.39	-59.28	-51.78	-37.52	-55.50	-57.72	-101.22	-130.06
CRMS0276 - Just east of Wilkinson Canal	-162.21	-32.49	-47.65	-32.85	-33.89	-33.73	-88.86	-96.88	-20.34	-19.48	-18.13	-25.37
Barataria Waterway at Lafitte (USACE82875)	-11.08	1.29	0.26	-0.02	0.68	0.13	-0.45	-3.16	-5.63	-10.73	-17.37	-9.14
USGS2928590900040000 Barataria Waterway South of Lafitte	-150.53	-162.97	-97.35	-75.66	-74.87	-53.54	-60.75	-53.79	-67.17	-60.93	-81.81	-126.15
USGS7380251 Barataria Bay North of Grand Isle	-48.42	-75.07	-59.84	-68.67	-71.17	-59.66	-43.60	-24.58	-15.59	-11.57	-17.65	-28.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	-231.69	-202.73	-123.91	-119.24	-120.11	-102.07	-103.74	-106.14	-39.60	-30.91	-55.48	-99.90
USGS 07380335 - Little Lake Near Cutoff	-302.05	-219.68	-145.43	-134.95	-139.41	-110.22	-132.94	-143.58	-38.59	-25.88	-48.31	-79.95
USGS073802516 Barataria Pass at Grand Isle	-256.73	-231.40	-152.05	-160.62	-171.68	-153.50	-160.75	-149.47	-34.62	-13.22	-31.39	-75.30
HWQ14 - Lake Washington	-92.81	-125.88	-90.74	-106.74	-121.37	-108.22	-85.09	-64.76	-21.06	-7.67	-16.73	-45.57
HWQ16 - Bayou Grand Liard	-225.46	-221.63	-192.97	-196.33	-164.86	-134.82	-162.73	-102.06	-28.80	-12.53	-21.46	-35.77
CRMS 3985	-15.68	-37.09	-40.14	-53.58	-59.24	-53.57	-37.41	-16.12	-9.57	-5.74	-0.31	-7.33
CRMS 0258	-205.92	-146.01	-69.58	-59.38	-54.30	-27.94	-52.34	-65.21	-41.63	-22.99	-29.09	-53.38
CRMS 0224	-247.41	-189.92	-112.46	-94.76	-95.00	-69.78	-92.26	-108.39	-52.55	-28.52	-31.10	-74.26
CRMS 0163	0.32	0.56	0.29	1.63	0.60	0.44	-1.03	-1.32	-3.23	-10.25	-0.85	-4.59
CRMS 0162	12.35	11.21	17.13	12.34	6.09	-1.27	-0.18	-5.67	-16.29	-50.99	9.81	-17.60

Figure WQ SO4 144 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	97.22	147.52	116.90	93.97	74.53	54.32	53.43	54.95	83.96	84.61	135.15	148.45
CRMS0276 - Just east of Wilkinson Canal	260.75	335.23	177.46	67.30	41.95	31.01	95.93	200.34	238.11	341.73	409.25	187.49
Barataria Waterway at Lafitte (USACE82875)	99.53	89.77	26.16	13.03	13.04	11.58	16.83	38.21	34.56	95.56	158.91	34.86
USGS2928590900040000 Barataria Waterway South of Lafitte	130.75	207.56	176.48	88.62	66.00	45.75	58.92	70.81	126.70	132.65	206.14	214.21
USGS7380251 Barataria Bay North of Grand Isle	55.42	73.93	55.27	77.72	75.33	61.58	48.37	41.97	36.65	38.73	73.45	71.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	207.28	253.63	164.32	128.61	115.65	89.76	95.85	154.54	138.09	165.75	286.22	250.72
USGS 07380335 - Little Lake Near Cutoff	291.51	326.79	217.42	142.23	126.99	91.93	121.32	220.94	196.62	257.49	381.77	306.64
USGS073802516 Barataria Pass at Grand Isle	249.80	304.36	189.11	169.27	161.93	129.06	148.67	236.46	173.17	214.87	300.66	283.21
HWQ14 - Lake Washington	100.30	127.12	80.09	113.45	125.46	99.13	79.94	92.40	73.18	70.64	121.52	133.09
HWQ16 - Bayou Grand Liard	507.00	509.27	364.23	262.60	195.69	177.00	311.85	434.15	417.33	512.71	577.95	419.47
CRMS 3985	30.83	36.12	30.30	55.42	64.33	57.28	43.82	32.56	25.15	24.98	35.33	37.42
CRMS 0258	170.49	300.54	215.88	64.24	44.77	26.12	48.66	87.92	178.03	229.56	352.32	267.82
CRMS 0224	211.29	305.37	229.52	100.05	80.11	57.43	82.63	144.82	185.61	220.03	342.26	304.70
CRMS 0163	74.67	64.76	15.56	12.67	12.53	11.67	18.32	36.16	36.58	93.54	71.74	15.63
CRMS 0162	190.03	278.79	92.15	102.85	55.82	26.94	14.67	62.57	269.30	411.14	326.04	60.14

V3PR6 HYST - cy 3 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.22	18.54	11.86	11.36	12.46	11.61	13.06	15.72	17.35	19.24	19.58	11.93
CRMS0276 - Just east of Wilkinson Canal	192.10	314.23	136.58	37.37	20.48	15.55	25.12	140.00	215.46	329.48	400.30	147.52
Barataria Waterway at Lafitte (USACE82875)	85.11	83.97	28.06	13.02	13.34	11.69	15.79	32.43	30.68	89.36	148.07	39.34
USGS2928590900040000 Barataria Waterway South of Lafitte	18.45	64.94	14.68	11.34	12.44	11.56	12.88	18.92	53.06	63.26	107.39	12.61
USGS7380251 Barataria Bay North of Grand Isle	14.54	34.87	13.85	11.34	12.39	11.44	12.23	14.46	19.73	25.44	46.82	13.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	71.49	156.69	21.79	11.42	12.40	11.49	12.57	67.32	102.33	129.92	215.25	16.38
USGS 07380335 - Little Lake Near Cutoff	145.24	243.51	37.31	11.92	12.44	11.47	13.30	126.36	163.57	230.59	329.17	32.99
USGS073802516 Barataria Pass at Grand Isle	117.26	223.28	39.42	12.93	12.84	11.83	13.33	142.60	144.68	198.59	260.26	43.32
HWQ14 - Lake Washington	24.81	69.38	20.93	11.75	12.30	11.15	10.46	31.95	53.70	60.76	93.05	29.68
HWQ16 - Bayou Grand Liard	421.68	468.48	164.28	67.24	47.01	59.94	160.75	384.73	398.68	503.79	563.69	210.78
CRMS 3985	14.13	21.90	14.76	11.38	12.14	11.30	11.33	11.62	14.72	19.20	28.30	18.54
CRMS 0258	43.55	213.07	52.61	12.28	12.72	11.40	12.26	35.22	139.82	201.02	324.14	62.05
CRMS 0224	75.02	211.37	40.38	11.86	12.52	11.42	12.48	61.75	138.65	187.38	306.71	46.37
CRMS 0163	68.17	62.66	16.15	12.81	12.74	11.80	17.04	32.82	32.68	84.73	71.87	17.03
CRMS 0162	189.72	262.21	106.15	118.50	54.67	30.75	14.76	54.85	246.97	365.78	333.39	67.30

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-80.99	-128.98	-105.04	-82.61	-62.07	-42.72	-40.37	-39.23	-66.61	-65.38	-115.57	-136.51
CRMS0276 - Just east of Wilkinson Canal	-68.66	-21.00	-40.88	-29.93	-21.47	-15.46	-70.81	-60.34	-22.65	-12.26	-8.94	-39.97
Barataria Waterway at Lafitte (USACE82875)	-14.42	-5.80	1.90	-0.01	0.30	0.12	-1.04	-5.79	-3.87	-6.20	-10.83	4.48
USGS2928590900040000 Barataria Waterway South of Lafitte	-112.31	-142.63	-161.80	-77.28	-53.56	-34.19	-46.04	-51.89	-73.64	-69.39	-98.76	-201.60
USGS7380251 Barataria Bay North of Grand Isle	-40.88	-39.06	-41.42	-66.37	-62.94	-50.14	-36.14	-27.51	-16.91	-13.29	-26.63	-57.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	-135.79	-96.94	-142.54	-117.19	-103.25	-78.28	-83.28	-87.23	-35.76	-35.83	-70.97	-234.34
USGS 07380335 - Little Lake Near Cutoff	-146.27	-83.28	-180.11	-130.31	-114.55	-80.46	-108.03	-94.59	-33.06	-26.90	-52.60	-273.65
USGS073802516 Barataria Pass at Grand Isle	-132.53	-81.09	-149.69	-156.34	-149.09	-117.23	-135.34	-93.86	-28.49	-16.29	-40.39	-239.89
HWQ14 - Lake Washington	-75.49	-57.74	-59.17	-101.69	-113.16	-87.98	-69.48	-60.45	-19.48	-9.89	-28.47	-103.40
HWQ16 - Bayou Grand Liard	-85.32	-40.78	-199.94	-195.36	-148.68	-117.07	-151.10	-49.42	-18.65	-8.92	-14.26	-208.69
CRMS 3985	-16.70	-14.22	-15.54	-44.04	-52.19	-45.98	-32.50	-20.94	-10.43	-5.78	-7.03	-18.89
CRMS 0258	-126.94	-87.47	-163.27	-51.96	-32.05	-14.73	-36.41	-52.70	-38.21	-28.54	-28.18	-205.77
CRMS 0224	-136.27	-94.01	-189.14	-88.20	-67.60	-46.01	-70.15	-83.06	-46.96	-32.65	-35.55	-258.33
CRMS 0163	-6.50	-2.10	0.58	0.14	0.21	0.13	-1.28	-3.34	-3.89	-8.81	0.13	1.41
CRMS 0162	-0.31	-16.58	14.00	15.64	-1.16	3.81	0.10	-7.72	-22.32	-45.36	7.35	7.16

Figure WQ SO4 145 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	107.71	141.04	101.23	100.43	76.28	61.93	61.22	65.18	114.09	108.15	140.15	150.90
CRMS0276 - Just east of Wilkinson Canal	298.33	145.77	149.12	60.61	58.32	43.32	165.23	340.42	346.30	371.22	359.72	332.18
Barataria Waterway at Lafitte (USACE82875)	94.81	26.42	25.61	12.12	13.30	11.48	44.18	101.40	80.40	83.26	121.01	88.15
USGS2928590900040000 Barataria Waterway South of Lafitte	155.63	190.62	127.29	99.37	68.40	56.56	67.37	87.48	184.38	178.20	212.96	217.21
USGS7380251 Barataria Bay North of Grand Isle	59.44	77.09	61.82	83.65	79.12	65.26	52.09	41.08	42.85	44.79	75.04	69.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	241.45	231.26	145.86	138.27	118.80	100.19	115.73	213.83	194.48	202.37	279.54	256.27
USGS 07380335 - Little Lake Near Cutoff	334.34	269.39	184.76	150.37	133.86	104.73	167.08	337.97	276.72	301.73	367.09	337.78
USGS073802516 Barataria Pass at Grand Isle	285.10	268.50	176.09	179.82	168.75	144.30	188.69	328.65	237.40	254.19	294.71	302.25
HWQ14 - Lake Washington	111.61	130.10	89.46	123.87	127.51	107.06	86.31	97.23	92.35	86.01	121.99	128.47
HWQ16 - Bayou Grand Liard	530.72	368.90	350.25	263.01	222.39	198.07	428.78	590.08	512.91	535.34	548.60	523.37
CRMS 3985	30.10	41.17	38.83	62.35	69.20	60.08	45.56	28.42	26.62	27.29	36.25	34.96
CRMS 0258	227.49	209.49	118.52	73.41	48.45	34.67	65.71	139.45	285.27	314.30	339.65	318.64
CRMS 0224	262.70	248.00	158.56	110.75	86.24	70.29	104.39	212.15	277.31	283.01	335.76	321.83
CRMS 0163	59.94	14.84	18.81	11.98	12.01	11.95	57.70	91.22	88.85	67.82	49.30	44.00
CRMS 0162	117.91	88.71	145.42	86.46	106.84	41.59	48.02	272.99	496.24	284.92	231.92	167.50

V3PR7 HYST - cy 3 - 2002 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.45	12.18	14.05	11.00	11.27	11.75	16.31	18.47	19.21	18.58	18.55	16.47
CRMS0276 - Just east of Wilkinson Canal	202.59	101.92	110.53	33.20	27.79	19.56	110.06	309.75	313.31	346.15	346.41	310.43
Barataria Waterway at Lafitte (USACE82875)	82.66	28.99	25.42	12.23	13.46	11.51	38.47	93.13	55.09	75.90	109.01	83.43
USGS2928590900040000 Barataria Waterway South of Lafitte	15.67	12.15	13.79	10.99	11.26	11.65	14.99	30.49	78.97	70.92	100.52	64.30
USGS7380251 Barataria Bay North of Grand Isle	15.54	13.07	13.05	10.98	11.27	11.30	10.72	19.65	24.98	31.62	49.52	32.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	62.52	17.28	18.78	11.05	11.33	11.44	32.02	168.72	148.13	157.23	217.68	134.58
USGS 07380335 - Little Lake Near Cutoff	131.17	36.72	32.37	11.50	11.54	11.35	75.12	292.37	233.65	265.57	317.13	229.52
USGS073802516 Barataria Pass at Grand Isle	106.45	45.39	32.23	12.82	12.76	11.79	93.67	311.80	202.63	231.07	256.24	203.81
HWQ14 - Lake Washington	30.14	23.44	14.41	11.68	12.01	10.43	14.70	86.38	72.28	76.07	96.38	72.24
HWQ16 - Bayou Grand Liard	391.99	169.81	217.27	54.01	62.18	71.62	365.78	572.87	483.03	520.27	526.09	466.71
CRMS 3985	16.79	14.31	12.36	11.05	11.20	10.71	10.02	11.98	18.53	23.40	29.27	25.28
CRMS 0258	36.74	30.54	21.92	12.13	11.96	11.31	17.72	92.26	238.94	259.73	306.00	241.33
CRMS 0224	65.72	30.25	23.05	11.61	11.67	11.39	31.93	166.99	220.04	231.41	296.53	221.03
CRMS 0163	55.33	16.70	18.96	12.27	12.10	12.16	48.96	84.79	59.88	63.39	47.53	41.80
CRMS 0162	123.44	98.97	165.06	93.37	113.22	44.57	42.97	249.75	465.97	260.70	238.99	151.47

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-93.26	-128.86	-87.19	-89.43	-65.02	-50.18	-44.91	-46.71	-94.88	-89.58	-121.60	-134.44
CRMS0276 - Just east of Wilkinson Canal	-95.74	-43.85	-38.59	-27.42	-30.54	-23.76	-55.17	-30.67	-32.99	-25.07	-13.31	-21.75
Barataria Waterway at Lafitte (USACE82875)	-12.15	2.57	-0.19	0.11	0.16	0.03	-5.72	-8.28	-25.31	-7.37	-12.00	-4.73
USGS2928590900040000 Barataria Waterway South of Lafitte	-139.96	-178.47	-113.50	-88.38	-57.13	-44.91	-52.38	-56.99	-105.40	-107.28	-112.44	-152.91
USGS7380251 Barataria Bay North of Grand Isle	-43.90	-64.02	-48.77	-72.67	-67.85	-53.96	-41.37	-21.43	-17.87	-13.17	-25.52	-36.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	-178.94	-213.98	-127.08	-127.23	-107.48	-88.76	-83.71	-45.12	-46.35	-45.14	-61.87	-121.69
USGS 07380335 - Little Lake Near Cutoff	-203.17	-232.67	-152.40	-138.87	-122.33	-93.37	-91.97	-45.60	-43.07	-36.17	-49.96	-108.26
USGS073802516 Barataria Pass at Grand Isle	-178.65	-223.11	-143.85	-167.00	-155.99	-132.51	-95.02	-16.85	-34.76	-23.12	-38.48	-98.44
HWQ14 - Lake Washington	-81.47	-106.66	-75.05	-112.20	-115.50	-96.63	-71.61	-10.86	-20.07	-9.94	-25.61	-56.23
HWQ16 - Bayou Grand Liard	-138.73	-199.09	-132.98	-209.01	-160.21	-126.45	-63.00	-17.20	-29.88	-15.07	-22.51	-56.65
CRMS 3985	-13.31	-26.85	-26.47	-51.30	-58.00	-49.37	-35.54	-16.45	-8.10	-3.89	-6.98	-9.68
CRMS 0258	-190.74	-178.95	-96.60	-61.29	-36.49	-23.36	-47.99	-47.19	-46.33	-54.57	-33.65	-77.31
CRMS 0224	-196.99	-217.76	-135.51	-99.14	-74.56	-58.90	-72.46	-45.16	-57.27	-51.60	-39.23	-100.81
CRMS 0163	-4.61	1.86	0.14	0.29	0.09	0.22	-8.75	-6.43	-28.98	-4.43	-1.77	-2.20
CRMS 0162	5.53	10.26	19.65	6.91	6.38	2.98	-5.06	-23.24	-30.27	-24.23	7.07	-16.04

Figure WQ SO4 146 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	103.07	131.87	92.82	67.78	62.25	50.52	59.43	61.58	107.21	100.84	143.55	155.93
CRMS0276 - Just east of Wilkinson Canal	294.57	126.03	65.01	55.39	39.50	96.04	219.22	306.72	318.08	414.99	414.80	276.20
Barataria Waterway at Lafitte (USACE82875)	100.10	21.50	11.92	12.18	11.41	21.28	46.14	77.64	56.50	136.58	153.44	58.75
USGS2928590900040000 Barataria Waterway South of Lafitte	146.30	171.82	110.34	63.11	54.44	45.73	68.91	85.31	172.06	164.57	223.49	228.74
USGS7380251 Barataria Bay North of Grand Isle	60.19	75.78	60.16	64.78	66.04	55.03	47.74	37.40	39.35	42.50	76.17	72.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	231.12	213.18	124.22	103.96	100.48	89.37	133.72	198.25	179.78	198.62	298.13	263.06
USGS 07380335 - Little Lake Near Cutoff	320.45	246.78	143.25	117.29	112.34	104.97	199.99	303.36	255.93	305.75	397.29	333.93
USGS073802516 Barataria Pass at Grand Isle	276.76	252.05	149.60	142.71	143.97	147.93	223.39	303.83	220.37	254.84	312.23	301.71
HWQ14 - Lake Washington	110.04	126.39	88.25	96.93	110.30	91.91	89.03	95.20	86.46	82.63	125.38	135.24
HWQ16 - Bayou Grand Liard	529.76	346.48	254.48	238.59	188.43	268.99	469.36	540.21	488.38	561.79	586.24	484.51
CRMS 3985	33.39	41.85	39.30	53.25	58.31	51.04	39.98	25.47	24.71	26.39	35.98	38.53
CRMS 0258	200.86	177.05	85.20	50.87	37.27	35.36	81.47	138.11	258.65	298.26	383.39	292.15
CRMS 0224	244.37	218.63	121.64	79.20	69.32	66.00	126.53	199.77	254.12	271.94	365.04	327.69
CRMS 0163	60.51	13.41	11.13	11.56	11.18	31.77	50.36	72.74	61.04	134.71	62.95	27.31
CRMS 0162	119.84	78.84	58.76	86.51	65.72	81.79	23.16	188.76	430.82	513.37	305.69	99.87

V3PR7 HYST - cy 3 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.62	11.51	10.85	10.94	10.99	15.17	15.87	17.52	18.69	19.95	19.53	14.68
CRMS0276 - Just east of Wilkinson Canal	210.72	87.64	27.98	31.14	19.81	69.81	179.28	284.22	289.69	380.53	397.65	246.05
Barataria Waterway at Lafitte (USACE82875)	97.36	25.37	12.33	12.17	11.49	19.65	43.89	72.59	46.22	108.95	141.54	60.20
USGS2928590900040000 Barataria Waterway South of Lafitte	16.09	11.53	10.85	10.93	10.96	13.97	16.17	29.56	75.41	68.26	107.41	61.85
USGS7380251 Barataria Bay North of Grand Isle	16.11	11.67	10.83	10.88	10.94	10.82	11.30	21.43	24.32	30.78	51.36	28.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	33.46	12.15	10.86	10.94	10.96	20.33	62.16	165.34	140.20	155.63	233.73	94.66
USGS 07380335 - Little Lake Near Cutoff	76.80	18.05	11.06	11.14	11.01	31.99	128.87	274.09	219.91	267.55	344.14	160.56
USGS073802516 Barataria Pass at Grand Isle	68.48	19.10	11.04	11.23	11.56	53.10	158.63	298.72	191.81	232.55	273.30	149.70
HWQ14 - Lake Washington	22.03	12.68	10.42	10.49	11.02	13.78	31.70	96.56	69.44	74.17	99.89	63.06
HWQ16 - Bayou Grand Liard	403.40	129.01	49.88	49.99	50.52	205.03	439.34	534.02	467.20	538.92	564.22	388.37
CRMS 3985	15.65	11.70	10.67	10.63	10.80	10.15	9.61	12.61	18.41	23.08	29.34	23.97
CRMS 0258	42.15	19.11	11.02	11.48	11.15	14.90	35.35	95.81	220.54	248.19	342.83	168.89
CRMS 0224	42.63	16.43	10.93	11.20	11.03	18.12	64.95	162.38	205.68	226.12	323.77	163.10
CRMS 0163	60.33	14.84	11.18	11.67	11.21	28.57	46.28	67.49	48.13	101.09	62.74	28.95
CRMS 0162	126.24	89.36	70.44	98.99	73.53	85.77	21.67	168.39	405.30	469.08	306.75	92.66

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-88.44	-120.36	-81.97	-56.85	-51.26	-35.35	-43.56	-44.05	-88.52	-80.89	-124.02	-141.25
CRMS0276 - Just east of Wilkinson Canal	-83.85	-38.39	-37.03	-24.24	-19.69	-26.23	-39.94	-22.49	-28.40	-34.46	-17.15	-30.15
Barataria Waterway at Lafitte (USACE82875)	-2.74	3.86	0.41	-0.01	0.07	-1.63	-2.25	-5.05	-10.27	-27.63	-11.91	1.45
USGS2928590900040000 Barataria Waterway South of Lafitte	-130.20	-160.29	-99.49	-52.18	-43.47	-31.76	-52.73	-55.74	-96.65	-96.30	-116.09	-166.89
USGS7380251 Barataria Bay North of Grand Isle	-44.08	-64.11	-49.33	-53.90	-55.10	-44.21	-36.44	-15.96	-15.03	-11.72	-24.80	-44.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	-197.65	-201.02	-113.36	-93.02	-89.52	-69.03	-71.57	-32.91	-39.58	-43.00	-64.40	-168.40
USGS 07380335 - Little Lake Near Cutoff	-243.64	-228.73	-132.19	-106.15	-101.33	-72.99	-71.12	-29.26	-36.02	-38.20	-53.15	-173.37
USGS073802516 Barataria Pass at Grand Isle	-208.28	-232.95	-138.56	-131.49	-132.41	-94.83	-64.76	-5.11	-28.57	-22.29	-38.93	-152.02
HWQ14 - Lake Washington	-88.00	-113.71	-77.83	-86.43	-99.28	-78.13	-57.33	1.35	-17.02	-8.46	-25.49	-72.17
HWQ16 - Bayou Grand Liard	-126.35	-217.48	-204.61	-188.60	-137.91	-63.95	-30.02	-6.19	-21.18	-22.88	-22.02	-96.14
CRMS 3985	-17.75	-30.15	-28.63	-42.62	-47.51	-40.89	-30.37	-12.86	-6.30	-3.31	-6.64	-14.56
CRMS 0258	-158.71	-157.94	-74.18	-39.39	-26.13	-20.46	-46.12	-42.30	-38.11	-50.07	-40.56	-123.27
CRMS 0224	-201.74	-202.20	-110.71	-68.01	-58.29	-47.88	-61.58	-37.38	-48.43	-45.82	-41.27	-164.58
CRMS 0163	-0.18	1.43	0.05	0.11	0.03	-3.20	-4.08	-5.25	-12.91	-33.62	-0.21	1.64
CRMS 0162	6.40	10.53	11.68	12.48	7.81	3.98	-1.50	-20.38	-25.52	-44.29	1.06	-7.21

Figure WQ SO4 147 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	105.34	155.15	109.77	124.49	130.63	101.93	66.36	58.36	119.43	121.49	139.03	136.97
CRMS0276 - Just east of Wilkinson Canal	387.72	213.94	234.50	164.02	146.88	211.07	298.93	396.72	406.47	392.86	345.93	279.28
Barataria Waterway at Lafitte (USACE82875)	172.24	46.08	43.45	32.73	34.44	40.44	98.26	139.30	237.51	96.58	111.60	68.45
USGS2928590900040000 Barataria Waterway South of Lafitte	150.03	211.19	155.60	137.75	140.84	110.93	85.36	84.30	201.75	203.93	211.91	194.93
USGS7380251 Barataria Bay North of Grand Isle	57.94	83.48	54.27	79.43	93.13	78.03	41.17	33.17	41.10	48.03	75.94	65.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	251.46	258.20	155.54	162.75	168.11	147.20	133.50	230.69	216.34	228.09	281.66	234.13
USGS 07380335 - Little Lake Near Cutoff	365.28	307.69	215.53	199.81	201.46	178.27	228.69	373.76	316.42	333.80	368.23	306.30
USGS073802516 Barataria Pass at Grand Isle	302.00	302.20	188.11	215.01	237.37	230.80	238.85	355.82	262.10	278.80	299.18	278.85
HWQ14 - Lake Washington	108.94	142.91	77.82	118.65	151.47	133.45	75.72	89.79	94.28	94.87	125.80	120.86
HWQ16 - Bayou Grand Liard	601.81	441.20	421.74	365.66	341.99	380.38	556.79	634.66	555.43	555.11	542.57	479.85
CRMS 3985	31.81	43.66	31.38	48.07	66.29	64.77	30.79	22.71	24.74	27.67	37.26	36.43
CRMS 0258	236.26	245.67	207.48	127.45	122.84	119.66	127.59	154.28	340.12	353.22	320.35	258.32
CRMS 0224	267.00	283.87	209.20	164.44	166.04	142.59	150.15	233.14	315.81	320.39	337.08	290.47
CRMS 0163	112.89	32.42	27.52	36.81	26.11	59.87	110.30	135.79	252.60	78.88	44.18	41.56
CRMS 0162	236.98	121.18	199.17	234.63	227.20	216.63	218.47	432.57	626.60	358.39	194.39	104.93

V3PR7 HYST - cy 3 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	18.10	14.39	15.68	15.73	14.54	17.25	18.84	19.24	19.95	18.95	17.40	16.70
CRMS0276 - Just east of Wilkinson Canal	349.65	174.56	203.19	139.24	123.14	176.83	273.52	395.63	375.90	369.03	317.28	254.87
Barataria Waterway at Lafitte (USACE82875)	159.17	47.03	42.00	31.59	35.19	38.32	95.13	132.87	157.65	86.60	96.30	62.96
USGS2928590900040000 Barataria Waterway South of Lafitte	46.10	14.55	21.17	22.29	14.92	22.52	20.60	33.82	92.80	79.95	97.82	69.11
USGS7380251 Barataria Bay North of Grand Isle	26.80	15.70	17.20	19.28	18.36	21.86	22.14	24.80	27.48	32.50	45.88	33.75
USGS73802515 Hackberry Bay Northwest of Grand Isle	143.04	30.12	49.54	50.25	24.28	60.41	103.62	190.09	166.76	164.13	208.03	141.83
USGS 07380335 - Little Lake Near Cutoff	269.57	73.18	95.76	83.45	38.79	91.32	202.22	340.25	267.17	279.28	303.88	229.47
USGS073802516 Barataria Pass at Grand Isle	224.30	83.61	89.45	94.04	70.67	138.06	234.63	353.39	227.28	236.85	245.02	204.60
HWQ14 - Lake Washington	59.24	30.38	30.83	38.69	47.88	56.64	64.37	97.63	76.59	73.43	88.63	72.22
HWQ16 - Bayou Grand Liard	565.15	317.50	339.74	283.40	225.85	330.04	549.25	634.68	534.14	535.29	505.39	443.66
CRMS 3985	18.06	16.69	15.41	16.25	19.69	19.71	18.45	18.40	21.18	24.29	28.10	24.30
CRMS 0258	170.03	64.66	80.80	61.52	46.88	67.04	71.39	129.99	287.34	294.88	274.07	198.30
CRMS 0224	187.26	58.64	76.64	62.60	41.52	66.21	110.09	206.25	254.18	255.86	285.51	216.79
CRMS 0163	106.69	31.48	27.32	35.42	26.77	54.90	103.49	117.06	167.90	71.78	40.58	39.88
CRMS 0162	230.54	125.08	207.19	237.98	225.98	196.07	213.91	405.53	611.74	322.39	199.83	97.25

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-87.23	-140.76	-94.10	-108.76	-116.09	-84.69	-47.51	-39.12	-99.48	-102.54	-121.63	-120.27
CRMS0276 - Just east of Wilkinson Canal	-38.07	-39.38	-31.31	-24.78	-23.75	-34.24	-25.41	-1.09	-30.57	-23.83	-28.65	-24.41
Barataria Waterway at Lafitte (USACE82875)	-13.07	0.95	-1.45	-1.14	0.75	-2.12	-3.13	-6.43	-79.86	-9.98	-15.30	-5.49
USGS2928590900040000 Barataria Waterway South of Lafitte	-103.93	-196.64	-134.42	-115.46	-125.92	-88.41	-64.75	-50.48	-108.95	-123.98	-114.09	-125.82
USGS7380251 Barataria Bay North of Grand Isle	-31.15	-67.78	-37.06	-60.15	-74.76	-56.18	-19.03	-8.37	-13.62	-15.53	-30.06	-32.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	-108.42	-228.08	-106.00	-112.51	-143.83	-86.79	-29.88	-40.61	-49.58	-63.96	-73.63	-92.30
USGS 07380335 - Little Lake Near Cutoff	-95.71	-234.51	-119.76	-116.36	-162.66	-86.95	-26.47	-33.51	-49.25	-54.52	-64.35	-76.83
USGS073802516 Barataria Pass at Grand Isle	-77.69	-218.60	-98.66	-120.97	-166.70	-92.74	-4.22	-2.43	-34.82	-41.95	-54.16	-74.25
HWQ14 - Lake Washington	-49.71	-112.53	-46.99	-79.96	-103.60	-76.82	-11.35	7.84	-17.69	-21.44	-37.17	-48.64
HWQ16 - Bayou Grand Liard	-36.66	-123.70	-82.00	-82.26	-116.14	-50.34	-7.54	0.02	-21.29	-19.83	-37.18	-36.19
CRMS 3985	-13.75	-26.97	-15.96	-31.81	-46.59	-45.06	-12.34	-4.31	-3.56	-3.38	-9.16	-12.14
CRMS 0258	-66.24	-181.01	-126.68	-65.93	-75.96	-52.62	-56.20	-24.29	-52.78	-58.34	-46.28	-60.02
CRMS 0224	-79.74	-225.22	-132.55	-101.84	-124.52	-76.38	-40.07	-26.89	-61.63	-64.53	-51.57	-73.67
CRMS 0163	-6.21	-0.94	-0.19	-1.38	0.67	-4.97	-6.80	-18.73	-84.71	-7.10	-3.60	-1.68
CRMS 0162	-6.44	3.90	8.02	3.36	-1.23	-20.56	-4.56	-27.04	-14.86	-36.01	5.44	-7.68

Figure WQ SO4 148 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	111.26	139.84	98.71	88.71	88.44	71.75	64.97	52.30	72.37	75.72	121.12	147.88
CRMS0276 - Just east of Wilkinson Canal	332.40	93.39	91.83	75.66	80.68	61.60	117.90	183.65	213.49	320.13	399.88	361.62
Barataria Waterway at Lafitte (USACE82875)	92.14	16.57	15.66	14.06	19.86	12.78	18.42	30.83	31.76	80.85	158.86	93.15
USGS2928590900040000 Barataria Waterway South of Lafitte	163.77	173.93	109.71	87.36	86.91	65.91	73.79	68.91	108.92	120.28	188.19	221.54
USGS7380251 Barataria Bay North of Grand Isle	63.19	86.20	72.08	80.18	83.11	71.66	56.14	38.21	32.44	34.65	63.13	65.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	252.47	213.88	136.35	130.95	132.37	114.26	116.55	138.11	122.44	151.92	266.13	265.29
USGS 07380335 - Little Lake Near Cutoff	347.73	233.22	159.06	147.35	152.89	122.50	145.90	199.93	177.28	242.02	362.93	354.19
USGS073802516 Barataria Pass at Grand Isle	299.67	246.33	165.71	174.58	189.85	167.32	174.55	214.66	155.58	201.04	282.00	312.44
HWQ14 - Lake Washington	117.31	138.49	102.35	118.42	136.56	119.38	95.83	81.93	65.04	63.43	106.44	124.10
HWQ16 - Bayou Grand Liard	537.10	313.90	296.69	276.12	263.86	233.46	337.12	401.98	398.23	495.96	570.09	537.07
CRMS 3985	33.20	49.18	52.05	64.87	71.09	64.85	49.10	28.42	22.90	23.06	27.49	33.00
CRMS 0258	246.85	159.99	82.58	72.68	69.80	40.14	64.88	87.13	150.58	215.34	331.00	344.96
CRMS 0224	278.48	202.70	125.27	107.19	109.26	82.02	104.99	136.75	164.23	205.40	320.15	344.82
CRMS 0163	41.14	11.68	13.35	18.04	15.50	13.32	19.68	28.36	30.89	72.94	78.26	54.89
CRMS 0162	90.26	57.34	108.49	123.72	139.75	52.84	15.27	46.82	212.87	291.83	346.94	205.70

V3PR7 HYST - cy 3 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.39	11.77	12.05	12.46	13.19	14.77	16.89	18.00	19.58	17.75
CRMS0276 - Just east of Wilkinson Canal	172.33	60.56	45.55	43.61	46.23	27.23	29.04	84.52	191.93	303.15	384.81	339.49
Barataria Waterway at Lafitte (USACE82875)	83.31	18.26	16.00	14.16	20.05	12.87	18.11	27.50	26.74	71.15	145.61	87.78
USGS2928590900040000 Barataria Waterway South of Lafitte	13.15	10.96	12.36	11.70	12.05	12.38	13.06	15.06	40.05	53.32	93.15	79.49
USGS7380251 Barataria Bay North of Grand Isle	14.80	11.14	12.23	11.51	11.94	12.00	12.52	13.54	16.64	23.38	44.52	36.11
USGS73802515 Hackberry Bay Northwest of Grand Isle	20.67	11.14	12.47	11.70	12.25	12.19	12.80	30.71	82.30	123.07	210.72	167.05
USGS 07380335 - Little Lake Near Cutoff	45.71	13.50	13.76	12.32	13.40	12.29	12.95	54.28	138.24	218.46	315.18	276.75
USGS073802516 Barataria Pass at Grand Isle	42.98	15.01	14.09	13.91	18.05	13.80	13.85	62.81	121.16	189.41	251.10	239.11
HWQ14 - Lake Washington	24.39	12.66	11.63	11.70	15.18	11.20	10.72	17.06	43.52	56.48	88.53	79.12
HWQ16 - Bayou Grand Liard	314.97	92.64	106.55	78.06	95.39	97.63	176.05	293.33	370.38	485.47	550.09	501.51
CRMS 3985	17.55	12.14	11.90	11.29	11.85	11.28	11.65	12.22	13.21	17.38	26.54	25.70
CRMS 0258	39.25	13.66	13.03	13.08	15.22	12.19	12.55	21.43	107.47	191.06	299.78	288.24
CRMS 0224	30.29	12.57	12.79	12.34	14.03	12.22	12.75	27.60	110.40	177.14	287.04	269.58
CRMS 0163	42.53	12.27	13.66	18.76	15.79	13.47	18.72	26.45	27.53	61.49	78.67	50.63
CRMS 0162	101.79	68.40	124.22	136.37	140.88	51.32	15.10	42.55	191.87	235.07	352.14	180.30

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-98.62	-128.87	-86.32	-76.94	-76.39	-59.28	-51.78	-37.53	-55.48	-57.72	-101.54	-130.13
CRMS0276 - Just east of Wilkinson Canal	-160.08	-32.83	-46.28	-32.05	-34.45	-34.38	-88.85	-99.14	-21.56	-16.97	-15.07	-22.13
Barataria Waterway at Lafitte (USACE82875)	-8.83	1.69	0.34	0.10	0.19	0.09	-0.31	-3.33	-5.02	-9.70	-13.25	-5.37
USGS2928590900040000 Barataria Waterway South of Lafitte	-150.62	-162.96	-97.35	-75.66	-74.85	-53.53	-60.74	-53.85	-68.87	-66.96	-95.04	-142.05
USGS7380251 Barataria Bay North of Grand Isle	-48.39	-75.06	-59.84	-68.67	-71.17	-59.67	-43.63	-24.67	-15.79	-11.28	-18.60	-28.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	-231.80	-202.73	-123.88	-119.25	-120.12	-102.07	-103.75	-107.40	-40.14	-28.85	-55.41	-98.24
USGS 07380335 - Little Lake Near Cutoff	-302.02	-219.71	-145.30	-135.03	-139.49	-110.22	-132.95	-145.65	-39.04	-23.55	-47.75	-77.44
USGS073802516 Barataria Pass at Grand Isle	-256.69	-231.32	-151.62	-160.67	-171.80	-153.52	-160.70	-151.86	-34.42	-11.62	-30.90	-73.33
HWQ14 - Lake Washington	-92.92	-125.84	-90.72	-106.72	-121.39	-108.18	-85.11	-64.87	-21.52	-6.95	-17.91	-44.98
HWQ16 - Bayou Grand Liard	-222.13	-221.26	-190.14	-198.06	-168.46	-135.83	-161.07	-108.65	-27.85	-10.48	-20.00	-35.55
CRMS 3985	-15.65	-37.04	-40.15	-53.58	-59.24	-53.58	-37.45	-16.20	-9.69	-5.68	-0.95	-7.31
CRMS 0258	-207.60	-146.33	-69.55	-59.59	-54.59	-27.95	-52.33	-65.70	-43.11	-24.27	-31.22	-56.72
CRMS 0224	-248.19	-190.12	-112.48	-94.85	-95.23	-69.80	-92.25	-109.15	-53.83	-28.25	-33.11	-75.24
CRMS 0163	1.40	0.58	0.31	0.73	0.29	0.15	-0.97	-1.91	-3.36	-11.45	0.41	-4.26
CRMS 0162	11.53	11.05	15.73	12.65	1.13	-1.52	-0.17	-4.28	-21.00	-56.76	5.20	-25.39

Figure WQ SO4 149 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	97.22	147.52	116.90	93.97	74.53	54.32	53.43	54.95	83.96	84.61	135.15	148.45
CRMS0276 - Just east of Wilkinson Canal	260.75	335.23	177.46	67.30	41.95	31.01	95.93	200.34	238.11	341.73	409.25	187.49
Barataria Waterway at Lafitte (USACE82875)	99.53	89.77	26.16	13.03	13.04	11.58	16.83	38.21	34.56	95.56	158.91	34.86
USGS2928590900040000 Barataria Waterway South of Lafitte	130.75	207.56	176.48	88.62	66.00	45.75	58.92	70.81	126.70	132.65	206.14	214.21
USGS7380251 Barataria Bay North of Grand Isle	55.42	73.93	55.27	77.72	75.33	61.58	48.37	41.97	36.65	38.73	73.45	71.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	207.28	253.63	164.32	128.61	115.65	89.76	95.85	154.54	138.09	165.75	286.22	250.72
USGS 07380335 - Little Lake Near Cutoff	291.51	326.79	217.42	142.23	126.99	91.93	121.32	220.94	196.62	257.49	381.77	306.64
USGS073802516 Barataria Pass at Grand Isle	249.80	304.36	189.11	169.27	161.93	129.06	148.67	236.46	173.17	214.87	300.66	283.21
HWQ14 - Lake Washington	100.30	127.12	80.09	113.45	125.46	99.13	79.94	92.40	73.18	70.64	121.52	133.09
HWQ16 - Bayou Grand Liard	507.00	509.27	364.23	262.60	195.69	177.00	311.85	434.15	417.33	512.71	577.95	419.47
CRMS 3985	30.83	36.12	30.30	55.42	64.33	57.28	43.82	32.56	25.15	24.98	35.33	37.42
CRMS 0258	170.49	300.54	215.88	64.24	44.77	26.12	48.66	87.92	178.03	229.56	352.32	267.82
CRMS 0224	211.29	305.37	229.52	100.05	80.11	57.43	82.63	144.82	185.61	220.03	342.26	304.70
CRMS 0163	74.67	64.76	15.56	12.67	12.53	11.67	18.32	36.16	36.58	93.54	71.74	15.63
CRMS 0162	190.03	278.79	92.15	102.85	55.82	26.94	14.67	62.57	269.30	411.14	326.04	60.14

V3PR7 HYST - cy 3 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.19	18.40	11.86	11.36	12.46	11.61	13.06	15.70	17.47	19.25	19.38	11.94
CRMS0276 - Just east of Wilkinson Canal	184.48	313.96	136.00	39.25	20.66	15.45	25.21	140.26	222.73	337.56	397.76	144.82
Barataria Waterway at Lafitte (USACE82875)	83.45	85.88	29.08	13.21	13.43	11.69	16.00	33.43	32.08	91.43	147.48	40.92
USGS2928590900040000 Barataria Waterway South of Lafitte	17.75	56.71	13.29	11.34	12.44	11.56	12.92	18.71	51.66	57.06	92.21	12.14
USGS7380251 Barataria Bay North of Grand Isle	14.57	34.63	13.90	11.35	12.38	11.44	12.20	14.36	20.14	25.98	45.99	13.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	69.69	155.98	21.91	11.43	12.41	11.49	12.55	67.38	105.25	132.30	212.18	16.19
USGS 07380335 - Little Lake Near Cutoff	140.76	242.03	37.17	11.93	12.45	11.47	13.21	126.13	167.49	233.76	325.50	31.95
USGS073802516 Barataria Pass at Grand Isle	114.11	221.16	39.72	13.13	13.00	11.89	13.27	141.87	149.39	202.89	258.94	43.19
HWQ14 - Lake Washington	24.61	68.63	21.13	11.79	12.43	11.18	10.43	31.67	55.03	62.04	91.65	30.02
HWQ16 - Bayou Grand Liard	410.88	467.64	163.13	72.39	47.93	59.70	160.96	383.30	406.37	508.15	558.08	208.75
CRMS 3985	14.20	21.79	14.80	11.40	12.11	11.30	11.28	11.54	14.85	19.55	27.81	18.51
CRMS 0258	40.70	207.44	49.99	12.25	12.70	11.40	12.28	34.91	141.32	203.23	319.21	56.80
CRMS 0224	72.20	208.00	39.19	11.83	12.50	11.43	12.50	61.58	141.11	190.24	301.56	42.73
CRMS 0163	67.01	61.84	16.15	12.95	12.74	11.77	17.17	32.86	33.20	84.15	70.58	16.99
CRMS 0162	188.46	253.25	105.87	117.14	55.13	29.66	14.45	53.83	236.23	367.78	324.28	65.10

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-81.02	-129.12	-105.04	-82.61	-62.07	-42.72	-40.37	-39.25	-66.49	-65.36	-115.77	-136.51
CRMS0276 - Just east of Wilkinson Canal	-76.28	-21.27	-41.46	-28.05	-21.29	-15.57	-70.73	-60.09	-15.38	-4.18	-11.48	-42.67
Barataria Waterway at Lafitte (USACE82875)	-16.08	-3.88	2.92	0.18	0.39	0.12	-0.84	-4.78	-2.48	-4.13	-11.43	6.06
USGS2928590900040000 Barataria Waterway South of Lafitte	-113.01	-150.86	-163.20	-77.28	-53.56	-34.19	-46.00	-52.10	-75.04	-75.58	-113.93	-202.07
USGS7380251 Barataria Bay North of Grand Isle	-40.85	-39.30	-41.38	-66.37	-62.95	-50.14	-36.17	-27.61	-16.51	-12.75	-27.46	-57.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	-137.59	-97.65	-142.42	-117.19	-103.25	-78.27	-83.30	-87.17	-32.85	-33.45	-74.04	-234.54
USGS 07380335 - Little Lake Near Cutoff	-150.75	-84.76	-180.24	-130.29	-114.54	-80.45	-108.12	-94.81	-29.14	-23.73	-56.27	-274.68
USGS073802516 Barataria Pass at Grand Isle	-135.69	-83.21	-149.38	-156.14	-148.92	-117.17	-135.40	-94.59	-23.78	-11.99	-41.72	-240.03
HWQ14 - Lake Washington	-75.69	-58.49	-58.96	-101.66	-113.04	-87.96	-69.51	-60.73	-18.16	-8.60	-29.87	-103.07
HWQ16 - Bayou Grand Liard	-96.11	-41.62	-201.10	-190.21	-147.76	-117.31	-150.89	-50.85	-10.96	-4.56	-19.87	-210.73
CRMS 3985	-16.63	-14.33	-15.50	-44.03	-52.22	-45.98	-32.54	-21.02	-10.30	-5.43	-7.52	-18.92
CRMS 0258	-129.79	-93.11	-165.89	-51.99	-32.06	-14.72	-36.38	-53.01	-36.71	-26.33	-33.11	-211.03
CRMS 0224	-139.08	-97.37	-190.33	-88.23	-67.61	-46.01	-70.14	-83.23	-44.50	-29.80	-40.70	-261.97
CRMS 0163	-7.66	-2.91	0.59	0.28	0.22	0.10	-1.15	-3.30	-3.37	-9.39	-1.15	1.36
CRMS 0162	-1.57	-25.54	13.72	14.29	-0.69	2.72	-0.21	-8.74	-33.07	-43.36	-1.76	4.95

Figure WQ SO4 150 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	107.71	141.04	101.23	100.43	76.28	61.93	61.22	65.18	114.09	108.15	140.15	150.90
CRMS0276 - Just east of Wilkinson Canal	298.33	145.77	149.12	60.61	58.32	43.32	165.23	340.42	346.30	371.22	359.72	332.18
Barataria Waterway at Lafitte (USACE82875)	94.81	26.42	25.61	12.12	13.30	11.48	44.18	101.40	80.40	83.26	121.01	88.15
USGS2928590900040000 Barataria Waterway South of Lafitte	155.63	190.62	127.29	99.37	68.40	56.56	67.37	87.48	184.38	178.20	212.96	217.21
USGS7380251 Barataria Bay North of Grand Isle	59.44	77.09	61.82	83.65	79.12	65.26	52.09	41.08	42.85	44.79	75.04	69.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	241.45	231.26	145.86	138.27	118.80	100.19	115.73	213.83	194.48	202.37	279.54	256.27
USGS 07380335 - Little Lake Near Cutoff	334.34	269.39	184.76	150.37	133.86	104.73	167.08	337.97	276.72	301.73	367.09	337.78
USGS073802516 Barataria Pass at Grand Isle	285.10	268.50	176.09	179.82	168.75	144.30	188.69	328.65	237.40	254.19	294.71	302.25
HWQ14 - Lake Washington	111.61	130.10	89.46	123.87	127.51	107.06	86.31	97.23	92.35	86.01	121.99	128.47
HWQ16 - Bayou Grand Liard	530.72	368.90	350.25	263.01	222.39	198.07	428.78	590.08	512.91	535.34	548.60	523.37
CRMS 3985	30.10	41.17	38.83	62.35	69.20	60.08	45.56	28.42	26.62	27.29	36.25	34.96
CRMS 0258	227.49	209.49	118.52	73.41	48.45	34.67	65.71	139.45	285.27	314.30	339.65	318.64
CRMS 0224	262.70	248.00	158.56	110.75	86.24	70.29	104.39	212.15	277.31	283.01	335.76	321.83
CRMS 0163	59.94	14.84	18.81	11.98	12.01	11.95	57.70	91.22	88.85	67.82	49.30	44.00
CRMS 0162	117.91	88.71	145.42	86.46	106.84	41.59	48.02	272.99	496.24	284.92	231.92	167.50

V3PR8 HYST - cy 3 - 2002 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.44	12.15	14.04	11.00	11.27	11.75	16.29	18.42	19.29	18.40	18.28	16.51
CRMS0276 - Just east of Wilkinson Canal	219.22	120.85	131.35	43.77	31.21	21.96	115.12	325.95	342.01	379.05	373.28	347.03
Barataria Waterway at Lafitte (USACE82875)	99.26	49.21	38.42	15.78	15.91	12.26	49.09	145.29	95.26	95.79	106.90	108.24
USGS2928590900040000 Barataria Waterway South of Lafitte	15.54	12.12	13.84	10.99	11.26	11.66	14.94	31.94	88.22	75.78	105.37	67.49
USGS7380251 Barataria Bay North of Grand Isle	15.07	12.90	13.21	10.99	11.28	11.29	10.69	17.91	23.25	27.53	42.09	29.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	58.64	16.17	19.21	11.06	11.33	11.46	31.82	162.61	151.04	148.65	211.66	132.89
USGS 07380335 - Little Lake Near Cutoff	129.13	37.09	34.68	11.73	11.58	11.39	76.56	296.72	245.70	265.98	320.53	236.13
USGS073802516 Barataria Pass at Grand Isle	104.34	45.31	34.53	13.23	12.94	11.87	95.36	310.64	207.47	220.49	248.20	205.81
HWQ14 - Lake Washington	27.29	22.43	14.49	11.82	12.07	10.46	13.91	76.48	67.32	59.52	79.82	62.53
HWQ16 - Bayou Grand Liard	396.83	181.65	233.53	61.96	65.45	75.97	374.59	578.92	493.75	523.76	528.03	474.44
CRMS 3985	16.26	14.47	12.74	11.14	11.23	10.68	9.98	11.41	17.41	20.75	24.57	23.41
CRMS 0258	37.09	28.79	23.54	12.57	12.16	11.38	18.43	98.68	265.39	281.30	318.47	249.21
CRMS 0224	64.29	29.47	24.36	11.74	11.77	11.41	32.76	170.22	233.75	241.51	304.10	227.57
CRMS 0163	57.57	18.34	19.42	12.57	12.32	12.15	47.86	83.16	57.42	58.97	47.71	42.97
CRMS 0162	124.61	99.84	157.55	104.42	115.33	46.17	42.35	257.61	461.74	260.54	238.26	155.53

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-93.28	-128.88	-87.19	-89.43	-65.02	-50.18	-44.93	-46.76	-94.80	-89.75	-121.88	-134.39
CRMS0276 - Just east of Wilkinson Canal	-79.11	-24.92	-17.77	-16.85	-27.11	-21.36	-50.11	-14.47	-4.29	7.83	13.56	14.84
Barataria Waterway at Lafitte (USACE82875)	4.45	22.79	12.81	3.65	2.61	0.78	4.91	43.89	14.86	12.53	-14.11	20.08
USGS2928590900040000 Barataria Waterway South of Lafitte	-140.09	-178.50	-113.45	-88.38	-57.13	-44.90	-52.43	-55.55	-96.15	-102.42	-107.59	-149.72
USGS7380251 Barataria Bay North of Grand Isle	-44.37	-64.19	-48.61	-72.66	-67.85	-53.97	-41.40	-23.17	-19.60	-17.26	-32.94	-39.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	-182.82	-215.09	-126.65	-127.21	-107.47	-88.73	-83.91	-51.23	-43.44	-53.72	-67.88	-123.38
USGS 07380335 - Little Lake Near Cutoff	-205.21	-232.30	-150.09	-138.64	-122.28	-93.33	-90.52	-41.25	-31.02	-35.76	-46.56	-101.66
USGS073802516 Barataria Pass at Grand Isle	-180.76	-223.19	-141.56	-166.59	-155.81	-132.43	-93.33	-18.01	-29.93	-33.70	-46.51	-96.44
HWQ14 - Lake Washington	-84.32	-107.67	-74.96	-112.06	-115.44	-96.61	-72.41	-20.76	-25.04	-26.49	-42.16	-65.95
HWQ16 - Bayou Grand Liard	-133.89	-187.24	-116.72	-201.05	-156.94	-122.10	-54.19	-11.16	-19.16	-11.58	-20.57	-48.93
CRMS 3985	-13.84	-26.70	-26.09	-51.21	-57.97	-49.39	-35.58	-17.02	-9.21	-6.54	-11.67	-11.55
CRMS 0258	-190.39	-180.70	-94.98	-60.84	-36.29	-23.28	-47.28	-40.76	-19.88	-33.01	-21.18	-69.43
CRMS 0224	-198.41	-218.53	-134.20	-99.02	-74.47	-58.88	-71.64	-41.93	-43.56	-41.50	-31.66	-94.26
CRMS 0163	-2.37	3.51	0.61	0.59	0.30	0.20	-9.84	-8.06	-31.43	-8.85	-1.58	-1.03
CRMS 0162	6.70	11.13	12.13	17.96	8.49	4.57	-5.68	-15.38	-34.50	-24.38	6.34	-11.97

Figure WQ SO4 151 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	103.07	131.87	92.82	67.78	62.25	50.52	59.43	61.58	107.21	100.84	143.55	155.93
CRMS0276 - Just east of Wilkinson Canal	294.57	126.03	65.01	55.39	39.50	96.04	219.22	306.72	318.08	414.99	414.80	276.20
Barataria Waterway at Lafitte (USACE82875)	100.10	21.50	11.92	12.18	11.41	21.28	46.14	77.64	56.50	136.58	153.44	58.75
USGS2928590900040000 Barataria Waterway South of Lafitte	146.30	171.82	110.34	63.11	54.44	45.73	68.91	85.31	172.06	164.57	223.49	228.74
USGS7380251 Barataria Bay North of Grand Isle	60.19	75.78	60.16	64.78	66.04	55.03	47.74	37.40	39.35	42.50	76.17	72.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	231.12	213.18	124.22	103.96	100.48	89.37	133.72	198.25	179.78	198.62	298.13	263.06
USGS 07380335 - Little Lake Near Cutoff	320.45	246.78	143.25	117.29	112.34	104.97	199.99	303.36	255.93	305.75	397.29	333.93
USGS073802516 Barataria Pass at Grand Isle	276.76	252.05	149.60	142.71	143.97	147.93	223.39	303.83	220.37	254.84	312.23	301.71
HWQ14 - Lake Washington	110.04	126.39	88.25	96.93	110.30	91.91	89.03	95.20	86.46	82.63	125.38	135.24
HWQ16 - Bayou Grand Liard	529.76	346.48	254.48	238.59	188.43	268.99	469.36	540.21	488.38	561.79	586.24	484.51
CRMS 3985	33.39	41.85	39.30	53.25	58.31	51.04	39.98	25.47	24.71	26.39	35.98	38.53
CRMS 0258	200.86	177.05	85.20	50.87	37.27	35.36	81.47	138.11	258.65	298.26	383.39	292.15
CRMS 0224	244.37	218.63	121.64	79.20	69.32	66.00	126.53	199.77	254.12	271.94	365.04	327.69
CRMS 0163	60.51	13.41	11.13	11.56	11.18	31.77	50.36	72.74	61.04	134.71	62.95	27.31
CRMS 0162	119.84	78.84	58.76	86.51	65.72	81.79	23.16	188.76	430.82	513.37	305.69	99.87

V3PR8 HYST - cy 3 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.60	11.51	10.85	10.94	10.99	15.15	15.85	17.49	18.86	19.75	19.02	14.70
CRMS0276 - Just east of Wilkinson Canal	224.81	105.33	31.63	36.81	20.53	76.48	187.06	298.35	321.72	407.37	423.49	279.48
Barataria Waterway at Lafitte (USACE82875)	113.05	44.72	16.18	13.96	12.49	24.45	70.69	119.60	80.67	132.27	138.52	82.34
USGS2928590900040000 Barataria Waterway South of Lafitte	16.09	11.52	10.85	10.93	10.96	13.95	16.26	30.53	82.51	72.39	110.36	63.88
USGS7380251 Barataria Bay North of Grand Isle	15.47	11.65	10.83	10.88	10.94	10.70	11.18	19.94	23.33	26.70	43.36	25.87
USGS73802515 Hackberry Bay Northwest of Grand Isle	31.60	11.99	10.87	10.94	10.96	19.73	62.76	162.39	142.03	144.37	225.32	92.42
USGS 07380335 - Little Lake Near Cutoff	75.59	17.90	11.19	11.16	11.02	32.46	132.14	278.68	230.96	265.40	343.22	164.40
USGS073802516 Barataria Pass at Grand Isle	65.44	19.15	11.28	11.36	11.53	53.60	161.61	298.69	195.74	216.91	260.72	148.69
HWQ14 - Lake Washington	19.68	12.38	10.41	10.51	10.97	13.14	28.45	85.43	63.14	56.11	82.49	53.42
HWQ16 - Bayou Grand Liard	410.60	136.67	58.31	54.47	49.54	212.21	442.37	538.24	478.97	539.05	559.65	399.00
CRMS 3985	14.95	11.58	10.67	10.62	10.80	10.09	9.50	11.84	17.39	20.55	24.96	22.10
CRMS 0258	42.62	18.15	11.04	11.53	11.22	15.23	37.63	100.81	244.86	268.37	349.59	173.14
CRMS 0224	41.47	16.02	10.94	11.19	11.06	18.35	67.39	166.85	218.14	233.20	325.48	167.40
CRMS 0163	60.79	16.27	11.41	11.77	11.24	27.54	44.96	67.25	45.37	95.18	62.29	30.17
CRMS 0162	128.14	90.82	73.07	99.20	75.49	80.79	21.68	167.39	399.53	457.20	305.57	91.50

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-88.47	-120.36	-81.97	-56.85	-51.26	-35.37	-43.58	-44.08	-88.36	-81.08	-124.53	-141.23
CRMS0276 - Just east of Wilkinson Canal	-69.76	-20.69	-33.38	-18.58	-18.97	-19.56	-32.16	-8.37	3.64	-7.63	8.69	3.28
Barataria Waterway at Lafitte (USACE82875)	12.95	23.21	4.26	1.78	1.08	3.17	24.55	41.96	24.17	-4.31	-14.93	23.60
USGS2928590900040000 Barataria Waterway South of Lafitte	-130.20	-160.29	-99.49	-52.18	-43.47	-31.78	-52.65	-54.78	-89.55	-92.17	-113.14	-164.86
USGS7380251 Barataria Bay North of Grand Isle	-44.73	-64.13	-49.33	-53.90	-55.10	-44.34	-36.56	-17.46	-16.02	-15.79	-32.81	-47.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-199.52	-201.18	-113.35	-93.01	-89.52	-69.63	-70.97	-35.87	-37.75	-54.25	-72.81	-170.64
USGS 07380335 - Little Lake Near Cutoff	-244.86	-228.88	-132.06	-106.13	-101.32	-72.51	-67.85	-24.68	-24.97	-40.35	-54.06	-169.53
USGS073802516 Barataria Pass at Grand Isle	-211.32	-232.91	-138.32	-131.36	-132.44	-94.33	-61.78	-5.14	-24.63	-37.93	-51.51	-153.03
HWQ14 - Lake Washington	-90.36	-114.01	-77.84	-86.41	-99.32	-78.77	-60.59	-9.77	-23.33	-26.52	-42.88	-81.82
HWQ16 - Bayou Grand Liard	-119.16	-209.81	-196.17	-184.12	-138.90	-56.78	-26.98	-1.97	-9.41	-22.74	-26.59	-85.51
CRMS 3985	-18.45	-30.27	-28.63	-42.63	-47.52	-40.95	-30.48	-13.63	-7.32	-5.84	-11.02	-16.44
CRMS 0258	-158.24	-158.90	-74.16	-39.33	-26.05	-20.13	-43.84	-37.29	-13.79	-29.89	-33.80	-119.01
CRMS 0224	-202.90	-202.61	-110.70	-68.01	-58.26	-47.64	-59.15	-32.92	-35.98	-38.74	-39.56	-160.29
CRMS 0163	0.28	2.86	0.28	0.21	0.05	-4.23	-5.40	-5.49	-15.67	-39.52	-0.66	2.86
CRMS 0162	8.30	11.99	14.31	12.69	9.77	-0.99	-1.48	-21.37	-31.29	-56.17	-0.12	-8.37

Figure WQ SO4 152 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	105.34	155.15	109.77	124.49	130.63	101.93	66.36	58.36	119.43	121.49	139.03	136.97
CRMS0276 - Just east of Wilkinson Canal	387.72	213.94	234.50	164.02	146.88	211.07	298.93	396.72	406.47	392.86	345.93	279.28
Barataria Waterway at Lafitte (USACE82875)	172.24	46.08	43.45	32.73	34.44	40.44	98.26	139.30	237.51	96.58	111.60	68.45
USGS2928590900040000 Barataria Waterway South of Lafitte	150.03	211.19	155.60	137.75	140.84	110.93	85.36	84.30	201.75	203.93	211.91	194.93
USGS7380251 Barataria Bay North of Grand Isle	57.94	83.48	54.27	79.43	93.13	78.03	41.17	33.17	41.10	48.03	75.94	65.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	251.46	258.20	155.54	162.75	168.11	147.20	133.50	230.69	216.34	228.09	281.66	234.13
USGS 07380335 - Little Lake Near Cutoff	365.28	307.69	215.53	199.81	201.46	178.27	228.69	373.76	316.42	333.80	368.23	306.30
USGS073802516 Barataria Pass at Grand Isle	302.00	302.20	188.11	215.01	237.37	230.80	238.85	355.82	262.10	278.80	299.18	278.85
HWQ14 - Lake Washington	108.94	142.91	77.82	118.65	151.47	133.45	75.72	89.79	94.28	94.87	125.80	120.86
HWQ16 - Bayou Grand Liard	601.81	441.20	421.74	365.66	341.99	380.38	556.79	634.66	555.43	555.11	542.57	479.85
CRMS 3985	31.81	43.66	31.38	48.07	66.29	64.77	30.79	22.71	24.74	27.67	37.26	36.43
CRMS 0258	236.26	245.67	207.48	127.45	122.84	119.66	127.59	154.28	340.12	353.22	320.35	258.32
CRMS 0224	267.00	283.87	209.20	164.44	166.04	142.59	150.15	233.14	315.81	320.39	337.08	290.47
CRMS 0163	112.89	32.42	27.52	36.81	26.11	59.87	110.30	135.79	252.60	78.88	44.18	41.56
CRMS 0162	236.98	121.18	199.17	234.63	227.20	216.63	218.47	432.57	626.60	358.39	194.39	104.93

V3PR8 HYST - cy 3 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	18.05	14.48	15.72	15.77	14.54	17.25	18.83	19.20	20.09	18.98	17.29	16.40
CRMS0276 - Just east of Wilkinson Canal	373.48	205.68	228.95	163.52	144.78	193.17	289.39	416.37	402.43	402.41	355.70	292.99
Barataria Waterway at Lafitte (USACE82875)	173.79	75.80	64.42	42.47	46.73	59.49	150.59	226.21	166.72	110.74	102.70	80.47
USGS2928590900040000 Barataria Waterway South of Lafitte	48.28	14.66	22.16	24.37	14.99	24.34	20.96	35.02	100.06	85.48	104.10	74.56
USGS7380251 Barataria Bay North of Grand Isle	27.20	15.44	16.03	17.79	17.93	20.77	21.10	22.74	25.53	30.43	42.21	30.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	140.03	28.69	48.50	51.39	23.91	61.56	103.65	181.46	165.14	165.03	215.03	142.43
USGS 07380335 - Little Lake Near Cutoff	274.20	74.55	98.26	88.82	39.21	97.32	206.45	342.16	275.60	291.56	321.62	241.32
USGS073802516 Barataria Pass at Grand Isle	224.19	84.03	86.70	97.06	72.08	143.83	238.44	350.67	226.82	239.50	250.46	208.08
HWQ14 - Lake Washington	52.88	28.43	26.53	34.88	43.07	52.02	56.28	80.90	67.95	64.86	81.09	62.02
HWQ16 - Bayou Grand Liard	577.60	330.46	346.71	291.42	239.06	342.00	556.62	641.87	545.32	547.38	521.03	460.32
CRMS 3985	20.08	15.84	13.30	14.03	18.51	18.59	17.44	17.45	19.80	22.53	24.96	22.89
CRMS 0258	178.13	60.79	85.45	69.18	49.40	76.60	75.57	137.14	312.59	311.62	292.83	215.06
CRMS 0224	191.45	57.76	80.16	68.04	43.88	72.49	114.98	209.02	262.77	267.88	303.51	230.30
CRMS 0163	104.77	32.27	27.25	32.89	25.38	50.39	101.14	117.24	136.71	69.25	42.46	38.03
CRMS 0162	236.52	128.83	218.67	236.99	221.96	173.12	202.00	406.54	602.26	319.56	197.18	101.57

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-87.28	-140.67	-94.06	-108.72	-116.09	-84.68	-47.53	-39.17	-99.34	-102.50	-121.75	-120.57
CRMS0276 - Just east of Wilkinson Canal	-14.24	-8.27	-5.56	-0.50	-2.10	-17.90	-9.55	19.65	-4.04	9.55	9.76	13.71
Barataria Waterway at Lafitte (USACE82875)	1.54	29.73	20.97	9.74	12.29	19.05	52.33	86.91	-70.79	14.16	-8.90	12.01
USGS2928590900040000 Barataria Waterway South of Lafitte	-101.75	-196.54	-133.44	-113.38	-125.85	-86.59	-64.40	-49.29	-101.69	-118.45	-107.82	-120.37
USGS7380251 Barataria Bay North of Grand Isle	-30.74	-68.04	-38.24	-61.64	-75.19	-57.26	-20.07	-10.44	-15.57	-17.59	-33.73	-35.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	-111.43	-229.51	-107.04	-111.36	-144.20	-85.64	-29.84	-49.23	-51.21	-63.05	-66.63	-91.71
USGS 07380335 - Little Lake Near Cutoff	-91.08	-233.14	-117.27	-110.99	-162.24	-80.94	-22.24	-31.60	-40.82	-42.24	-46.60	-64.97
USGS073802516 Barataria Pass at Grand Isle	-77.81	-218.18	-101.41	-117.94	-165.30	-86.97	-0.40	-5.15	-35.28	-39.30	-48.72	-70.77
HWQ14 - Lake Washington	-56.06	-114.48	-51.30	-83.76	-108.40	-81.44	-19.44	-8.89	-26.32	-30.01	-44.71	-58.84
HWQ16 - Bayou Grand Liard	-24.21	-110.74	-75.04	-74.24	-102.93	-38.39	-0.17	7.21	-10.11	-7.73	-21.55	-19.53
CRMS 3985	-11.73	-27.82	-18.08	-34.03	-47.77	-46.18	-13.35	-5.26	-4.94	-5.15	-12.30	-13.54
CRMS 0258	-58.13	-184.88	-122.03	-58.27	-73.44	-43.06	-52.02	-17.14	-27.53	-41.60	-27.52	-43.26
CRMS 0224	-75.55	-226.11	-129.04	-96.40	-122.15	-70.10	-35.17	-24.12	-53.04	-52.51	-33.57	-60.17
CRMS 0163	-8.12	-0.15	-0.27	-3.92	-0.73	-9.49	-9.15	-18.55	-115.90	-9.63	-1.72	-3.54
CRMS 0162	-0.46	7.65	19.50	2.36	-5.25	-43.51	-16.46	-26.03	-24.34	-38.83	2.80	-3.36

Figure WQ SO4 153 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	111.26	139.84	98.71	88.71	88.44	71.75	64.97	52.30	72.37	75.72	121.12	147.88
CRMS0276 - Just east of Wilkinson Canal	332.40	93.39	91.83	75.66	80.68	61.60	117.90	183.65	213.49	320.13	399.88	361.62
Barataria Waterway at Lafitte (USACE82875)	92.14	16.57	15.66	14.06	19.86	12.78	18.42	30.83	31.76	80.85	158.86	93.15
USGS2928590900040000 Barataria Waterway South of Lafitte	163.77	173.93	109.71	87.36	86.91	65.91	73.79	68.91	108.92	120.28	188.19	221.54
USGS7380251 Barataria Bay North of Grand Isle	63.19	86.20	72.08	80.18	83.11	71.66	56.14	38.21	32.44	34.65	63.13	65.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	252.47	213.88	136.35	130.95	132.37	114.26	116.55	138.11	122.44	151.92	266.13	265.29
USGS 07380335 - Little Lake Near Cutoff	347.73	233.22	159.06	147.35	152.89	122.50	145.90	199.93	177.28	242.02	362.93	354.19
USGS073802516 Barataria Pass at Grand Isle	299.67	246.33	165.71	174.58	189.85	167.32	174.55	214.66	155.58	201.04	282.00	312.44
HWQ14 - Lake Washington	117.31	138.49	102.35	118.42	136.56	119.38	95.83	81.93	65.04	63.43	106.44	124.10
HWQ16 - Bayou Grand Liard	537.10	313.90	296.69	276.12	263.86	233.46	337.12	401.98	398.23	495.96	570.09	537.07
CRMS 3985	33.20	49.18	52.05	64.87	71.09	64.85	49.10	28.42	22.90	23.06	27.49	33.00
CRMS 0258	246.85	159.99	82.58	72.68	69.80	40.14	64.88	87.13	150.58	215.34	331.00	344.96
CRMS 0224	278.48	202.70	125.27	107.19	109.26	82.02	104.99	136.75	164.23	205.40	320.15	344.82
CRMS 0163	41.14	11.68	13.35	18.04	15.50	13.32	19.68	28.36	30.89	72.94	78.26	54.89
CRMS 0162	90.26	57.34	108.49	123.72	139.75	52.84	15.27	46.82	212.87	291.83	346.94	205.70

V3PR8 HYST - cy 3 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.39	11.77	12.05	12.47	13.19	14.78	16.99	18.07	19.77	17.62
CRMS0276 - Just east of Wilkinson Canal	182.70	72.29	48.25	50.67	51.20	29.01	30.15	95.31	218.02	329.49	408.81	376.47
Barataria Waterway at Lafitte (USACE82875)	100.30	30.69	20.47	17.15	25.00	14.73	24.92	41.92	40.94	83.75	134.81	113.64
USGS2928590900040000 Barataria Waterway South of Lafitte	13.15	10.96	12.36	11.71	12.05	12.39	13.07	15.37	46.50	59.55	98.66	84.32
USGS7380251 Barataria Bay North of Grand Isle	14.34	11.10	12.20	11.49	11.92	11.98	12.48	13.50	16.68	22.80	40.27	31.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	19.79	11.09	12.41	11.71	12.24	12.22	12.84	31.81	88.97	124.52	209.37	163.94
USGS 07380335 - Little Lake Near Cutoff	44.05	13.39	13.53	12.30	13.45	12.29	13.01	60.13	154.11	227.68	320.72	282.35
USGS073802516 Barataria Pass at Grand Isle	40.07	14.75	13.90	14.13	18.21	13.82	13.83	66.80	131.25	191.74	247.04	237.30
HWQ14 - Lake Washington	21.67	12.25	11.48	11.55	14.80	11.16	10.67	16.92	43.38	52.41	78.07	66.20
HWQ16 - Bayou Grand Liard	313.13	95.84	106.18	82.87	100.73	103.39	180.57	311.47	387.18	487.94	550.81	512.82
CRMS 3985	16.29	11.95	11.77	11.23	11.79	11.21	11.57	12.12	13.10	16.94	22.03	21.71
CRMS 0258	38.26	13.44	13.02	13.06	15.58	12.30	12.60	23.10	125.64	209.99	309.98	297.21
CRMS 0224	29.83	12.40	12.73	12.27	14.20	12.25	12.76	29.69	124.84	190.45	296.08	277.28
CRMS 0163	47.36	12.94	13.87	19.97	17.01	13.86	19.37	25.57	26.11	57.45	75.02	48.26
CRMS 0162	103.18	68.21	133.16	136.50	148.24	53.09	14.99	40.44	200.10	247.82	350.90	182.74

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-98.62	-128.87	-86.32	-76.94	-76.39	-59.28	-51.78	-37.53	-55.38	-57.65	-101.35	-130.26
CRMS0276 - Just east of Wilkinson Canal	-149.70	-21.10	-43.58	-24.98	-29.48	-32.60	-87.75	-88.34	4.53	9.36	8.93	14.85
Barataria Waterway at Lafitte (USACE82875)	8.16	14.12	4.81	3.09	5.14	1.95	6.51	11.10	9.17	2.90	-24.05	20.49
USGS2928590900040000 Barataria Waterway South of Lafitte	-150.62	-162.97	-97.34	-75.65	-74.86	-53.52	-60.72	-53.54	-62.41	-60.73	-89.53	-137.22
USGS7380251 Barataria Bay North of Grand Isle	-48.85	-75.10	-59.88	-68.69	-71.20	-59.68	-43.66	-24.71	-15.76	-11.85	-22.86	-33.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	-232.68	-202.79	-123.94	-119.24	-120.13	-102.04	-103.70	-106.30	-33.47	-27.40	-56.76	-101.36
USGS 07380335 - Little Lake Near Cutoff	-303.68	-219.82	-145.53	-135.05	-139.44	-110.21	-132.89	-139.80	-23.17	-14.34	-42.21	-71.84
USGS073802516 Barataria Pass at Grand Isle	-259.59	-231.58	-151.82	-160.45	-171.64	-153.50	-160.73	-147.87	-24.33	-9.29	-34.96	-75.15
HWQ14 - Lake Washington	-95.64	-126.24	-90.88	-106.88	-121.77	-108.22	-85.16	-65.01	-21.66	-11.02	-28.38	-57.90
HWQ16 - Bayou Grand Liard	-223.97	-218.06	-190.51	-193.25	-163.12	-130.07	-156.55	-90.51	-11.05	-8.02	-19.28	-24.25
CRMS 3985	-16.91	-37.23	-40.28	-53.65	-59.30	-53.64	-37.53	-16.30	-9.81	-6.12	-5.46	-11.30
CRMS 0258	-208.59	-146.55	-69.56	-59.62	-54.22	-27.84	-52.28	-64.03	-24.95	-5.34	-21.02	-47.75
CRMS 0224	-248.65	-190.30	-112.54	-94.92	-95.06	-69.77	-92.23	-107.06	-39.39	-14.94	-24.08	-67.54
CRMS 0163	6.22	1.26	0.52	1.94	1.50	0.53	-0.31	-2.79	-4.77	-15.48	-3.24	-6.62
CRMS 0162	12.91	10.87	24.67	12.78	8.49	0.25	-0.28	-6.38	-12.77	-44.01	3.95	-22.96

Figure WQ SO4 154 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	97.22	147.52	116.90	93.97	74.53	54.32	53.43	54.95	83.96	84.61	135.15	148.45
CRMS0276 - Just east of Wilkinson Canal	260.75	335.23	177.46	67.30	41.95	31.01	95.93	200.34	238.11	341.73	409.25	187.49
Barataria Waterway at Lafitte (USACE82875)	99.53	89.77	26.16	13.03	13.04	11.58	16.83	38.21	34.56	95.56	158.91	34.86
USGS2928590900040000 Barataria Waterway South of Lafitte	130.75	207.56	176.48	88.62	66.00	45.75	58.92	70.81	126.70	132.65	206.14	214.21
USGS7380251 Barataria Bay North of Grand Isle	55.42	73.93	55.27	77.72	75.33	61.58	48.37	41.97	36.65	38.73	73.45	71.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	207.28	253.63	164.32	128.61	115.65	89.76	95.85	154.54	138.09	165.75	286.22	250.72
USGS 07380335 - Little Lake Near Cutoff	291.51	326.79	217.42	142.23	126.99	91.93	121.32	220.94	196.62	257.49	381.77	306.64
USGS073802516 Barataria Pass at Grand Isle	249.80	304.36	189.11	169.27	161.93	129.06	148.67	236.46	173.17	214.87	300.66	283.21
HWQ14 - Lake Washington	100.30	127.12	80.09	113.45	125.46	99.13	79.94	92.40	73.18	70.64	121.52	133.09
HWQ16 - Bayou Grand Liard	507.00	509.27	364.23	262.60	195.69	177.00	311.85	434.15	417.33	512.71	577.95	419.47
CRMS 3985	30.83	36.12	30.30	55.42	64.33	57.28	43.82	32.56	25.15	24.98	35.33	37.42
CRMS 0258	170.49	300.54	215.88	64.24	44.77	26.12	48.66	87.92	178.03	229.56	352.32	267.82
CRMS 0224	211.29	305.37	229.52	100.05	80.11	57.43	82.63	144.82	185.61	220.03	342.26	304.70
CRMS 0163	74.67	64.76	15.56	12.67	12.53	11.67	18.32	36.16	36.58	93.54	71.74	15.63
CRMS 0162	190.03	278.79	92.15	102.85	55.82	26.94	14.67	62.57	269.30	411.14	326.04	60.14

V3PR8 HYST - cy 3 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.16	18.33	11.86	11.36	12.46	11.61	13.06	15.70	17.45	19.28	19.45	11.93
CRMS0276 - Just east of Wilkinson Canal	201.74	340.07	151.12	46.47	22.37	15.97	25.75	148.64	240.56	348.72	428.84	164.83
Barataria Waterway at Lafitte (USACE82875)	92.92	111.89	53.96	16.41	14.57	12.13	18.93	47.80	50.29	103.84	146.80	66.03
USGS2928590900040000 Barataria Waterway South of Lafitte	17.75	59.93	13.25	11.35	12.44	11.57	12.93	19.24	57.51	62.98	98.18	12.09
USGS7380251 Barataria Bay North of Grand Isle	13.81	32.29	13.73	11.34	12.39	11.43	12.17	14.14	18.96	24.69	41.44	13.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	68.57	158.69	21.37	11.42	12.41	11.50	12.60	66.78	108.22	131.91	212.77	15.47
USGS 07380335 - Little Lake Near Cutoff	146.40	251.16	37.32	11.89	12.48	11.48	13.11	129.98	178.70	238.35	334.66	33.18
USGS073802516 Barataria Pass at Grand Isle	116.85	225.91	39.04	13.16	12.99	11.87	13.10	144.71	153.20	202.41	258.53	42.62
HWQ14 - Lake Washington	21.88	63.13	19.76	11.68	12.36	11.15	10.42	30.43	49.96	56.06	82.85	26.58
HWQ16 - Bayou Grand Liard	429.17	474.92	167.45	72.75	48.52	61.45	164.92	392.53	410.67	504.87	566.42	220.11
CRMS 3985	13.47	19.94	14.48	11.36	12.11	11.29	11.23	11.41	14.10	18.35	23.37	16.96
CRMS 0258	44.59	217.78	47.82	12.39	12.81	11.41	12.33	37.43	159.53	215.57	328.23	51.47
CRMS 0224	74.45	217.46	39.03	11.83	12.55	11.43	12.51	63.59	152.13	199.33	311.03	41.22
CRMS 0163	65.04	56.94	17.43	12.90	12.83	11.84	17.21	31.33	29.97	77.87	72.17	19.30
CRMS 0162	185.40	249.93	113.53	121.49	55.77	31.71	14.56	52.34	258.03	384.09	321.46	65.17

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-81.05	-129.18	-105.04	-82.61	-62.07	-42.72	-40.37	-39.25	-66.51	-65.33	-115.70	-136.51
CRMS0276 - Just east of Wilkinson Canal	-59.01	4.83	-26.35	-20.84	-19.58	-15.04	-70.19	-51.70	2.45	6.99	19.60	-22.66
Barataria Waterway at Lafitte (USACE82875)	-6.61	22.13	27.80	3.37	1.52	0.55	2.10	9.59	15.74	8.28	-12.11	31.17
USGS2928590900040000 Barataria Waterway South of Lafitte	-113.00	-147.63	-163.23	-77.28	-53.56	-34.18	-45.99	-51.58	-69.19	-69.67	-107.96	-202.12
USGS7380251 Barataria Bay North of Grand Isle	-41.60	-41.64	-41.54	-66.38	-62.94	-50.15	-36.20	-27.83	-17.69	-14.04	-32.01	-57.62
USGS73802515 Hackberry Bay Northwest of Grand Isle	-138.71	-94.94	-142.95	-117.20	-103.24	-78.27	-83.25	-87.77	-29.87	-33.84	-73.45	-235.25
USGS 07380335 - Little Lake Near Cutoff	-145.11	-75.63	-180.10	-130.34	-114.51	-80.45	-108.21	-90.97	-17.92	-19.14	-47.10	-273.46
USGS073802516 Barataria Pass at Grand Isle	-132.94	-78.46	-150.06	-156.11	-148.93	-117.19	-135.57	-91.76	-19.97	-12.46	-42.13	-240.59
HWQ14 - Lake Washington	-78.41	-63.99	-60.33	-101.77	-113.11	-87.98	-69.52	-61.97	-23.22	-14.58	-38.67	-106.50
HWQ16 - Bayou Grand Liard	-77.82	-34.35	-196.77	-189.84	-147.18	-115.56	-146.93	-41.61	-6.66	-7.85	-11.53	-199.37
CRMS 3985	-17.36	-16.18	-15.82	-44.07	-52.22	-45.99	-32.60	-21.16	-11.06	-6.63	-11.96	-20.46
CRMS 0258	-125.91	-82.77	-168.05	-51.85	-31.95	-14.71	-36.33	-50.48	-18.49	-14.00	-24.08	-216.35
CRMS 0224	-136.84	-87.91	-190.49	-88.22	-67.57	-46.00	-70.12	-81.23	-33.47	-20.70	-31.23	-263.48
CRMS 0163	-9.63	-7.82	1.86	0.23	0.30	0.17	-1.11	-4.82	-6.61	-15.67	0.43	3.67
CRMS 0162	-4.63	-28.86	21.38	18.64	-0.06	4.77	-0.10	-10.23	-11.27	-27.05	-4.58	5.03

Figure WQ SO4 155 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 3 - 2002 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	107.71	141.04	101.23	100.43	76.28	61.93	61.22	65.18	114.09	108.15	140.15	150.90
CRMS0276 - Just east of Wilkinson Canal	298.33	145.77	149.12	60.61	58.32	43.32	165.23	340.42	346.30	371.22	359.72	332.18
Barataria Waterway at Lafitte (USACE82875)	94.81	26.42	25.61	12.12	13.30	11.48	44.18	101.40	80.40	83.26	121.01	88.15
USGS2928590900040000 Barataria Waterway South of Lafitte	155.63	190.62	127.29	99.37	68.40	56.56	67.37	87.48	184.38	178.20	212.96	217.21
USGS7380251 Barataria Bay North of Grand Isle	59.44	77.09	61.82	83.65	79.12	65.26	52.09	41.08	42.85	44.79	75.04	69.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	241.45	231.26	145.86	138.27	118.80	100.19	115.73	213.83	194.48	202.37	279.54	256.27
USGS 07380335 - Little Lake Near Cutoff	334.34	269.39	184.76	150.37	133.86	104.73	167.08	337.97	276.72	301.73	367.09	337.78
USGS073802516 Barataria Pass at Grand Isle	285.10	268.50	176.09	179.82	168.75	144.30	188.69	328.65	237.40	254.19	294.71	302.25
HWQ14 - Lake Washington	111.61	130.10	89.46	123.87	127.51	107.06	86.31	97.23	92.35	86.01	121.99	128.47
HWQ16 - Bayou Grand Liard	530.72	368.90	350.25	263.01	222.39	198.07	428.78	590.08	512.91	535.34	548.60	523.37
CRMS 3985	30.10	41.17	38.83	62.35	69.20	60.08	45.56	28.42	26.62	27.29	36.25	34.96
CRMS 0258	227.49	209.49	118.52	73.41	48.45	34.67	65.71	139.45	285.27	314.30	339.65	318.64
CRMS 0224	262.70	248.00	158.56	110.75	86.24	70.29	104.39	212.15	277.31	283.01	335.76	321.83
CRMS 0163	59.94	14.84	18.81	11.98	12.01	11.95	57.70	91.22	88.85	67.82	49.30	44.00
CRMS 0162	117.91	88.71	145.42	86.46	106.84	41.59	48.02	272.99	496.24	284.92	231.92	167.50

V3PR9 HYST - cy 3 - 2002 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	103.17	139.88	90.28	100.08	80.83	65.85	60.51	60.90	107.47	104.86	137.33	147.05
CRMS0276 - Just east of Wilkinson Canal	327.23	182.76	182.90	76.89	74.94	56.98	176.77	349.81	372.15	415.70	390.32	365.84
Barataria Waterway at Lafitte (USACE82875)	112.66	48.68	41.51	15.25	16.53	12.36	60.10	165.37	119.58	115.39	117.84	116.77
USGS2928590900040000 Barataria Waterway South of Lafitte	153.81	196.08	127.39	110.32	78.31	64.75	69.12	83.98	181.56	181.78	215.83	218.32
USGS7380251 Barataria Bay North of Grand Isle	55.88	75.02	47.53	68.42	73.10	61.85	48.76	37.77	39.61	42.43	74.37	66.93
USGS73802515 Hackberry Bay Northwest of Grand Isle	245.39	242.84	136.33	133.47	122.32	105.70	118.05	204.90	193.50	206.20	291.86	261.97
USGS 07380335 - Little Lake Near Cutoff	344.26	289.32	185.31	153.27	142.57	114.68	172.16	334.43	282.50	315.62	383.54	346.90
USGS073802516 Barataria Pass at Grand Isle	286.83	279.28	164.58	173.68	175.96	154.41	191.86	318.71	235.19	258.53	304.02	306.56
HWQ14 - Lake Washington	100.04	122.02	65.58	99.68	116.96	101.49	78.80	80.92	81.54	78.15	118.47	117.46
HWQ16 - Bayou Grand Liard	545.35	392.05	366.60	278.57	245.20	217.97	434.54	584.05	513.17	547.76	555.13	527.78
CRMS 3985	27.52	37.88	28.28	43.82	58.48	54.80	41.55	26.24	24.63	25.40	34.85	32.64
CRMS 0258	236.91	235.17	138.29	91.04	61.09	44.37	71.49	139.58	315.25	342.33	365.99	337.74
CRMS 0224	269.34	272.13	170.42	125.24	99.07	81.72	109.77	211.64	287.46	298.51	354.77	333.89
CRMS 0163	66.65	16.35	19.39	12.21	12.28	12.07	57.57	88.34	84.32	69.84	53.80	46.04
CRMS 0162	124.44	96.98	158.38	97.78	129.75	44.84	44.61	275.18	496.10	280.12	245.61	168.42

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-4.54	-1.15	-10.96	-0.35	4.55	3.92	-0.71	-4.28	-6.61	-3.29	-2.82	-3.85
CRMS0276 - Just east of Wilkinson Canal	28.90	36.99	33.78	16.28	16.62	13.67	11.54	9.39	25.86	44.48	30.59	33.65
Barataria Waterway at Lafitte (USACE82875)	17.85	22.27	15.90	3.12	3.23	0.88	15.92	63.96	39.18	32.13	-3.16	28.62
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.82	5.46	0.10	10.95	9.91	8.19	1.75	-3.51	-2.82	3.57	2.87	1.11
USGS7380251 Barataria Bay North of Grand Isle	-3.56	-2.07	-14.29	-15.23	-6.03	-3.40	-3.32	-3.30	-3.25	-2.37	-0.66	-2.35
USGS73802515 Hackberry Bay Northwest of Grand Isle	3.94	11.58	-9.53	-4.80	3.51	5.51	2.32	-8.94	-0.98	3.83	12.32	5.70
USGS 07380335 - Little Lake Near Cutoff	9.92	19.93	0.54	2.90	8.71	9.95	5.08	-3.54	5.78	13.89	16.45	9.11
USGS073802516 Barataria Pass at Grand Isle	1.73	10.77	-11.51	-6.14	7.21	10.10	3.18	-9.94	-2.20	4.34	9.30	4.32
HWQ14 - Lake Washington	-11.57	-8.08	-23.88	-24.20	-10.55	-5.58	-7.52	-16.32	-10.81	-7.86	-3.51	-11.02
HWQ16 - Bayou Grand Liard	14.63	23.15	16.34	15.56	22.81	19.91	5.76	-6.03	0.26	12.41	6.53	4.42
CRMS 3985	-2.58	-3.29	-10.55	-18.54	-10.71	-5.28	-4.02	-2.18	-2.00	-1.89	-1.39	-2.31
CRMS 0258	9.42	25.68	19.77	17.63	12.63	9.70	5.78	0.13	29.98	28.03	26.34	19.11
CRMS 0224	6.63	24.13	11.86	14.48	12.83	11.43	5.38	-0.51	10.15	15.50	19.01	12.06
CRMS 0163	6.71	1.51	0.57	0.23	0.26	0.12	-0.14	-2.87	-4.54	2.03	4.51	2.04
CRMS 0162	6.53	8.27	12.96	11.32	22.91	3.25	-3.41	2.20	-0.13	-4.80	13.69	0.91

Figure WQ SO4 156 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2002 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	103.07	131.87	92.82	67.78	62.25	50.52	59.43	61.58	107.21	100.84	143.55	155.93
CRMS0276 - Just east of Wilkinson Canal	294.57	126.03	65.01	55.39	39.50	96.04	219.22	306.72	318.08	414.99	414.80	276.20
Barataria Waterway at Lafitte (USACE82875)	100.10	21.50	11.92	12.18	11.41	21.28	46.14	77.64	56.50	136.58	153.44	58.75
USGS2928590900040000 Barataria Waterway South of Lafitte	146.30	171.82	110.34	63.11	54.44	45.73	68.91	85.31	172.06	164.57	223.49	228.74
USGS7380251 Barataria Bay North of Grand Isle	60.19	75.78	60.16	64.78	66.04	55.03	47.74	37.40	39.35	42.50	76.17	72.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	231.12	213.18	124.22	103.96	100.48	89.37	133.72	198.25	179.78	198.62	298.13	263.06
USGS 07380335 - Little Lake Near Cutoff	320.45	246.78	143.25	117.29	112.34	104.97	199.99	303.36	255.93	305.75	397.29	333.93
USGS073802516 Barataria Pass at Grand Isle	276.76	252.05	149.60	142.71	143.97	147.93	223.39	303.83	220.37	254.84	312.23	301.71
HWQ14 - Lake Washington	110.04	126.39	88.25	96.93	110.30	91.91	89.03	95.20	86.46	82.63	125.38	135.24
HWQ16 - Bayou Grand Liard	529.76	346.48	254.48	238.59	188.43	268.99	469.36	540.21	488.38	561.79	586.24	484.51
CRMS 3985	33.39	41.85	39.30	53.25	58.31	51.04	39.98	25.47	24.71	26.39	35.98	38.53
CRMS 0258	200.86	177.05	85.20	50.87	37.27	35.36	81.47	138.11	258.65	298.26	383.39	292.15
CRMS 0224	244.37	218.63	121.64	79.20	69.32	66.00	126.53	199.77	254.12	271.94	365.04	327.69
CRMS 0163	60.51	13.41	11.13	11.56	11.18	31.77	50.36	72.74	61.04	134.71	62.95	27.31
CRMS 0162	119.84	78.84	58.76	86.51	65.72	81.79	23.16	188.76	430.82	513.37	305.69	99.87

V3PR9 HYST - cy 3 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	100.72	129.92	88.99	76.03	71.54	54.96	59.08	55.58	102.71	98.86	140.59	152.13
CRMS0276 - Just east of Wilkinson Canal	327.90	160.18	84.24	72.99	50.17	112.37	232.98	327.51	350.53	441.19	453.55	314.73
Barataria Waterway at Lafitte (USACE82875)	119.03	41.38	15.21	13.96	12.58	28.76	82.01	139.71	98.71	151.23	154.38	86.07
USGS2928590900040000 Barataria Waterway South of Lafitte	147.55	178.29	116.25	75.06	65.73	51.78	70.03	78.75	173.46	171.25	226.03	231.21
USGS7380251 Barataria Bay North of Grand Isle	57.55	70.63	50.87	65.32	68.78	56.36	46.14	33.53	37.21	40.37	75.21	70.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	239.17	225.49	126.84	114.75	109.50	95.20	131.42	192.90	182.87	201.93	309.44	271.16
USGS 07380335 - Little Lake Near Cutoff	335.31	267.02	154.18	132.64	124.18	114.20	201.35	309.94	268.98	316.20	413.45	348.11
USGS073802516 Barataria Pass at Grand Isle	283.05	262.49	150.50	155.05	154.96	157.65	219.51	302.49	224.89	258.16	320.69	309.82
HWQ14 - Lake Washington	100.70	117.42	72.58	94.58	109.10	90.24	78.50	76.30	77.54	75.58	118.93	124.24
HWQ16 - Bayou Grand Liard	546.89	366.04	273.43	261.42	204.37	285.06	478.85	557.20	504.85	566.53	596.22	498.44
CRMS 3985	30.54	34.74	29.28	48.86	57.45	51.38	38.03	23.03	23.04	24.74	34.30	36.13
CRMS 0258	214.28	205.12	103.41	64.33	47.27	42.37	86.65	136.04	293.79	324.13	406.44	312.89
CRMS 0224	255.62	244.67	138.28	95.52	82.10	75.38	129.60	199.37	271.35	288.34	381.95	344.37
CRMS 0163	66.08	14.71	11.30	11.69	11.24	29.38	52.65	77.44	56.00	116.37	69.54	30.29
CRMS 0162	125.05	83.55	62.09	91.26	73.60	85.21	23.92	192.08	432.91	490.92	314.86	103.66

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.35	-1.94	-3.84	8.24	9.29	4.45	-0.35	-5.99	-4.50	-1.97	-2.96	-3.80
CRMS0276 - Just east of Wilkinson Canal	33.34	34.15	19.23	17.61	10.67	16.33	13.76	20.79	32.45	26.20	38.75	38.53
Barataria Waterway at Lafitte (USACE82875)	18.92	19.88	3.29	1.78	1.16	7.47	35.87	62.07	42.22	14.65	0.93	27.33
USGS2928590900040000 Barataria Waterway South of Lafitte	1.26	6.48	5.91	11.95	11.30	6.06	1.12	-6.56	1.40	6.68	2.53	2.46
USGS7380251 Barataria Bay North of Grand Isle	-2.64	-5.15	-9.29	0.54	2.74	1.33	-1.60	-3.87	-2.14	-2.13	-0.95	-2.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	8.05	12.31	2.62	10.80	9.02	5.83	-2.30	-5.36	3.09	3.31	11.30	8.10
USGS 07380335 - Little Lake Near Cutoff	14.86	20.24	10.93	15.35	11.84	9.23	1.36	6.59	13.05	10.45	16.16	14.18
USGS073802516 Barataria Pass at Grand Isle	6.29	10.44	0.90	12.34	10.99	9.72	-3.88	-1.34	4.52	3.31	8.45	8.10
HWQ14 - Lake Washington	-9.34	-8.97	-15.68	-2.35	-1.19	-1.68	-10.53	-18.90	-8.92	-7.04	-6.45	-10.99
HWQ16 - Bayou Grand Liard	17.13	19.55	18.95	22.83	15.94	16.07	9.49	16.98	16.47	4.74	9.97	13.93
CRMS 3985	-2.86	-7.11	-10.02	-4.39	-0.87	0.34	-1.94	-2.43	-1.67	-1.65	-1.68	-2.40
CRMS 0258	13.42	28.07	18.21	13.46	10.00	7.00	5.19	-2.07	35.14	25.87	23.05	20.74
CRMS 0224	11.25	26.04	16.64	16.31	12.78	9.38	3.07	-0.40	17.23	16.40	16.91	16.69
CRMS 0163	5.57	1.30	0.17	0.13	0.06	-2.39	2.29	4.70	-5.04	-18.34	6.59	2.98
CRMS 0162	5.21	4.71	3.33	4.74	7.88	3.43	0.76	3.32	2.10	-22.45	9.17	3.78

Figure WQ SO4 157 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	105.34	155.15	109.77	124.49	130.63	101.93	66.36	58.36	119.43	121.49	139.03	136.97
CRMS0276 - Just east of Wilkinson Canal	387.72	213.94	234.50	164.02	146.88	211.07	298.93	396.72	406.47	392.86	345.93	279.28
Barataria Waterway at Lafitte (USACE82875)	172.24	46.08	43.45	32.73	34.44	40.44	98.26	139.30	237.51	96.58	111.60	68.45
USGS2928590900040000 Barataria Waterway South of Lafitte	150.03	211.19	155.60	137.75	140.84	110.93	85.36	84.30	201.75	203.93	211.91	194.93
USGS7380251 Barataria Bay North of Grand Isle	57.94	83.48	54.27	79.43	93.13	78.03	41.17	33.17	41.10	48.03	75.94	65.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	251.46	258.20	155.54	162.75	168.11	147.20	133.50	230.69	216.34	228.09	281.66	234.13
USGS 07380335 - Little Lake Near Cutoff	365.28	307.69	215.53	199.81	201.46	178.27	228.69	373.76	316.42	333.80	368.23	306.30
USGS073802516 Barataria Pass at Grand Isle	302.00	302.20	188.11	215.01	237.37	230.80	238.85	355.82	262.10	278.80	299.18	278.85
HWQ14 - Lake Washington	108.94	142.91	77.82	118.65	151.47	133.45	75.72	89.79	94.28	94.87	125.80	120.86
HWQ16 - Bayou Grand Liard	601.81	441.20	421.74	365.66	341.99	380.38	556.79	634.66	555.43	555.11	542.57	479.85
CRMS 3985	31.81	43.66	31.38	48.07	66.29	64.77	30.79	22.71	24.74	27.67	37.26	36.43
CRMS 0258	236.26	245.67	207.48	127.45	122.84	119.66	127.59	154.28	340.12	353.22	320.35	258.32
CRMS 0224	267.00	283.87	209.20	164.44	166.04	142.59	150.15	233.14	315.81	320.39	337.08	290.47
CRMS 0163	112.89	32.42	27.52	36.81	26.11	59.87	110.30	135.79	252.60	78.88	44.18	41.56
CRMS 0162	236.98	121.18	199.17	234.63	227.20	216.63	218.47	432.57	626.60	358.39	194.39	104.93

V3PR9 HYST - cy 3 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	102.88	152.61	108.82	132.41	137.33	108.10	63.13	54.44	117.33	121.07	139.46	136.11
CRMS0276 - Just east of Wilkinson Canal	418.40	254.12	269.56	196.53	175.24	230.41	315.61	426.01	458.54	456.26	383.25	313.46
Barataria Waterway at Lafitte (USACE82875)	191.46	77.88	73.30	45.03	46.89	67.64	169.80	251.20	258.89	138.79	116.44	90.20
USGS2928590900040000 Barataria Waterway South of Lafitte	150.42	215.92	161.64	156.85	158.79	125.54	84.19	80.62	204.95	212.19	221.51	200.38
USGS7380251 Barataria Bay North of Grand Isle	55.91	80.67	52.21	77.63	86.48	74.20	38.09	31.16	40.35	47.14	76.58	64.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	255.89	270.01	163.43	169.56	170.29	152.50	132.18	230.76	224.27	240.84	303.01	244.04
USGS 07380335 - Little Lake Near Cutoff	374.47	327.04	229.76	213.24	208.63	186.98	234.18	388.07	336.08	361.56	394.01	320.04
USGS073802516 Barataria Pass at Grand Isle	304.16	311.90	193.56	220.46	238.85	236.61	237.85	361.16	274.44	294.43	313.55	286.03
HWQ14 - Lake Washington	99.24	133.23	71.24	107.80	134.24	120.16	62.43	75.92	88.06	89.35	123.35	112.81
HWQ16 - Bayou Grand Liard	613.28	455.91	438.13	392.51	357.90	393.65	566.95	650.47	579.97	583.65	557.58	490.23
CRMS 3985	30.04	40.40	29.44	44.66	56.54	60.07	28.83	21.73	23.81	26.65	35.36	34.57
CRMS 0258	246.72	275.54	231.26	154.27	148.52	139.54	132.66	154.42	387.09	399.07	354.98	277.79
CRMS 0224	274.13	309.45	226.09	187.59	186.57	158.17	152.38	237.72	338.03	348.18	366.97	307.30
CRMS 0163	119.79	33.27	28.50	33.16	25.51	56.96	113.13	146.04	245.03	83.16	47.56	42.80
CRMS 0162	242.74	127.63	213.07	248.03	239.32	201.41	227.53	425.36	635.83	361.01	204.57	111.44

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-2.46	-2.54	-0.96	7.92	6.70	6.16	-3.23	-3.92	-2.10	-0.42	0.43	-0.86
CRMS0276 - Just east of Wilkinson Canal	30.68	40.18	35.06	32.51	28.36	19.34	16.68	29.29	52.07	63.40	37.32	34.18
Barataria Waterway at Lafitte (USACE82875)	19.22	31.81	29.85	12.30	12.45	27.20	71.54	111.90	21.37	42.20	4.84	21.75
USGS2928590900040000 Barataria Waterway South of Lafitte	0.39	4.73	6.05	19.10	17.95	14.61	-1.16	-3.68	3.20	8.26	9.60	5.45
USGS7380251 Barataria Bay North of Grand Isle	-2.03	-2.82	-2.06	-1.80	-6.65	-3.83	-3.08	-2.01	-0.75	-0.89	0.64	-1.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	4.43	11.81	7.89	6.80	2.18	5.30	-1.32	0.07	7.93	12.75	21.35	9.91
USGS 07380335 - Little Lake Near Cutoff	9.19	19.35	14.23	13.43	7.17	8.72	5.49	14.32	19.66	27.76	25.78	13.75
USGS073802516 Barataria Pass at Grand Isle	2.16	9.70	5.45	5.45	1.47	5.81	-1.00	5.33	12.34	15.63	14.37	7.18
HWQ14 - Lake Washington	-9.71	-9.68	-6.58	-10.84	-17.23	-13.29	-13.30	-13.88	-6.22	-5.52	-2.45	-8.04
HWQ16 - Bayou Grand Liard	11.47	14.71	16.39	26.85	15.91	13.26	10.17	15.80	24.54	28.54	15.01	10.38
CRMS 3985	-1.77	-3.26	-1.93	-3.41	-9.75	-4.71	-1.96	-0.97	-0.93	-1.03	-1.90	-1.86
CRMS 0258	10.46	29.87	23.78	26.82	25.68	19.89	5.06	0.13	46.97	45.86	34.63	19.47
CRMS 0224	7.13	25.58	16.89	23.15	20.54	15.58	2.22	4.58	22.22	27.79	29.89	16.83
CRMS 0163	6.90	0.85	0.98	-3.65	-0.59	-2.92	2.83	10.26	-7.58	4.28	3.39	1.24
CRMS 0162	5.75	6.45	13.90	13.40	12.12	-15.22	9.06	-7.21	9.23	2.62	10.19	6.51

Figure WQ SO4 158 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	111.26	139.84	98.71	88.71	88.44	71.75	64.97	52.30	72.37	75.72	121.12	147.88
CRMS0276 - Just east of Wilkinson Canal	332.40	93.39	91.83	75.66	80.68	61.60	117.90	183.65	213.49	320.13	399.88	361.62
Barataria Waterway at Lafitte (USACE82875)	92.14	16.57	15.66	14.06	19.86	12.78	18.42	30.83	31.76	80.85	158.86	93.15
USGS2928590900040000 Barataria Waterway South of Lafitte	163.77	173.93	109.71	87.36	86.91	65.91	73.79	68.91	108.92	120.28	188.19	221.54
USGS7380251 Barataria Bay North of Grand Isle	63.19	86.20	72.08	80.18	83.11	71.66	56.14	38.21	32.44	34.65	63.13	65.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	252.47	213.88	136.35	130.95	132.37	114.26	116.55	138.11	122.44	151.92	266.13	265.29
USGS 07380335 - Little Lake Near Cutoff	347.73	233.22	159.06	147.35	152.89	122.50	145.90	199.93	177.28	242.02	362.93	354.19
USGS073802516 Barataria Pass at Grand Isle	299.67	246.33	165.71	174.58	189.85	167.32	174.55	214.66	155.58	201.04	282.00	312.44
HWQ14 - Lake Washington	117.31	138.49	102.35	118.42	136.56	119.38	95.83	81.93	65.04	63.43	106.44	124.10
HWQ16 - Bayou Grand Liard	537.10	313.90	296.69	276.12	263.86	233.46	337.12	401.98	398.23	495.96	570.09	537.07
CRMS 3985	33.20	49.18	52.05	64.87	71.09	64.85	49.10	28.42	22.90	23.06	27.49	33.00
CRMS 0258	246.85	159.99	82.58	72.68	69.80	40.14	64.88	87.13	150.58	215.34	331.00	344.96
CRMS 0224	278.48	202.70	125.27	107.19	109.26	82.02	104.99	136.75	164.23	205.40	320.15	344.82
CRMS 0163	41.14	11.68	13.35	18.04	15.50	13.32	19.68	28.36	30.89	72.94	78.26	54.89
CRMS 0162	90.26	57.34	108.49	123.72	139.75	52.84	15.27	46.82	212.87	291.83	346.94	205.70

V3PR9 HYST - cy 3 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	104.99	132.70	97.64	96.68	96.67	77.57	47.17	33.57	63.05	71.50	117.53	144.25
CRMS0276 - Just east of Wilkinson Canal	370.81	122.09	113.15	93.92	99.83	81.44	138.96	202.95	237.60	354.67	434.21	403.06
Barataria Waterway at Lafitte (USACE82875)	118.25	31.49	21.57	17.48	24.93	15.62	29.23	57.37	52.20	99.02	149.71	129.27
USGS2928590900040000 Barataria Waterway South of Lafitte	161.90	178.26	117.64	100.39	99.91	77.61	60.25	47.21	105.30	121.92	189.92	223.01
USGS7380251 Barataria Bay North of Grand Isle	55.38	73.60	63.46	79.20	83.67	69.36	34.65	23.21	25.48	30.83	63.00	61.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	258.08	221.11	141.31	139.17	139.83	118.23	89.54	118.66	117.97	155.18	274.79	271.91
USGS 07380335 - Little Lake Near Cutoff	361.13	250.53	171.48	159.23	163.90	131.96	128.91	195.94	183.20	254.35	377.45	366.65
USGS073802516 Barataria Pass at Grand Isle	302.70	252.96	169.43	181.36	198.22	172.97	148.39	202.52	153.36	206.61	286.83	318.08
HWQ14 - Lake Washington	102.62	121.91	89.15	112.18	129.32	107.71	55.57	49.85	51.68	56.28	100.73	113.31
HWQ16 - Bayou Grand Liard	554.41	333.21	314.47	290.37	282.18	252.56	351.48	419.83	411.48	508.76	579.01	549.94
CRMS 3985	24.61	36.16	40.26	58.77	68.05	59.89	26.14	17.63	17.84	19.98	28.93	26.18
CRMS 0258	257.43	188.25	99.05	87.94	85.41	52.15	64.20	73.67	172.33	236.19	352.83	365.65
CRMS 0224	287.57	227.38	141.59	123.29	124.99	95.36	92.26	120.95	174.21	218.85	335.59	358.45
CRMS 0163	51.21	12.42	13.71	17.14	16.75	13.72	21.44	30.74	29.21	69.23	82.49	55.55
CRMS 0162	95.25	59.70	117.10	132.38	152.14	52.48	15.52	48.01	204.50	268.37	346.73	208.19

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-6.27	-7.14	-1.08	7.96	8.23	5.82	-17.80	-18.74	-9.32	-4.21	-3.59	-3.63
CRMS0276 - Just east of Wilkinson Canal	38.41	28.70	21.33	18.26	19.16	19.83	21.06	19.30	24.11	34.55	34.34	41.45
Barataria Waterway at Lafitte (USACE82875)	26.11	14.92	5.91	3.42	5.08	2.84	10.81	26.54	20.44	18.17	-9.15	36.12
USGS2928590900040000 Barataria Waterway South of Lafitte	-1.87	4.33	7.93	13.03	13.00	11.70	-13.54	-21.70	-3.62	1.64	1.73	1.46
USGS7380251 Barataria Bay North of Grand Isle	-7.80	-12.60	-8.61	-0.97	0.56	-2.31	-21.49	-15.01	-6.96	-3.83	-0.13	-4.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	5.61	7.23	4.96	8.22	7.46	3.98	-27.00	-19.45	-4.47	3.27	8.66	6.62
USGS 07380335 - Little Lake Near Cutoff	13.41	17.32	12.42	11.89	11.01	9.46	-16.99	-3.99	5.92	12.33	14.52	12.47
USGS073802516 Barataria Pass at Grand Isle	3.04	6.63	3.72	6.78	8.37	5.65	-26.16	-12.14	-2.22	5.57	4.83	5.63
HWQ14 - Lake Washington	-14.68	-16.58	-13.20	-6.25	-7.25	-11.67	-40.26	-32.08	-13.36	-7.15	-5.71	-10.80
HWQ16 - Bayou Grand Liard	17.31	19.31	17.78	14.25	18.32	19.09	14.36	17.85	13.25	12.80	8.93	12.87
CRMS 3985	-8.59	-13.02	-11.79	-6.11	-3.05	-4.96	-22.96	-10.79	-5.07	-3.08	1.44	-6.83
CRMS 0258	10.57	28.26	16.46	15.26	15.61	12.01	-0.68	-13.47	21.74	20.86	21.83	20.69
CRMS 0224	9.09	24.69	16.33	16.10	15.73	13.35	-12.74	-15.81	9.98	13.45	15.44	13.62
CRMS 0163	10.07	0.73	0.36	-0.90	1.24	0.40	1.76	2.38	-1.68	-3.71	4.23	0.66
CRMS 0162	4.98	2.36	8.61	8.66	12.39	-0.35	0.25	1.18	-8.37	-23.47	-0.22	2.50

Figure WQ SO4 159 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 3 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	97.22	147.52	116.90	93.97	74.53	54.32	53.43	54.95	83.96	84.61	135.15	148.45
CRMS0276 - Just east of Wilkinson Canal	260.75	335.23	177.46	67.30	41.95	31.01	95.93	200.34	238.11	341.73	409.25	187.49
Barataria Waterway at Lafitte (USACE82875)	99.53	89.77	26.16	13.03	13.04	11.58	16.83	38.21	34.56	95.56	158.91	34.86
USGS2928590900040000 Barataria Waterway South of Lafitte	130.75	207.56	176.48	88.62	66.00	45.75	58.92	70.81	126.70	132.65	206.14	214.21
USGS7380251 Barataria Bay North of Grand Isle	55.42	73.93	55.27	77.72	75.33	61.58	48.37	41.97	36.65	38.73	73.45	71.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	207.28	253.63	164.32	128.61	115.65	89.76	95.85	154.54	138.09	165.75	286.22	250.72
USGS 07380335 - Little Lake Near Cutoff	291.51	326.79	217.42	142.23	126.99	91.93	121.32	220.94	196.62	257.49	381.77	306.64
USGS073802516 Barataria Pass at Grand Isle	249.80	304.36	189.11	169.27	161.93	129.06	148.67	236.46	173.17	214.87	300.66	283.21
HWQ14 - Lake Washington	100.30	127.12	80.09	113.45	125.46	99.13	79.94	92.40	73.18	70.64	121.52	133.09
HWQ16 - Bayou Grand Liard	507.00	509.27	364.23	262.60	195.69	177.00	311.85	434.15	417.33	512.71	577.95	419.47
CRMS 3985	30.83	36.12	30.30	55.42	64.33	57.28	43.82	32.56	25.15	24.98	35.33	37.42
CRMS 0258	170.49	300.54	215.88	64.24	44.77	26.12	48.66	87.92	178.03	229.56	352.32	267.82
CRMS 0224	211.29	305.37	229.52	100.05	80.11	57.43	82.63	144.82	185.61	220.03	342.26	304.70
CRMS 0163	74.67	64.76	15.56	12.67	12.53	11.67	18.32	36.16	36.58	93.54	71.74	15.63
CRMS 0162	190.03	278.79	92.15	102.85	55.82	26.94	14.67	62.57	269.30	411.14	326.04	60.14

V3PR9 HYST - cy 3 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	97.79	145.80	115.83	107.86	87.33	60.19	56.41	56.14	85.94	81.93	128.46	145.51
CRMS0276 - Just east of Wilkinson Canal	290.17	372.30	220.02	87.78	51.59	38.79	112.73	225.69	267.23	381.52	451.38	237.14
Barataria Waterway at Lafitte (USACE82875)	108.92	126.70	53.57	16.47	14.47	12.10	22.89	66.92	63.48	118.11	161.61	61.24
USGS2928590900040000 Barataria Waterway South of Lafitte	136.63	211.71	182.37	107.04	80.77	51.69	63.23	73.97	135.05	137.62	204.44	217.91
USGS7380251 Barataria Bay North of Grand Isle	54.31	72.03	53.81	83.42	82.13	65.90	50.59	42.79	37.07	36.51	70.00	68.56
USGS73802515 Hackberry Bay Northwest of Grand Isle	218.53	264.73	173.73	145.12	128.24	97.51	102.85	160.49	148.06	167.28	288.83	262.71
USGS 07380335 - Little Lake Near Cutoff	308.68	342.91	235.25	162.70	141.53	101.68	131.92	236.10	216.38	268.31	393.31	328.08
USGS073802516 Barataria Pass at Grand Isle	258.88	314.29	199.11	186.02	174.00	138.67	157.33	246.56	184.50	218.09	301.69	295.46
HWQ14 - Lake Washington	93.91	120.39	74.22	114.33	127.06	100.66	78.72	86.24	70.51	64.04	110.03	123.32
HWQ16 - Bayou Grand Liard	526.26	520.95	389.29	285.85	211.76	188.47	329.06	456.10	437.70	520.50	590.25	443.81
CRMS 3985	29.00	33.54	28.60	56.01	67.59	60.72	45.61	32.80	25.04	24.05	33.01	34.45
CRMS 0258	189.38	323.46	240.43	82.36	57.03	30.45	53.84	94.84	209.04	253.86	375.47	297.60
CRMS 0224	227.32	323.13	249.14	122.08	96.11	65.66	90.93	155.63	207.10	235.62	354.96	329.58
CRMS 0163	77.46	64.34	17.10	12.60	12.79	11.71	19.92	37.55	33.75	88.11	79.05	17.95
CRMS 0162	190.76	282.40	103.14	112.14	60.49	30.25	15.19	61.79	268.94	398.83	327.56	66.01

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.57	-1.72	-1.07	13.90	12.80	5.86	2.98	1.18	1.97	-2.68	-6.69	-2.93
CRMS0276 - Just east of Wilkinson Canal	29.42	37.07	42.55	20.47	9.65	7.78	16.80	25.35	29.12	39.78	42.14	49.65
Barataria Waterway at Lafitte (USACE82875)	9.39	36.93	27.41	3.43	1.42	0.52	6.06	28.71	28.92	22.55	2.71	26.38
USGS2928590900040000 Barataria Waterway South of Lafitte	5.87	4.15	5.89	18.42	14.77	5.94	4.31	3.16	8.35	4.97	-1.71	3.70
USGS7380251 Barataria Bay North of Grand Isle	-1.11	-1.90	-1.46	5.70	6.80	4.32	2.22	0.81	0.43	-2.22	-3.45	-2.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.25	11.10	9.41	16.50	12.58	7.74	7.00	5.95	9.96	1.53	2.61	11.99
USGS 07380335 - Little Lake Near Cutoff	17.17	16.12	17.84	20.47	14.54	9.75	10.60	15.15	19.76	10.83	11.55	21.44
USGS073802516 Barataria Pass at Grand Isle	9.09	9.92	10.00	16.75	12.07	9.61	8.66	10.09	11.33	3.22	1.04	12.25
HWQ14 - Lake Washington	-6.38	-6.73	-5.87	0.88	1.60	1.53	-1.22	-6.16	-2.67	-6.60	-11.49	-9.76
HWQ16 - Bayou Grand Liard	19.26	11.68	25.06	23.26	16.07	11.46	17.21	21.95	20.37	7.79	12.30	24.33
CRMS 3985	-1.83	-2.58	-1.71	0.59	3.26	3.43	1.79	0.24	-0.11	-0.94	-2.32	-2.97
CRMS 0258	18.89	22.91	24.55	18.12	12.27	4.33	5.18	6.92	31.02	24.30	23.15	29.78
CRMS 0224	16.04	17.76	19.62	22.03	16.00	8.23	8.30	10.82	21.49	15.59	12.70	24.88
CRMS 0163	2.79	-0.42	1.54	-0.07	0.26	0.04	1.60	1.39	-2.83	-5.42	7.31	2.33
CRMS 0162	0.73	3.61	11.00	9.29	4.67	3.30	0.53	-0.78	-0.36	-12.31	1.52	5.87

Figure WQ SO4 160 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 3, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.83	177.39	118.39	71.10	54.81	51.78	61.46	74.68	106.15	82.29	133.19	172.81
CRMS0276 - Just east of Wilkinson Canal	360.87	199.35	74.98	35.22	29.54	43.02	88.86	201.52	199.72	238.73	380.20	396.54
Barataria Waterway at Lafitte (USACE82875)	146.68	41.69	12.96	12.09	11.51	11.72	15.92	39.12	29.22	67.94	175.33	118.58
USGS2928590900040000 Barataria Waterway South of Lafitte	194.17	215.12	137.66	58.66	42.80	42.86	66.14	91.51	140.28	108.04	191.05	241.46
USGS7380251 Barataria Bay North of Grand Isle	95.31	115.76	84.53	80.45	72.05	63.34	57.00	57.40	53.05	47.47	80.76	93.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	320.95	267.95	161.26	107.07	91.12	86.52	110.73	186.52	152.42	154.30	280.16	305.73
USGS 07380335 - Little Lake Near Cutoff	415.05	305.80	179.15	111.73	97.95	87.22	131.01	247.96	201.96	225.45	366.82	387.65
USGS073802516 Barataria Pass at Grand Isle	371.67	313.93	189.20	143.35	131.03	127.49	163.59	267.73	189.11	199.04	301.16	350.92
HWQ14 - Lake Washington	174.93	180.99	118.83	113.67	110.09	96.92	92.01	121.83	95.76	80.28	132.02	169.26
HWQ16 - Bayou Grand Liard	592.62	429.02	288.73	204.27	175.48	203.11	313.61	456.42	400.13	448.28	555.19	560.62
CRMS 3985	55.04	71.86	61.13	74.29	71.52	61.42	51.80	43.02	35.89	33.08	44.82	53.00
CRMS 0258	281.76	211.13	106.37	37.93	27.42	29.41	59.55	109.89	130.94	148.53	314.42	351.85
CRMS 0224	324.82	257.07	148.13	65.79	51.92	54.78	89.85	163.63	166.35	167.15	312.97	357.66
CRMS 0163	82.19	33.90	11.93	12.07	11.35	12.89	16.39	45.78	41.06	76.44	104.58	75.81
CRMS 0162	160.09	160.14	118.42	93.78	96.92	64.39	14.36	94.97	228.55	238.43	429.28	332.77

V3PR2 HYST - cy 4 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.11	15.33	11.24	11.83	11.10	11.46	12.12	15.34	15.77	17.09	23.42	20.88
CRMS0276 - Just east of Wilkinson Canal	334.14	204.25	76.82	32.74	27.57	37.56	55.58	153.11	197.22	236.59	379.69	394.56
Barataria Waterway at Lafitte (USACE82875)	151.39	46.29	13.76	12.14	11.60	11.77	16.00	40.57	31.10	71.94	181.25	125.69
USGS2928590900040000 Barataria Waterway South of Lafitte	38.45	45.70	11.30	11.86	11.14	11.39	11.89	20.22	60.01	36.78	115.17	111.41
USGS7380251 Barataria Bay North of Grand Isle	41.94	39.08	15.70	13.52	12.90	12.70	11.52	16.93	24.11	25.16	62.13	60.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	178.29	130.88	22.97	18.36	16.01	17.47	16.77	81.95	108.99	104.39	244.96	239.01
USGS 07380335 - Little Lake Near Cutoff	310.96	189.21	42.80	27.25	21.68	21.52	30.16	153.33	170.18	188.18	346.06	342.13
USGS073802516 Barataria Pass at Grand Isle	251.84	191.39	47.30	37.05	35.98	41.17	46.81	170.68	152.20	163.06	277.03	298.84
HWQ14 - Lake Washington	85.48	75.29	24.79	21.69	24.82	21.10	14.64	43.01	62.31	52.32	111.52	121.22
HWQ16 - Bayou Grand Liard	556.67	376.43	203.00	134.43	112.75	143.17	244.30	417.99	390.59	436.95	545.10	545.19
CRMS 3985	34.03	31.15	19.11	14.98	14.24	13.24	11.60	13.26	19.00	21.92	36.79	39.64
CRMS 0258	173.70	143.89	43.67	22.47	14.83	13.29	11.90	42.28	123.37	122.33	303.15	321.27
CRMS 0224	190.25	143.16	34.34	21.83	15.01	14.50	13.81	67.14	140.58	121.54	289.59	308.59
CRMS 0163	87.51	37.27	12.32	12.17	11.44	12.85	16.78	45.92	42.71	79.80	107.74	81.67
CRMS 0162	169.22	163.08	125.61	95.31	97.64	66.74	14.31	98.47	239.53	252.55	436.23	344.51

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-127.71	-162.06	-107.16	-59.27	-43.71	-40.32	-49.34	-59.34	-90.38	-65.20	-109.77	-151.93
CRMS0276 - Just east of Wilkinson Canal	-26.73	4.90	1.83	-2.48	-1.97	-5.46	-33.28	-48.41	-2.50	-2.14	-0.51	-1.97
Barataria Waterway at Lafitte (USACE82875)	4.71	4.60	0.80	0.05	0.10	0.05	0.08	1.45	1.88	4.00	5.93	7.11
USGS2928590900040000 Barataria Waterway South of Lafitte	-155.72	-169.42	-126.37	-46.80	-31.67	-31.47	-54.25	-71.29	-80.26	-71.26	-75.88	-130.05
USGS7380251 Barataria Bay North of Grand Isle	-53.37	-76.67	-68.84	-66.93	-59.15	-50.64	-45.48	-40.47	-28.94	-22.32	-18.63	-32.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	-142.66	-137.06	-138.29	-88.72	-75.11	-69.05	-93.95	-104.57	-43.43	-49.91	-35.20	-66.72
USGS 07380335 - Little Lake Near Cutoff	-104.09	-116.59	-136.35	-84.48	-76.27	-65.70	-100.85	-94.63	-31.77	-37.27	-20.76	-45.52
USGS073802516 Barataria Pass at Grand Isle	-119.82	-122.53	-141.90	-106.30	-95.05	-86.33	-116.78	-97.05	-36.91	-35.97	-24.13	-52.09
HWQ14 - Lake Washington	-89.45	-105.69	-94.04	-91.97	-85.27	-75.82	-77.37	-78.83	-33.44	-27.96	-20.50	-48.04
HWQ16 - Bayou Grand Liard	-35.96	-52.59	-85.72	-69.84	-62.73	-59.93	-69.31	-38.43	-9.54	-11.33	-10.09	-15.43
CRMS 3985	-21.00	-40.71	-42.02	-59.30	-57.28	-48.18	-40.21	-29.76	-16.89	-11.16	-8.03	-13.37
CRMS 0258	-108.06	-67.25	-62.70	-15.46	-12.59	-16.12	-47.65	-67.61	-7.57	-26.20	-11.28	-30.59
CRMS 0224	-134.56	-113.91	-113.80	-43.96	-36.91	-40.29	-76.04	-96.50	-25.78	-45.61	-23.38	-49.07
CRMS 0163	5.32	3.36	0.39	0.11	0.08	-0.04	0.39	0.14	1.66	3.36	3.16	5.86
CRMS 0162	9.13	2.94	7.19	1.53	0.72	2.35	-0.05	3.51	10.98	14.11	6.95	11.74

Figure WQ SO4 161 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.18	159.96	106.63	67.05	59.62	54.98	73.61	90.68	158.66	136.67	178.55	181.08
CRMS0276 - Just east of Wilkinson Canal	300.36	118.77	57.78	45.40	33.33	101.64	239.73	333.66	321.97	409.08	388.85	263.21
Barataria Waterway at Lafitte (USACE82875)	118.45	18.93	11.70	11.90	11.33	23.11	60.61	98.76	77.24	163.08	160.78	53.56
USGS2928590900040000 Barataria Waterway South of Lafitte	167.46	184.38	110.74	56.68	47.71	46.58	83.34	119.71	228.82	199.87	252.58	241.88
USGS7380251 Barataria Bay North of Grand Isle	91.36	113.78	89.78	78.27	75.34	66.42	61.19	55.88	66.07	67.65	108.18	105.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	282.92	236.25	140.92	104.78	97.43	95.99	166.90	269.36	231.40	249.77	345.52	293.65
USGS 07380335 - Little Lake Near Cutoff	364.01	255.89	150.86	114.63	104.96	107.13	238.79	371.50	306.81	349.63	425.31	347.75
USGS073802516 Barataria Pass at Grand Isle	332.26	277.63	170.86	142.92	139.02	152.45	261.34	373.97	269.67	297.13	361.62	333.02
HWQ14 - Lake Washington	161.99	174.24	121.50	109.60	115.76	100.67	108.82	148.94	127.20	118.77	179.85	184.73
HWQ16 - Bayou Grand Liard	549.68	354.35	256.56	223.89	184.70	280.39	505.28	585.07	508.19	569.55	576.38	484.93
CRMS 3985	55.72	74.72	72.96	75.10	73.78	64.12	51.47	34.51	38.74	42.13	58.92	62.57
CRMS 0258	225.81	155.31	76.00	41.91	30.98	39.00	100.91	178.85	245.83	305.88	378.78	264.73
CRMS 0224	274.09	205.11	114.00	68.98	57.45	65.77	145.08	246.93	276.95	299.52	384.19	313.69
CRMS 0163	68.96	14.73	11.26	11.67	11.21	39.56	65.42	96.29	98.48	183.18	71.33	31.90
CRMS 0162	163.78	107.20	98.07	123.53	107.49	125.86	41.82	247.16	488.48	546.24	365.78	156.87

V3PR2 HYST - cy 4 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.49	11.49	10.85	10.93	10.98	15.24	16.16	17.59	20.70	21.40	23.39	15.70
CRMS0276 - Just east of Wilkinson Canal	260.38	121.15	55.07	42.82	30.94	90.57	214.00	310.47	320.74	414.21	392.76	264.54
Barataria Waterway at Lafitte (USACE82875)	121.02	21.60	12.10	12.21	11.46	23.20	60.11	103.15	92.83	187.27	168.87	56.88
USGS2928590900040000 Barataria Waterway South of Lafitte	27.56	12.27	10.88	10.97	10.97	15.72	24.33	47.86	132.31	110.75	144.75	72.85
USGS7380251 Barataria Bay North of Grand Isle	28.95	19.60	13.00	12.08	12.21	15.47	19.98	26.31	32.64	36.72	69.61	49.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	118.44	55.71	16.88	17.14	16.15	38.47	115.34	209.40	175.44	189.28	279.19	173.83
USGS 07380335 - Little Lake Near Cutoff	228.91	100.65	28.98	26.80	22.49	52.63	193.93	326.56	264.42	307.72	384.52	257.98
USGS073802516 Barataria Pass at Grand Isle	183.60	106.85	32.84	36.14	38.14	87.37	213.76	323.93	215.67	245.65	304.55	242.13
HWQ14 - Lake Washington	55.54	38.01	17.59	18.88	25.51	31.36	55.90	95.73	81.00	76.19	124.91	109.03
HWQ16 - Bayou Grand Liard	492.86	274.75	165.28	149.15	123.54	244.42	484.41	564.67	491.24	551.26	557.64	450.92
CRMS 3985	25.17	20.57	14.86	12.84	12.97	14.00	15.34	17.77	22.54	26.17	39.47	38.14
CRMS 0258	108.11	81.26	27.23	23.83	15.93	22.23	55.44	130.59	237.16	286.47	365.06	204.11
CRMS 0224	121.09	75.21	22.49	21.87	15.89	30.02	97.13	195.63	243.24	259.55	343.09	215.07
CRMS 0163	72.22	16.63	11.57	11.96	11.36	38.83	62.83	97.76	107.57	212.27	76.56	35.31
CRMS 0162	171.70	109.74	100.05	138.23	111.01	125.91	49.89	247.25	491.05	563.13	368.81	159.78

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-114.69	-148.48	-95.78	-56.12	-48.64	-39.75	-57.46	-73.10	-137.96	-115.27	-155.16	-165.38
CRMS0276 - Just east of Wilkinson Canal	-39.98	2.39	-2.72	-2.58	-2.39	-11.07	-25.73	-23.19	-1.23	5.13	3.90	1.33
Barataria Waterway at Lafitte (USACE82875)	2.57	2.67	0.39	0.31	0.13	0.10	-0.50	4.40	15.59	24.19	8.09	3.31
USGS2928590900040000 Barataria Waterway South of Lafitte	-139.90	-172.11	-99.86	-45.71	-36.74	-30.86	-59.02	-71.85	-96.50	-89.12	-107.83	-169.02
USGS7380251 Barataria Bay North of Grand Isle	-62.41	-94.18	-76.78	-66.19	-63.13	-50.95	-41.21	-29.57	-33.43	-30.93	-38.57	-55.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	-164.48	-180.54	-124.04	-87.64	-81.27	-57.52	-51.55	-59.96	-55.96	-60.49	-66.32	-119.82
USGS 07380335 - Little Lake Near Cutoff	-135.10	-155.23	-121.88	-87.83	-82.46	-54.49	-44.86	-44.95	-42.38	-41.91	-40.79	-89.76
USGS073802516 Barataria Pass at Grand Isle	-148.66	-170.78	-138.02	-106.78	-100.88	-65.08	-47.58	-50.04	-54.00	-51.48	-57.06	-90.89
HWQ14 - Lake Washington	-106.45	-136.23	-103.91	-90.72	-90.25	-69.31	-52.91	-53.21	-46.20	-42.58	-54.94	-75.71
HWQ16 - Bayou Grand Liard	-56.82	-79.61	-91.29	-74.73	-61.17	-35.97	-20.87	-20.40	-16.96	-18.29	-18.75	-34.01
CRMS 3985	-30.56	-54.15	-58.09	-62.27	-60.82	-50.12	-36.13	-16.75	-16.20	-15.97	-19.45	-24.43
CRMS 0258	-117.70	-74.04	-48.77	-18.09	-15.05	-16.77	-45.47	-48.26	-8.67	-19.42	-13.72	-60.62
CRMS 0224	-153.00	-129.91	-91.50	-47.11	-41.56	-35.76	-47.94	-51.30	-33.71	-39.97	-41.10	-98.62
CRMS 0163	3.25	1.90	0.31	0.29	0.15	-0.72	-2.59	1.47	9.09	29.09	5.23	3.41
CRMS 0162	7.92	2.54	1.98	14.70	3.52	0.05	8.06	0.09	2.56	16.89	3.03	2.91

Figure WQ SO4 162 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.63	187.23	130.34	120.62	133.05	116.24	92.08	101.37	190.71	175.76	176.74	162.60
CRMS0276 - Just east of Wilkinson Canal	396.93	203.16	218.99	155.43	155.32	227.52	328.99	439.61	444.33	413.36	319.53	274.96
Barataria Waterway at Lafitte (USACE82875)	202.17	45.12	42.86	40.82	49.68	43.44	122.72	188.59	328.68	110.19	113.62	66.16
USGS2928590900040000 Barataria Waterway South of Lafitte	178.90	230.21	168.89	121.99	135.97	120.28	112.69	137.65	292.34	262.19	242.08	210.54
USGS7380251 Barataria Bay North of Grand Isle	91.94	121.87	79.57	96.74	112.56	102.64	62.30	58.80	74.79	83.54	112.20	99.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	315.03	283.93	188.41	170.61	182.36	172.95	199.93	328.40	296.08	305.95	333.44	268.16
USGS 07380335 - Little Lake Near Cutoff	421.27	316.87	240.97	203.93	214.27	199.46	299.21	458.58	394.22	404.41	400.12	327.16
USGS073802516 Barataria Pass at Grand Isle	369.57	328.59	221.52	224.25	252.02	256.80	310.88	446.45	336.36	349.37	352.25	314.49
HWQ14 - Lake Washington	167.54	193.96	111.59	139.20	177.20	159.94	117.45	171.11	148.84	149.13	185.06	170.12
HWQ16 - Bayou Grand Liard	619.06	441.41	420.03	365.50	356.78	403.00	584.65	669.16	591.05	586.81	537.78	487.96
CRMS 3985	54.39	74.70	51.58	71.52	92.38	88.79	44.20	33.97	42.08	49.04	64.04	61.31
CRMS 0258	273.72	222.08	203.42	115.01	122.89	136.39	155.98	219.71	362.77	369.01	319.87	242.70
CRMS 0224	311.80	270.93	216.94	150.19	161.97	154.84	189.82	303.81	374.47	368.32	356.23	284.72
CRMS 0163	132.52	39.70	32.56	64.35	34.26	71.47	130.71	187.53	353.62	112.22	48.10	50.64
CRMS 0162	296.62	191.76	290.78	310.59	273.80	268.39	277.38	452.67	654.36	453.96	272.12	167.76

V3PR2 HYST - cy 4 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	20.74	14.84	16.56	17.23	14.70	17.97	19.39	19.56	22.77	21.46	21.88	19.06
CRMS0276 - Just east of Wilkinson Canal	372.03	205.81	214.50	148.06	157.77	213.53	310.26	408.67	424.84	405.27	318.51	271.09
Barataria Waterway at Lafitte (USACE82875)	200.68	51.90	44.76	41.77	53.98	43.71	126.98	190.43	333.24	114.11	116.65	68.35
USGS2928590900040000 Barataria Waterway South of Lafitte	73.58	22.42	39.44	34.89	20.07	40.17	35.31	56.84	168.93	137.47	136.30	98.99
USGS7380251 Barataria Bay North of Grand Isle	47.33	39.06	35.56	37.03	37.32	47.26	43.88	37.72	42.39	45.96	69.06	53.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	236.19	126.45	107.88	93.99	74.78	115.64	171.15	256.48	225.37	225.07	264.49	199.25
USGS 07380335 - Little Lake Near Cutoff	366.76	199.25	175.55	136.46	112.72	146.02	278.23	405.16	335.69	347.31	354.40	279.51
USGS073802516 Barataria Pass at Grand Isle	301.60	199.55	153.63	150.31	152.49	201.02	289.25	384.74	271.43	281.53	292.91	254.73
HWQ14 - Lake Washington	104.71	81.61	60.44	73.33	91.87	97.99	95.03	111.71	101.82	96.19	126.85	108.74
HWQ16 - Bayou Grand Liard	594.41	401.21	391.62	327.28	311.17	373.57	577.80	648.54	565.05	560.80	515.68	468.30
CRMS 3985	29.62	34.13	28.86	31.91	39.15	41.62	36.49	27.02	29.35	32.04	39.90	33.33
CRMS 0258	215.93	150.20	154.06	95.01	89.34	98.00	103.74	165.48	333.65	330.78	298.70	218.25
CRMS 0224	248.80	151.57	143.47	104.43	88.86	107.91	154.94	243.62	317.28	307.02	310.11	242.22
CRMS 0163	133.99	45.58	33.65	63.10	36.80	71.81	130.91	187.35	357.92	116.45	50.02	52.57
CRMS 0162	302.35	194.19	294.40	288.50	266.67	253.93	281.22	447.04	650.94	465.61	278.84	175.77

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-115.89	-172.39	-113.77	-103.39	-118.35	-98.27	-72.69	-81.80	-167.93	-154.30	-154.86	-143.53
CRMS0276 - Just east of Wilkinson Canal	-24.89	2.65	-4.49	-7.37	2.45	-14.00	-18.73	-30.93	-19.50	-8.09	-1.01	-3.87
Barataria Waterway at Lafitte (USACE82875)	-1.49	6.78	1.90	0.95	4.30	0.27	4.27	1.85	4.56	3.92	3.04	2.19
USGS2928590900040000 Barataria Waterway South of Lafitte	-105.32	-207.79	-129.45	-87.10	-115.90	-80.11	-77.39	-80.81	-123.42	-124.72	-105.78	-111.55
USGS7380251 Barataria Bay North of Grand Isle	-44.60	-82.81	-44.01	-59.72	-75.24	-55.38	-18.42	-21.09	-32.40	-37.58	-43.14	-46.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	-78.84	-157.49	-80.53	-76.61	-107.58	-57.31	-28.78	-71.92	-70.71	-80.88	-68.95	-68.91
USGS 07380335 - Little Lake Near Cutoff	-54.51	-117.62	-65.42	-67.48	-101.55	-53.44	-20.98	-53.42	-58.53	-57.10	-45.71	-47.65
USGS073802516 Barataria Pass at Grand Isle	-67.97	-129.05	-67.89	-73.95	-99.53	-55.79	-21.64	-61.71	-64.93	-67.84	-59.34	-59.76
HWQ14 - Lake Washington	-62.83	-112.34	-51.15	-65.87	-85.32	-61.95	-22.43	-59.40	-47.02	-52.94	-58.20	-61.37
HWQ16 - Bayou Grand Liard	-24.65	-40.20	-28.41	-38.22	-45.61	-29.43	-6.84	-20.62	-26.00	-26.00	-22.10	-19.66
CRMS 3985	-24.77	-40.57	-22.72	-39.61	-53.23	-47.17	-7.71	-6.95	-12.73	-17.00	-24.13	-27.98
CRMS 0258	-57.79	-71.89	-49.36	-20.00	-33.56	-38.39	-52.24	-54.22	-29.12	-38.23	-21.16	-24.45
CRMS 0224	-63.00	-119.36	-73.47	-45.76	-73.10	-46.93	-34.88	-60.18	-57.19	-61.30	-46.12	-42.51
CRMS 0163	1.48	5.88	1.10	-1.26	2.54	0.34	0.20	-0.19	4.31	4.23	1.92	1.93
CRMS 0162	5.73	2.43	3.62	-22.09	-7.13	-14.46	3.84	-5.63	-3.41	11.65	6.72	8.00

Figure WQ SO4 163 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.94	159.01	102.48	81.85	84.33	73.08	61.00	55.14	94.49	94.73	147.03	178.34
CRMS0276 - Just east of Wilkinson Canal	327.44	85.19	84.38	62.32	74.91	60.49	123.59	189.41	211.83	314.97	380.09	354.08
Barataria Waterway at Lafitte (USACE82875)	102.59	14.36	15.51	15.54	25.52	13.02	21.75	36.44	37.80	93.95	170.93	91.81
USGS2928590900040000 Barataria Waterway South of Lafitte	190.23	177.53	103.79	73.32	78.79	62.66	71.37	72.34	132.97	137.39	210.72	247.65
USGS7380251 Barataria Bay North of Grand Isle	95.16	116.25	90.38	87.90	89.69	81.43	49.04	37.48	42.43	47.53	87.85	97.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	301.94	224.44	141.41	123.84	130.71	115.84	114.41	165.44	145.31	183.26	301.37	304.75
USGS 07380335 - Little Lake Near Cutoff	385.34	233.26	159.53	136.36	148.80	117.95	148.40	229.19	202.42	270.58	385.45	376.96
USGS073802516 Barataria Pass at Grand Isle	350.72	261.94	175.00	168.25	187.17	163.84	175.49	246.05	179.85	230.70	321.27	347.46
HWQ14 - Lake Washington	169.57	174.40	120.63	124.40	143.23	123.68	83.12	95.01	81.98	83.22	146.29	175.04
HWQ16 - Bayou Grand Liard	553.01	318.11	294.38	261.50	261.87	236.20	358.11	428.52	408.34	505.41	562.14	538.47
CRMS 3985	56.13	77.96	75.84	80.97	83.59	75.23	37.65	25.86	27.60	30.93	47.52	55.18
CRMS 0258	273.87	132.24	75.62	55.76	62.80	40.56	71.65	98.20	136.97	214.32	332.73	333.23
CRMS 0224	307.36	182.71	114.11	87.40	97.00	75.82	100.50	147.09	166.51	216.68	335.34	351.47
CRMS 0163	43.35	11.86	14.46	25.48	15.94	15.43	23.95	38.32	45.73	96.80	93.75	69.20
CRMS 0162	117.32	82.92	150.68	167.70	191.53	79.71	16.96	84.57	283.16	348.25	409.10	283.22

V3PR2 HYST - cy 4 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.63	10.97	12.38	11.77	12.06	12.45	13.17	14.91	18.48	19.50	23.53	20.43
CRMS0276 - Just east of Wilkinson Canal	262.36	85.98	74.64	57.59	71.40	52.41	86.13	149.83	219.15	317.34	378.10	343.14
Barataria Waterway at Lafitte (USACE82875)	107.02	15.63	16.56	17.41	31.11	13.50	23.34	40.75	43.05	101.09	174.86	92.03
USGS2928590900040000 Barataria Waterway South of Lafitte	15.39	11.20	12.45	11.89	12.48	12.32	12.95	21.21	82.84	86.17	125.93	116.06
USGS7380251 Barataria Bay North of Grand Isle	31.31	17.39	14.53	13.64	15.07	15.28	13.58	17.66	28.05	34.59	63.45	59.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	107.82	42.46	21.76	22.93	27.00	24.55	24.44	77.41	125.53	157.02	250.50	234.26
USGS 07380335 - Little Lake Near Cutoff	215.78	78.04	39.38	37.11	43.63	31.96	48.63	145.96	191.57	255.74	351.32	326.23
USGS073802516 Barataria Pass at Grand Isle	179.51	86.23	41.80	49.52	70.53	60.76	72.06	161.14	167.29	210.16	279.48	288.75
HWQ14 - Lake Washington	62.56	31.90	18.97	24.56	39.37	30.79	20.34	42.07	67.76	69.62	111.54	121.28
HWQ16 - Bayou Grand Liard	475.61	231.57	210.37	181.60	194.47	177.36	310.28	411.92	419.08	499.18	545.36	512.71
CRMS 3985	30.55	19.87	15.67	14.41	16.09	15.95	13.92	14.68	20.38	25.46	36.86	39.30
CRMS 0258	111.33	63.96	30.04	33.18	36.95	16.77	14.19	40.90	132.19	205.15	318.96	301.64
CRMS 0224	113.97	58.74	26.96	30.74	34.55	19.61	18.81	65.57	151.87	200.84	302.33	300.16
CRMS 0163	48.34	12.33	15.96	31.64	18.14	17.00	25.16	42.82	49.38	105.11	98.03	68.53
CRMS 0162	122.95	86.40	151.42	164.90	191.62	75.81	17.14	84.45	283.03	374.10	415.70	291.72

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-129.30	-148.03	-90.09	-70.08	-72.28	-60.63	-47.83	-40.23	-76.01	-75.23	-123.50	-157.91
CRMS0276 - Just east of Wilkinson Canal	-65.08	0.79	-9.74	-4.73	-3.51	-8.08	-37.46	-39.58	7.33	2.37	-1.99	-10.94
Barataria Waterway at Lafitte (USACE82875)	4.43	1.27	1.05	1.87	5.59	0.48	1.59	4.31	5.25	7.14	3.94	0.22
USGS2928590900040000 Barataria Waterway South of Lafitte	-174.84	-166.33	-91.34	-61.44	-66.31	-50.34	-58.42	-51.13	-50.12	-51.22	-84.79	-131.60
USGS7380251 Barataria Bay North of Grand Isle	-63.86	-98.86	-75.85	-74.26	-74.61	-66.14	-35.46	-19.82	-14.38	-12.95	-24.40	-37.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	-194.12	-181.98	-119.65	-100.91	-103.70	-91.29	-89.97	-88.04	-19.77	-26.24	-50.87	-70.49
USGS 07380335 - Little Lake Near Cutoff	-169.56	-155.22	-120.16	-99.25	-105.17	-85.98	-99.77	-83.22	-10.85	-14.85	-34.13	-50.74
USGS073802516 Barataria Pass at Grand Isle	-171.21	-175.71	-133.19	-118.73	-116.64	-103.08	-103.44	-84.91	-12.55	-20.54	-41.79	-58.71
HWQ14 - Lake Washington	-107.00	-142.50	-101.66	-99.84	-103.86	-92.90	-62.78	-52.94	-14.22	-13.61	-34.75	-53.76
HWQ16 - Bayou Grand Liard	-77.40	-86.54	-84.01	-79.90	-67.41	-58.84	-47.83	-16.60	10.74	-6.23	-16.79	-25.76
CRMS 3985	-25.58	-58.09	-60.17	-66.56	-67.51	-59.28	-23.73	-11.18	-7.22	-5.47	-10.66	-15.88
CRMS 0258	-162.54	-68.29	-45.58	-22.58	-25.85	-23.79	-57.46	-57.30	-4.79	-9.17	-13.76	-31.59
CRMS 0224	-193.40	-123.97	-87.15	-56.67	-62.45	-56.21	-81.69	-81.52	-14.64	-15.84	-33.01	-51.31
CRMS 0163	5.00	0.47	1.50	6.16	2.20	1.57	1.22	4.50	3.65	8.31	4.28	-0.67
CRMS 0162	5.62	3.48	0.74	-2.80	0.09	-3.89	0.18	-0.12	-0.13	25.85	6.60	8.50

Figure WQ SO4 164 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	118.89	178.72	137.97	84.95	67.07	55.45	62.93	77.81	121.39	108.10	161.62	173.30
CRMS0276 - Just east of Wilkinson Canal	261.71	319.84	158.93	54.72	34.85	27.28	100.48	217.97	240.63	353.13	401.95	177.43
Barataria Waterway at Lafitte (USACE82875)	116.66	99.44	24.30	12.60	13.16	11.58	19.45	47.13	45.33	115.66	176.81	28.14
USGS2928590900040000 Barataria Waterway South of Lafitte	144.92	231.65	188.53	72.40	54.49	44.42	66.73	96.01	164.84	151.37	231.52	231.06
USGS7380251 Barataria Bay North of Grand Isle	83.38	109.62	81.78	87.60	80.99	69.47	59.88	59.42	58.26	57.15	97.23	100.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	250.66	283.61	200.56	126.11	107.98	88.59	110.90	200.17	174.93	200.90	325.25	279.72
USGS 07380335 - Little Lake Near Cutoff	327.46	341.75	244.01	136.08	114.52	84.29	134.80	268.06	234.49	291.70	411.46	318.73
USGS073802516 Barataria Pass at Grand Isle	297.19	331.18	227.43	166.89	151.40	122.58	164.96	284.41	211.83	250.74	343.48	312.80
HWQ14 - Lake Washington	145.04	173.45	117.42	125.02	127.50	102.05	91.37	127.24	104.35	97.56	161.23	179.79
HWQ16 - Bayou Grand Liard	519.46	504.37	367.99	245.16	185.10	170.55	333.25	475.08	442.39	529.47	579.95	424.13
CRMS 3985	50.99	64.97	51.74	74.47	76.86	67.59	55.61	44.67	37.97	37.88	52.99	58.99
CRMS 0258	181.95	288.07	212.02	49.54	35.63	27.12	57.31	117.50	164.80	230.20	366.57	240.05
CRMS 0224	234.40	305.27	235.79	82.80	63.78	53.27	89.19	175.92	196.26	233.71	365.46	293.87
CRMS 0163	86.84	89.53	17.32	13.00	12.46	12.15	21.27	50.54	56.07	128.19	87.44	16.65
CRMS 0162	241.36	380.75	161.60	147.20	92.49	40.14	15.57	107.67	344.41	455.16	385.52	84.64

V3PR2 HYST - cy 4 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.06	22.19	11.92	11.35	12.26	11.54	13.05	15.85	19.11	20.45	23.33	11.93
CRMS0276 - Just east of Wilkinson Canal	227.74	317.59	169.78	51.26	31.53	25.38	65.79	171.03	232.63	358.48	400.85	188.39
Barataria Waterway at Lafitte (USACE82875)	114.04	106.14	27.17	13.00	13.58	11.61	20.58	44.66	51.14	129.63	183.91	32.46
USGS2928590900040000 Barataria Waterway South of Lafitte	32.30	96.59	16.63	11.44	12.27	11.44	12.79	30.12	91.82	87.37	128.72	12.95
USGS7380251 Barataria Bay North of Grand Isle	25.94	64.03	26.43	14.58	14.33	13.66	12.53	19.78	27.65	33.67	64.82	30.09
USGS73802515 Hackberry Bay Northwest of Grand Isle	138.15	215.12	56.86	22.45	19.24	17.57	20.11	121.90	129.44	159.42	264.98	74.53
USGS 07380335 - Little Lake Near Cutoff	235.35	288.46	104.94	35.94	27.23	20.87	38.59	196.48	196.55	263.81	372.50	153.82
USGS073802516 Barataria Pass at Grand Isle	190.52	271.02	99.67	49.04	44.67	39.10	56.99	208.90	168.01	213.98	293.62	146.57
HWQ14 - Lake Washington	55.27	113.47	45.07	27.42	30.92	22.91	16.21	58.88	65.12	68.38	117.25	65.42
HWQ16 - Bayou Grand Liard	481.16	482.33	301.17	166.72	122.54	123.52	279.71	435.35	419.15	518.19	561.11	360.69
CRMS 3985	22.09	38.51	26.15	17.03	15.83	14.84	12.70	14.18	19.57	24.62	37.40	32.32
CRMS 0258	96.95	248.22	109.24	28.48	19.08	12.35	12.75	58.75	149.43	214.76	350.25	144.86
CRMS 0224	131.64	245.11	89.49	27.30	19.15	13.66	15.98	102.07	163.36	206.35	325.84	128.94
CRMS 0163	88.12	95.85	17.60	13.74	12.52	12.42	22.85	48.71	60.21	141.36	90.45	17.92
CRMS 0162	246.26	380.81	165.86	144.17	94.03	37.78	16.23	105.98	351.84	484.24	389.02	88.40

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-101.83	-156.53	-126.05	-73.60	-54.81	-43.91	-49.88	-61.96	-102.28	-87.65	-138.29	-161.37
CRMS0276 - Just east of Wilkinson Canal	-33.97	-2.24	10.85	-3.46	-3.32	-1.90	-34.69	-46.94	-8.00	5.35	-1.10	10.95
Barataria Waterway at Lafitte (USACE82875)	-2.61	6.69	2.87	0.40	0.42	0.03	1.13	-2.47	5.81	13.96	7.10	4.32
USGS2928590900040000 Barataria Waterway South of Lafitte	-112.61	-135.06	-171.89	-60.95	-42.23	-32.98	-53.93	-65.89	-73.02	-64.00	-102.80	-218.11
USGS7380251 Barataria Bay North of Grand Isle	-57.45	-45.60	-55.34	-73.02	-66.66	-55.81	-47.35	-39.65	-30.61	-23.47	-32.41	-70.45
USGS73802515 Hackberry Bay Northwest of Grand Isle	-112.51	-68.48	-143.70	-103.65	-88.74	-71.02	-90.79	-78.27	-45.48	-41.48	-60.27	-205.19
USGS 07380335 - Little Lake Near Cutoff	-92.11	-53.29	-139.06	-100.15	-87.29	-63.42	-96.21	-71.58	-37.93	-27.89	-38.96	-164.91
USGS073802516 Barataria Pass at Grand Isle	-106.68	-60.16	-127.76	-117.85	-106.73	-83.47	-107.97	-75.50	-43.82	-36.76	-49.86	-166.23
HWQ14 - Lake Washington	-89.77	-59.98	-72.34	-97.60	-96.59	-79.14	-75.16	-68.36	-39.23	-29.18	-43.98	-114.37
HWQ16 - Bayou Grand Liard	-38.30	-22.04	-66.82	-78.44	-62.56	-47.03	-53.53	-39.72	-23.24	-11.29	-18.84	-63.44
CRMS 3985	-28.90	-26.46	-25.59	-57.45	-61.03	-52.75	-42.91	-30.49	-18.40	-13.26	-15.59	-26.67
CRMS 0258	-85.00	-39.85	-102.78	-21.06	-16.54	-14.77	-44.56	-58.75	-15.37	-15.43	-16.32	-95.19
CRMS 0224	-102.76	-60.16	-146.30	-55.50	-44.63	-39.62	-73.21	-73.86	-32.90	-27.37	-39.61	-164.93
CRMS 0163	1.28	6.32	0.28	0.74	0.06	0.27	1.58	-1.83	4.14	13.17	3.01	1.27
CRMS 0162	4.90	0.06	4.26	-3.03	1.54	-2.36	0.66	-1.69	7.43	29.08	3.50	3.76

Figure WQ SO4 165 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.83	177.39	118.39	71.10	54.81	51.78	61.46	74.68	106.15	82.29	133.19	172.81
CRMS0276 - Just east of Wilkinson Canal	360.87	199.35	74.98	35.22	29.54	43.02	88.86	201.52	199.72	238.73	380.20	396.54
Barataria Waterway at Lafitte (USACE82875)	146.68	41.69	12.96	12.09	11.51	11.72	15.92	39.12	29.22	67.94	175.33	118.58
USGS2928590900040000 Barataria Waterway South of Lafitte	194.17	215.12	137.66	58.66	42.80	42.86	66.14	91.51	140.28	108.04	191.05	241.46
USGS7380251 Barataria Bay North of Grand Isle	95.31	115.76	84.53	80.45	72.05	63.34	57.00	57.40	53.05	47.47	80.76	93.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	320.95	267.95	161.26	107.07	91.12	86.52	110.73	186.52	152.42	154.30	280.16	305.73
USGS 07380335 - Little Lake Near Cutoff	415.05	305.80	179.15	111.73	97.95	87.22	131.01	247.96	201.96	225.45	366.82	387.65
USGS073802516 Barataria Pass at Grand Isle	371.67	313.93	189.20	143.35	131.03	127.49	163.59	267.73	189.11	199.04	301.16	350.92
HWQ14 - Lake Washington	174.93	180.99	118.83	113.67	110.09	96.92	92.01	121.83	95.76	80.28	132.02	169.26
HWQ16 - Bayou Grand Liard	592.62	429.02	288.73	204.27	175.48	203.11	313.61	456.42	400.13	448.28	555.19	560.62
CRMS 3985	55.04	71.86	61.13	74.29	71.52	61.42	51.80	43.02	35.89	33.08	44.82	53.00
CRMS 0258	281.76	211.13	106.37	37.93	27.42	29.41	59.55	109.89	130.94	148.53	314.42	351.85
CRMS 0224	324.82	257.07	148.13	65.79	51.92	54.78	89.85	163.63	166.35	167.15	312.97	357.66
CRMS 0163	82.19	33.90	11.93	12.07	11.35	12.89	16.39	45.78	41.06	76.44	104.58	75.81
CRMS 0162	160.09	160.14	118.42	93.78	96.92	64.39	14.36	94.97	228.55	238.43	429.28	332.77

V3PR3 HYST - cy 4 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.66	14.77	11.24	11.83	11.10	11.46	12.12	15.35	15.58	16.88	21.95	19.83
CRMS0276 - Just east of Wilkinson Canal	331.21	204.64	77.88	32.60	27.49	38.38	55.74	152.26	199.12	246.91	391.71	393.92
Barataria Waterway at Lafitte (USACE82875)	151.93	47.60	14.01	12.14	11.60	11.77	16.14	41.77	31.88	78.21	189.66	128.46
USGS2928590900040000 Barataria Waterway South of Lafitte	37.96	44.42	11.28	11.86	11.13	11.40	11.94	19.45	54.31	37.12	118.34	115.98
USGS7380251 Barataria Bay North of Grand Isle	40.72	37.61	15.05	13.27	12.71	12.49	11.43	16.46	23.77	24.69	62.93	61.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	177.24	130.34	23.26	18.44	16.04	17.56	16.79	83.25	109.23	106.52	247.36	240.27
USGS 07380335 - Little Lake Near Cutoff	308.59	188.65	43.54	27.56	21.83	21.83	30.34	156.74	169.77	192.88	351.18	343.45
USGS073802516 Barataria Pass at Grand Isle	248.06	189.77	46.98	37.19	35.96	41.19	46.25	170.06	152.21	165.10	276.94	299.03
HWQ14 - Lake Washington	83.22	72.91	23.70	21.43	24.53	20.59	14.10	41.18	61.51	52.10	110.66	120.88
HWQ16 - Bayou Grand Liard	550.05	375.82	203.35	135.30	113.37	147.52	243.80	417.70	390.12	443.82	548.83	545.80
CRMS 3985	33.37	29.85	18.08	14.50	13.91	12.95	11.42	13.02	18.65	21.57	36.91	39.74
CRMS 0258	174.78	145.65	44.92	22.78	15.03	13.18	11.97	42.23	122.15	126.66	313.48	324.16
CRMS 0224	191.67	144.38	35.34	22.08	15.21	14.50	13.89	68.28	140.08	124.62	297.14	312.25
CRMS 0163	86.60	37.22	12.27	12.16	11.41	12.82	16.87	45.46	41.95	84.15	110.15	81.95
CRMS 0162	168.49	162.72	123.79	91.62	95.90	61.26	14.00	101.29	240.32	268.13	445.31	338.48

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-128.17	-162.62	-107.16	-59.27	-43.71	-40.32	-49.34	-59.33	-90.57	-65.41	-111.24	-152.98
CRMS0276 - Just east of Wilkinson Canal	-29.66	5.29	2.89	-2.62	-2.05	-4.64	-33.13	-49.26	-0.60	8.18	11.51	-2.62
Barataria Waterway at Lafitte (USACE82875)	5.25	5.91	1.05	0.06	0.09	0.05	0.21	2.65	2.66	10.28	14.33	9.88
USGS2928590900040000 Barataria Waterway South of Lafitte	-156.21	-170.70	-126.38	-46.80	-31.68	-31.46	-54.20	-72.07	-85.96	-70.92	-72.71	-125.48
USGS7380251 Barataria Bay North of Grand Isle	-54.59	-78.14	-69.48	-67.18	-59.34	-50.85	-45.57	-40.94	-29.27	-22.79	-17.83	-32.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	-143.71	-137.60	-138.00	-88.63	-75.09	-68.96	-93.93	-103.28	-43.19	-47.78	-32.80	-65.45
USGS 07380335 - Little Lake Near Cutoff	-106.46	-117.15	-135.62	-84.17	-76.12	-65.39	-100.67	-91.23	-32.19	-32.57	-15.64	-44.20
USGS073802516 Barataria Pass at Grand Isle	-123.61	-124.16	-142.21	-106.16	-95.07	-86.30	-117.34	-97.67	-36.90	-33.94	-24.22	-51.89
HWQ14 - Lake Washington	-91.71	-108.08	-95.13	-92.24	-85.57	-76.33	-77.91	-80.65	-34.25	-28.18	-21.36	-48.38
HWQ16 - Bayou Grand Liard	-42.58	-53.20	-85.38	-68.97	-62.11	-55.59	-69.81	-38.71	-10.01	-4.46	-6.36	-14.82
CRMS 3985	-21.66	-42.01	-43.05	-59.78	-57.61	-48.47	-40.38	-30.00	-17.24	-11.51	-7.91	-13.27
CRMS 0258	-106.98	-65.48	-61.45	-15.15	-12.38	-16.23	-47.58	-67.66	-8.79	-21.87	-0.95	-27.69
CRMS 0224	-133.15	-112.69	-112.79	-43.71	-36.71	-40.28	-75.96	-95.35	-26.28	-42.54	-15.83	-45.41
CRMS 0163	4.41	3.32	0.34	0.09	0.05	-0.07	0.48	-0.32	0.89	7.71	5.57	6.14
CRMS 0162	8.41	2.58	5.37	-2.16	-1.02	-3.14	-0.36	6.33	11.77	29.70	16.02	5.71

Figure WQ SO4 166 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.18	159.96	106.63	67.05	59.62	54.98	73.61	90.68	158.66	136.67	178.55	181.08
CRMS0276 - Just east of Wilkinson Canal	300.36	118.77	57.78	45.40	33.33	101.64	239.73	333.66	321.97	409.08	388.85	263.21
Barataria Waterway at Lafitte (USACE82875)	118.45	18.93	11.70	11.90	11.33	23.11	60.61	98.76	77.24	163.08	160.78	53.56
USGS2928590900040000 Barataria Waterway South of Lafitte	167.46	184.38	110.74	56.68	47.71	46.58	83.34	119.71	228.82	199.87	252.58	241.88
USGS7380251 Barataria Bay North of Grand Isle	91.36	113.78	89.78	78.27	75.34	66.42	61.19	55.88	66.07	67.65	108.18	105.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	282.92	236.25	140.92	104.78	97.43	95.99	166.90	269.36	231.40	249.77	345.52	293.65
USGS 07380335 - Little Lake Near Cutoff	364.01	255.89	150.86	114.63	104.96	107.13	238.79	371.50	306.81	349.63	425.31	347.75
USGS073802516 Barataria Pass at Grand Isle	332.26	277.63	170.86	142.92	139.02	152.45	261.34	373.97	269.67	297.13	361.62	333.02
HWQ14 - Lake Washington	161.99	174.24	121.50	109.60	115.76	100.67	108.82	148.94	127.20	118.77	179.85	184.73
HWQ16 - Bayou Grand Liard	549.68	354.35	256.56	223.89	184.70	280.39	505.28	585.07	508.19	569.55	576.38	484.93
CRMS 3985	55.72	74.72	72.96	75.10	73.78	64.12	51.47	34.51	38.74	42.13	58.92	62.57
CRMS 0258	225.81	155.31	76.00	41.91	30.98	39.00	100.91	178.85	245.83	305.88	378.78	264.73
CRMS 0224	274.09	205.11	114.00	68.98	57.45	65.77	145.08	246.93	276.95	299.52	384.19	313.69
CRMS 0163	68.96	14.73	11.26	11.67	11.21	39.56	65.42	96.29	98.48	183.18	71.33	31.90
CRMS 0162	163.78	107.20	98.07	123.53	107.49	125.86	41.82	247.16	488.48	546.24	365.78	156.87

V3PR3 HYST - cy 4 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.20	11.48	10.85	10.93	10.98	15.24	15.99	17.44	21.33	20.47	21.57	15.05
CRMS0276 - Just east of Wilkinson Canal	259.63	121.77	55.33	41.86	31.55	91.75	219.41	301.34	312.47	400.51	388.70	261.87
Barataria Waterway at Lafitte (USACE82875)	121.95	22.09	12.20	12.16	11.49	23.93	62.67	99.50	86.97	166.90	171.94	58.19
USGS2928590900040000 Barataria Waterway South of Lafitte	27.53	11.82	10.87	10.97	10.97	15.71	24.56	44.90	123.09	108.61	143.87	73.94
USGS7380251 Barataria Bay North of Grand Isle	27.46	18.76	12.68	11.92	12.02	15.28	19.67	23.95	31.29	34.78	68.03	47.19
USGS73802515 Hackberry Bay Northwest of Grand Isle	119.42	56.17	17.22	16.89	16.26	38.49	118.00	202.09	169.49	182.51	277.27	172.30
USGS 07380335 - Little Lake Near Cutoff	229.98	100.85	29.44	26.35	22.93	53.36	199.95	318.90	254.54	298.95	380.03	255.10
USGS073802516 Barataria Pass at Grand Isle	184.18	106.03	33.10	34.92	38.95	87.90	218.46	313.65	208.20	239.95	302.08	236.97
HWQ14 - Lake Washington	53.50	36.46	17.08	18.64	24.84	31.36	55.53	85.28	77.44	73.12	124.08	104.26
HWQ16 - Bayou Grand Liard	491.53	272.10	165.66	144.35	125.17	248.12	492.54	557.15	483.41	544.10	553.46	445.18
CRMS 3985	23.90	19.53	14.23	12.53	12.69	13.80	15.15	16.81	21.60	24.89	36.88	36.45
CRMS 0258	109.06	81.81	27.63	23.30	16.33	22.29	57.54	128.49	230.15	279.05	358.75	205.01
CRMS 0224	122.96	75.55	22.62	21.46	16.16	30.15	100.05	190.42	235.74	252.95	338.65	216.22
CRMS 0163	72.04	16.38	11.57	11.94	11.32	41.15	63.90	95.70	106.18	186.15	78.31	34.23
CRMS 0162	170.69	106.75	104.44	124.89	114.27	127.89	50.90	262.40	503.08	548.42	369.10	158.42

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-114.98	-148.49	-95.78	-56.12	-48.64	-39.74	-57.62	-73.25	-137.34	-116.20	-156.97	-166.04
CRMS0276 - Just east of Wilkinson Canal	-40.73	3.00	-2.46	-3.54	-1.79	-9.89	-20.32	-32.32	-9.50	-8.57	-0.16	-1.34
Barataria Waterway at Lafitte (USACE82875)	3.51	3.16	0.49	0.26	0.16	0.82	2.06	0.75	9.73	3.83	11.17	4.63
USGS2928590900040000 Barataria Waterway South of Lafitte	-139.93	-172.56	-99.87	-45.71	-36.75	-30.87	-58.79	-74.80	-105.73	-91.26	-108.72	-167.94
USGS7380251 Barataria Bay North of Grand Isle	-63.90	-95.02	-77.10	-66.35	-63.33	-51.14	-41.52	-31.92	-34.79	-32.87	-40.15	-58.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	-163.51	-180.08	-123.70	-87.89	-81.17	-57.50	-48.89	-67.27	-61.91	-67.26	-68.25	-121.35
USGS 07380335 - Little Lake Near Cutoff	-134.03	-155.03	-121.42	-88.27	-82.03	-53.77	-38.84	-52.60	-52.26	-50.68	-45.29	-92.65
USGS073802516 Barataria Pass at Grand Isle	-148.08	-171.60	-137.76	-108.00	-100.06	-64.55	-42.88	-60.32	-61.47	-57.18	-59.54	-96.05
HWQ14 - Lake Washington	-108.49	-137.78	-104.43	-90.96	-90.91	-69.32	-53.29	-63.66	-49.75	-45.65	-55.77	-80.47
HWQ16 - Bayou Grand Liard	-58.16	-82.25	-90.90	-79.53	-59.54	-32.27	-12.75	-27.92	-24.78	-25.45	-22.92	-39.75
CRMS 3985	-31.82	-55.19	-58.72	-62.57	-61.09	-50.32	-36.32	-17.70	-17.14	-17.24	-22.04	-26.11
CRMS 0258	-116.75	-73.50	-48.37	-18.61	-14.65	-16.70	-43.37	-50.36	-15.68	-26.83	-20.04	-59.71
CRMS 0224	-151.13	-129.56	-91.38	-47.52	-41.29	-35.63	-45.03	-56.51	-41.21	-46.57	-45.54	-97.47
CRMS 0163	3.08	1.65	0.31	0.27	0.11	1.59	-1.52	-0.59	7.70	2.97	6.98	2.33
CRMS 0162	6.92	-0.45	6.37	1.36	6.78	2.03	9.08	15.24	14.60	2.18	3.32	1.55

Figure WQ SO4 167 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.63	187.23	130.34	120.62	133.05	116.24	92.08	101.37	190.71	175.76	176.74	162.60
CRMS0276 - Just east of Wilkinson Canal	396.93	203.16	218.99	155.43	155.32	227.52	328.99	439.61	444.33	413.36	319.53	274.96
Barataria Waterway at Lafitte (USACE82875)	202.17	45.12	42.86	40.82	49.68	43.44	122.72	188.59	328.68	110.19	113.62	66.16
USGS2928590900040000 Barataria Waterway South of Lafitte	178.90	230.21	168.89	121.99	135.97	120.28	112.69	137.65	292.34	262.19	242.08	210.54
USGS7380251 Barataria Bay North of Grand Isle	91.94	121.87	79.57	96.74	112.56	102.64	62.30	58.80	74.79	83.54	112.20	99.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	315.03	283.93	188.41	170.61	182.36	172.95	199.93	328.40	296.08	305.95	333.44	268.16
USGS 07380335 - Little Lake Near Cutoff	421.27	316.87	240.97	203.93	214.27	199.46	299.21	458.58	394.22	404.41	400.12	327.16
USGS073802516 Barataria Pass at Grand Isle	369.57	328.59	221.52	224.25	252.02	256.80	310.88	446.45	336.36	349.37	352.25	314.49
HWQ14 - Lake Washington	167.54	193.96	111.59	139.20	177.20	159.94	117.45	171.11	148.84	149.13	185.06	170.12
HWQ16 - Bayou Grand Liard	619.06	441.41	420.03	365.50	356.78	403.00	584.65	669.16	591.05	586.81	537.78	487.96
CRMS 3985	54.39	74.70	51.58	71.52	92.38	88.79	44.20	33.97	42.08	49.04	64.04	61.31
CRMS 0258	273.72	222.08	203.42	115.01	122.89	136.39	155.98	219.71	362.77	369.01	319.87	242.70
CRMS 0224	311.80	270.93	216.94	150.19	161.97	154.84	189.82	303.81	374.47	368.32	356.23	284.72
CRMS 0163	132.52	39.70	32.56	64.35	34.26	71.47	130.71	187.53	353.62	112.22	48.10	50.64
CRMS 0162	296.62	191.76	290.78	310.59	273.80	268.39	277.38	452.67	654.36	453.96	272.12	167.76

V3PR3 HYST - cy 4 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	19.88	14.62	16.18	16.79	14.64	17.64	18.81	19.31	23.58	20.13	19.88	17.83
CRMS0276 - Just east of Wilkinson Canal	366.48	205.81	220.17	149.97	159.74	216.09	315.18	417.46	426.97	404.19	324.40	268.84
Barataria Waterway at Lafitte (USACE82875)	199.24	53.23	48.40	42.56	53.89	44.19	133.75	208.68	346.03	117.46	120.24	69.45
USGS2928590900040000 Barataria Waterway South of Lafitte	73.93	20.87	39.55	33.53	18.04	39.53	35.95	55.85	164.48	140.74	140.69	101.65
USGS7380251 Barataria Bay North of Grand Isle	52.02	39.58	34.94	35.32	36.00	45.69	42.63	36.68	41.32	45.83	71.19	57.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	234.39	128.47	105.94	91.99	76.34	115.12	173.32	261.75	227.07	228.17	267.66	200.51
USGS 07380335 - Little Lake Near Cutoff	361.86	200.72	174.80	134.81	114.67	146.07	282.75	412.93	339.01	350.95	358.40	278.53
USGS073802516 Barataria Pass at Grand Isle	297.86	199.94	150.62	147.24	154.62	201.41	293.06	392.25	271.42	282.63	295.30	254.20
HWQ14 - Lake Washington	107.01	82.06	58.27	70.07	90.62	96.75	94.25	111.19	100.29	95.65	128.02	112.11
HWQ16 - Bayou Grand Liard	587.41	400.90	393.67	322.52	314.05	376.87	584.86	653.24	565.20	560.96	518.87	461.33
CRMS 3985	35.72	35.71	28.72	30.00	37.47	40.16	35.56	26.54	28.77	31.66	42.84	40.40
CRMS 0258	214.14	151.20	155.08	95.63	92.94	100.91	106.91	170.39	338.55	334.65	303.71	218.90
CRMS 0224	246.75	152.63	143.00	103.30	92.00	109.00	157.99	249.20	321.44	311.80	315.53	242.87
CRMS 0163	132.32	46.08	33.21	62.52	38.15	71.08	134.57	201.34	366.99	115.75	50.45	52.64
CRMS 0162	300.90	197.54	288.71	282.99	262.31	259.83	276.90	453.83	650.80	454.55	272.82	170.07

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-116.75	-172.61	-114.16	-103.83	-118.41	-98.60	-73.27	-82.06	-167.13	-155.63	-156.86	-144.77
CRMS0276 - Just east of Wilkinson Canal	-30.45	2.64	1.18	-5.46	4.42	-11.43	-13.80	-22.15	-17.36	-9.16	4.87	-6.12
Barataria Waterway at Lafitte (USACE82875)	-2.94	8.10	5.54	1.75	4.21	0.75	11.04	20.09	17.35	7.27	6.62	3.28
USGS2928590900040000 Barataria Waterway South of Lafitte	-104.97	-209.35	-129.34	-88.46	-117.93	-80.75	-76.74	-81.80	-127.86	-121.45	-101.39	-108.89
USGS7380251 Barataria Bay North of Grand Isle	-39.92	-82.28	-44.64	-61.42	-76.55	-56.95	-19.67	-22.12	-33.47	-37.71	-41.00	-41.40
USGS73802515 Hackberry Bay Northwest of Grand Isle	-80.64	-155.46	-82.46	-78.62	-106.02	-57.83	-26.61	-66.66	-69.01	-77.78	-65.79	-67.65
USGS 07380335 - Little Lake Near Cutoff	-59.41	-116.14	-66.17	-69.12	-99.60	-53.39	-16.46	-45.65	-55.21	-53.46	-41.72	-48.62
USGS073802516 Barataria Pass at Grand Isle	-71.71	-128.65	-70.90	-77.01	-97.40	-55.39	-17.83	-54.19	-64.93	-66.73	-56.95	-60.29
HWQ14 - Lake Washington	-60.53	-111.89	-53.32	-69.14	-86.58	-63.19	-23.21	-59.92	-48.55	-53.49	-57.04	-58.01
HWQ16 - Bayou Grand Liard	-31.64	-40.51	-26.36	-42.98	-42.73	-26.13	0.22	-15.92	-25.84	-25.84	-18.91	-26.63
CRMS 3985	-18.67	-39.00	-22.86	-41.52	-54.91	-48.63	-8.64	-7.43	-13.31	-17.39	-21.20	-20.91
CRMS 0258	-59.58	-70.88	-48.34	-19.38	-29.95	-35.47	-49.08	-49.32	-24.22	-34.36	-16.15	-23.80
CRMS 0224	-65.05	-118.30	-73.94	-46.88	-69.97	-45.84	-31.83	-54.60	-53.03	-56.52	-40.70	-41.85
CRMS 0163	-0.19	6.38	0.65	-1.84	3.90	-0.38	3.87	13.80	13.38	3.53	2.35	2.00
CRMS 0162	4.29	5.78	-2.07	-27.59	-11.49	-8.57	-0.48	1.16	-3.55	0.59	0.70	2.31

Figure WQ SO4 168 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.94	159.01	102.48	81.85	84.33	73.08	61.00	55.14	94.49	94.73	147.03	178.34
CRMS0276 - Just east of Wilkinson Canal	327.44	85.19	84.38	62.32	74.91	60.49	123.59	189.41	211.83	314.97	380.09	354.08
Barataria Waterway at Lafitte (USACE82875)	102.59	14.36	15.51	15.54	25.52	13.02	21.75	36.44	37.80	93.95	170.93	91.81
USGS2928590900040000 Barataria Waterway South of Lafitte	190.23	177.53	103.79	73.32	78.79	62.66	71.37	72.34	132.97	137.39	210.72	247.65
USGS7380251 Barataria Bay North of Grand Isle	95.16	116.25	90.38	87.90	89.69	81.43	49.04	37.48	42.43	47.53	87.85	97.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	301.94	224.44	141.41	123.84	130.71	115.84	114.41	165.44	145.31	183.26	301.37	304.75
USGS 07380335 - Little Lake Near Cutoff	385.34	233.26	159.53	136.36	148.80	117.95	148.40	229.19	202.42	270.58	385.45	376.96
USGS073802516 Barataria Pass at Grand Isle	350.72	261.94	175.00	168.25	187.17	163.84	175.49	246.05	179.85	230.70	321.27	347.46
HWQ14 - Lake Washington	169.57	174.40	120.63	124.40	143.23	123.68	83.12	95.01	81.98	83.22	146.29	175.04
HWQ16 - Bayou Grand Liard	553.01	318.11	294.38	261.50	261.87	236.20	358.11	428.52	408.34	505.41	562.14	538.47
CRMS 3985	56.13	77.96	75.84	80.97	83.59	75.23	37.65	25.86	27.60	30.93	47.52	55.18
CRMS 0258	273.87	132.24	75.62	55.76	62.80	40.56	71.65	98.20	136.97	214.32	332.73	333.23
CRMS 0224	307.36	182.71	114.11	87.40	97.00	75.82	100.50	147.09	166.51	216.68	335.34	351.47
CRMS 0163	43.35	11.86	14.46	25.48	15.94	15.43	23.95	38.32	45.73	96.80	93.75	69.20
CRMS 0162	117.32	82.92	150.68	167.70	191.53	79.71	16.96	84.57	283.16	348.25	409.10	283.22

V3PR3 HYST - cy 4 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.58	10.97	12.38	11.77	12.06	12.45	13.17	14.90	18.89	18.90	21.98	19.03
CRMS0276 - Just east of Wilkinson Canal	268.03	88.82	77.09	56.40	72.29	52.43	86.19	151.23	211.58	313.62	383.09	346.07
Barataria Waterway at Lafitte (USACE82875)	110.76	16.14	17.03	16.59	29.31	13.65	24.27	42.95	41.54	95.91	177.67	94.68
USGS2928590900040000 Barataria Waterway South of Lafitte	15.49	11.09	12.45	11.83	12.25	12.35	13.01	20.66	78.65	88.61	130.32	121.41
USGS7380251 Barataria Bay North of Grand Isle	30.65	17.06	14.34	13.34	14.66	14.62	13.21	17.13	26.84	36.99	65.89	61.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	111.17	44.14	22.14	22.36	26.23	24.43	24.22	77.49	122.21	166.08	256.95	236.50
USGS 07380335 - Little Lake Near Cutoff	221.31	80.85	40.57	35.98	41.61	31.95	48.77	148.34	185.70	263.26	359.31	330.03
USGS073802516 Barataria Pass at Grand Isle	182.77	87.98	42.31	47.28	65.96	60.29	71.01	161.30	161.62	224.03	286.69	293.32
HWQ14 - Lake Washington	62.40	31.68	18.75	23.44	37.04	28.86	19.08	40.32	65.55	77.96	116.91	122.33
HWQ16 - Bayou Grand Liard	481.85	237.77	211.97	176.18	190.61	181.25	311.64	412.42	406.17	504.94	550.51	518.08
CRMS 3985	30.50	19.51	15.36	14.09	15.54	15.21	13.40	14.29	19.58	26.77	37.94	39.93
CRMS 0258	115.24	66.84	31.35	33.04	37.07	16.86	14.29	41.61	130.90	207.43	322.72	303.02
CRMS 0224	118.86	61.16	27.93	30.60	34.20	19.86	18.99	66.71	149.62	205.59	308.98	303.76
CRMS 0163	49.91	12.45	15.37	27.43	17.51	17.32	26.01	43.67	48.91	99.78	99.18	70.89
CRMS 0162	122.48	85.09	163.68	159.46	192.33	77.64	16.52	85.66	289.83	331.48	416.31	293.55

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-129.35	-148.04	-90.09	-70.08	-72.28	-60.63	-47.83	-40.24	-75.61	-75.84	-125.05	-159.30
CRMS0276 - Just east of Wilkinson Canal	-59.41	3.63	-7.29	-5.92	-2.62	-8.06	-37.40	-38.18	-0.25	-1.34	3.01	-8.01
Barataria Waterway at Lafitte (USACE82875)	8.17	1.77	1.52	1.06	3.78	0.63	2.52	6.51	3.73	1.96	6.74	2.87
USGS2928590900040000 Barataria Waterway South of Lafitte	-174.74	-166.43	-91.34	-61.49	-66.53	-50.31	-58.35	-51.69	-54.32	-48.78	-80.40	-126.24
USGS7380251 Barataria Bay North of Grand Isle	-64.51	-99.19	-76.04	-74.56	-75.02	-66.81	-35.83	-20.35	-15.59	-10.54	-21.97	-35.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	-190.77	-180.30	-119.27	-101.47	-104.47	-91.41	-90.19	-87.96	-23.09	-17.18	-44.41	-68.25
USGS 07380335 - Little Lake Near Cutoff	-164.03	-152.41	-118.96	-100.38	-107.19	-86.00	-99.64	-80.85	-16.72	-7.33	-26.15	-46.93
USGS073802516 Barataria Pass at Grand Isle	-167.95	-173.96	-132.68	-120.97	-121.21	-103.56	-104.48	-84.76	-18.23	-6.67	-34.58	-54.13
HWQ14 - Lake Washington	-107.17	-142.71	-101.88	-100.96	-106.19	-94.83	-64.04	-54.69	-16.44	-5.27	-29.38	-52.71
HWQ16 - Bayou Grand Liard	-71.16	-80.34	-82.41	-85.32	-71.27	-54.95	-46.47	-16.09	-2.16	-0.47	-11.63	-20.39
CRMS 3985	-25.63	-58.45	-60.48	-66.88	-68.06	-60.01	-24.25	-11.57	-8.03	-4.16	-9.59	-15.25
CRMS 0258	-158.63	-65.41	-44.27	-22.72	-25.73	-23.70	-57.36	-56.59	-6.07	-6.89	-10.00	-30.22
CRMS 0224	-188.50	-121.54	-86.18	-56.80	-62.80	-55.96	-81.51	-80.38	-16.89	-11.09	-26.36	-47.71
CRMS 0163	6.57	0.59	0.91	1.95	1.57	1.89	2.06	5.35	3.18	2.98	5.43	1.69
CRMS 0162	5.16	2.17	13.00	-8.24	0.79	-2.06	-0.44	1.09	6.67	-16.77	7.21	10.33

Figure WQ SO4 169 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	118.89	178.72	137.97	84.95	67.07	55.45	62.93	77.81	121.39	108.10	161.62	173.30
CRMS0276 - Just east of Wilkinson Canal	261.71	319.84	158.93	54.72	34.85	27.28	100.48	217.97	240.63	353.13	401.95	177.43
Barataria Waterway at Lafitte (USACE82875)	116.66	99.44	24.30	12.60	13.16	11.58	19.45	47.13	45.33	115.66	176.81	28.14
USGS2928590900040000 Barataria Waterway South of Lafitte	144.92	231.65	188.53	72.40	54.49	44.42	66.73	96.01	164.84	151.37	231.52	231.06
USGS7380251 Barataria Bay North of Grand Isle	83.38	109.62	81.78	87.60	80.99	69.47	59.88	59.42	58.26	57.15	97.23	100.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	250.66	283.61	200.56	126.11	107.98	88.59	110.90	200.17	174.93	200.90	325.25	279.72
USGS 07380335 - Little Lake Near Cutoff	327.46	341.75	244.01	136.08	114.52	84.29	134.80	268.06	234.49	291.70	411.46	318.73
USGS073802516 Barataria Pass at Grand Isle	297.19	331.18	227.43	166.89	151.40	122.58	164.96	284.41	211.83	250.74	343.48	312.80
HWQ14 - Lake Washington	145.04	173.45	117.42	125.02	127.50	102.05	91.37	127.24	104.35	97.56	161.23	179.79
HWQ16 - Bayou Grand Liard	519.46	504.37	367.99	245.16	185.10	170.55	333.25	475.08	442.39	529.47	579.95	424.13
CRMS 3985	50.99	64.97	51.74	74.47	76.86	67.59	55.61	44.67	37.97	37.88	52.99	58.99
CRMS 0258	181.95	288.07	212.02	49.54	35.63	27.12	57.31	117.50	164.80	230.20	366.57	240.05
CRMS 0224	234.40	305.27	235.79	82.80	63.78	53.27	89.19	175.92	196.26	233.71	365.46	293.87
CRMS 0163	86.84	89.53	17.32	13.00	12.46	12.15	21.27	50.54	56.07	128.19	87.44	16.65
CRMS 0162	241.36	380.75	161.60	147.20	92.49	40.14	15.57	107.67	344.41	455.16	385.52	84.64

V3PR3 HYST - cy 4 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.77	20.16	11.89	11.35	12.26	11.54	13.05	15.85	19.59	19.76	21.57	11.92
CRMS0276 - Just east of Wilkinson Canal	224.64	314.83	166.46	53.27	33.01	26.88	67.12	188.07	228.59	348.33	401.44	191.55
Barataria Waterway at Lafitte (USACE82875)	114.15	106.51	27.49	13.14	13.62	11.61	21.10	50.57	49.43	130.88	187.26	33.99
USGS2928590900040000 Barataria Waterway South of Lafitte	32.20	94.08	15.41	11.43	12.26	11.46	12.87	31.23	91.55	86.68	129.79	12.43
USGS7380251 Barataria Bay North of Grand Isle	24.76	62.58	25.47	14.22	14.15	13.36	12.43	20.13	27.93	34.16	64.80	28.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	134.97	212.46	56.50	22.62	19.72	17.85	20.60	131.81	132.57	158.08	265.61	76.79
USGS 07380335 - Little Lake Near Cutoff	230.98	285.65	103.20	36.30	28.05	21.55	40.20	215.48	199.21	260.28	373.54	155.79
USGS073802516 Barataria Pass at Grand Isle	186.11	267.26	96.11	49.85	46.49	40.65	58.63	223.90	170.67	212.69	293.05	144.64
HWQ14 - Lake Washington	53.18	110.45	43.13	26.29	31.02	22.91	15.85	61.14	67.06	69.13	116.46	63.20
HWQ16 - Bayou Grand Liard	474.15	475.97	294.38	174.64	130.40	130.09	284.30	463.00	418.13	513.47	561.70	358.29
CRMS 3985	21.13	37.57	25.23	16.39	15.50	14.53	12.51	14.20	19.61	24.95	37.30	31.23
CRMS 0258	95.89	247.33	109.22	29.82	19.72	12.53	12.86	64.01	153.86	206.74	350.05	146.95
CRMS 0224	129.32	242.77	89.43	28.14	19.70	13.90	16.35	112.09	168.15	201.61	326.98	131.11
CRMS 0163	87.46	91.16	17.87	13.80	12.54	12.32	23.25	53.13	58.05	145.71	91.45	18.29
CRMS 0162	244.63	384.33	163.22	140.59	99.24	39.43	16.34	106.83	363.99	482.57	390.99	90.66

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-102.12	-158.56	-126.08	-73.60	-54.81	-43.91	-49.88	-61.95	-101.80	-88.34	-140.05	-161.38
CRMS0276 - Just east of Wilkinson Canal	-37.06	-5.01	7.53	-1.46	-1.84	-0.40	-33.36	-29.90	-12.03	-4.81	-0.51	14.12
Barataria Waterway at Lafitte (USACE82875)	-2.50	7.07	3.19	0.54	0.47	0.03	1.65	3.44	4.10	15.22	10.45	5.85
USGS2928590900040000 Barataria Waterway South of Lafitte	-112.72	-137.57	-173.11	-60.97	-42.24	-32.96	-53.86	-64.78	-73.30	-64.69	-101.73	-218.63
USGS7380251 Barataria Bay North of Grand Isle	-58.62	-47.04	-56.31	-73.38	-66.84	-56.10	-47.45	-39.29	-30.33	-22.99	-32.43	-72.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	-115.69	-71.14	-144.05	-103.49	-88.26	-70.74	-90.30	-68.36	-42.35	-42.82	-59.64	-202.93
USGS 07380335 - Little Lake Near Cutoff	-96.48	-56.10	-140.80	-99.78	-86.47	-62.74	-94.60	-52.58	-35.27	-31.42	-37.92	-162.94
USGS073802516 Barataria Pass at Grand Isle	-111.08	-63.92	-131.32	-117.04	-104.91	-81.93	-106.33	-60.51	-41.16	-38.05	-50.43	-168.16
HWQ14 - Lake Washington	-91.86	-63.00	-74.28	-98.73	-96.49	-79.14	-75.51	-66.10	-37.29	-28.43	-44.77	-116.59
HWQ16 - Bayou Grand Liard	-45.31	-28.40	-73.61	-70.52	-54.71	-40.46	-48.94	-12.07	-24.25	-16.01	-18.25	-65.83
CRMS 3985	-29.86	-27.40	-26.51	-58.08	-61.37	-53.06	-43.10	-30.47	-18.36	-12.93	-15.69	-27.76
CRMS 0258	-86.06	-40.74	-102.80	-19.72	-15.91	-14.58	-44.45	-53.50	-10.93	-23.45	-16.52	-93.10
CRMS 0224	-105.08	-62.50	-146.36	-54.65	-44.08	-39.38	-72.84	-63.83	-28.11	-32.10	-38.48	-162.76
CRMS 0163	0.62	1.63	0.55	0.80	0.07	0.17	1.98	2.59	1.98	17.52	4.01	1.64
CRMS 0162	3.27	3.58	1.62	-6.61	6.75	-0.71	0.78	-0.84	19.58	27.40	5.47	6.02

Figure WQ SO4 170 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.83	177.39	118.39	71.10	54.81	51.78	61.46	74.68	106.15	82.29	133.19	172.81
CRMS0276 - Just east of Wilkinson Canal	360.87	199.35	74.98	35.22	29.54	43.02	88.86	201.52	199.72	238.73	380.20	396.54
Barataria Waterway at Lafitte (USACE82875)	146.68	41.69	12.96	12.09	11.51	11.72	15.92	39.12	29.22	67.94	175.33	118.58
USGS2928590900040000 Barataria Waterway South of Lafitte	194.17	215.12	137.66	58.66	42.80	42.86	66.14	91.51	140.28	108.04	191.05	241.46
USGS7380251 Barataria Bay North of Grand Isle	95.31	115.76	84.53	80.45	72.05	63.34	57.00	57.40	53.05	47.47	80.76	93.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	320.95	267.95	161.26	107.07	91.12	86.52	110.73	186.52	152.42	154.30	280.16	305.73
USGS 07380335 - Little Lake Near Cutoff	415.05	305.80	179.15	111.73	97.95	87.22	131.01	247.96	201.96	225.45	366.82	387.65
USGS073802516 Barataria Pass at Grand Isle	371.67	313.93	189.20	143.35	131.03	127.49	163.59	267.73	189.11	199.04	301.16	350.92
HWQ14 - Lake Washington	174.93	180.99	118.83	113.67	110.09	96.92	92.01	121.83	95.76	80.28	132.02	169.26
HWQ16 - Bayou Grand Liard	592.62	429.02	288.73	204.27	175.48	203.11	313.61	456.42	400.13	448.28	555.19	560.62
CRMS 3985	55.04	71.86	61.13	74.29	71.52	61.42	51.80	43.02	35.89	33.08	44.82	53.00
CRMS 0258	281.76	211.13	106.37	37.93	27.42	29.41	59.55	109.89	130.94	148.53	314.42	351.85
CRMS 0224	324.82	257.07	148.13	65.79	51.92	54.78	89.85	163.63	166.35	167.15	312.97	357.66
CRMS 0163	82.19	33.90	11.93	12.07	11.35	12.89	16.39	45.78	41.06	76.44	104.58	75.81
CRMS 0162	160.09	160.14	118.42	93.78	96.92	64.39	14.36	94.97	228.55	238.43	429.28	332.77

V3PR4 HYST - cy 4 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.48	14.59	11.24	11.83	11.10	11.47	12.13	15.29	15.61	16.82	22.25	19.79
CRMS0276 - Just east of Wilkinson Canal	317.89	194.54	68.75	27.82	23.91	31.98	43.51	138.52	187.83	239.77	373.67	380.45
Barataria Waterway at Lafitte (USACE82875)	140.06	43.32	13.62	12.04	11.54	11.82	15.63	37.23	27.97	73.59	174.08	111.56
USGS2928590900040000 Barataria Waterway South of Lafitte	32.97	39.37	11.21	11.81	11.11	11.40	11.94	18.55	48.24	31.17	118.93	105.57
USGS7380251 Barataria Bay North of Grand Isle	37.52	32.15	13.48	12.25	11.77	11.40	10.93	14.48	23.22	23.86	61.75	57.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	145.71	104.45	14.56	13.43	12.50	12.91	12.69	64.08	101.37	94.04	245.59	230.64
USGS 07380335 - Little Lake Near Cutoff	281.34	159.23	23.52	16.99	14.72	15.05	19.85	130.78	161.27	178.88	348.18	336.99
USGS073802516 Barataria Pass at Grand Isle	223.07	163.19	28.90	21.68	21.95	25.82	28.46	144.87	147.43	155.21	278.69	293.13
HWQ14 - Lake Washington	74.11	61.70	18.51	15.66	17.16	14.39	11.08	33.84	64.57	49.17	115.95	117.97
HWQ16 - Bayou Grand Liard	538.36	351.34	160.07	98.08	88.75	126.25	214.85	393.75	375.29	440.35	543.07	539.25
CRMS 3985	32.28	27.43	16.33	13.06	12.48	11.46	10.60	11.91	18.31	21.56	38.10	39.07
CRMS 0258	157.91	119.82	28.28	17.37	12.80	12.16	11.46	37.73	113.59	116.22	307.37	318.52
CRMS 0224	166.35	118.79	20.55	16.07	12.54	12.44	12.03	55.64	129.77	111.95	295.67	309.21
CRMS 0163	81.85	35.46	12.15	12.08	11.39	13.08	16.50	42.57	39.35	81.24	103.05	72.42
CRMS 0162	169.51	160.86	127.40	91.04	97.74	65.03	14.58	95.70	230.26	254.33	453.63	341.23

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-128.34	-162.80	-107.16	-59.27	-43.71	-40.31	-49.33	-59.39	-90.54	-65.47	-110.93	-153.03
CRMS0276 - Just east of Wilkinson Canal	-42.98	-4.81	-6.24	-7.40	-5.64	-11.04	-45.36	-63.00	-11.89	1.04	-6.52	-16.09
Barataria Waterway at Lafitte (USACE82875)	-6.62	1.63	0.66	-0.05	0.03	0.10	-0.30	-1.89	-1.26	5.65	-1.25	-7.02
USGS2928590900040000 Barataria Waterway South of Lafitte	-161.19	-175.76	-126.45	-46.85	-31.69	-31.46	-54.20	-72.96	-92.04	-76.87	-72.12	-135.89
USGS7380251 Barataria Bay North of Grand Isle	-57.79	-83.60	-71.06	-68.20	-60.29	-51.94	-46.07	-42.92	-29.83	-23.61	-19.01	-35.91
USGS73802515 Hackberry Bay Northwest of Grand Isle	-175.24	-163.49	-146.70	-93.64	-78.62	-73.61	-98.04	-122.44	-51.05	-60.26	-34.57	-75.09
USGS 07380335 - Little Lake Near Cutoff	-133.70	-146.58	-155.64	-94.73	-83.23	-72.17	-111.15	-117.18	-40.69	-46.57	-18.64	-50.66
USGS073802516 Barataria Pass at Grand Isle	-148.60	-150.74	-160.30	-121.68	-109.08	-101.67	-135.13	-122.86	-41.68	-43.83	-22.48	-57.79
HWQ14 - Lake Washington	-100.82	-119.29	-100.31	-98.00	-92.93	-82.52	-80.93	-87.99	-31.19	-31.11	-16.07	-51.29
HWQ16 - Bayou Grand Liard	-54.26	-77.68	-128.66	-106.18	-86.73	-76.86	-98.76	-62.66	-24.84	-7.94	-12.12	-21.37
CRMS 3985	-22.76	-44.43	-44.80	-61.22	-59.04	-49.96	-41.21	-31.11	-17.58	-11.52	-6.71	-13.93
CRMS 0258	-123.85	-91.32	-78.10	-20.55	-14.61	-17.25	-48.09	-72.16	-17.35	-32.31	-7.05	-33.33
CRMS 0224	-158.46	-138.28	-127.58	-49.72	-39.38	-42.34	-77.82	-107.99	-36.58	-55.20	-17.30	-48.45
CRMS 0163	-0.34	1.56	0.22	0.01	0.04	0.19	0.11	-3.21	-1.71	4.80	-1.53	-3.39
CRMS 0162	9.43	0.72	8.98	-2.74	0.82	0.64	0.23	0.73	1.70	15.89	24.35	8.46

Figure WQ SO4 171 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.18	159.96	106.63	67.05	59.62	54.98	73.61	90.68	158.66	136.67	178.55	181.08
CRMS0276 - Just east of Wilkinson Canal	300.36	118.77	57.78	45.40	33.33	101.64	239.73	333.66	321.97	409.08	388.85	263.21
Barataria Waterway at Lafitte (USACE82875)	118.45	18.93	11.70	11.90	11.33	23.11	60.61	98.76	77.24	163.08	160.78	53.56
USGS2928590900040000 Barataria Waterway South of Lafitte	167.46	184.38	110.74	56.68	47.71	46.58	83.34	119.71	228.82	199.87	252.58	241.88
USGS7380251 Barataria Bay North of Grand Isle	91.36	113.78	89.78	78.27	75.34	66.42	61.19	55.88	66.07	67.65	108.18	105.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	282.92	236.25	140.92	104.78	97.43	95.99	166.90	269.36	231.40	249.77	345.52	293.65
USGS 07380335 - Little Lake Near Cutoff	364.01	255.89	150.86	114.63	104.96	107.13	238.79	371.50	306.81	349.63	425.31	347.75
USGS073802516 Barataria Pass at Grand Isle	332.26	277.63	170.86	142.92	139.02	152.45	261.34	373.97	269.67	297.13	361.62	333.02
HWQ14 - Lake Washington	161.99	174.24	121.50	109.60	115.76	100.67	108.82	148.94	127.20	118.77	179.85	184.73
HWQ16 - Bayou Grand Liard	549.68	354.35	256.56	223.89	184.70	280.39	505.28	585.07	508.19	569.55	576.38	484.93
CRMS 3985	55.72	74.72	72.96	75.10	73.78	64.12	51.47	34.51	38.74	42.13	58.92	62.57
CRMS 0258	225.81	155.31	76.00	41.91	30.98	39.00	100.91	178.85	245.83	305.88	378.78	264.73
CRMS 0224	274.09	205.11	114.00	68.98	57.45	65.77	145.08	246.93	276.95	299.52	384.19	313.69
CRMS 0163	68.96	14.73	11.26	11.67	11.21	39.56	65.42	96.29	98.48	183.18	71.33	31.90
CRMS 0162	163.78	107.20	98.07	123.53	107.49	125.86	41.82	247.16	488.48	546.24	365.78	156.87

V3PR4 HYST - cy 4 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.98	11.48	10.85	10.93	10.99	15.21	16.05	17.52	19.98	20.50	22.21	15.23
CRMS0276 - Just east of Wilkinson Canal	245.96	113.01	46.49	37.42	27.06	87.70	213.19	312.83	311.64	396.05	382.58	251.48
Barataria Waterway at Lafitte (USACE82875)	114.37	21.14	11.94	11.93	11.39	22.81	56.48	93.56	71.97	157.58	158.55	52.59
USGS2928590900040000 Barataria Waterway South of Lafitte	23.76	11.54	10.84	10.92	10.95	14.96	22.00	45.50	123.14	97.57	145.37	66.77
USGS7380251 Barataria Bay North of Grand Isle	23.77	15.13	11.59	11.15	11.25	13.05	17.35	27.86	33.23	36.69	65.12	42.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	86.60	31.58	12.31	12.55	12.44	32.86	112.10	218.98	175.70	182.16	273.35	150.67
USGS 07380335 - Little Lake Near Cutoff	194.35	64.51	16.71	16.83	15.18	47.38	195.42	337.97	261.59	301.64	379.58	235.41
USGS073802516 Barataria Pass at Grand Isle	152.22	71.42	19.95	21.79	24.35	77.76	213.21	339.35	220.84	243.20	301.25	220.99
HWQ14 - Lake Washington	43.20	25.33	13.40	13.88	17.52	23.90	52.66	110.36	84.84	77.45	124.88	97.81
HWQ16 - Bayou Grand Liard	474.48	238.64	121.09	115.04	98.55	242.60	487.09	572.15	492.27	548.51	554.24	436.62
CRMS 3985	21.42	16.68	12.68	11.40	11.49	11.90	13.18	17.80	23.31	27.11	36.60	31.96
CRMS 0258	90.58	59.18	18.33	17.68	13.31	20.04	56.32	139.95	226.37	269.19	359.32	187.59
CRMS 0224	95.70	50.77	14.76	15.60	12.83	26.54	99.44	207.95	235.42	249.23	340.89	197.49
CRMS 0163	69.18	16.25	11.40	11.76	11.25	38.94	59.87	92.44	92.99	177.47	74.42	33.64
CRMS 0162	173.41	114.62	111.67	131.82	111.67	123.24	43.49	249.51	482.29	551.94	369.82	153.78

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-115.20	-148.48	-95.78	-56.12	-48.64	-39.77	-57.57	-73.17	-138.69	-116.17	-156.34	-165.86
CRMS0276 - Just east of Wilkinson Canal	-54.40	-5.76	-11.29	-7.98	-6.28	-13.94	-26.54	-20.82	-10.33	-13.03	-6.28	-11.74
Barataria Waterway at Lafitte (USACE82875)	-4.08	2.21	0.24	0.03	0.05	-0.30	-4.13	-5.19	-5.26	-5.49	-2.22	-0.97
USGS2928590900040000 Barataria Waterway South of Lafitte	-143.70	-172.84	-99.90	-45.76	-36.76	-31.62	-61.34	-74.20	-105.67	-102.30	-107.21	-175.10
USGS7380251 Barataria Bay North of Grand Isle	-67.59	-98.65	-78.19	-67.13	-64.10	-53.37	-43.85	-28.02	-32.85	-30.96	-43.06	-62.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	-196.33	-204.67	-128.61	-92.22	-84.99	-63.13	-54.80	-50.38	-55.71	-67.61	-72.17	-142.98
USGS 07380335 - Little Lake Near Cutoff	-169.66	-191.38	-134.15	-97.79	-89.77	-59.74	-43.37	-33.53	-45.22	-47.99	-45.73	-112.34
USGS073802516 Barataria Pass at Grand Isle	-180.04	-206.21	-150.92	-121.13	-114.66	-74.69	-48.13	-34.62	-48.83	-53.94	-60.37	-112.03
HWQ14 - Lake Washington	-118.79	-148.91	-108.10	-95.72	-98.24	-76.78	-56.16	-38.58	-42.36	-41.32	-54.97	-86.92
HWQ16 - Bayou Grand Liard	-75.20	-115.72	-135.48	-108.85	-86.15	-37.80	-18.20	-12.91	-15.92	-21.04	-22.14	-48.31
CRMS 3985	-34.30	-58.04	-60.27	-63.70	-62.30	-52.22	-38.30	-16.71	-15.42	-15.02	-22.32	-30.60
CRMS 0258	-135.23	-96.13	-57.66	-24.23	-17.67	-18.96	-44.59	-38.90	-19.46	-36.69	-19.46	-77.13
CRMS 0224	-178.39	-154.35	-99.24	-53.38	-44.62	-39.23	-45.64	-38.97	-41.53	-50.28	-43.30	-116.20
CRMS 0163	0.22	1.52	0.14	0.09	0.04	-0.62	-5.55	-3.85	-5.49	-5.71	3.09	1.74
CRMS 0162	9.63	7.43	13.60	8.28	4.18	-2.63	1.67	2.36	-6.19	5.70	4.04	-3.09

Figure WQ SO4 172 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.63	187.23	130.34	120.62	133.05	116.24	92.08	101.37	190.71	175.76	176.74	162.60
CRMS0276 - Just east of Wilkinson Canal	396.93	203.16	218.99	155.43	155.32	227.52	328.99	439.61	444.33	413.36	319.53	274.96
Barataria Waterway at Lafitte (USACE82875)	202.17	45.12	42.86	40.82	49.68	43.44	122.72	188.59	328.68	110.19	113.62	66.16
USGS2928590900040000 Barataria Waterway South of Lafitte	178.90	230.21	168.89	121.99	135.97	120.28	112.69	137.65	292.34	262.19	242.08	210.54
USGS7380251 Barataria Bay North of Grand Isle	91.94	121.87	79.57	96.74	112.56	102.64	62.30	58.80	74.79	83.54	112.20	99.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	315.03	283.93	188.41	170.61	182.36	172.95	199.93	328.40	296.08	305.95	333.44	268.16
USGS 07380335 - Little Lake Near Cutoff	421.27	316.87	240.97	203.93	214.27	199.46	299.21	458.58	394.22	404.41	400.12	327.16
USGS073802516 Barataria Pass at Grand Isle	369.57	328.59	221.52	224.25	252.02	256.80	310.88	446.45	336.36	349.37	352.25	314.49
HWQ14 - Lake Washington	167.54	193.96	111.59	139.20	177.20	159.94	117.45	171.11	148.84	149.13	185.06	170.12
HWQ16 - Bayou Grand Liard	619.06	441.41	420.03	365.50	356.78	403.00	584.65	669.16	591.05	586.81	537.78	487.96
CRMS 3985	54.39	74.70	51.58	71.52	92.38	88.79	44.20	33.97	42.08	49.04	64.04	61.31
CRMS 0258	273.72	222.08	203.42	115.01	122.89	136.39	155.98	219.71	362.77	369.01	319.87	242.70
CRMS 0224	311.80	270.93	216.94	150.19	161.97	154.84	189.82	303.81	374.47	368.32	356.23	284.72
CRMS 0163	132.52	39.70	32.56	64.35	34.26	71.47	130.71	187.53	353.62	112.22	48.10	50.64
CRMS 0162	296.62	191.76	290.78	310.59	273.80	268.39	277.38	452.67	654.36	453.96	272.12	167.76

V3PR4 HYST - cy 4 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	19.38	14.59	16.23	16.40	14.60	17.58	18.97	19.30	21.19	19.80	20.10	18.00
CRMS0276 - Just east of Wilkinson Canal	361.58	192.69	210.09	140.09	151.64	203.63	304.63	403.25	399.07	369.82	302.82	256.44
Barataria Waterway at Lafitte (USACE82875)	188.17	47.63	43.96	39.41	51.48	41.06	115.17	162.29	277.99	98.89	104.64	61.91
USGS2928590900040000 Barataria Waterway South of Lafitte	69.53	18.53	36.33	30.62	16.88	33.11	29.65	49.69	151.08	114.80	129.49	88.02
USGS7380251 Barataria Bay North of Grand Isle	42.36	32.70	31.82	31.32	32.17	42.04	39.52	33.82	37.37	40.84	62.23	48.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	217.19	97.68	94.20	79.56	58.04	105.82	157.57	240.86	208.85	203.36	246.70	187.45
USGS 07380335 - Little Lake Near Cutoff	353.43	170.60	160.24	119.43	92.59	136.32	269.02	396.90	317.22	322.06	337.43	268.56
USGS073802516 Barataria Pass at Grand Isle	287.58	173.86	142.11	132.60	131.46	189.39	276.64	374.44	255.29	262.03	277.07	242.82
HWQ14 - Lake Washington	97.36	70.85	56.05	63.26	80.55	87.48	86.00	102.41	93.56	87.12	118.63	101.34
HWQ16 - Bayou Grand Liard	585.39	385.69	380.54	309.97	293.92	365.45	572.07	643.52	548.22	540.45	499.93	454.01
CRMS 3985	27.69	31.10	27.50	27.90	34.68	37.26	33.09	24.91	27.07	29.52	37.18	31.11
CRMS 0258	213.97	128.80	138.92	85.10	76.28	91.63	101.86	166.15	309.83	298.72	283.44	208.92
CRMS 0224	241.55	126.56	129.08	90.26	72.96	100.83	151.26	238.96	297.18	280.88	297.14	234.24
CRMS 0163	126.28	42.68	33.48	61.29	36.97	68.15	122.11	167.97	302.92	100.83	46.28	49.71
CRMS 0162	299.07	193.97	298.29	293.68	254.65	289.91	275.38	442.62	641.91	420.44	274.16	162.28

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-117.25	-172.65	-114.10	-104.22	-118.45	-98.66	-73.11	-82.07	-169.52	-155.96	-156.65	-144.60
CRMS0276 - Just east of Wilkinson Canal	-35.35	-10.47	-8.90	-15.34	-3.67	-23.90	-24.35	-36.36	-45.26	-43.54	-16.71	-18.52
Barataria Waterway at Lafitte (USACE82875)	-14.00	2.51	1.10	-1.41	1.80	-2.37	-7.55	-26.30	-50.69	-11.30	-8.98	-4.25
USGS2928590900040000 Barataria Waterway South of Lafitte	-109.37	-211.68	-132.56	-91.37	-119.10	-87.17	-83.04	-87.96	-141.26	-147.38	-112.59	-122.51
USGS7380251 Barataria Bay North of Grand Isle	-49.58	-89.17	-47.76	-65.42	-80.38	-60.60	-22.79	-24.98	-37.42	-42.71	-49.96	-50.75
USGS73802515 Hackberry Bay Northwest of Grand Isle	-97.84	-186.25	-94.20	-91.05	-124.32	-67.13	-42.36	-87.55	-87.23	-102.59	-86.74	-80.71
USGS 07380335 - Little Lake Near Cutoff	-67.85	-146.27	-80.73	-84.50	-121.68	-63.14	-30.19	-61.68	-77.00	-82.36	-62.68	-58.59
USGS073802516 Barataria Pass at Grand Isle	-81.99	-154.74	-79.41	-91.66	-120.56	-67.41	-34.25	-72.01	-81.06	-87.34	-75.18	-71.67
HWQ14 - Lake Washington	-70.18	-123.11	-55.54	-75.94	-96.65	-72.46	-31.45	-68.70	-55.27	-62.01	-66.43	-68.78
HWQ16 - Bayou Grand Liard	-33.67	-55.72	-39.49	-55.54	-62.87	-37.55	-12.58	-25.64	-42.82	-46.36	-37.85	-33.95
CRMS 3985	-26.70	-43.60	-24.08	-43.61	-57.70	-51.53	-11.10	-9.06	-15.01	-19.52	-26.86	-30.20
CRMS 0258	-59.75	-93.28	-64.50	-29.91	-46.61	-44.75	-54.12	-53.56	-52.94	-70.29	-36.43	-33.78
CRMS 0224	-70.25	-144.37	-87.86	-59.93	-89.01	-54.01	-38.56	-64.84	-77.29	-87.44	-59.09	-50.49
CRMS 0163	-6.23	2.99	0.92	-3.07	2.71	-3.31	-8.60	-19.56	-50.70	-11.40	-1.82	-0.93
CRMS 0162	2.45	2.21	7.50	-16.91	-19.16	21.52	-2.00	-10.05	-12.45	-33.52	2.05	-5.48

Figure WQ SO4 173 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.94	159.01	102.48	81.85	84.33	73.08	61.00	55.14	94.49	94.73	147.03	178.34
CRMS0276 - Just east of Wilkinson Canal	327.44	85.19	84.38	62.32	74.91	60.49	123.59	189.41	211.83	314.97	380.09	354.08
Barataria Waterway at Lafitte (USACE82875)	102.59	14.36	15.51	15.54	25.52	13.02	21.75	36.44	37.80	93.95	170.93	91.81
USGS2928590900040000 Barataria Waterway South of Lafitte	190.23	177.53	103.79	73.32	78.79	62.66	71.37	72.34	132.97	137.39	210.72	247.65
USGS7380251 Barataria Bay North of Grand Isle	95.16	116.25	90.38	87.90	89.69	81.43	49.04	37.48	42.43	47.53	87.85	97.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	301.94	224.44	141.41	123.84	130.71	115.84	114.41	165.44	145.31	183.26	301.37	304.75
USGS 07380335 - Little Lake Near Cutoff	385.34	233.26	159.53	136.36	148.80	117.95	148.40	229.19	202.42	270.58	385.45	376.96
USGS073802516 Barataria Pass at Grand Isle	350.72	261.94	175.00	168.25	187.17	163.84	175.49	246.05	179.85	230.70	321.27	347.46
HWQ14 - Lake Washington	169.57	174.40	120.63	124.40	143.23	123.68	83.12	95.01	81.98	83.22	146.29	175.04
HWQ16 - Bayou Grand Liard	553.01	318.11	294.38	261.50	261.87	236.20	358.11	428.52	408.34	505.41	562.14	538.47
CRMS 3985	56.13	77.96	75.84	80.97	83.59	75.23	37.65	25.86	27.60	30.93	47.52	55.18
CRMS 0258	273.87	132.24	75.62	55.76	62.80	40.56	71.65	98.20	136.97	214.32	332.73	333.23
CRMS 0224	307.36	182.71	114.11	87.40	97.00	75.82	100.50	147.09	166.51	216.68	335.34	351.47
CRMS 0163	43.35	11.86	14.46	25.48	15.94	15.43	23.95	38.32	45.73	96.80	93.75	69.20
CRMS 0162	117.32	82.92	150.68	167.70	191.53	79.71	16.96	84.57	283.16	348.25	409.10	283.22

V3PR4 HYST - cy 4 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.58	10.97	12.38	11.77	12.05	12.46	13.18	14.83	17.80	18.68	22.17	19.28
CRMS0276 - Just east of Wilkinson Canal	234.16	78.94	65.27	53.05	68.65	44.17	65.96	131.09	200.86	302.86	373.62	335.24
Barataria Waterway at Lafitte (USACE82875)	98.28	15.35	16.16	15.90	26.86	13.49	21.74	36.15	34.45	94.78	165.29	85.34
USGS2928590900040000 Barataria Waterway South of Lafitte	14.18	10.96	12.35	11.69	12.09	12.31	12.96	19.13	72.86	75.70	129.08	109.15
USGS7380251 Barataria Bay North of Grand Isle	26.25	14.02	13.12	12.09	13.10	13.03	12.34	15.33	26.76	33.67	62.25	57.30
USGS73802515 Hackberry Bay Northwest of Grand Isle	67.05	22.12	15.45	15.42	18.69	16.82	15.94	59.76	120.21	152.09	249.75	227.24
USGS 07380335 - Little Lake Near Cutoff	162.13	43.90	24.51	22.92	29.19	21.75	29.64	117.21	181.53	248.91	352.95	323.31
USGS073802516 Barataria Pass at Grand Isle	134.69	51.22	27.21	30.98	49.07	41.31	45.11	132.17	162.95	208.78	282.26	284.93
HWQ14 - Lake Washington	49.19	21.42	14.86	17.51	28.53	20.50	14.22	32.23	70.84	70.38	115.42	118.00
HWQ16 - Bayou Grand Liard	439.42	191.08	174.70	151.51	171.83	159.20	275.88	387.86	399.46	493.95	543.95	510.46
CRMS 3985	28.33	16.92	13.87	12.58	13.79	13.27	12.18	13.03	19.55	25.36	37.87	38.76
CRMS 0258	87.12	43.72	21.91	25.43	27.82	14.98	12.98	36.40	122.14	195.51	318.38	298.43
CRMS 0224	79.65	36.37	18.68	21.86	25.28	15.95	14.56	53.44	141.01	193.02	306.04	300.59
CRMS 0163	45.98	12.35	15.36	27.81	17.30	16.96	23.78	39.72	43.87	98.43	92.94	66.32
CRMS 0162	126.69	90.35	164.92	163.49	200.03	78.91	17.05	77.86	276.44	342.97	420.33	280.50

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-129.35	-148.04	-90.09	-70.08	-72.28	-60.63	-47.82	-40.30	-76.69	-76.05	-124.86	-159.06
CRMS0276 - Just east of Wilkinson Canal	-93.27	-6.25	-19.12	-9.27	-6.26	-16.32	-57.63	-58.32	-10.97	-12.11	-6.46	-18.84
Barataria Waterway at Lafitte (USACE82875)	-4.31	0.99	0.66	0.36	1.34	0.47	0.00	-0.29	-3.36	0.83	-5.64	-6.47
USGS2928590900040000 Barataria Waterway South of Lafitte	-176.05	-166.56	-91.44	-61.63	-66.69	-50.35	-58.41	-53.21	-60.11	-61.69	-81.64	-138.51
USGS7380251 Barataria Bay North of Grand Isle	-68.91	-102.23	-77.26	-75.81	-76.59	-68.39	-36.70	-22.15	-15.67	-13.86	-25.61	-39.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	-234.89	-202.32	-125.96	-108.42	-112.02	-99.02	-98.47	-105.69	-25.09	-31.16	-51.62	-77.51
USGS 07380335 - Little Lake Near Cutoff	-223.22	-189.35	-135.02	-113.44	-119.61	-96.20	-118.76	-111.98	-20.90	-21.68	-32.50	-53.65
USGS073802516 Barataria Pass at Grand Isle	-216.03	-210.72	-147.78	-137.28	-138.10	-122.54	-130.38	-113.88	-16.89	-21.93	-39.02	-62.53
HWQ14 - Lake Washington	-120.38	-152.97	-105.77	-106.89	-114.70	-103.18	-68.90	-62.78	-11.14	-12.84	-30.87	-57.04
HWQ16 - Bayou Grand Liard	-113.59	-127.03	-119.68	-109.98	-90.04	-77.00	-82.23	-40.66	-8.87	-11.46	-18.20	-28.01
CRMS 3985	-27.80	-61.04	-61.97	-68.39	-69.80	-61.96	-25.48	-12.83	-8.05	-5.57	-9.65	-16.42
CRMS 0258	-186.75	-88.52	-53.72	-30.33	-34.98	-25.58	-58.67	-61.79	-14.83	-18.81	-14.34	-34.81
CRMS 0224	-227.72	-146.34	-95.43	-65.54	-71.73	-59.87	-85.94	-93.65	-25.49	-23.66	-29.31	-50.88
CRMS 0163	2.63	0.50	0.90	2.33	1.36	1.53	-0.17	1.40	-1.86	1.63	-0.81	-2.88
CRMS 0162	9.37	7.43	14.24	-4.22	8.50	-0.80	0.09	-6.71	-6.72	-5.28	11.24	-2.72

Figure WQ SO4 174 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	118.89	178.72	137.97	84.95	67.07	55.45	62.93	77.81	121.39	108.10	161.62	173.30
CRMS0276 - Just east of Wilkinson Canal	261.71	319.84	158.93	54.72	34.85	27.28	100.48	217.97	240.63	353.13	401.95	177.43
Barataria Waterway at Lafitte (USACE82875)	116.66	99.44	24.30	12.60	13.16	11.58	19.45	47.13	45.33	115.66	176.81	28.14
USGS2928590900040000 Barataria Waterway South of Lafitte	144.92	231.65	188.53	72.40	54.49	44.42	66.73	96.01	164.84	151.37	231.52	231.06
USGS7380251 Barataria Bay North of Grand Isle	83.38	109.62	81.78	87.60	80.99	69.47	59.88	59.42	58.26	57.15	97.23	100.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	250.66	283.61	200.56	126.11	107.98	88.59	110.90	200.17	174.93	200.90	325.25	279.72
USGS 07380335 - Little Lake Near Cutoff	327.46	341.75	244.01	136.08	114.52	84.29	134.80	268.06	234.49	291.70	411.46	318.73
USGS073802516 Barataria Pass at Grand Isle	297.19	331.18	227.43	166.89	151.40	122.58	164.96	284.41	211.83	250.74	343.48	312.80
HWQ14 - Lake Washington	145.04	173.45	117.42	125.02	127.50	102.05	91.37	127.24	104.35	97.56	161.23	179.79
HWQ16 - Bayou Grand Liard	519.46	504.37	367.99	245.16	185.10	170.55	333.25	475.08	442.39	529.47	579.95	424.13
CRMS 3985	50.99	64.97	51.74	74.47	76.86	67.59	55.61	44.67	37.97	37.88	52.99	58.99
CRMS 0258	181.95	288.07	212.02	49.54	35.63	27.12	57.31	117.50	164.80	230.20	366.57	240.05
CRMS 0224	234.40	305.27	235.79	82.80	63.78	53.27	89.19	175.92	196.26	233.71	365.46	293.87
CRMS 0163	86.84	89.53	17.32	13.00	12.46	12.15	21.27	50.54	56.07	128.19	87.44	16.65
CRMS 0162	241.36	380.75	161.60	147.20	92.49	40.14	15.57	107.67	344.41	455.16	385.52	84.64

V3PR4 HYST - cy 4 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.63	20.15	11.87	11.35	12.39	11.57	13.05	15.74	18.27	19.62	21.85	11.92
CRMS0276 - Just east of Wilkinson Canal	208.35	306.98	157.67	46.66	28.35	22.70	51.64	167.93	224.10	329.17	387.51	179.69
Barataria Waterway at Lafitte (USACE82875)	103.46	97.04	25.51	12.80	13.63	11.64	19.15	42.01	39.91	104.95	168.62	30.71
USGS2928590900040000 Barataria Waterway South of Lafitte	28.60	89.85	16.25	11.33	12.35	11.49	12.81	27.92	83.80	75.00	128.94	12.23
USGS7380251 Barataria Bay North of Grand Isle	22.60	56.98	22.47	12.72	12.97	11.98	11.63	17.68	25.49	32.09	63.19	26.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	115.16	201.34	40.26	14.94	14.31	13.05	14.73	112.39	124.82	152.19	260.64	45.45
USGS 07380335 - Little Lake Near Cutoff	207.37	275.94	75.35	21.87	17.71	14.72	25.75	189.43	189.94	254.45	368.78	106.21
USGS073802516 Barataria Pass at Grand Isle	165.13	258.15	74.72	30.14	27.53	24.76	36.98	200.90	166.14	210.79	294.55	105.70
HWQ14 - Lake Washington	46.11	105.74	37.50	18.97	20.68	15.59	12.19	52.36	64.48	68.42	121.53	54.65
HWQ16 - Bayou Grand Liard	451.22	469.99	261.94	135.20	101.48	104.25	250.07	436.94	415.97	505.70	553.52	324.32
CRMS 3985	20.67	35.56	23.51	14.58	13.62	12.57	11.30	12.81	18.51	24.04	38.39	30.75
CRMS 0258	82.62	236.39	84.40	21.92	15.82	11.90	12.32	57.60	144.79	201.56	342.62	114.00
CRMS 0224	113.64	234.22	67.65	19.22	15.16	12.14	13.49	98.32	157.11	196.28	325.29	96.71
CRMS 0163	81.47	88.52	18.05	13.72	12.62	12.19	21.29	47.71	51.69	113.24	84.24	17.35
CRMS 0162	242.88	375.84	171.51	153.55	97.02	44.88	16.22	102.93	334.14	446.13	399.54	91.03

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-102.26	-158.57	-126.10	-73.60	-54.69	-43.88	-49.87	-62.07	-103.11	-88.49	-139.77	-161.37
CRMS0276 - Just east of Wilkinson Canal	-53.36	-12.86	-1.26	-8.06	-6.51	-4.58	-48.83	-50.04	-16.53	-23.97	-14.44	2.26
Barataria Waterway at Lafitte (USACE82875)	-13.20	-2.40	1.21	0.20	0.47	0.07	-0.30	-5.12	-5.42	-10.71	-8.20	2.57
USGS2928590900040000 Barataria Waterway South of Lafitte	-116.32	-141.80	-172.27	-61.06	-42.14	-32.93	-53.91	-68.08	-81.04	-76.37	-102.58	-218.83
USGS7380251 Barataria Bay North of Grand Isle	-60.79	-52.65	-59.31	-74.88	-68.02	-57.49	-48.26	-41.75	-32.77	-25.06	-34.03	-74.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	-135.50	-82.26	-160.30	-111.17	-93.67	-75.54	-96.17	-87.78	-50.11	-48.72	-64.61	-234.26
USGS 07380335 - Little Lake Near Cutoff	-120.09	-65.81	-168.66	-114.21	-96.81	-69.57	-109.05	-78.63	-44.54	-37.25	-42.68	-212.51
USGS073802516 Barataria Pass at Grand Isle	-132.07	-73.03	-152.71	-136.75	-123.87	-97.82	-127.98	-83.51	-45.69	-39.96	-48.93	-207.10
HWQ14 - Lake Washington	-98.93	-67.71	-79.92	-106.05	-106.82	-86.45	-79.18	-74.88	-39.86	-29.13	-39.70	-125.14
HWQ16 - Bayou Grand Liard	-68.24	-34.38	-106.05	-109.96	-83.63	-66.30	-83.18	-38.14	-26.41	-23.78	-26.43	-99.80
CRMS 3985	-30.33	-29.41	-28.22	-59.90	-63.24	-55.02	-44.31	-31.87	-19.45	-13.84	-14.60	-28.23
CRMS 0258	-99.33	-51.67	-127.62	-27.63	-19.81	-15.22	-44.99	-59.90	-20.01	-28.63	-23.95	-126.05
CRMS 0224	-120.76	-71.05	-168.14	-63.57	-48.62	-41.14	-75.70	-77.60	-39.15	-37.44	-40.16	-197.16
CRMS 0163	-5.37	-1.01	0.73	0.72	0.16	0.04	0.01	-2.84	-4.37	-14.95	-3.20	0.70
CRMS 0162	1.52	-4.90	9.91	6.35	4.53	4.74	0.65	-4.73	-10.27	-9.03	14.02	6.39

Figure WQ SO4 175 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.83	177.39	118.39	71.10	54.81	51.78	61.46	74.68	106.15	82.29	133.19	172.81
CRMS0276 - Just east of Wilkinson Canal	360.87	199.35	74.98	35.22	29.54	43.02	88.86	201.52	199.72	238.73	380.20	396.54
Barataria Waterway at Lafitte (USACE82875)	146.68	41.69	12.96	12.09	11.51	11.72	15.92	39.12	29.22	67.94	175.33	118.58
USGS2928590900040000 Barataria Waterway South of Lafitte	194.17	215.12	137.66	58.66	42.80	42.86	66.14	91.51	140.28	108.04	191.05	241.46
USGS7380251 Barataria Bay North of Grand Isle	95.31	115.76	84.53	80.45	72.05	63.34	57.00	57.40	53.05	47.47	80.76	93.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	320.95	267.95	161.26	107.07	91.12	86.52	110.73	186.52	152.42	154.30	280.16	305.73
USGS 07380335 - Little Lake Near Cutoff	415.05	305.80	179.15	111.73	97.95	87.22	131.01	247.96	201.96	225.45	366.82	387.65
USGS073802516 Barataria Pass at Grand Isle	371.67	313.93	189.20	143.35	131.03	127.49	163.59	267.73	189.11	199.04	301.16	350.92
HWQ14 - Lake Washington	174.93	180.99	118.83	113.67	110.09	96.92	92.01	121.83	95.76	80.28	132.02	169.26
HWQ16 - Bayou Grand Liard	592.62	429.02	288.73	204.27	175.48	203.11	313.61	456.42	400.13	448.28	555.19	560.62
CRMS 3985	55.04	71.86	61.13	74.29	71.52	61.42	51.80	43.02	35.89	33.08	44.82	53.00
CRMS 0258	281.76	211.13	106.37	37.93	27.42	29.41	59.55	109.89	130.94	148.53	314.42	351.85
CRMS 0224	324.82	257.07	148.13	65.79	51.92	54.78	89.85	163.63	166.35	167.15	312.97	357.66
CRMS 0163	82.19	33.90	11.93	12.07	11.35	12.89	16.39	45.78	41.06	76.44	104.58	75.81
CRMS 0162	160.09	160.14	118.42	93.78	96.92	64.39	14.36	94.97	228.55	238.43	429.28	332.77

V3PR5 HYST - cy 4 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.51	14.57	11.24	11.83	11.10	11.47	12.13	15.31	15.56	16.75	22.22	19.73
CRMS0276 - Just east of Wilkinson Canal	314.42	191.95	68.39	29.49	24.22	31.60	42.52	138.26	187.87	237.87	377.53	381.15
Barataria Waterway at Lafitte (USACE82875)	137.17	42.73	13.62	12.06	11.53	11.72	15.29	34.78	26.30	70.30	172.14	109.51
USGS2928590900040000 Barataria Waterway South of Lafitte	34.34	39.08	11.23	11.81	11.11	11.40	11.96	19.03	47.00	31.19	117.68	106.13
USGS7380251 Barataria Bay North of Grand Isle	36.85	31.31	13.28	12.19	11.74	11.40	10.94	14.64	21.53	22.46	58.49	55.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	144.52	103.26	14.53	13.48	12.60	12.99	12.64	63.85	96.71	91.00	240.76	229.23
USGS 07380335 - Little Lake Near Cutoff	279.20	157.69	23.45	17.32	15.09	15.09	19.59	129.25	156.71	174.63	345.19	335.90
USGS073802516 Barataria Pass at Grand Isle	220.76	160.89	27.92	22.11	23.01	25.81	28.03	144.73	140.68	150.75	275.05	290.65
HWQ14 - Lake Washington	73.12	60.16	18.00	15.39	17.36	14.39	11.05	33.41	57.85	46.14	110.92	115.32
HWQ16 - Bayou Grand Liard	530.75	348.82	158.34	106.11	89.59	125.61	212.06	392.29	374.72	430.82	545.55	535.44
CRMS 3985	31.48	26.62	15.97	12.90	12.41	11.45	10.60	11.90	17.35	20.23	35.86	37.80
CRMS 0258	161.10	120.16	28.66	17.82	12.93	12.18	11.46	37.68	114.09	115.90	306.41	320.75
CRMS 0224	167.93	118.18	20.89	16.29	12.64	12.47	12.04	55.45	128.42	110.64	293.00	309.89
CRMS 0163	78.44	35.17	12.26	12.09	11.40	12.67	16.17	40.26	36.68	75.76	99.61	71.85
CRMS 0162	167.09	161.15	125.77	93.56	95.55	65.52	13.97	95.87	230.60	273.03	437.63	338.69

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-128.32	-162.82	-107.16	-59.27	-43.71	-40.31	-49.33	-59.37	-90.59	-65.54	-110.97	-153.08
CRMS0276 - Just east of Wilkinson Canal	-46.44	-7.40	-6.59	-5.73	-5.33	-11.42	-46.34	-63.26	-11.86	-0.86	-2.67	-15.38
Barataria Waterway at Lafitte (USACE82875)	-9.51	1.04	0.66	-0.03	0.03	0.00	-0.63	-4.34	-2.92	2.36	-3.19	-9.07
USGS2928590900040000 Barataria Waterway South of Lafitte	-159.83	-176.04	-126.44	-46.85	-31.69	-31.46	-54.18	-72.48	-93.28	-76.85	-73.37	-135.33
USGS7380251 Barataria Bay North of Grand Isle	-58.46	-84.44	-71.25	-68.25	-60.32	-51.94	-46.06	-42.76	-31.52	-25.01	-22.27	-37.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	-176.43	-164.69	-146.73	-93.59	-78.53	-73.53	-98.08	-122.68	-55.70	-63.30	-39.39	-76.50
USGS 07380335 - Little Lake Near Cutoff	-135.85	-148.12	-155.71	-94.40	-82.86	-72.14	-111.42	-118.72	-45.24	-50.82	-21.63	-51.74
USGS073802516 Barataria Pass at Grand Isle	-150.91	-153.03	-161.28	-121.25	-108.02	-101.68	-135.56	-123.01	-48.42	-48.28	-26.11	-60.27
HWQ14 - Lake Washington	-101.81	-120.83	-100.82	-98.28	-92.73	-82.53	-80.96	-88.43	-37.90	-34.14	-21.10	-53.94
HWQ16 - Bayou Grand Liard	-61.88	-80.20	-130.38	-98.16	-85.89	-77.50	-101.55	-64.13	-25.41	-17.46	-9.64	-25.18
CRMS 3985	-23.56	-45.24	-45.16	-61.39	-59.11	-49.97	-41.21	-31.12	-18.53	-12.85	-8.96	-15.20
CRMS 0258	-120.67	-90.97	-77.71	-20.11	-14.48	-17.23	-48.09	-72.21	-16.84	-32.63	-8.01	-31.10
CRMS 0224	-156.89	-138.89	-127.24	-49.50	-39.28	-42.31	-77.81	-108.18	-37.94	-56.51	-19.97	-47.78
CRMS 0163	-3.75	1.27	0.34	0.03	0.04	-0.22	-0.22	-5.52	-4.37	-0.68	-4.97	-3.96
CRMS 0162	7.00	1.01	7.35	-0.22	-1.37	1.13	-0.38	0.91	2.04	34.60	8.35	5.92

Figure WQ SO4 176 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.18	159.96	106.63	67.05	59.62	54.98	73.61	90.68	158.66	136.67	178.55	181.08
CRMS0276 - Just east of Wilkinson Canal	300.36	118.77	57.78	45.40	33.33	101.64	239.73	333.66	321.97	409.08	388.85	263.21
Barataria Waterway at Lafitte (USACE82875)	118.45	18.93	11.70	11.90	11.33	23.11	60.61	98.76	77.24	163.08	160.78	53.56
USGS2928590900040000 Barataria Waterway South of Lafitte	167.46	184.38	110.74	56.68	47.71	46.58	83.34	119.71	228.82	199.87	252.58	241.88
USGS7380251 Barataria Bay North of Grand Isle	91.36	113.78	89.78	78.27	75.34	66.42	61.19	55.88	66.07	67.65	108.18	105.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	282.92	236.25	140.92	104.78	97.43	95.99	166.90	269.36	231.40	249.77	345.52	293.65
USGS 07380335 - Little Lake Near Cutoff	364.01	255.89	150.86	114.63	104.96	107.13	238.79	371.50	306.81	349.63	425.31	347.75
USGS073802516 Barataria Pass at Grand Isle	332.26	277.63	170.86	142.92	139.02	152.45	261.34	373.97	269.67	297.13	361.62	333.02
HWQ14 - Lake Washington	161.99	174.24	121.50	109.60	115.76	100.67	108.82	148.94	127.20	118.77	179.85	184.73
HWQ16 - Bayou Grand Liard	549.68	354.35	256.56	223.89	184.70	280.39	505.28	585.07	508.19	569.55	576.38	484.93
CRMS 3985	55.72	74.72	72.96	75.10	73.78	64.12	51.47	34.51	38.74	42.13	58.92	62.57
CRMS 0258	225.81	155.31	76.00	41.91	30.98	39.00	100.91	178.85	245.83	305.88	378.78	264.73
CRMS 0224	274.09	205.11	114.00	68.98	57.45	65.77	145.08	246.93	276.95	299.52	384.19	313.69
CRMS 0163	68.96	14.73	11.26	11.67	11.21	39.56	65.42	96.29	98.48	183.18	71.33	31.90
CRMS 0162	163.78	107.20	98.07	123.53	107.49	125.86	41.82	247.16	488.48	546.24	365.78	156.87

V3PR5 HYST - cy 4 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.95	11.48	10.85	10.93	10.99	15.20	16.02	17.54	20.04	20.25	22.19	15.34
CRMS0276 - Just east of Wilkinson Canal	244.09	111.96	47.67	38.39	26.34	85.30	205.36	294.67	298.42	377.25	377.02	251.91
Barataria Waterway at Lafitte (USACE82875)	112.78	21.09	11.98	11.97	11.39	22.65	54.15	85.52	67.99	144.14	155.28	53.45
USGS2928590900040000 Barataria Waterway South of Lafitte	24.24	11.55	10.84	10.93	10.95	14.98	22.83	47.24	124.54	97.02	141.47	67.34
USGS7380251 Barataria Bay North of Grand Isle	21.36	14.38	11.35	11.05	11.16	12.79	16.98	27.10	31.47	35.01	63.17	40.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	85.03	31.11	12.26	12.59	12.31	32.52	109.35	209.80	165.49	175.35	268.78	148.25
USGS 07380335 - Little Lake Near Cutoff	192.75	63.43	16.87	17.10	14.85	47.39	189.04	320.38	249.55	290.17	374.48	233.13
USGS073802516 Barataria Pass at Grand Isle	149.81	69.27	19.86	22.34	23.23	77.92	208.30	326.39	208.45	236.55	298.19	218.53
HWQ14 - Lake Washington	40.66	23.93	12.82	13.81	16.83	23.38	51.69	107.53	79.90	75.18	122.72	95.15
HWQ16 - Bayou Grand Liard	469.00	237.50	125.22	118.64	96.43	244.79	477.40	548.90	476.87	538.00	550.17	433.55
CRMS 3985	18.02	15.39	12.10	11.13	11.32	11.68	12.95	17.56	22.58	26.13	35.00	29.37
CRMS 0258	91.85	59.20	18.61	18.47	13.28	19.75	55.53	136.07	217.06	256.32	351.85	187.90
CRMS 0224	96.23	50.88	14.97	16.17	12.76	26.21	96.98	199.41	225.29	238.77	335.00	197.41
CRMS 0163	67.55	16.16	11.39	11.89	11.32	38.28	58.24	85.73	85.83	162.20	73.05	33.15
CRMS 0162	170.12	114.18	108.20	132.60	112.11	123.19	42.39	240.04	483.54	546.29	369.06	152.92

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-115.23	-148.48	-95.78	-56.12	-48.64	-39.78	-57.59	-73.14	-138.62	-116.42	-156.35	-165.74
CRMS0276 - Just east of Wilkinson Canal	-56.28	-6.81	-10.12	-7.01	-6.99	-16.34	-34.36	-38.99	-23.56	-31.83	-11.83	-11.31
Barataria Waterway at Lafitte (USACE82875)	-5.67	2.16	0.28	0.07	0.06	-0.46	-6.46	-13.24	-9.25	-18.93	-5.49	-0.12
USGS2928590900040000 Barataria Waterway South of Lafitte	-143.22	-172.83	-99.90	-45.75	-36.76	-31.61	-60.51	-72.46	-104.27	-102.85	-111.11	-174.53
USGS7380251 Barataria Bay North of Grand Isle	-70.00	-99.40	-78.43	-67.22	-64.18	-53.63	-44.21	-28.77	-34.60	-32.64	-45.01	-65.17
USGS73802515 Hackberry Bay Northwest of Grand Isle	-197.89	-205.14	-128.67	-92.19	-85.12	-63.46	-57.55	-59.56	-65.91	-74.41	-76.74	-145.39
USGS 07380335 - Little Lake Near Cutoff	-171.26	-192.46	-133.99	-97.52	-90.11	-59.73	-49.75	-51.12	-57.26	-59.47	-50.84	-114.62
USGS073802516 Barataria Pass at Grand Isle	-182.45	-208.36	-151.00	-120.57	-115.78	-74.54	-53.04	-47.58	-61.22	-60.58	-63.43	-114.49
HWQ14 - Lake Washington	-121.33	-150.31	-108.68	-95.79	-98.93	-77.29	-57.13	-41.41	-47.30	-43.59	-57.13	-89.59
HWQ16 - Bayou Grand Liard	-80.68	-116.85	-131.34	-105.25	-88.27	-35.60	-27.89	-36.17	-31.33	-31.55	-26.22	-51.38
CRMS 3985	-37.70	-59.33	-60.86	-63.97	-62.47	-52.45	-38.52	-16.96	-16.16	-16.01	-23.92	-33.19
CRMS 0258	-133.96	-96.11	-57.39	-23.44	-17.70	-19.25	-45.38	-42.78	-28.77	-49.56	-26.94	-76.83
CRMS 0224	-177.86	-154.24	-99.03	-52.81	-44.69	-39.56	-48.10	-47.52	-51.67	-60.74	-49.19	-116.28
CRMS 0163	-1.41	1.43	0.13	0.22	0.11	-1.28	-7.18	-10.56	-12.66	-20.98	1.72	1.26
CRMS 0162	6.34	6.99	10.13	9.07	4.62	-2.68	0.57	-7.11	-4.94	0.05	3.28	-3.95

Figure WQ SO4 177 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.63	187.23	130.34	120.62	133.05	116.24	92.08	101.37	190.71	175.76	176.74	162.60
CRMS0276 - Just east of Wilkinson Canal	396.93	203.16	218.99	155.43	155.32	227.52	328.99	439.61	444.33	413.36	319.53	274.96
Barataria Waterway at Lafitte (USACE82875)	202.17	45.12	42.86	40.82	49.68	43.44	122.72	188.59	328.68	110.19	113.62	66.16
USGS2928590900040000 Barataria Waterway South of Lafitte	178.90	230.21	168.89	121.99	135.97	120.28	112.69	137.65	292.34	262.19	242.08	210.54
USGS7380251 Barataria Bay North of Grand Isle	91.94	121.87	79.57	96.74	112.56	102.64	62.30	58.80	74.79	83.54	112.20	99.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	315.03	283.93	188.41	170.61	182.36	172.95	199.93	328.40	296.08	305.95	333.44	268.16
USGS 07380335 - Little Lake Near Cutoff	421.27	316.87	240.97	203.93	214.27	199.46	299.21	458.58	394.22	404.41	400.12	327.16
USGS073802516 Barataria Pass at Grand Isle	369.57	328.59	221.52	224.25	252.02	256.80	310.88	446.45	336.36	349.37	352.25	314.49
HWQ14 - Lake Washington	167.54	193.96	111.59	139.20	177.20	159.94	117.45	171.11	148.84	149.13	185.06	170.12
HWQ16 - Bayou Grand Liard	619.06	441.41	420.03	365.50	356.78	403.00	584.65	669.16	591.05	586.81	537.78	487.96
CRMS 3985	54.39	74.70	51.58	71.52	92.38	88.79	44.20	33.97	42.08	49.04	64.04	61.31
CRMS 0258	273.72	222.08	203.42	115.01	122.89	136.39	155.98	219.71	362.77	369.01	319.87	242.70
CRMS 0224	311.80	270.93	216.94	150.19	161.97	154.84	189.82	303.81	374.47	368.32	356.23	284.72
CRMS 0163	132.52	39.70	32.56	64.35	34.26	71.47	130.71	187.53	353.62	112.22	48.10	50.64
CRMS 0162	296.62	191.76	290.78	310.59	273.80	268.39	277.38	452.67	654.36	453.96	272.12	167.76

V3PR5 HYST - cy 4 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	19.55	14.61	16.31	16.36	14.62	17.67	18.96	19.35	21.58	19.54	19.69	17.74
CRMS0276 - Just east of Wilkinson Canal	360.25	190.23	203.95	140.51	144.98	207.40	307.22	401.18	403.90	378.28	302.62	252.59
Barataria Waterway at Lafitte (USACE82875)	187.05	46.47	42.83	37.70	44.79	40.81	113.90	160.59	276.97	99.38	105.14	61.00
USGS2928590900040000 Barataria Waterway South of Lafitte	69.66	18.73	35.12	30.91	17.12	35.02	31.89	53.32	160.86	121.80	130.44	90.25
USGS7380251 Barataria Bay North of Grand Isle	47.44	34.02	32.34	32.07	32.40	41.53	39.32	33.48	37.29	39.95	62.47	51.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	219.42	98.30	92.73	81.19	57.84	104.63	159.09	239.81	211.16	204.97	248.60	187.58
USGS 07380335 - Little Lake Near Cutoff	354.51	170.71	159.37	120.56	92.58	136.85	270.60	395.03	318.83	326.11	339.23	267.70
USGS073802516 Barataria Pass at Grand Isle	290.02	173.18	139.65	133.51	131.11	189.66	278.94	373.66	257.82	264.13	279.08	242.95
HWQ14 - Lake Washington	102.04	72.03	56.22	63.79	79.65	86.86	86.49	102.42	93.71	86.77	119.53	103.31
HWQ16 - Bayou Grand Liard	584.94	382.28	376.96	309.51	289.44	371.18	573.98	640.56	549.28	545.88	500.53	451.42
CRMS 3985	33.52	33.25	28.72	28.77	35.02	37.02	33.01	24.81	27.12	29.15	39.06	37.12
CRMS 0258	213.93	130.25	137.29	86.33	76.52	93.47	104.94	168.79	313.42	308.64	284.90	206.31
CRMS 0224	243.64	128.30	129.30	91.37	73.46	101.24	153.52	239.51	300.58	285.43	299.71	233.09
CRMS 0163	124.93	40.25	33.84	55.45	35.61	67.25	120.25	161.13	309.76	94.97	45.14	47.51
CRMS 0162	297.17	192.13	306.13	292.06	272.47	255.10	261.34	437.15	642.72	410.64	279.66	166.20

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-117.08	-172.62	-114.03	-104.26	-118.44	-98.57	-73.11	-82.02	-169.12	-156.21	-157.05	-144.85
CRMS0276 - Just east of Wilkinson Canal	-36.68	-12.93	-15.05	-14.92	-10.34	-20.12	-21.77	-38.43	-40.44	-35.07	-16.91	-22.36
Barataria Waterway at Lafitte (USACE82875)	-15.12	1.35	-0.04	-3.12	-4.89	-2.62	-8.81	-27.99	-51.71	-10.80	-8.48	-5.16
USGS2928590900040000 Barataria Waterway South of Lafitte	-109.24	-211.48	-133.78	-91.08	-118.86	-85.26	-80.80	-84.33	-131.48	-140.39	-111.63	-120.29
USGS7380251 Barataria Bay North of Grand Isle	-44.50	-87.85	-47.23	-64.68	-80.16	-61.11	-22.98	-25.32	-37.50	-43.59	-49.72	-47.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	-95.61	-185.63	-95.68	-89.42	-124.52	-68.31	-40.84	-88.59	-84.92	-100.98	-84.84	-80.58
USGS 07380335 - Little Lake Near Cutoff	-66.77	-146.16	-81.60	-83.37	-121.69	-62.61	-28.61	-63.55	-75.39	-78.31	-60.88	-59.46
USGS073802516 Barataria Pass at Grand Isle	-79.55	-155.41	-81.88	-90.75	-120.91	-67.14	-31.95	-72.79	-78.53	-85.23	-73.17	-71.53
HWQ14 - Lake Washington	-65.49	-121.93	-55.37	-75.42	-97.54	-73.08	-30.96	-68.69	-55.13	-62.36	-65.53	-66.81
HWQ16 - Bayou Grand Liard	-34.11	-59.13	-43.07	-55.99	-67.34	-31.82	-10.67	-28.60	-41.77	-40.92	-37.25	-36.54
CRMS 3985	-20.87	-41.46	-22.86	-42.75	-57.36	-51.77	-11.18	-9.16	-14.96	-19.89	-24.97	-24.19
CRMS 0258	-59.79	-91.84	-66.13	-28.68	-46.37	-42.92	-51.04	-50.92	-49.35	-60.37	-34.97	-36.39
CRMS 0224	-68.16	-142.63	-87.64	-58.82	-88.51	-53.60	-36.30	-64.30	-73.89	-82.89	-56.51	-51.63
CRMS 0163	-7.58	0.55	1.28	-8.90	1.35	-4.22	-10.45	-26.40	-43.85	-17.25	-2.96	-3.13
CRMS 0162	0.56	0.37	15.34	-18.53	-1.34	-13.29	-16.04	-15.52	-11.63	-43.32	7.54	-1.56

Figure WQ SO4 178 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.94	159.01	102.48	81.85	84.33	73.08	61.00	55.14	94.49	94.73	147.03	178.34
CRMS0276 - Just east of Wilkinson Canal	327.44	85.19	84.38	62.32	74.91	60.49	123.59	189.41	211.83	314.97	380.09	354.08
Barataria Waterway at Lafitte (USACE82875)	102.59	14.36	15.51	15.54	25.52	13.02	21.75	36.44	37.80	93.95	170.93	91.81
USGS2928590900040000 Barataria Waterway South of Lafitte	190.23	177.53	103.79	73.32	78.79	62.66	71.37	72.34	132.97	137.39	210.72	247.65
USGS7380251 Barataria Bay North of Grand Isle	95.16	116.25	90.38	87.90	89.69	81.43	49.04	37.48	42.43	47.53	87.85	97.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	301.94	224.44	141.41	123.84	130.71	115.84	114.41	165.44	145.31	183.26	301.37	304.75
USGS 07380335 - Little Lake Near Cutoff	385.34	233.26	159.53	136.36	148.80	117.95	148.40	229.19	202.42	270.58	385.45	376.96
USGS073802516 Barataria Pass at Grand Isle	350.72	261.94	175.00	168.25	187.17	163.84	175.49	246.05	179.85	230.70	321.27	347.46
HWQ14 - Lake Washington	169.57	174.40	120.63	124.40	143.23	123.68	83.12	95.01	81.98	83.22	146.29	175.04
HWQ16 - Bayou Grand Liard	553.01	318.11	294.38	261.50	261.87	236.20	358.11	428.52	408.34	505.41	562.14	538.47
CRMS 3985	56.13	77.96	75.84	80.97	83.59	75.23	37.65	25.86	27.60	30.93	47.52	55.18
CRMS 0258	273.87	132.24	75.62	55.76	62.80	40.56	71.65	98.20	136.97	214.32	332.73	333.23
CRMS 0224	307.36	182.71	114.11	87.40	97.00	75.82	100.50	147.09	166.51	216.68	335.34	351.47
CRMS 0163	43.35	11.86	14.46	25.48	15.94	15.43	23.95	38.32	45.73	96.80	93.75	69.20
CRMS 0162	117.32	82.92	150.68	167.70	191.53	79.71	16.96	84.57	283.16	348.25	409.10	283.22

V3PR5 HYST - cy 4 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.59	10.97	12.38	11.77	12.05	12.46	13.18	14.84	17.93	18.74	22.19	19.14
CRMS0276 - Just east of Wilkinson Canal	232.12	77.61	66.92	51.95	64.38	44.10	67.45	129.46	204.46	301.04	365.12	329.47
Barataria Waterway at Lafitte (USACE82875)	96.80	15.30	16.22	16.20	27.62	13.38	21.79	35.39	34.78	84.48	163.03	82.69
USGS2928590900040000 Barataria Waterway South of Lafitte	14.18	10.97	12.38	11.71	12.10	12.33	13.02	19.60	76.49	81.20	127.52	110.69
USGS7380251 Barataria Bay North of Grand Isle	25.64	13.81	13.05	12.04	12.98	12.87	12.27	15.20	26.15	35.32	61.68	55.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	67.04	22.30	15.52	15.41	18.72	16.53	15.95	58.83	119.61	156.58	248.59	224.77
USGS 07380335 - Little Lake Near Cutoff	162.13	44.20	24.81	23.22	29.10	21.06	29.93	116.21	181.95	253.88	350.18	319.38
USGS073802516 Barataria Pass at Grand Isle	133.98	51.57	27.25	30.88	48.05	39.78	45.38	129.77	162.25	216.43	281.29	281.77
HWQ14 - Lake Washington	48.41	21.15	14.71	17.18	27.98	19.87	13.98	31.03	69.05	76.89	115.95	116.78
HWQ16 - Bayou Grand Liard	437.96	190.73	174.80	152.80	163.68	157.64	277.78	382.56	403.57	495.85	539.42	505.04
CRMS 3985	27.83	16.63	13.72	12.47	13.66	13.09	12.07	12.91	19.24	26.51	37.52	38.39
CRMS 0258	87.42	43.83	22.46	25.42	26.95	14.67	12.98	36.15	122.83	198.36	313.24	294.84
CRMS 0224	81.04	36.67	18.91	21.91	24.73	15.61	14.56	52.89	141.83	197.63	303.49	297.50
CRMS 0163	45.05	12.28	15.56	29.56	17.33	16.47	23.91	38.37	43.56	88.59	90.98	62.40
CRMS 0162	126.09	89.85	165.69	167.17	200.80	75.11	16.89	80.22	267.54	322.61	417.01	285.02

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-129.35	-148.04	-90.09	-70.08	-72.28	-60.63	-47.82	-40.29	-76.56	-76.00	-124.84	-159.19
CRMS0276 - Just east of Wilkinson Canal	-95.31	-7.58	-17.46	-10.37	-10.53	-16.39	-56.14	-59.95	-7.37	-13.93	-14.97	-24.60
Barataria Waterway at Lafitte (USACE82875)	-5.79	0.94	0.71	0.66	2.10	0.37	0.04	-1.05	-3.02	-9.47	-7.89	-9.12
USGS2928590900040000 Barataria Waterway South of Lafitte	-176.05	-166.56	-91.42	-61.62	-66.69	-50.32	-58.35	-52.74	-56.48	-56.19	-83.20	-136.96
USGS7380251 Barataria Bay North of Grand Isle	-69.53	-102.44	-77.32	-75.86	-76.70	-68.55	-36.77	-22.28	-16.28	-12.21	-26.17	-41.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	-234.89	-202.14	-125.89	-108.43	-111.99	-99.31	-98.46	-106.61	-25.70	-26.68	-52.78	-79.98
USGS 07380335 - Little Lake Near Cutoff	-223.21	-189.05	-134.72	-113.14	-119.70	-96.89	-118.47	-112.98	-20.47	-16.70	-35.27	-57.59
USGS073802516 Barataria Pass at Grand Isle	-216.73	-210.37	-147.75	-137.38	-139.12	-124.06	-130.11	-116.29	-17.60	-14.28	-39.98	-65.68
HWQ14 - Lake Washington	-121.16	-153.24	-105.92	-107.22	-115.25	-103.81	-69.14	-63.97	-12.93	-6.34	-30.34	-58.26
HWQ16 - Bayou Grand Liard	-115.04	-127.39	-119.58	-108.70	-98.19	-78.55	-80.33	-45.96	-4.77	-9.56	-22.73	-33.43
CRMS 3985	-28.30	-61.33	-62.12	-68.50	-69.93	-62.14	-25.58	-12.96	-8.36	-4.42	-10.00	-16.79
CRMS 0258	-186.45	-88.42	-53.16	-30.34	-35.85	-25.89	-58.67	-62.04	-14.14	-15.95	-19.48	-38.39
CRMS 0224	-226.33	-146.04	-95.20	-65.49	-72.27	-60.22	-85.94	-94.20	-24.68	-19.05	-31.85	-53.97
CRMS 0163	1.70	0.43	1.10	4.07	1.39	1.04	-0.03	0.05	-2.17	-8.21	-2.77	-6.80
CRMS 0162	8.77	6.93	15.01	-0.53	9.26	-4.59	-0.07	-4.35	-15.62	-25.64	7.92	1.80

Figure WQ SO4 179 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	118.89	178.72	137.97	84.95	67.07	55.45	62.93	77.81	121.39	108.10	161.62	173.30
CRMS0276 - Just east of Wilkinson Canal	261.71	319.84	158.93	54.72	34.85	27.28	100.48	217.97	240.63	353.13	401.95	177.43
Barataria Waterway at Lafitte (USACE82875)	116.66	99.44	24.30	12.60	13.16	11.58	19.45	47.13	45.33	115.66	176.81	28.14
USGS2928590900040000 Barataria Waterway South of Lafitte	144.92	231.65	188.53	72.40	54.49	44.42	66.73	96.01	164.84	151.37	231.52	231.06
USGS7380251 Barataria Bay North of Grand Isle	83.38	109.62	81.78	87.60	80.99	69.47	59.88	59.42	58.26	57.15	97.23	100.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	250.66	283.61	200.56	126.11	107.98	88.59	110.90	200.17	174.93	200.90	325.25	279.72
USGS 07380335 - Little Lake Near Cutoff	327.46	341.75	244.01	136.08	114.52	84.29	134.80	268.06	234.49	291.70	411.46	318.73
USGS073802516 Barataria Pass at Grand Isle	297.19	331.18	227.43	166.89	151.40	122.58	164.96	284.41	211.83	250.74	343.48	312.80
HWQ14 - Lake Washington	145.04	173.45	117.42	125.02	127.50	102.05	91.37	127.24	104.35	97.56	161.23	179.79
HWQ16 - Bayou Grand Liard	519.46	504.37	367.99	245.16	185.10	170.55	333.25	475.08	442.39	529.47	579.95	424.13
CRMS 3985	50.99	64.97	51.74	74.47	76.86	67.59	55.61	44.67	37.97	37.88	52.99	58.99
CRMS 0258	181.95	288.07	212.02	49.54	35.63	27.12	57.31	117.50	164.80	230.20	366.57	240.05
CRMS 0224	234.40	305.27	235.79	82.80	63.78	53.27	89.19	175.92	196.26	233.71	365.46	293.87
CRMS 0163	86.84	89.53	17.32	13.00	12.46	12.15	21.27	50.54	56.07	128.19	87.44	16.65
CRMS 0162	241.36	380.75	161.60	147.20	92.49	40.14	15.57	107.67	344.41	455.16	385.52	84.64

V3PR5 HYST - cy 4 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.62	20.16	11.87	11.35	12.39	11.57	13.05	15.76	18.44	19.84	22.14	11.92
CRMS0276 - Just east of Wilkinson Canal	205.66	303.26	155.42	45.03	27.73	22.48	50.67	159.10	219.52	328.32	383.41	174.03
Barataria Waterway at Lafitte (USACE82875)	102.05	93.97	24.89	12.73	13.43	11.65	18.89	40.61	40.36	100.36	167.04	30.29
USGS2928590900040000 Barataria Waterway South of Lafitte	27.88	88.77	16.22	11.34	12.35	11.50	12.87	28.12	87.00	81.61	127.94	12.18
USGS7380251 Barataria Bay North of Grand Isle	22.40	56.23	21.86	12.60	12.90	11.91	11.62	17.12	25.02	34.46	63.58	25.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	113.65	200.38	39.71	14.92	14.26	12.96	14.59	106.37	123.62	159.44	260.66	45.87
USGS 07380335 - Little Lake Near Cutoff	204.97	275.23	74.30	21.73	17.54	14.59	25.33	179.51	188.64	262.02	368.35	107.76
USGS073802516 Barataria Pass at Grand Isle	163.37	257.66	73.14	29.76	26.80	24.10	36.37	190.28	163.93	221.59	294.54	105.07
HWQ14 - Lake Washington	45.70	104.88	36.56	18.82	20.60	15.25	12.06	50.15	63.86	76.12	122.57	53.56
HWQ16 - Bayou Grand Liard	446.73	467.28	257.11	136.08	96.62	105.45	245.81	421.42	411.80	510.38	552.60	319.40
CRMS 3985	20.57	35.34	23.05	14.31	13.49	12.49	11.26	12.62	18.41	25.63	38.49	30.35
CRMS 0258	81.70	235.74	83.73	21.41	15.71	11.93	12.31	55.42	142.96	205.42	340.82	114.22
CRMS 0224	112.44	233.22	68.12	18.94	15.04	12.15	13.47	93.44	155.92	202.76	325.66	98.76
CRMS 0163	79.78	82.65	17.71	13.37	12.61	12.37	21.03	45.20	50.95	109.39	86.50	17.23
CRMS 0162	239.94	374.81	165.56	156.70	94.77	44.95	16.26	102.67	333.73	444.29	398.85	91.35

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-102.27	-158.56	-126.09	-73.60	-54.69	-43.88	-49.87	-62.05	-102.94	-88.27	-139.48	-161.38
CRMS0276 - Just east of Wilkinson Canal	-56.04	-16.57	-3.51	-9.69	-7.13	-4.80	-49.81	-58.87	-21.11	-24.81	-18.54	-3.41
Barataria Waterway at Lafitte (USACE82875)	-14.60	-5.48	0.59	0.12	0.28	0.07	-0.56	-6.52	-4.97	-15.30	-9.77	2.15
USGS2928590900040000 Barataria Waterway South of Lafitte	-117.04	-142.88	-172.31	-61.05	-42.14	-32.92	-53.86	-67.89	-77.84	-69.75	-103.58	-218.88
USGS7380251 Barataria Bay North of Grand Isle	-60.98	-53.40	-59.91	-75.00	-68.09	-57.56	-48.27	-42.30	-33.24	-22.69	-33.64	-75.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	-137.01	-83.23	-160.85	-111.18	-93.72	-75.63	-96.31	-93.80	-51.30	-41.46	-64.59	-233.84
USGS 07380335 - Little Lake Near Cutoff	-122.49	-66.53	-169.71	-114.35	-96.98	-69.70	-109.47	-88.54	-45.84	-29.68	-43.11	-210.97
USGS073802516 Barataria Pass at Grand Isle	-133.83	-73.52	-154.29	-137.12	-124.60	-98.48	-128.59	-94.13	-47.90	-29.16	-48.95	-207.73
HWQ14 - Lake Washington	-99.34	-68.57	-80.86	-106.20	-106.90	-86.79	-79.31	-77.09	-40.49	-21.44	-38.67	-126.23
HWQ16 - Bayou Grand Liard	-72.73	-37.09	-110.88	-109.07	-88.48	-65.10	-87.44	-53.65	-30.58	-19.09	-27.35	-104.73
CRMS 3985	-30.42	-29.63	-28.68	-60.17	-63.37	-55.10	-44.35	-32.05	-19.56	-12.26	-14.49	-28.63
CRMS 0258	-100.26	-52.32	-128.29	-28.13	-19.92	-15.19	-45.00	-62.08	-21.83	-24.78	-25.75	-125.83
CRMS 0224	-121.96	-72.04	-167.67	-63.86	-48.74	-41.13	-75.72	-82.49	-40.34	-30.95	-39.80	-195.11
CRMS 0163	-7.05	-6.88	0.39	0.37	0.14	0.22	-0.25	-5.34	-5.12	-18.79	-0.94	0.59
CRMS 0162	-1.42	-5.94	3.96	9.50	2.27	4.80	0.69	-5.00	-10.69	-10.88	13.33	6.71

Figure WQ SO4 180 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.83	177.39	118.39	71.10	54.81	51.78	61.46	74.68	106.15	82.29	133.19	172.81
CRMS0276 - Just east of Wilkinson Canal	360.87	199.35	74.98	35.22	29.54	43.02	88.86	201.52	199.72	238.73	380.20	396.54
Barataria Waterway at Lafitte (USACE82875)	146.68	41.69	12.96	12.09	11.51	11.72	15.92	39.12	29.22	67.94	175.33	118.58
USGS2928590900040000 Barataria Waterway South of Lafitte	194.17	215.12	137.66	58.66	42.80	42.86	66.14	91.51	140.28	108.04	191.05	241.46
USGS7380251 Barataria Bay North of Grand Isle	95.31	115.76	84.53	80.45	72.05	63.34	57.00	57.40	53.05	47.47	80.76	93.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	320.95	267.95	161.26	107.07	91.12	86.52	110.73	186.52	152.42	154.30	280.16	305.73
USGS 07380335 - Little Lake Near Cutoff	415.05	305.80	179.15	111.73	97.95	87.22	131.01	247.96	201.96	225.45	366.82	387.65
USGS073802516 Barataria Pass at Grand Isle	371.67	313.93	189.20	143.35	131.03	127.49	163.59	267.73	189.11	199.04	301.16	350.92
HWQ14 - Lake Washington	174.93	180.99	118.83	113.67	110.09	96.92	92.01	121.83	95.76	80.28	132.02	169.26
HWQ16 - Bayou Grand Liard	592.62	429.02	288.73	204.27	175.48	203.11	313.61	456.42	400.13	448.28	555.19	560.62
CRMS 3985	55.04	71.86	61.13	74.29	71.52	61.42	51.80	43.02	35.89	33.08	44.82	53.00
CRMS 0258	281.76	211.13	106.37	37.93	27.42	29.41	59.55	109.89	130.94	148.53	314.42	351.85
CRMS 0224	324.82	257.07	148.13	65.79	51.92	54.78	89.85	163.63	166.35	167.15	312.97	357.66
CRMS 0163	82.19	33.90	11.93	12.07	11.35	12.89	16.39	45.78	41.06	76.44	104.58	75.81
CRMS 0162	160.09	160.14	118.42	93.78	96.92	64.39	14.36	94.97	228.55	238.43	429.28	332.77

V3PR6 HYST - cy 4 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.98	14.22	11.24	11.84	11.11	11.47	12.14	15.25	15.50	16.50	21.55	18.90
CRMS0276 - Just east of Wilkinson Canal	308.40	188.92	54.56	25.95	20.49	22.85	23.85	124.22	188.08	228.34	379.64	383.00
Barataria Waterway at Lafitte (USACE82875)	143.03	47.10	15.16	12.16	11.62	11.93	15.48	38.30	29.09	74.41	167.53	112.27
USGS2928590900040000 Barataria Waterway South of Lafitte	27.12	29.14	11.23	11.82	11.11	11.45	12.03	15.60	34.80	25.99	121.51	122.43
USGS7380251 Barataria Bay North of Grand Isle	25.64	20.42	11.38	11.76	11.19	11.27	11.49	13.63	18.40	17.76	52.97	47.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	78.43	70.45	11.37	11.83	11.20	11.33	11.75	40.07	77.05	66.28	236.47	211.39
USGS 07380335 - Little Lake Near Cutoff	185.09	112.64	12.43	12.20	11.39	11.40	12.77	86.04	144.99	136.28	332.83	322.86
USGS073802516 Barataria Pass at Grand Isle	160.56	113.74	13.36	12.25	12.15	11.92	12.97	99.40	128.38	123.20	281.40	285.09
HWQ14 - Lake Washington	48.50	38.94	12.58	11.55	11.69	10.55	10.26	21.68	50.87	35.22	109.96	106.18
HWQ16 - Bayou Grand Liard	506.01	306.47	89.14	51.13	53.19	85.50	157.74	370.89	371.65	408.46	546.75	539.20
CRMS 3985	25.76	18.34	12.02	11.59	11.37	10.86	10.85	11.73	15.33	16.81	33.91	34.93
CRMS 0258	137.23	92.00	13.92	12.81	11.51	11.47	11.53	31.86	109.82	97.21	308.00	323.81
CRMS 0224	119.40	89.66	12.04	12.30	11.36	11.45	11.70	39.28	116.46	87.21	303.83	314.20
CRMS 0163	84.85	39.05	12.80	12.19	11.51	13.05	16.30	42.45	39.24	81.50	101.60	73.66
CRMS 0162	171.13	160.37	138.69	92.43	98.48	70.94	13.97	97.57	241.86	277.08	440.28	335.79

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-128.85	-163.17	-107.15	-59.26	-43.70	-40.31	-49.32	-59.43	-90.65	-65.79	-111.64	-153.91
CRMS0276 - Just east of Wilkinson Canal	-52.47	-10.43	-20.42	-9.26	-9.06	-20.17	-65.02	-77.30	-11.64	-10.39	-0.55	-13.54
Barataria Waterway at Lafitte (USACE82875)	-3.64	5.41	2.20	0.08	0.12	0.21	-0.45	-0.82	-0.13	6.47	-7.79	-6.31
USGS2928590900040000 Barataria Waterway South of Lafitte	-167.05	-185.98	-126.43	-46.84	-31.69	-31.41	-54.11	-75.91	-105.48	-82.05	-69.54	-119.03
USGS7380251 Barataria Bay North of Grand Isle	-69.67	-95.34	-73.15	-68.68	-60.87	-52.08	-45.51	-43.77	-34.64	-29.71	-27.79	-45.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	-242.52	-197.49	-149.89	-95.25	-79.93	-75.20	-98.98	-146.46	-75.37	-88.02	-43.69	-94.34
USGS 07380335 - Little Lake Near Cutoff	-229.96	-193.16	-166.73	-99.52	-86.56	-75.82	-118.24	-161.92	-56.97	-89.17	-33.99	-64.78
USGS073802516 Barataria Pass at Grand Isle	-211.11	-200.19	-175.84	-131.10	-118.88	-115.57	-150.62	-168.34	-60.73	-75.84	-19.76	-65.84
HWQ14 - Lake Washington	-126.43	-142.05	-106.25	-102.11	-98.40	-86.37	-81.76	-100.15	-44.89	-45.06	-22.05	-63.07
HWQ16 - Bayou Grand Liard	-86.62	-122.55	-199.59	-153.14	-122.28	-117.61	-155.87	-85.53	-28.48	-39.82	-8.43	-21.42
CRMS 3985	-29.27	-53.52	-49.11	-62.70	-60.15	-50.56	-40.95	-31.29	-20.56	-16.28	-10.90	-18.08
CRMS 0258	-144.54	-119.13	-92.45	-25.12	-15.91	-17.94	-48.02	-78.03	-21.11	-51.31	-6.42	-28.05
CRMS 0224	-205.42	-167.40	-136.09	-53.49	-40.56	-43.33	-78.15	-124.36	-49.90	-79.94	-9.13	-43.46
CRMS 0163	2.66	5.15	0.88	0.13	0.16	0.16	-0.09	-3.33	-1.82	5.06	-2.98	-2.15
CRMS 0162	11.04	0.24	20.27	-1.36	1.56	6.54	-0.38	2.60	13.30	38.65	10.99	3.02

Figure WQ SO4 181 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.18	159.96	106.63	67.05	59.62	54.98	73.61	90.68	158.66	136.67	178.55	181.08
CRMS0276 - Just east of Wilkinson Canal	300.36	118.77	57.78	45.40	33.33	101.64	239.73	333.66	321.97	409.08	388.85	263.21
Barataria Waterway at Lafitte (USACE82875)	118.45	18.93	11.70	11.90	11.33	23.11	60.61	98.76	77.24	163.08	160.78	53.56
USGS2928590900040000 Barataria Waterway South of Lafitte	167.46	184.38	110.74	56.68	47.71	46.58	83.34	119.71	228.82	199.87	252.58	241.88
USGS7380251 Barataria Bay North of Grand Isle	91.36	113.78	89.78	78.27	75.34	66.42	61.19	55.88	66.07	67.65	108.18	105.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	282.92	236.25	140.92	104.78	97.43	95.99	166.90	269.36	231.40	249.77	345.52	293.65
USGS 07380335 - Little Lake Near Cutoff	364.01	255.89	150.86	114.63	104.96	107.13	238.79	371.50	306.81	349.63	425.31	347.75
USGS073802516 Barataria Pass at Grand Isle	332.26	277.63	170.86	142.92	139.02	152.45	261.34	373.97	269.67	297.13	361.62	333.02
HWQ14 - Lake Washington	161.99	174.24	121.50	109.60	115.76	100.67	108.82	148.94	127.20	118.77	179.85	184.73
HWQ16 - Bayou Grand Liard	549.68	354.35	256.56	223.89	184.70	280.39	505.28	585.07	508.19	569.55	576.38	484.93
CRMS 3985	55.72	74.72	72.96	75.10	73.78	64.12	51.47	34.51	38.74	42.13	58.92	62.57
CRMS 0258	225.81	155.31	76.00	41.91	30.98	39.00	100.91	178.85	245.83	305.88	378.78	264.73
CRMS 0224	274.09	205.11	114.00	68.98	57.45	65.77	145.08	246.93	276.95	299.52	384.19	313.69
CRMS 0163	68.96	14.73	11.26	11.67	11.21	39.56	65.42	96.29	98.48	183.18	71.33	31.90
CRMS 0162	163.78	107.20	98.07	123.53	107.49	125.86	41.82	247.16	488.48	546.24	365.78	156.87

V3PR6 HYST - cy 4 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.67	11.51	10.86	10.94	10.99	15.18	15.94	17.46	18.71	20.15	21.39	15.01
CRMS0276 - Just east of Wilkinson Canal	228.66	94.48	33.07	33.89	21.55	84.61	213.05	318.09	304.32	400.50	385.59	239.77
Barataria Waterway at Lafitte (USACE82875)	118.37	25.54	12.65	12.48	11.70	22.83	57.58	92.36	69.56	168.66	153.26	54.92
USGS2928590900040000 Barataria Waterway South of Lafitte	18.77	11.52	10.85	10.93	10.97	13.93	20.78	42.71	111.72	115.19	159.93	81.34
USGS7380251 Barataria Bay North of Grand Isle	17.78	11.94	10.88	10.91	10.95	11.20	13.81	25.98	29.35	34.01	59.65	32.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	42.45	13.35	10.91	10.98	10.97	24.87	90.78	201.02	167.51	174.33	274.63	118.20
USGS 07380335 - Little Lake Near Cutoff	104.45	24.29	11.40	11.53	11.12	40.77	176.84	321.13	252.28	290.98	375.48	188.08
USGS073802516 Barataria Pass at Grand Isle	95.26	24.62	11.76	11.70	11.72	60.34	204.05	341.51	217.00	250.25	311.15	178.92
HWQ14 - Lake Washington	27.44	14.29	11.06	10.84	11.09	15.08	44.09	116.00	81.22	77.60	125.09	80.33
HWQ16 - Bayou Grand Liard	428.89	152.04	61.60	62.66	56.92	229.29	482.39	566.88	485.25	550.85	556.91	404.92
CRMS 3985	17.60	12.87	11.07	10.83	10.88	10.42	10.92	16.18	22.06	26.36	36.37	27.68
CRMS 0258	65.87	27.24	11.69	12.29	11.33	17.27	60.07	157.75	229.43	276.68	374.17	165.89
CRMS 0224	57.55	20.99	11.10	11.59	11.16	22.31	98.97	215.59	231.33	252.83	363.33	170.93
CRMS 0163	72.35	20.13	12.05	12.56	11.75	38.17	58.92	88.20	91.27	192.68	75.69	36.79
CRMS 0162	171.13	116.26	111.56	143.58	107.88	114.43	52.09	254.73	484.19	562.31	371.29	154.92

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-115.51	-148.45	-95.78	-56.12	-48.63	-39.80	-57.67	-73.22	-139.95	-116.52	-157.15	-166.07
CRMS0276 - Just east of Wilkinson Canal	-71.70	-24.29	-24.71	-11.51	-11.78	-17.02	-26.67	-15.57	-17.66	-8.58	-3.26	-23.44
Barataria Waterway at Lafitte (USACE82875)	-0.08	6.61	0.95	0.59	0.37	-0.28	-3.03	-6.39	-7.68	5.58	-7.51	1.36
USGS2928590900040000 Barataria Waterway South of Lafitte	-148.69	-172.86	-99.89	-45.75	-36.74	-32.65	-62.56	-76.99	-117.09	-84.69	-92.65	-160.54
USGS7380251 Barataria Bay North of Grand Isle	-73.58	-101.84	-78.89	-67.36	-64.40	-55.21	-47.38	-29.90	-36.73	-33.64	-48.53	-72.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	-240.47	-222.90	-130.01	-93.80	-86.46	-71.12	-76.11	-68.33	-63.90	-75.44	-70.89	-175.45
USGS 07380335 - Little Lake Near Cutoff	-259.56	-231.60	-139.46	-103.09	-93.83	-66.36	-61.95	-50.37	-54.53	-58.66	-49.83	-159.67
USGS073802516 Barataria Pass at Grand Isle	-237.00	-253.01	-159.11	-131.21	-127.30	-92.11	-57.29	-32.46	-52.68	-46.88	-50.47	-154.10
HWQ14 - Lake Washington	-134.55	-159.95	-110.44	-98.76	-104.67	-85.59	-64.73	-32.94	-45.98	-41.17	-54.76	-104.40
HWQ16 - Bayou Grand Liard	-120.79	-202.31	-194.96	-161.23	-127.78	-51.10	-22.90	-18.19	-22.95	-18.70	-19.47	-80.01
CRMS 3985	-38.13	-61.85	-61.88	-64.28	-62.90	-53.70	-40.55	-18.33	-16.68	-15.78	-22.55	-34.89
CRMS 0258	-159.94	-128.07	-64.30	-29.62	-19.65	-21.73	-40.83	-21.10	-16.40	-29.20	-4.61	-98.84
CRMS 0224	-216.53	-184.12	-102.90	-57.39	-46.29	-43.46	-46.10	-31.34	-45.62	-46.69	-20.87	-142.76
CRMS 0163	3.39	5.40	0.78	0.89	0.54	-1.39	-6.50	-8.09	-7.21	9.50	4.35	4.89
CRMS 0162	7.35	9.07	13.48	20.05	0.40	-11.43	10.27	7.57	-4.29	16.07	5.50	-1.95

Figure WQ SO4 182 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.63	187.23	130.34	120.62	133.05	116.24	92.08	101.37	190.71	175.76	176.74	162.60
CRMS0276 - Just east of Wilkinson Canal	396.93	203.16	218.99	155.43	155.32	227.52	328.99	439.61	444.33	413.36	319.53	274.96
Barataria Waterway at Lafitte (USACE82875)	202.17	45.12	42.86	40.82	49.68	43.44	122.72	188.59	328.68	110.19	113.62	66.16
USGS2928590900040000 Barataria Waterway South of Lafitte	178.90	230.21	168.89	121.99	135.97	120.28	112.69	137.65	292.34	262.19	242.08	210.54
USGS7380251 Barataria Bay North of Grand Isle	91.94	121.87	79.57	96.74	112.56	102.64	62.30	58.80	74.79	83.54	112.20	99.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	315.03	283.93	188.41	170.61	182.36	172.95	199.93	328.40	296.08	305.95	333.44	268.16
USGS 07380335 - Little Lake Near Cutoff	421.27	316.87	240.97	203.93	214.27	199.46	299.21	458.58	394.22	404.41	400.12	327.16
USGS073802516 Barataria Pass at Grand Isle	369.57	328.59	221.52	224.25	252.02	256.80	310.88	446.45	336.36	349.37	352.25	314.49
HWQ14 - Lake Washington	167.54	193.96	111.59	139.20	177.20	159.94	117.45	171.11	148.84	149.13	185.06	170.12
HWQ16 - Bayou Grand Liard	619.06	441.41	420.03	365.50	356.78	403.00	584.65	669.16	591.05	586.81	537.78	487.96
CRMS 3985	54.39	74.70	51.58	71.52	92.38	88.79	44.20	33.97	42.08	49.04	64.04	61.31
CRMS 0258	273.72	222.08	203.42	115.01	122.89	136.39	155.98	219.71	362.77	369.01	319.87	242.70
CRMS 0224	311.80	270.93	216.94	150.19	161.97	154.84	189.82	303.81	374.47	368.32	356.23	284.72
CRMS 0163	132.52	39.70	32.56	64.35	34.26	71.47	130.71	187.53	353.62	112.22	48.10	50.64
CRMS 0162	296.62	191.76	290.78	310.59	273.80	268.39	277.38	452.67	654.36	453.96	272.12	167.76

V3PR6 HYST - cy 4 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	18.81	14.52	15.94	15.86	14.55	17.29	18.84	19.31	19.85	19.43	19.47	17.21
CRMS0276 - Just east of Wilkinson Canal	364.71	181.17	200.85	136.29	145.81	199.28	309.85	440.89	415.30	382.55	309.85	252.15
Barataria Waterway at Lafitte (USACE82875)	189.69	50.42	43.29	39.46	50.39	40.38	125.52	186.53	282.33	104.48	104.08	58.96
USGS2928590900040000 Barataria Waterway South of Lafitte	73.67	15.57	30.07	24.71	15.30	28.74	30.14	48.89	142.93	143.34	143.69	101.90
USGS7380251 Barataria Bay North of Grand Isle	37.59	20.09	20.58	21.75	20.52	28.25	29.53	31.05	34.34	37.27	56.87	40.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	184.26	42.60	66.37	55.94	27.92	79.64	138.03	229.93	212.32	195.92	250.90	175.72
USGS 07380335 - Little Lake Near Cutoff	318.47	102.01	123.35	90.61	49.55	117.13	252.56	393.33	321.58	317.29	336.95	257.75
USGS073802516 Barataria Pass at Grand Isle	282.48	109.95	109.14	97.98	76.73	156.95	278.03	402.81	268.54	271.49	287.73	235.21
HWQ14 - Lake Washington	88.32	46.01	38.83	41.27	50.04	62.51	78.41	114.80	93.48	85.46	119.24	92.73
HWQ16 - Bayou Grand Liard	587.20	347.78	353.89	282.37	254.39	359.29	578.01	665.13	561.22	552.45	508.41	447.95
CRMS 3985	28.11	22.12	18.79	18.41	22.89	25.23	24.71	23.23	26.14	28.37	36.06	29.65
CRMS 0258	226.95	86.05	110.54	69.40	56.42	83.52	112.49	205.13	328.44	318.08	294.96	209.06
CRMS 0224	240.44	75.16	101.42	70.96	47.59	86.27	156.32	266.07	308.65	289.85	318.84	237.82
CRMS 0163	128.72	44.90	34.64	60.38	37.95	66.61	126.96	177.55	310.34	104.87	47.96	48.82
CRMS 0162	298.73	193.96	291.75	271.87	253.54	255.09	281.36	462.61	640.36	442.71	267.74	166.13

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-117.82	-172.71	-114.40	-104.76	-118.50	-98.95	-73.24	-82.05	-170.86	-156.33	-157.27	-145.39
CRMS0276 - Just east of Wilkinson Canal	-32.22	-21.99	-18.14	-19.13	-9.51	-28.25	-19.13	1.28	-29.04	-30.81	-9.68	-22.80
Barataria Waterway at Lafitte (USACE82875)	-12.48	5.30	0.42	-1.36	0.71	-3.06	2.80	-2.06	-46.34	-5.71	-9.54	-7.20
USGS2928590900040000 Barataria Waterway South of Lafitte	-105.22	-214.65	-138.83	-97.29	-120.67	-91.54	-82.55	-88.76	-149.42	-118.85	-98.39	-108.64
USGS7380251 Barataria Bay North of Grand Isle	-54.34	-101.78	-59.00	-74.99	-92.03	-74.39	-32.77	-27.76	-40.45	-46.28	-55.33	-58.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	-130.77	-241.34	-122.04	-114.67	-154.44	-93.30	-61.90	-98.47	-83.76	-110.03	-82.54	-92.44
USGS 07380335 - Little Lake Near Cutoff	-102.80	-214.86	-117.62	-113.33	-164.72	-82.33	-46.65	-65.25	-72.64	-87.12	-63.17	-69.41
USGS073802516 Barataria Pass at Grand Isle	-87.10	-218.64	-112.39	-126.27	-175.29	-99.85	-32.86	-43.63	-67.81	-77.87	-64.52	-79.28
HWQ14 - Lake Washington	-79.21	-147.95	-72.76	-97.93	-127.16	-97.42	-39.04	-56.31	-55.35	-63.68	-65.81	-77.39
HWQ16 - Bayou Grand Liard	-31.86	-93.63	-66.15	-83.13	-102.39	-43.71	-6.64	-4.03	-29.83	-34.35	-29.38	-40.01
CRMS 3985	-26.28	-52.58	-32.80	-53.11	-69.49	-63.56	-19.49	-10.74	-15.94	-20.68	-27.98	-31.65
CRMS 0258	-46.77	-136.03	-92.88	-45.62	-66.48	-52.87	-43.49	-14.57	-34.34	-50.93	-24.91	-33.64
CRMS 0224	-71.36	-195.77	-115.52	-79.23	-114.37	-68.57	-33.50	-37.74	-65.82	-78.47	-37.39	-46.90
CRMS 0163	-3.80	5.20	2.09	-3.97	3.69	-4.86	-3.74	-9.98	-43.28	-7.36	-0.13	-1.82
CRMS 0162	2.12	2.20	0.96	-38.71	-20.26	-13.31	3.98	9.94	-14.00	-11.25	-4.38	-1.64

Figure WQ SO4 183 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.94	159.01	102.48	81.85	84.33	73.08	61.00	55.14	94.49	94.73	147.03	178.34
CRMS0276 - Just east of Wilkinson Canal	327.44	85.19	84.38	62.32	74.91	60.49	123.59	189.41	211.83	314.97	380.09	354.08
Barataria Waterway at Lafitte (USACE82875)	102.59	14.36	15.51	15.54	25.52	13.02	21.75	36.44	37.80	93.95	170.93	91.81
USGS2928590900040000 Barataria Waterway South of Lafitte	190.23	177.53	103.79	73.32	78.79	62.66	71.37	72.34	132.97	137.39	210.72	247.65
USGS7380251 Barataria Bay North of Grand Isle	95.16	116.25	90.38	87.90	89.69	81.43	49.04	37.48	42.43	47.53	87.85	97.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	301.94	224.44	141.41	123.84	130.71	115.84	114.41	165.44	145.31	183.26	301.37	304.75
USGS 07380335 - Little Lake Near Cutoff	385.34	233.26	159.53	136.36	148.80	117.95	148.40	229.19	202.42	270.58	385.45	376.96
USGS073802516 Barataria Pass at Grand Isle	350.72	261.94	175.00	168.25	187.17	163.84	175.49	246.05	179.85	230.70	321.27	347.46
HWQ14 - Lake Washington	169.57	174.40	120.63	124.40	143.23	123.68	83.12	95.01	81.98	83.22	146.29	175.04
HWQ16 - Bayou Grand Liard	553.01	318.11	294.38	261.50	261.87	236.20	358.11	428.52	408.34	505.41	562.14	538.47
CRMS 3985	56.13	77.96	75.84	80.97	83.59	75.23	37.65	25.86	27.60	30.93	47.52	55.18
CRMS 0258	273.87	132.24	75.62	55.76	62.80	40.56	71.65	98.20	136.97	214.32	332.73	333.23
CRMS 0224	307.36	182.71	114.11	87.40	97.00	75.82	100.50	147.09	166.51	216.68	335.34	351.47
CRMS 0163	43.35	11.86	14.46	25.48	15.94	15.43	23.95	38.32	45.73	96.80	93.75	69.20
CRMS 0162	117.32	82.92	150.68	167.70	191.53	79.71	16.96	84.57	283.16	348.25	409.10	283.22

V3PR6 HYST - cy 4 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.65	10.97	12.39	11.78	12.05	12.47	13.19	14.81	16.96	18.34	21.39	18.47
CRMS0276 - Just east of Wilkinson Canal	190.89	64.57	50.95	46.86	60.56	34.22	40.75	107.94	194.71	303.31	375.92	330.79
Barataria Waterway at Lafitte (USACE82875)	97.46	17.12	17.50	18.02	32.01	14.12	24.10	37.60	31.72	92.71	162.08	81.57
USGS2928590900040000 Barataria Waterway South of Lafitte	13.53	10.97	12.37	11.72	12.04	12.40	13.08	16.12	58.23	84.28	138.16	126.95
USGS7380251 Barataria Bay North of Grand Isle	16.76	11.32	12.35	11.54	11.98	11.96	12.43	14.32	21.56	30.25	57.37	48.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.75	11.56	12.67	11.87	12.55	12.27	12.83	42.77	106.06	144.66	250.02	212.06
USGS 07380335 - Little Lake Near Cutoff	71.26	17.16	14.64	13.38	15.49	13.02	14.87	80.81	163.13	241.62	345.47	313.64
USGS073802516 Barataria Pass at Grand Isle	64.05	18.00	15.11	14.71	20.23	15.53	17.46	90.47	149.35	214.12	291.71	277.62
HWQ14 - Lake Washington	31.93	14.01	12.36	12.16	16.08	11.50	11.03	22.72	60.60	71.73	117.61	107.77
HWQ16 - Bayou Grand Liard	360.19	108.77	118.77	92.23	117.23	120.67	226.39	357.61	387.92	496.81	548.19	508.50
CRMS 3985	21.93	13.09	12.40	11.52	12.06	11.33	11.67	12.60	16.74	23.36	37.82	35.95
CRMS 0258	50.18	19.04	14.41	14.85	17.52	12.82	12.64	31.05	115.86	197.78	326.30	300.34
CRMS 0224	38.91	15.18	13.26	13.30	15.95	12.72	12.86	41.17	128.12	193.87	322.68	305.50
CRMS 0163	50.94	13.49	17.58	35.48	19.65	18.51	25.21	40.01	41.83	95.98	94.06	66.54
CRMS 0162	127.41	90.47	167.15	172.11	193.64	83.50	16.63	83.37	288.61	349.50	419.16	290.28

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-129.28	-148.03	-90.09	-70.07	-72.28	-60.62	-47.81	-40.33	-77.53	-76.40	-125.64	-159.86
CRMS0276 - Just east of Wilkinson Canal	-136.54	-20.62	-33.43	-15.45	-14.35	-26.27	-82.84	-81.46	-17.12	-11.65	-4.17	-23.29
Barataria Waterway at Lafitte (USACE82875)	-5.13	2.76	2.00	2.48	6.49	1.10	2.36	1.16	-6.09	-1.24	-8.85	-10.24
USGS2928590900040000 Barataria Waterway South of Lafitte	-176.70	-166.56	-91.42	-61.60	-66.75	-50.26	-58.29	-56.23	-74.73	-53.12	-72.57	-120.70
USGS7380251 Barataria Bay North of Grand Isle	-78.40	-104.93	-78.03	-76.36	-77.70	-69.47	-36.61	-23.16	-20.86	-17.28	-30.48	-48.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	-276.18	-212.88	-128.74	-111.97	-118.15	-103.57	-101.58	-122.67	-39.24	-38.60	-51.34	-92.69
USGS 07380335 - Little Lake Near Cutoff	-314.08	-216.09	-144.90	-122.98	-133.31	-104.93	-133.54	-148.37	-39.29	-28.96	-39.98	-63.32
USGS073802516 Barataria Pass at Grand Isle	-286.67	-243.94	-159.89	-153.55	-166.94	-148.31	-158.03	-155.58	-30.50	-16.58	-29.57	-69.84
HWQ14 - Lake Washington	-137.63	-160.39	-108.27	-112.24	-127.15	-112.18	-72.09	-72.29	-21.38	-11.49	-28.68	-67.26
HWQ16 - Bayou Grand Liard	-192.81	-209.34	-175.61	-169.26	-144.65	-115.53	-131.72	-70.91	-20.42	-8.60	-13.96	-29.97
CRMS 3985	-34.20	-64.87	-63.44	-69.45	-71.54	-63.90	-25.98	-13.27	-10.87	-7.57	-9.70	-19.23
CRMS 0258	-223.69	-113.21	-61.22	-40.91	-45.28	-27.74	-59.02	-67.14	-21.12	-16.54	-6.43	-32.90
CRMS 0224	-268.45	-167.53	-100.85	-74.10	-81.05	-63.10	-87.64	-105.93	-38.39	-22.81	-12.67	-45.97
CRMS 0163	7.59	1.63	3.11	10.00	3.71	3.08	1.26	1.69	-3.90	-0.82	0.31	-2.66
CRMS 0162	10.09	7.55	16.48	4.41	2.11	3.80	-0.33	-1.20	5.45	1.25	10.07	7.06

Figure WQ SO4 184 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	118.89	178.72	137.97	84.95	67.07	55.45	62.93	77.81	121.39	108.10	161.62	173.30
CRMS0276 - Just east of Wilkinson Canal	261.71	319.84	158.93	54.72	34.85	27.28	100.48	217.97	240.63	353.13	401.95	177.43
Barataria Waterway at Lafitte (USACE82875)	116.66	99.44	24.30	12.60	13.16	11.58	19.45	47.13	45.33	115.66	176.81	28.14
USGS2928590900040000 Barataria Waterway South of Lafitte	144.92	231.65	188.53	72.40	54.49	44.42	66.73	96.01	164.84	151.37	231.52	231.06
USGS7380251 Barataria Bay North of Grand Isle	83.38	109.62	81.78	87.60	80.99	69.47	59.88	59.42	58.26	57.15	97.23	100.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	250.66	283.61	200.56	126.11	107.98	88.59	110.90	200.17	174.93	200.90	325.25	279.72
USGS 07380335 - Little Lake Near Cutoff	327.46	341.75	244.01	136.08	114.52	84.29	134.80	268.06	234.49	291.70	411.46	318.73
USGS073802516 Barataria Pass at Grand Isle	297.19	331.18	227.43	166.89	151.40	122.58	164.96	284.41	211.83	250.74	343.48	312.80
HWQ14 - Lake Washington	145.04	173.45	117.42	125.02	127.50	102.05	91.37	127.24	104.35	97.56	161.23	179.79
HWQ16 - Bayou Grand Liard	519.46	504.37	367.99	245.16	185.10	170.55	333.25	475.08	442.39	529.47	579.95	424.13
CRMS 3985	50.99	64.97	51.74	74.47	76.86	67.59	55.61	44.67	37.97	37.88	52.99	58.99
CRMS 0258	181.95	288.07	212.02	49.54	35.63	27.12	57.31	117.50	164.80	230.20	366.57	240.05
CRMS 0224	234.40	305.27	235.79	82.80	63.78	53.27	89.19	175.92	196.26	233.71	365.46	293.87
CRMS 0163	86.84	89.53	17.32	13.00	12.46	12.15	21.27	50.54	56.07	128.19	87.44	16.65
CRMS 0162	241.36	380.75	161.60	147.20	92.49	40.14	15.57	107.67	344.41	455.16	385.52	84.64

V3PR6 HYST - cy 4 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.32	19.35	11.87	11.36	12.39	11.58	13.07	15.72	17.44	19.64	21.16	11.93
CRMS0276 - Just east of Wilkinson Canal	200.50	300.93	136.70	40.44	23.12	17.25	32.92	155.86	218.00	343.93	392.05	154.51
Barataria Waterway at Lafitte (USACE82875)	103.84	95.47	27.19	13.78	15.27	11.72	19.98	41.38	43.35	114.92	162.32	34.19
USGS2928590900040000 Barataria Waterway South of Lafitte	22.36	87.77	15.28	11.35	12.38	11.55	12.93	22.46	73.32	90.15	142.17	12.15
USGS7380251 Barataria Bay North of Grand Isle	17.12	47.02	15.56	11.43	12.34	11.41	12.15	16.56	25.06	32.34	59.49	15.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	89.28	188.19	26.29	11.52	12.36	11.46	12.66	89.20	123.88	153.62	260.75	18.17
USGS 07380335 - Little Lake Near Cutoff	168.82	264.38	46.86	12.60	12.57	11.53	15.13	160.59	186.78	257.30	367.41	46.36
USGS073802516 Barataria Pass at Grand Isle	147.04	249.02	46.53	13.67	13.25	12.14	16.43	178.52	168.00	226.53	306.53	52.02
HWQ14 - Lake Washington	35.22	97.40	26.99	12.32	12.60	11.28	10.69	44.94	67.65	75.32	125.19	38.34
HWQ16 - Bayou Grand Liard	432.85	463.95	181.60	77.83	57.67	67.68	199.63	419.61	409.72	518.59	558.27	238.73
CRMS 3985	16.51	30.95	17.73	11.83	12.24	11.34	11.31	13.13	19.14	25.12	39.70	23.40
CRMS 0258	72.57	229.17	56.88	13.37	13.02	11.49	12.33	54.07	142.86	212.31	358.25	69.51
CRMS 0224	101.00	232.10	44.11	12.42	12.69	11.48	12.65	86.91	153.38	207.05	349.99	51.82
CRMS 0163	82.37	85.39	18.50	16.61	12.83	13.12	21.87	46.51	54.00	128.94	85.06	19.27
CRMS 0162	243.24	374.16	176.87	152.52	95.06	38.72	15.54	109.40	348.22	468.77	400.65	91.90

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-102.57	-159.37	-126.10	-73.60	-54.68	-43.87	-49.86	-62.09	-103.95	-88.47	-140.46	-161.36
CRMS0276 - Just east of Wilkinson Canal	-61.20	-18.91	-22.23	-14.29	-11.73	-10.03	-67.56	-62.11	-22.63	-9.20	-9.90	-22.93
Barataria Waterway at Lafitte (USACE82875)	-12.82	-3.97	2.89	1.18	2.11	0.14	0.53	-5.75	-1.97	-0.75	-14.49	6.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-122.55	-143.88	-173.25	-61.05	-42.12	-32.87	-53.79	-73.55	-91.52	-61.22	-89.35	-218.91
USGS7380251 Barataria Bay North of Grand Isle	-66.26	-62.60	-66.21	-76.16	-68.65	-58.05	-47.74	-42.86	-33.20	-24.81	-37.74	-84.68
USGS73802515 Hackberry Bay Northwest of Grand Isle	-161.38	-95.41	-174.27	-114.59	-95.62	-77.13	-98.25	-110.97	-51.05	-47.28	-64.50	-261.54
USGS 07380335 - Little Lake Near Cutoff	-158.64	-77.37	-197.15	-123.48	-101.95	-72.76	-119.67	-107.47	-47.70	-34.40	-44.05	-272.37
USGS073802516 Barataria Pass at Grand Isle	-150.16	-82.16	-180.90	-153.22	-138.15	-110.44	-148.53	-105.89	-43.83	-24.21	-36.95	-260.78
HWQ14 - Lake Washington	-109.82	-76.05	-90.42	-112.71	-114.90	-90.77	-80.67	-82.30	-36.69	-22.23	-36.04	-141.45
HWQ16 - Bayou Grand Liard	-86.61	-40.42	-186.39	-167.33	-127.44	-102.87	-133.61	-55.46	-32.66	-10.89	-21.68	-185.40
CRMS 3985	-34.49	-34.02	-34.01	-62.64	-64.62	-56.25	-44.30	-31.54	-18.83	-12.76	-13.29	-35.59
CRMS 0258	-109.39	-58.90	-155.14	-36.17	-22.61	-15.62	-44.98	-63.44	-21.93	-17.89	-8.32	-170.54
CRMS 0224	-133.41	-73.17	-191.68	-70.38	-51.09	-41.79	-76.54	-89.01	-42.88	-26.66	-15.47	-242.05
CRMS 0163	-4.47	-4.14	1.18	3.61	0.37	0.97	0.60	-4.03	-2.07	0.75	-2.38	2.63
CRMS 0162	1.88	-6.59	15.27	5.32	2.57	-1.42	-0.03	1.73	3.81	13.61	15.14	7.26

Figure WQ SO4 185 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.83	177.39	118.39	71.10	54.81	51.78	61.46	74.68	106.15	82.29	133.19	172.81
CRMS0276 - Just east of Wilkinson Canal	360.87	199.35	74.98	35.22	29.54	43.02	88.86	201.52	199.72	238.73	380.20	396.54
Barataria Waterway at Lafitte (USACE82875)	146.68	41.69	12.96	12.09	11.51	11.72	15.92	39.12	29.22	67.94	175.33	118.58
USGS2928590900040000 Barataria Waterway South of Lafitte	194.17	215.12	137.66	58.66	42.80	42.86	66.14	91.51	140.28	108.04	191.05	241.46
USGS7380251 Barataria Bay North of Grand Isle	95.31	115.76	84.53	80.45	72.05	63.34	57.00	57.40	53.05	47.47	80.76	93.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	320.95	267.95	161.26	107.07	91.12	86.52	110.73	186.52	152.42	154.30	280.16	305.73
USGS 07380335 - Little Lake Near Cutoff	415.05	305.80	179.15	111.73	97.95	87.22	131.01	247.96	201.96	225.45	366.82	387.65
USGS073802516 Barataria Pass at Grand Isle	371.67	313.93	189.20	143.35	131.03	127.49	163.59	267.73	189.11	199.04	301.16	350.92
HWQ14 - Lake Washington	174.93	180.99	118.83	113.67	110.09	96.92	92.01	121.83	95.76	80.28	132.02	169.26
HWQ16 - Bayou Grand Liard	592.62	429.02	288.73	204.27	175.48	203.11	313.61	456.42	400.13	448.28	555.19	560.62
CRMS 3985	55.04	71.86	61.13	74.29	71.52	61.42	51.80	43.02	35.89	33.08	44.82	53.00
CRMS 0258	281.76	211.13	106.37	37.93	27.42	29.41	59.55	109.89	130.94	148.53	314.42	351.85
CRMS 0224	324.82	257.07	148.13	65.79	51.92	54.78	89.85	163.63	166.35	167.15	312.97	357.66
CRMS 0163	82.19	33.90	11.93	12.07	11.35	12.89	16.39	45.78	41.06	76.44	104.58	75.81
CRMS 0162	160.09	160.14	118.42	93.78	96.92	64.39	14.36	94.97	228.55	238.43	429.28	332.77

V3PR7 HYST - cy 4 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.15	14.34	11.24	11.84	11.11	11.47	12.14	15.26	15.50	16.52	22.08	19.26
CRMS0276 - Just east of Wilkinson Canal	309.66	189.27	53.62	25.52	20.87	22.89	23.47	119.73	182.12	225.04	377.57	384.17
Barataria Waterway at Lafitte (USACE82875)	143.96	47.57	15.08	12.21	11.65	12.02	15.47	39.13	27.36	77.53	169.05	113.09
USGS2928590900040000 Barataria Waterway South of Lafitte	25.46	27.07	11.23	11.82	11.11	11.43	12.01	15.73	30.96	24.07	102.94	99.23
USGS7380251 Barataria Bay North of Grand Isle	26.18	20.54	11.41	11.77	11.19	11.26	11.48	13.44	17.94	17.75	51.96	47.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	80.54	70.31	11.37	11.83	11.19	11.34	11.74	39.87	74.23	66.59	235.40	211.46
USGS 07380335 - Little Lake Near Cutoff	186.96	112.44	12.37	12.19	11.40	11.44	12.63	84.96	140.20	137.05	330.28	321.86
USGS073802516 Barataria Pass at Grand Isle	164.52	113.90	13.38	12.28	12.16	12.07	12.78	99.18	124.58	123.35	278.68	284.60
HWQ14 - Lake Washington	50.28	39.62	12.74	11.60	11.70	10.56	10.23	22.18	51.09	35.23	109.03	106.80
HWQ16 - Bayou Grand Liard	507.47	306.43	86.28	52.19	53.12	88.47	154.25	367.60	359.31	409.18	544.49	538.61
CRMS 3985	26.10	18.62	12.20	11.61	11.38	10.82	10.79	11.51	14.98	16.75	33.38	34.80
CRMS 0258	131.50	90.35	13.73	12.71	11.49	11.43	11.53	31.84	107.08	94.66	300.99	314.84
CRMS 0224	118.08	88.03	11.97	12.24	11.35	11.43	11.70	38.58	112.76	86.65	297.63	308.16
CRMS 0163	84.96	39.11	12.88	12.25	11.44	13.57	16.15	43.30	36.71	84.29	101.83	73.10
CRMS 0162	170.36	159.65	135.73	98.28	102.82	59.95	14.01	99.69	239.88	264.98	435.05	331.67

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-128.68	-163.05	-107.15	-59.26	-43.70	-40.31	-49.32	-59.42	-90.65	-65.77	-111.11	-153.55
CRMS0276 - Just east of Wilkinson Canal	-51.21	-10.08	-21.36	-9.70	-8.68	-20.13	-65.40	-81.79	-17.60	-13.69	-2.62	-12.37
Barataria Waterway at Lafitte (USACE82875)	-2.71	5.88	2.12	0.12	0.14	0.30	-0.45	0.01	-1.87	9.59	-6.28	-5.49
USGS2928590900040000 Barataria Waterway South of Lafitte	-168.71	-188.05	-126.43	-46.84	-31.69	-31.43	-54.13	-75.78	-109.31	-83.97	-88.12	-142.22
USGS7380251 Barataria Bay North of Grand Isle	-69.13	-95.22	-73.13	-68.68	-60.87	-52.09	-45.52	-43.97	-35.11	-29.73	-28.80	-45.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	-240.41	-197.63	-149.89	-95.25	-79.93	-75.19	-98.99	-146.66	-78.18	-87.71	-44.76	-94.27
USGS 07380335 - Little Lake Near Cutoff	-228.08	-193.36	-166.79	-99.54	-86.55	-75.78	-118.38	-163.00	-61.75	-88.40	-36.54	-65.79
USGS073802516 Barataria Pass at Grand Isle	-207.15	-200.03	-175.81	-131.08	-118.87	-115.42	-150.81	-168.55	-64.53	-75.69	-22.49	-66.33
HWQ14 - Lake Washington	-124.65	-141.36	-106.08	-102.07	-98.39	-86.35	-81.78	-99.66	-44.67	-45.05	-22.99	-62.46
HWQ16 - Bayou Grand Liard	-85.15	-122.59	-202.45	-152.07	-122.36	-114.64	-159.36	-88.82	-40.82	-39.10	-10.70	-22.01
CRMS 3985	-28.93	-53.24	-48.93	-62.68	-60.14	-50.60	-41.02	-31.51	-20.91	-16.33	-11.44	-18.20
CRMS 0258	-150.26	-120.78	-92.64	-25.22	-15.93	-17.97	-48.02	-78.05	-23.86	-53.86	-13.44	-37.02
CRMS 0224	-206.73	-169.04	-136.16	-53.55	-40.57	-43.35	-78.15	-125.05	-53.59	-80.50	-15.34	-49.50
CRMS 0163	2.77	5.21	0.95	0.18	0.09	0.68	-0.24	-2.48	-4.35	7.85	-2.75	-2.71
CRMS 0162	10.27	-0.49	17.31	4.49	5.90	-4.44	-0.35	4.72	11.32	26.54	5.76	-1.10

Figure WQ SO4 186 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.18	159.96	106.63	67.05	59.62	54.98	73.61	90.68	158.66	136.67	178.55	181.08
CRMS0276 - Just east of Wilkinson Canal	300.36	118.77	57.78	45.40	33.33	101.64	239.73	333.66	321.97	409.08	388.85	263.21
Barataria Waterway at Lafitte (USACE82875)	118.45	18.93	11.70	11.90	11.33	23.11	60.61	98.76	77.24	163.08	160.78	53.56
USGS2928590900040000 Barataria Waterway South of Lafitte	167.46	184.38	110.74	56.68	47.71	46.58	83.34	119.71	228.82	199.87	252.58	241.88
USGS7380251 Barataria Bay North of Grand Isle	91.36	113.78	89.78	78.27	75.34	66.42	61.19	55.88	66.07	67.65	108.18	105.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	282.92	236.25	140.92	104.78	97.43	95.99	166.90	269.36	231.40	249.77	345.52	293.65
USGS 07380335 - Little Lake Near Cutoff	364.01	255.89	150.86	114.63	104.96	107.13	238.79	371.50	306.81	349.63	425.31	347.75
USGS073802516 Barataria Pass at Grand Isle	332.26	277.63	170.86	142.92	139.02	152.45	261.34	373.97	269.67	297.13	361.62	333.02
HWQ14 - Lake Washington	161.99	174.24	121.50	109.60	115.76	100.67	108.82	148.94	127.20	118.77	179.85	184.73
HWQ16 - Bayou Grand Liard	549.68	354.35	256.56	223.89	184.70	280.39	505.28	585.07	508.19	569.55	576.38	484.93
CRMS 3985	55.72	74.72	72.96	75.10	73.78	64.12	51.47	34.51	38.74	42.13	58.92	62.57
CRMS 0258	225.81	155.31	76.00	41.91	30.98	39.00	100.91	178.85	245.83	305.88	378.78	264.73
CRMS 0224	274.09	205.11	114.00	68.98	57.45	65.77	145.08	246.93	276.95	299.52	384.19	313.69
CRMS 0163	68.96	14.73	11.26	11.67	11.21	39.56	65.42	96.29	98.48	183.18	71.33	31.90
CRMS 0162	163.78	107.20	98.07	123.53	107.49	125.86	41.82	247.16	488.48	546.24	365.78	156.87

V3PR7 HYST - cy 4 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.74	11.51	10.86	10.94	10.99	15.17	15.94	17.56	18.98	20.13	22.17	15.19
CRMS0276 - Just east of Wilkinson Canal	226.02	93.49	33.29	31.84	20.80	81.08	210.49	321.43	306.66	385.05	380.63	235.15
Barataria Waterway at Lafitte (USACE82875)	117.18	25.41	12.73	12.38	11.77	22.75	59.93	99.75	69.77	148.72	150.95	54.16
USGS2928590900040000 Barataria Waterway South of Lafitte	18.19	11.53	10.85	10.93	10.96	14.01	18.24	38.08	105.13	93.68	131.47	68.51
USGS7380251 Barataria Bay North of Grand Isle	17.93	11.95	10.89	10.91	10.95	11.21	13.85	27.77	29.40	32.09	57.90	32.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	43.17	13.29	10.90	10.98	10.97	24.68	91.56	209.21	168.88	165.77	268.95	116.03
USGS 07380335 - Little Lake Near Cutoff	104.45	24.10	11.32	11.50	11.12	39.92	176.33	328.35	254.30	280.91	367.95	186.44
USGS073802516 Barataria Pass at Grand Isle	96.53	24.33	11.59	11.67	11.76	59.05	203.54	348.92	216.59	240.80	306.84	178.18
HWQ14 - Lake Washington	27.92	14.35	11.09	10.84	11.16	15.15	44.27	122.63	80.97	72.53	123.37	80.56
HWQ16 - Bayou Grand Liard	427.68	150.58	60.31	60.25	55.47	222.43	481.01	574.07	484.72	543.55	549.37	400.29
CRMS 3985	17.78	12.99	11.12	10.82	10.87	10.39	10.89	16.75	22.27	25.06	35.45	27.71
CRMS 0258	63.20	26.54	11.62	12.04	11.30	16.73	56.55	153.59	231.41	266.42	357.85	160.86
CRMS 0224	56.83	20.57	11.08	11.48	11.14	21.75	97.72	219.39	233.25	242.67	349.95	166.30
CRMS 0163	71.78	19.85	12.33	12.70	11.56	39.17	59.72	92.12	87.35	167.00	75.40	34.56
CRMS 0162	171.05	116.15	116.29	133.76	111.73	117.22	48.30	252.21	476.69	531.89	366.64	155.67

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-115.44	-148.45	-95.78	-56.12	-48.63	-39.81	-57.67	-73.12	-139.69	-116.54	-156.37	-165.89
CRMS0276 - Just east of Wilkinson Canal	-74.34	-25.28	-24.49	-13.57	-12.53	-20.56	-29.24	-12.22	-15.31	-24.03	-8.22	-28.07
Barataria Waterway at Lafitte (USACE82875)	-1.27	6.48	1.03	0.48	0.44	-0.36	-0.68	1.00	-7.47	-14.36	-9.83	0.59
USGS2928590900040000 Barataria Waterway South of Lafitte	-149.27	-172.85	-99.89	-45.75	-36.75	-32.57	-65.10	-81.63	-123.69	-106.19	-121.11	-173.36
USGS7380251 Barataria Bay North of Grand Isle	-73.43	-101.83	-78.89	-67.36	-64.40	-55.21	-47.35	-28.11	-36.68	-35.56	-50.28	-72.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	-239.76	-222.96	-130.02	-93.80	-86.46	-71.31	-75.34	-60.15	-62.52	-84.00	-76.57	-177.62
USGS 07380335 - Little Lake Near Cutoff	-259.56	-231.78	-139.54	-103.13	-93.84	-67.21	-62.46	-43.16	-52.51	-68.73	-57.37	-161.31
USGS073802516 Barataria Pass at Grand Isle	-235.73	-253.31	-159.28	-131.25	-127.26	-93.40	-57.80	-25.05	-53.08	-56.34	-54.78	-154.83
HWQ14 - Lake Washington	-134.07	-159.89	-110.41	-98.76	-104.60	-85.52	-64.55	-26.31	-46.23	-46.24	-56.48	-104.17
HWQ16 - Bayou Grand Liard	-122.00	-203.77	-196.25	-163.64	-129.23	-57.97	-24.27	-10.99	-23.48	-26.00	-27.01	-84.64
CRMS 3985	-37.94	-61.73	-61.84	-64.28	-62.91	-53.73	-40.58	-17.76	-16.47	-17.07	-23.46	-34.86
CRMS 0258	-162.61	-128.77	-64.38	-29.87	-19.68	-22.27	-44.36	-25.26	-14.42	-39.46	-20.93	-103.87
CRMS 0224	-217.26	-184.54	-102.92	-57.50	-46.30	-44.03	-47.36	-27.54	-43.70	-56.85	-34.24	-147.39
CRMS 0163	2.82	5.12	1.07	1.02	0.35	-0.38	-5.70	-4.17	-11.14	-16.18	4.06	2.67
CRMS 0162	7.28	8.96	18.22	10.23	4.24	-8.64	6.47	5.05	-11.79	-14.36	0.86	-1.20

Figure WQ SO4 187 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.63	187.23	130.34	120.62	133.05	116.24	92.08	101.37	190.71	175.76	176.74	162.60
CRMS0276 - Just east of Wilkinson Canal	396.93	203.16	218.99	155.43	155.32	227.52	328.99	439.61	444.33	413.36	319.53	274.96
Barataria Waterway at Lafitte (USACE82875)	202.17	45.12	42.86	40.82	49.68	43.44	122.72	188.59	328.68	110.19	113.62	66.16
USGS2928590900040000 Barataria Waterway South of Lafitte	178.90	230.21	168.89	121.99	135.97	120.28	112.69	137.65	292.34	262.19	242.08	210.54
USGS7380251 Barataria Bay North of Grand Isle	91.94	121.87	79.57	96.74	112.56	102.64	62.30	58.80	74.79	83.54	112.20	99.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	315.03	283.93	188.41	170.61	182.36	172.95	199.93	328.40	296.08	305.95	333.44	268.16
USGS 07380335 - Little Lake Near Cutoff	421.27	316.87	240.97	203.93	214.27	199.46	299.21	458.58	394.22	404.41	400.12	327.16
USGS073802516 Barataria Pass at Grand Isle	369.57	328.59	221.52	224.25	252.02	256.80	310.88	446.45	336.36	349.37	352.25	314.49
HWQ14 - Lake Washington	167.54	193.96	111.59	139.20	177.20	159.94	117.45	171.11	148.84	149.13	185.06	170.12
HWQ16 - Bayou Grand Liard	619.06	441.41	420.03	365.50	356.78	403.00	584.65	669.16	591.05	586.81	537.78	487.96
CRMS 3985	54.39	74.70	51.58	71.52	92.38	88.79	44.20	33.97	42.08	49.04	64.04	61.31
CRMS 0258	273.72	222.08	203.42	115.01	122.89	136.39	155.98	219.71	362.77	369.01	319.87	242.70
CRMS 0224	311.80	270.93	216.94	150.19	161.97	154.84	189.82	303.81	374.47	368.32	356.23	284.72
CRMS 0163	132.52	39.70	32.56	64.35	34.26	71.47	130.71	187.53	353.62	112.22	48.10	50.64
CRMS 0162	296.62	191.76	290.78	310.59	273.80	268.39	277.38	452.67	654.36	453.96	272.12	167.76

V3PR7 HYST - cy 4 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	19.14	14.52	15.98	15.88	14.56	17.33	18.86	19.35	20.28	19.70	20.04	17.79
CRMS0276 - Just east of Wilkinson Canal	363.73	177.93	198.03	137.00	145.34	204.26	307.20	418.38	398.50	379.84	304.80	255.64
Barataria Waterway at Lafitte (USACE82875)	189.84	50.18	43.60	39.66	53.09	41.84	122.19	170.88	267.44	103.72	100.49	61.50
USGS2928590900040000 Barataria Waterway South of Lafitte	61.03	15.30	26.97	22.55	15.51	26.04	24.47	40.58	125.50	114.00	118.64	85.14
USGS7380251 Barataria Bay North of Grand Isle	34.26	19.46	20.09	21.59	20.71	28.54	30.20	30.78	33.33	36.98	55.32	39.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	183.49	42.71	66.12	56.40	28.74	80.56	140.39	223.74	202.31	191.36	247.25	174.85
USGS 07380335 - Little Lake Near Cutoff	316.25	99.85	121.25	90.47	51.11	117.29	252.75	378.87	309.19	310.80	331.87	256.90
USGS073802516 Barataria Pass at Grand Isle	281.44	109.39	107.22	98.00	78.89	157.50	279.33	390.38	258.51	266.03	286.01	235.79
HWQ14 - Lake Washington	86.38	44.78	38.27	41.25	50.42	62.95	79.81	111.32	90.06	83.43	118.05	92.52
HWQ16 - Bayou Grand Liard	583.42	342.83	346.66	281.33	258.35	359.87	572.81	649.61	549.58	548.02	503.81	450.21
CRMS 3985	23.76	20.98	18.08	18.30	23.08	25.41	25.01	23.11	25.63	28.03	35.36	27.04
CRMS 0258	217.89	80.90	104.26	65.65	53.73	82.37	105.79	188.25	307.76	307.71	285.42	204.75
CRMS 0224	235.26	71.98	97.86	69.37	46.22	86.28	154.59	254.30	292.10	281.17	309.56	233.36
CRMS 0163	129.15	43.56	33.62	59.53	39.80	66.47	120.73	164.50	289.15	102.76	45.78	49.28
CRMS 0162	297.11	193.66	297.73	271.47	262.34	249.30	273.54	448.39	637.38	437.09	276.54	158.47

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-117.49	-172.71	-114.36	-104.74	-118.50	-98.91	-73.21	-82.02	-170.43	-156.06	-156.70	-144.81
CRMS0276 - Just east of Wilkinson Canal	-33.20	-25.23	-20.97	-18.42	-9.98	-23.27	-21.79	-21.23	-45.84	-33.52	-14.72	-19.31
Barataria Waterway at Lafitte (USACE82875)	-12.33	5.06	0.73	-1.15	3.41	-1.59	-0.52	-17.71	-61.23	-6.47	-13.12	-4.66
USGS2928590900040000 Barataria Waterway South of Lafitte	-117.86	-214.92	-141.93	-99.44	-120.47	-94.24	-88.23	-97.06	-166.84	-148.19	-123.44	-125.40
USGS7380251 Barataria Bay North of Grand Isle	-57.67	-102.41	-59.49	-75.15	-91.85	-74.10	-32.11	-28.02	-41.45	-46.57	-56.88	-59.14
USGS73802515 Hackberry Bay Northwest of Grand Isle	-131.54	-241.22	-122.28	-114.21	-153.61	-92.39	-59.54	-104.66	-93.78	-114.59	-86.19	-93.31
USGS 07380335 - Little Lake Near Cutoff	-105.03	-217.02	-119.72	-113.46	-163.16	-82.16	-46.46	-79.71	-85.03	-93.61	-68.24	-70.26
USGS073802516 Barataria Pass at Grand Isle	-88.13	-219.20	-114.31	-126.26	-173.13	-99.30	-31.55	-56.07	-77.84	-83.34	-66.24	-78.70
HWQ14 - Lake Washington	-81.16	-149.17	-73.32	-97.95	-126.78	-96.99	-37.65	-59.79	-58.78	-65.70	-67.00	-77.59
HWQ16 - Bayou Grand Liard	-35.64	-98.58	-73.37	-84.17	-98.43	-43.13	-11.84	-19.55	-41.47	-38.78	-33.97	-37.75
CRMS 3985	-30.64	-53.72	-33.51	-53.22	-69.30	-63.38	-19.19	-10.87	-16.45	-21.02	-28.67	-34.27
CRMS 0258	-55.83	-141.18	-99.16	-49.37	-69.17	-54.02	-50.19	-31.45	-55.01	-61.30	-34.45	-37.95
CRMS 0224	-76.54	-198.95	-119.08	-80.81	-115.75	-68.56	-35.23	-49.51	-82.37	-87.15	-46.67	-51.37
CRMS 0163	-3.36	3.86	1.06	-4.82	5.55	-5.00	-9.98	-23.03	-64.47	-9.46	-2.32	-1.36
CRMS 0162	0.50	1.90	6.95	-39.12	-11.46	-19.09	-3.84	-4.28	-16.97	-16.87	4.42	-9.29

Figure WQ SO4 188 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.94	159.01	102.48	81.85	84.33	73.08	61.00	55.14	94.49	94.73	147.03	178.34
CRMS0276 - Just east of Wilkinson Canal	327.44	85.19	84.38	62.32	74.91	60.49	123.59	189.41	211.83	314.97	380.09	354.08
Barataria Waterway at Lafitte (USACE82875)	102.59	14.36	15.51	15.54	25.52	13.02	21.75	36.44	37.80	93.95	170.93	91.81
USGS2928590900040000 Barataria Waterway South of Lafitte	190.23	177.53	103.79	73.32	78.79	62.66	71.37	72.34	132.97	137.39	210.72	247.65
USGS7380251 Barataria Bay North of Grand Isle	95.16	116.25	90.38	87.90	89.69	81.43	49.04	37.48	42.43	47.53	87.85	97.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	301.94	224.44	141.41	123.84	130.71	115.84	114.41	165.44	145.31	183.26	301.37	304.75
USGS 07380335 - Little Lake Near Cutoff	385.34	233.26	159.53	136.36	148.80	117.95	148.40	229.19	202.42	270.58	385.45	376.96
USGS073802516 Barataria Pass at Grand Isle	350.72	261.94	175.00	168.25	187.17	163.84	175.49	246.05	179.85	230.70	321.27	347.46
HWQ14 - Lake Washington	169.57	174.40	120.63	124.40	143.23	123.68	83.12	95.01	81.98	83.22	146.29	175.04
HWQ16 - Bayou Grand Liard	553.01	318.11	294.38	261.50	261.87	236.20	358.11	428.52	408.34	505.41	562.14	538.47
CRMS 3985	56.13	77.96	75.84	80.97	83.59	75.23	37.65	25.86	27.60	30.93	47.52	55.18
CRMS 0258	273.87	132.24	75.62	55.76	62.80	40.56	71.65	98.20	136.97	214.32	332.73	333.23
CRMS 0224	307.36	182.71	114.11	87.40	97.00	75.82	100.50	147.09	166.51	216.68	335.34	351.47
CRMS 0163	43.35	11.86	14.46	25.48	15.94	15.43	23.95	38.32	45.73	96.80	93.75	69.20
CRMS 0162	117.32	82.92	150.68	167.70	191.53	79.71	16.96	84.57	283.16	348.25	409.10	283.22

V3PR7 HYST - cy 4 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.67	10.97	12.39	11.78	12.05	12.47	13.19	14.81	17.20	18.60	22.02	19.14
CRMS0276 - Just east of Wilkinson Canal	186.94	63.93	51.88	46.06	57.47	35.38	39.69	106.07	199.90	298.74	366.07	326.97
Barataria Waterway at Lafitte (USACE82875)	95.97	17.24	17.10	18.12	32.36	14.12	23.87	37.59	36.40	90.32	155.67	84.07
USGS2928590900040000 Barataria Waterway South of Lafitte	13.48	10.97	12.36	11.71	12.05	12.38	13.04	16.08	55.75	72.86	113.93	103.03
USGS7380251 Barataria Bay North of Grand Isle	16.21	11.27	12.29	11.53	11.97	11.97	12.43	14.33	21.53	30.78	56.11	48.31
USGS73802515 Hackberry Bay Northwest of Grand Isle	25.39	11.50	12.61	11.82	12.47	12.26	12.83	42.54	107.47	143.85	247.45	210.72
USGS 07380335 - Little Lake Near Cutoff	71.06	16.96	14.48	13.21	15.10	12.99	14.78	79.09	166.67	239.12	341.41	309.95
USGS073802516 Barataria Pass at Grand Isle	63.97	17.79	14.79	14.37	19.33	15.61	17.43	89.81	151.65	213.49	289.44	275.99
HWQ14 - Lake Washington	30.54	13.47	12.08	12.02	15.54	11.49	11.01	22.79	60.99	71.92	117.12	108.00
HWQ16 - Bayou Grand Liard	358.19	111.09	117.76	89.29	115.57	122.64	223.06	353.59	395.09	493.60	539.02	503.20
CRMS 3985	19.48	12.75	12.17	11.44	12.01	11.29	11.59	12.53	16.76	23.55	37.26	34.11
CRMS 0258	47.14	18.07	14.34	14.58	16.93	12.64	12.64	30.57	116.39	194.00	314.47	289.47
CRMS 0224	37.49	14.74	13.19	13.18	15.55	12.62	12.86	40.34	129.24	191.11	313.92	296.14
CRMS 0163	50.87	13.56	16.86	35.28	19.02	18.19	24.79	39.34	43.33	94.80	92.86	65.23
CRMS 0162	128.64	92.22	171.36	172.94	192.78	77.62	16.31	81.17	281.62	348.91	421.07	280.63

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-129.26	-148.03	-90.09	-70.07	-72.28	-60.62	-47.81	-40.33	-77.29	-76.13	-125.01	-159.19
CRMS0276 - Just east of Wilkinson Canal	-140.49	-21.26	-32.51	-16.25	-17.44	-25.11	-83.90	-83.34	-11.93	-16.23	-14.01	-27.11
Barataria Waterway at Lafitte (USACE82875)	-6.62	2.87	1.59	2.58	6.84	1.11	2.12	1.15	-1.41	-3.62	-15.25	-7.74
USGS2928590900040000 Barataria Waterway South of Lafitte	-176.75	-166.56	-91.43	-61.62	-66.74	-50.28	-58.32	-56.26	-77.21	-64.53	-96.79	-144.63
USGS7380251 Barataria Bay North of Grand Isle	-78.96	-104.98	-78.09	-76.37	-77.72	-69.46	-36.61	-23.15	-20.90	-16.76	-31.74	-48.81
USGS73802515 Hackberry Bay Northwest of Grand Isle	-276.55	-212.94	-128.80	-112.01	-118.24	-103.58	-101.58	-122.91	-37.84	-39.40	-53.92	-94.03
USGS 07380335 - Little Lake Near Cutoff	-314.28	-216.29	-145.06	-123.15	-133.70	-104.96	-133.62	-150.10	-35.75	-31.47	-44.04	-67.02
USGS073802516 Barataria Pass at Grand Isle	-286.74	-244.15	-160.21	-153.88	-167.84	-148.24	-158.07	-156.25	-28.20	-17.21	-31.83	-71.46
HWQ14 - Lake Washington	-139.03	-160.93	-108.55	-112.38	-127.69	-112.19	-72.11	-72.22	-20.99	-11.30	-29.17	-67.03
HWQ16 - Bayou Grand Liard	-194.82	-207.03	-176.62	-172.20	-146.31	-113.55	-135.05	-74.93	-13.25	-11.81	-23.12	-35.27
CRMS 3985	-36.65	-65.21	-63.67	-69.53	-71.59	-63.94	-26.06	-13.33	-10.85	-7.38	-10.27	-21.07
CRMS 0258	-226.73	-114.18	-61.28	-41.18	-45.87	-27.92	-59.01	-67.63	-20.58	-20.32	-18.25	-43.77
CRMS 0224	-269.88	-167.97	-100.91	-74.22	-81.45	-63.21	-87.64	-106.76	-37.27	-25.57	-21.43	-55.33
CRMS 0163	7.52	1.71	2.39	9.80	3.08	2.76	0.84	1.02	-2.39	-1.99	-0.89	-3.97
CRMS 0162	11.32	9.30	20.68	5.24	1.24	-2.08	-0.66	-3.40	-1.54	0.66	11.97	-2.59

Figure WQ SO4 189 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	118.89	178.72	137.97	84.95	67.07	55.45	62.93	77.81	121.39	108.10	161.62	173.30
CRMS0276 - Just east of Wilkinson Canal	261.71	319.84	158.93	54.72	34.85	27.28	100.48	217.97	240.63	353.13	401.95	177.43
Barataria Waterway at Lafitte (USACE82875)	116.66	99.44	24.30	12.60	13.16	11.58	19.45	47.13	45.33	115.66	176.81	28.14
USGS2928590900040000 Barataria Waterway South of Lafitte	144.92	231.65	188.53	72.40	54.49	44.42	66.73	96.01	164.84	151.37	231.52	231.06
USGS7380251 Barataria Bay North of Grand Isle	83.38	109.62	81.78	87.60	80.99	69.47	59.88	59.42	58.26	57.15	97.23	100.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	250.66	283.61	200.56	126.11	107.98	88.59	110.90	200.17	174.93	200.90	325.25	279.72
USGS 07380335 - Little Lake Near Cutoff	327.46	341.75	244.01	136.08	114.52	84.29	134.80	268.06	234.49	291.70	411.46	318.73
USGS073802516 Barataria Pass at Grand Isle	297.19	331.18	227.43	166.89	151.40	122.58	164.96	284.41	211.83	250.74	343.48	312.80
HWQ14 - Lake Washington	145.04	173.45	117.42	125.02	127.50	102.05	91.37	127.24	104.35	97.56	161.23	179.79
HWQ16 - Bayou Grand Liard	519.46	504.37	367.99	245.16	185.10	170.55	333.25	475.08	442.39	529.47	579.95	424.13
CRMS 3985	50.99	64.97	51.74	74.47	76.86	67.59	55.61	44.67	37.97	37.88	52.99	58.99
CRMS 0258	181.95	288.07	212.02	49.54	35.63	27.12	57.31	117.50	164.80	230.20	366.57	240.05
CRMS 0224	234.40	305.27	235.79	82.80	63.78	53.27	89.19	175.92	196.26	233.71	365.46	293.87
CRMS 0163	86.84	89.53	17.32	13.00	12.46	12.15	21.27	50.54	56.07	128.19	87.44	16.65
CRMS 0162	241.36	380.75	161.60	147.20	92.49	40.14	15.57	107.67	344.41	455.16	385.52	84.64

V3PR7 HYST - cy 4 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.34	19.82	11.87	11.36	12.39	11.58	13.07	15.74	17.74	19.86	21.79	11.94
CRMS0276 - Just east of Wilkinson Canal	202.44	302.91	139.16	39.65	22.44	16.83	33.15	162.91	227.21	336.36	385.60	152.62
Barataria Waterway at Lafitte (USACE82875)	105.29	96.13	27.55	13.56	14.74	11.74	20.58	42.37	47.10	112.10	159.31	35.30
USGS2928590900040000 Barataria Waterway South of Lafitte	19.99	75.66	14.47	11.35	12.37	11.53	12.89	22.00	70.28	76.77	117.25	12.41
USGS7380251 Barataria Bay North of Grand Isle	17.54	47.82	15.78	11.46	12.34	11.42	12.13	16.73	25.65	33.39	59.03	15.76
USGS73802515 Hackberry Bay Northwest of Grand Isle	90.71	191.01	26.77	11.52	12.37	11.46	12.70	92.60	128.55	154.50	258.71	18.29
USGS 07380335 - Little Lake Near Cutoff	170.86	267.18	47.14	12.55	12.57	11.54	15.48	165.77	193.23	255.63	363.26	45.58
USGS073802516 Barataria Pass at Grand Isle	150.10	252.44	47.02	13.63	13.29	12.18	16.86	185.44	174.51	227.30	305.55	51.83
HWQ14 - Lake Washington	36.35	99.46	27.87	12.50	12.66	11.32	10.70	46.95	70.56	76.73	125.68	38.64
HWQ16 - Bayou Grand Liard	439.33	467.05	181.76	76.00	56.40	67.55	200.79	433.68	421.16	520.06	553.29	241.30
CRMS 3985	16.91	31.56	18.32	11.98	12.25	11.35	11.26	13.15	19.62	25.71	39.81	24.03
CRMS 0258	71.20	226.04	54.32	13.28	12.90	11.47	12.34	54.77	145.94	209.27	344.48	63.60
CRMS 0224	101.06	231.78	43.16	12.35	12.63	11.47	12.67	89.41	157.09	205.05	339.35	48.61
CRMS 0163	83.26	85.26	18.36	15.80	12.79	13.01	22.66	45.14	54.06	120.88	83.98	19.64
CRMS 0162	243.27	370.75	174.37	152.15	90.12	41.67	15.69	107.75	337.01	443.09	398.66	92.41

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-102.55	-158.90	-126.10	-73.60	-54.68	-43.87	-49.86	-62.06	-103.64	-88.25	-139.82	-161.36
CRMS0276 - Just east of Wilkinson Canal	-59.26	-16.92	-19.77	-15.08	-12.41	-10.45	-67.33	-55.05	-13.42	-16.78	-16.35	-24.81
Barataria Waterway at Lafitte (USACE82875)	-11.37	-3.32	3.25	0.96	1.59	0.16	1.14	-4.76	1.77	-3.56	-17.50	7.16
USGS2928590900040000 Barataria Waterway South of Lafitte	-124.93	-155.99	-174.06	-61.05	-42.12	-32.89	-53.84	-74.01	-94.56	-74.60	-114.28	-218.65
USGS7380251 Barataria Bay North of Grand Isle	-65.85	-61.80	-66.00	-76.14	-68.65	-58.05	-47.75	-42.69	-32.61	-23.76	-38.20	-84.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	-159.95	-92.60	-173.79	-114.59	-95.61	-77.13	-98.21	-107.57	-46.38	-46.40	-66.54	-261.42
USGS 07380335 - Little Lake Near Cutoff	-156.60	-74.57	-196.87	-123.53	-101.95	-72.75	-119.32	-102.28	-41.26	-36.08	-48.20	-273.14
USGS073802516 Barataria Pass at Grand Isle	-147.09	-78.74	-180.41	-153.26	-138.11	-110.40	-148.10	-98.97	-37.32	-23.45	-37.93	-260.97
HWQ14 - Lake Washington	-108.68	-73.98	-89.54	-112.53	-114.84	-90.73	-80.67	-80.29	-33.78	-20.83	-35.55	-141.15
HWQ16 - Bayou Grand Liard	-80.13	-37.32	-186.23	-169.16	-128.71	-103.00	-132.46	-41.39	-21.23	-9.42	-26.66	-182.83
CRMS 3985	-34.08	-33.41	-33.41	-62.50	-64.61	-56.24	-44.36	-31.52	-18.35	-12.17	-13.18	-34.95
CRMS 0258	-110.76	-62.03	-157.70	-36.27	-22.72	-15.65	-44.96	-62.73	-18.86	-20.92	-22.09	-176.45
CRMS 0224	-133.34	-73.49	-192.63	-70.45	-51.15	-41.81	-76.51	-86.51	-39.17	-28.67	-26.11	-245.26
CRMS 0163	-3.58	-4.27	1.04	2.80	0.33	0.87	1.38	-5.40	-2.01	-7.31	-3.46	2.99
CRMS 0162	1.91	-9.99	12.77	4.95	-2.37	1.53	0.12	0.08	-7.40	-12.07	13.15	7.77

Figure WQ SO4 190 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.83	177.39	118.39	71.10	54.81	51.78	61.46	74.68	106.15	82.29	133.19	172.81
CRMS0276 - Just east of Wilkinson Canal	360.87	199.35	74.98	35.22	29.54	43.02	88.86	201.52	199.72	238.73	380.20	396.54
Barataria Waterway at Lafitte (USACE82875)	146.68	41.69	12.96	12.09	11.51	11.72	15.92	39.12	29.22	67.94	175.33	118.58
USGS2928590900040000 Barataria Waterway South of Lafitte	194.17	215.12	137.66	58.66	42.80	42.86	66.14	91.51	140.28	108.04	191.05	241.46
USGS7380251 Barataria Bay North of Grand Isle	95.31	115.76	84.53	80.45	72.05	63.34	57.00	57.40	53.05	47.47	80.76	93.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	320.95	267.95	161.26	107.07	91.12	86.52	110.73	186.52	152.42	154.30	280.16	305.73
USGS 07380335 - Little Lake Near Cutoff	415.05	305.80	179.15	111.73	97.95	87.22	131.01	247.96	201.96	225.45	366.82	387.65
USGS073802516 Barataria Pass at Grand Isle	371.67	313.93	189.20	143.35	131.03	127.49	163.59	267.73	189.11	199.04	301.16	350.92
HWQ14 - Lake Washington	174.93	180.99	118.83	113.67	110.09	96.92	92.01	121.83	95.76	80.28	132.02	169.26
HWQ16 - Bayou Grand Liard	592.62	429.02	288.73	204.27	175.48	203.11	313.61	456.42	400.13	448.28	555.19	560.62
CRMS 3985	55.04	71.86	61.13	74.29	71.52	61.42	51.80	43.02	35.89	33.08	44.82	53.00
CRMS 0258	281.76	211.13	106.37	37.93	27.42	29.41	59.55	109.89	130.94	148.53	314.42	351.85
CRMS 0224	324.82	257.07	148.13	65.79	51.92	54.78	89.85	163.63	166.35	167.15	312.97	357.66
CRMS 0163	82.19	33.90	11.93	12.07	11.35	12.89	16.39	45.78	41.06	76.44	104.58	75.81
CRMS 0162	160.09	160.14	118.42	93.78	96.92	64.39	14.36	94.97	228.55	238.43	429.28	332.77

V3PR8 HYST - cy 4 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.16	14.27	11.24	11.84	11.11	11.47	12.14	15.26	15.51	16.51	23.07	19.52
CRMS0276 - Just east of Wilkinson Canal	326.25	205.28	60.77	28.39	21.50	26.04	25.30	127.39	202.62	245.14	398.55	410.76
Barataria Waterway at Lafitte (USACE82875)	153.02	56.13	18.14	12.46	11.97	13.13	19.41	51.16	38.21	89.03	154.13	128.46
USGS2928590900040000 Barataria Waterway South of Lafitte	28.59	30.17	11.23	11.82	11.11	11.44	12.00	15.26	34.59	25.62	127.21	130.36
USGS7380251 Barataria Bay North of Grand Isle	25.25	19.78	11.43	11.77	11.20	11.25	11.46	13.36	17.77	17.40	48.87	45.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	77.12	71.26	11.35	11.83	11.19	11.34	11.76	38.88	75.86	65.51	242.97	213.98
USGS 07380335 - Little Lake Near Cutoff	186.73	114.83	12.43	12.28	11.40	11.51	12.71	87.28	150.36	141.36	344.70	331.92
USGS073802516 Barataria Pass at Grand Isle	160.52	111.11	13.62	12.34	12.14	12.07	12.68	98.38	128.51	124.96	285.14	287.91
HWQ14 - Lake Washington	46.17	35.66	12.78	11.68	11.72	10.58	10.24	21.37	49.20	34.39	106.69	99.06
HWQ16 - Bayou Grand Liard	509.82	308.73	90.15	52.21	52.62	88.95	161.13	371.76	369.25	415.40	550.22	543.55
CRMS 3985	25.30	18.70	12.34	11.66	11.41	10.83	10.81	11.59	14.74	16.44	30.91	32.56
CRMS 0258	137.91	97.35	13.67	12.74	11.47	11.50	11.55	33.21	117.21	101.49	321.39	333.71
CRMS 0224	117.84	92.37	11.90	12.25	11.34	11.47	11.72	39.91	120.67	89.33	314.62	319.12
CRMS 0163	90.01	38.95	13.57	12.28	11.53	13.83	17.43	45.07	38.22	87.46	103.53	74.50
CRMS 0162	168.75	158.77	134.13	92.78	102.59	61.78	13.82	100.56	238.64	266.94	437.41	326.95

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-128.67	-163.12	-107.15	-59.26	-43.70	-40.31	-49.32	-59.42	-90.64	-65.78	-110.11	-153.29
CRMS0276 - Just east of Wilkinson Canal	-34.62	5.93	-14.21	-6.83	-8.04	-16.98	-63.56	-74.13	2.90	6.41	18.35	14.22
Barataria Waterway at Lafitte (USACE82875)	6.34	14.44	5.18	0.37	0.47	1.41	3.48	12.04	8.99	21.09	-21.20	9.88
USGS2928590900040000 Barataria Waterway South of Lafitte	-165.58	-184.95	-126.43	-46.84	-31.69	-31.42	-54.15	-76.26	-105.69	-82.42	-63.85	-111.10
USGS7380251 Barataria Bay North of Grand Isle	-70.06	-95.98	-73.10	-68.68	-60.86	-52.09	-45.53	-44.04	-35.28	-30.08	-31.89	-48.51
USGS73802515 Hackberry Bay Northwest of Grand Isle	-243.84	-196.69	-149.91	-95.24	-79.94	-75.18	-98.96	-147.64	-76.55	-88.79	-37.19	-91.75
USGS 07380335 - Little Lake Near Cutoff	-228.32	-190.97	-166.72	-99.45	-86.55	-75.72	-118.30	-160.68	-51.59	-84.09	-22.13	-55.73
USGS073802516 Barataria Pass at Grand Isle	-211.15	-202.81	-175.58	-131.01	-118.89	-115.43	-150.91	-169.35	-60.60	-74.08	-16.02	-63.01
HWQ14 - Lake Washington	-128.76	-145.33	-106.05	-101.99	-98.37	-86.33	-81.77	-100.46	-46.55	-45.89	-25.33	-70.20
HWQ16 - Bayou Grand Liard	-82.81	-120.28	-198.57	-152.05	-122.86	-114.16	-152.48	-84.66	-30.88	-32.88	-4.97	-17.07
CRMS 3985	-29.74	-53.17	-48.79	-62.62	-60.11	-50.59	-40.99	-31.43	-21.15	-16.64	-13.91	-20.45
CRMS 0258	-143.85	-113.78	-92.70	-25.19	-15.94	-17.90	-48.00	-76.68	-13.73	-47.04	6.96	-18.14
CRMS 0224	-206.97	-164.69	-136.24	-53.54	-40.58	-43.32	-78.13	-123.72	-45.69	-77.82	1.65	-38.54
CRMS 0163	7.82	5.05	1.65	0.22	0.18	0.94	1.04	-0.71	-2.84	11.02	-1.05	-1.31
CRMS 0162	8.67	-1.37	15.71	-1.01	5.68	-2.61	-0.54	5.59	10.09	28.50	8.13	-5.82

Figure WQ SO4 191 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.18	159.96	106.63	67.05	59.62	54.98	73.61	90.68	158.66	136.67	178.55	181.08
CRMS0276 - Just east of Wilkinson Canal	300.36	118.77	57.78	45.40	33.33	101.64	239.73	333.66	321.97	409.08	388.85	263.21
Barataria Waterway at Lafitte (USACE82875)	118.45	18.93	11.70	11.90	11.33	23.11	60.61	98.76	77.24	163.08	160.78	53.56
USGS2928590900040000 Barataria Waterway South of Lafitte	167.46	184.38	110.74	56.68	47.71	46.58	83.34	119.71	228.82	199.87	252.58	241.88
USGS7380251 Barataria Bay North of Grand Isle	91.36	113.78	89.78	78.27	75.34	66.42	61.19	55.88	66.07	67.65	108.18	105.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	282.92	236.25	140.92	104.78	97.43	95.99	166.90	269.36	231.40	249.77	345.52	293.65
USGS 07380335 - Little Lake Near Cutoff	364.01	255.89	150.86	114.63	104.96	107.13	238.79	371.50	306.81	349.63	425.31	347.75
USGS073802516 Barataria Pass at Grand Isle	332.26	277.63	170.86	142.92	139.02	152.45	261.34	373.97	269.67	297.13	361.62	333.02
HWQ14 - Lake Washington	161.99	174.24	121.50	109.60	115.76	100.67	108.82	148.94	127.20	118.77	179.85	184.73
HWQ16 - Bayou Grand Liard	549.68	354.35	256.56	223.89	184.70	280.39	505.28	585.07	508.19	569.55	576.38	484.93
CRMS 3985	55.72	74.72	72.96	75.10	73.78	64.12	51.47	34.51	38.74	42.13	58.92	62.57
CRMS 0258	225.81	155.31	76.00	41.91	30.98	39.00	100.91	178.85	245.83	305.88	378.78	264.73
CRMS 0224	274.09	205.11	114.00	68.98	57.45	65.77	145.08	246.93	276.95	299.52	384.19	313.69
CRMS 0163	68.96	14.73	11.26	11.67	11.21	39.56	65.42	96.29	98.48	183.18	71.33	31.90
CRMS 0162	163.78	107.20	98.07	123.53	107.49	125.86	41.82	247.16	488.48	546.24	365.78	156.87

V3PR8 HYST - cy 4 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	14.78	11.51	10.86	10.94	10.99	15.17	15.94	17.74	20.02	20.32	23.11	15.20
CRMS0276 - Just east of Wilkinson Canal	242.56	106.52	37.41	37.67	23.05	85.52	215.88	328.03	322.04	395.13	403.61	257.77
Barataria Waterway at Lafitte (USACE82875)	127.94	33.25	14.20	13.41	12.35	26.88	81.92	122.05	90.64	154.17	138.89	63.99
USGS2928590900040000 Barataria Waterway South of Lafitte	18.81	11.53	10.85	10.93	10.97	13.68	18.98	40.66	112.42	113.08	164.27	84.94
USGS7380251 Barataria Bay North of Grand Isle	18.03	11.97	10.90	10.92	10.95	11.20	13.45	29.38	31.78	32.34	54.36	33.00
USGS73802515 Hackberry Bay Northwest of Grand Isle	41.68	13.04	10.90	10.98	10.97	23.73	87.46	212.20	176.60	165.99	271.39	117.04
USGS 07380335 - Little Lake Near Cutoff	103.78	24.53	11.35	11.54	11.13	39.05	174.09	333.62	266.54	285.08	378.78	193.60
USGS073802516 Barataria Pass at Grand Isle	93.61	24.22	11.65	11.75	11.80	57.10	198.37	355.68	225.05	241.35	309.17	180.57
HWQ14 - Lake Washington	26.86	14.40	11.16	10.87	11.15	14.74	38.64	125.40	83.21	69.53	116.53	76.66
HWQ16 - Bayou Grand Liard	430.97	156.06	62.47	63.14	57.60	222.78	480.87	571.09	488.30	544.24	556.32	409.78
CRMS 3985	18.29	13.11	11.16	10.85	10.88	10.41	10.73	17.14	23.51	25.40	34.55	29.93
CRMS 0258	67.69	26.78	11.61	12.13	11.37	17.36	59.23	162.07	244.17	277.09	375.15	170.95
CRMS 0224	56.46	20.23	11.06	11.48	11.19	21.78	96.32	223.23	244.21	248.35	362.49	171.72
CRMS 0163	77.49	21.51	12.08	12.78	11.95	38.50	60.92	89.65	90.73	151.25	79.41	37.58
CRMS 0162	169.61	111.68	116.51	134.97	109.03	124.08	48.68	243.43	468.43	514.16	368.46	148.69

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-115.41	-148.45	-95.78	-56.12	-48.63	-39.81	-57.68	-72.94	-138.64	-116.35	-155.44	-165.88
CRMS0276 - Just east of Wilkinson Canal	-57.80	-12.25	-20.37	-7.74	-10.28	-16.12	-23.84	-5.63	0.07	-13.95	14.75	-5.44
Barataria Waterway at Lafitte (USACE82875)	9.50	14.32	2.50	1.52	1.01	3.77	21.31	23.30	13.40	-8.91	-21.89	10.43
USGS2928590900040000 Barataria Waterway South of Lafitte	-148.66	-172.85	-99.89	-45.75	-36.74	-32.91	-64.37	-79.05	-116.39	-86.80	-88.32	-156.93
USGS7380251 Barataria Bay North of Grand Isle	-73.33	-101.80	-78.88	-67.35	-64.40	-55.22	-47.74	-26.50	-34.29	-35.31	-53.82	-72.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	-241.24	-223.21	-130.03	-93.80	-86.46	-72.25	-79.43	-57.16	-54.81	-83.78	-74.13	-176.60
USGS 07380335 - Little Lake Near Cutoff	-260.23	-231.35	-139.51	-103.09	-93.82	-68.08	-64.70	-37.89	-40.27	-64.56	-46.53	-154.15
USGS073802516 Barataria Pass at Grand Isle	-238.65	-253.41	-159.22	-131.17	-127.22	-95.35	-62.97	-18.29	-44.62	-55.78	-52.45	-152.45
HWQ14 - Lake Washington	-135.14	-159.84	-110.35	-98.73	-104.61	-85.93	-70.18	-23.53	-43.98	-49.24	-63.32	-108.07
HWQ16 - Bayou Grand Liard	-118.71	-198.29	-194.09	-160.75	-127.11	-57.61	-24.42	-13.98	-19.89	-25.31	-20.06	-75.15
CRMS 3985	-37.44	-61.61	-61.80	-64.25	-62.90	-53.71	-40.74	-17.38	-15.23	-16.73	-24.37	-32.64
CRMS 0258	-158.12	-128.53	-64.39	-29.79	-19.61	-21.64	-41.67	-16.78	-1.66	-28.80	-3.64	-93.77
CRMS 0224	-217.63	-184.89	-102.94	-57.50	-46.26	-43.99	-48.75	-23.70	-32.74	-51.17	-21.70	-141.97
CRMS 0163	8.53	6.78	0.82	1.11	0.74	-1.06	-4.50	-6.64	-7.75	-31.94	8.07	5.68
CRMS 0162	5.83	4.48	18.44	11.43	1.55	-1.78	6.86	-3.73	-20.06	-32.08	2.68	-8.18

Figure WQ SO4 192 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.63	187.23	130.34	120.62	133.05	116.24	92.08	101.37	190.71	175.76	176.74	162.60
CRMS0276 - Just east of Wilkinson Canal	396.93	203.16	218.99	155.43	155.32	227.52	328.99	439.61	444.33	413.36	319.53	274.96
Barataria Waterway at Lafitte (USACE82875)	202.17	45.12	42.86	40.82	49.68	43.44	122.72	188.59	328.68	110.19	113.62	66.16
USGS2928590900040000 Barataria Waterway South of Lafitte	178.90	230.21	168.89	121.99	135.97	120.28	112.69	137.65	292.34	262.19	242.08	210.54
USGS7380251 Barataria Bay North of Grand Isle	91.94	121.87	79.57	96.74	112.56	102.64	62.30	58.80	74.79	83.54	112.20	99.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	315.03	283.93	188.41	170.61	182.36	172.95	199.93	328.40	296.08	305.95	333.44	268.16
USGS 07380335 - Little Lake Near Cutoff	421.27	316.87	240.97	203.93	214.27	199.46	299.21	458.58	394.22	404.41	400.12	327.16
USGS073802516 Barataria Pass at Grand Isle	369.57	328.59	221.52	224.25	252.02	256.80	310.88	446.45	336.36	349.37	352.25	314.49
HWQ14 - Lake Washington	167.54	193.96	111.59	139.20	177.20	159.94	117.45	171.11	148.84	149.13	185.06	170.12
HWQ16 - Bayou Grand Liard	619.06	441.41	420.03	365.50	356.78	403.00	584.65	669.16	591.05	586.81	537.78	487.96
CRMS 3985	54.39	74.70	51.58	71.52	92.38	88.79	44.20	33.97	42.08	49.04	64.04	61.31
CRMS 0258	273.72	222.08	203.42	115.01	122.89	136.39	155.98	219.71	362.77	369.01	319.87	242.70
CRMS 0224	311.80	270.93	216.94	150.19	161.97	154.84	189.82	303.81	374.47	368.32	356.23	284.72
CRMS 0163	132.52	39.70	32.56	64.35	34.26	71.47	130.71	187.53	353.62	112.22	48.10	50.64
CRMS 0162	296.62	191.76	290.78	310.59	273.80	268.39	277.38	452.67	654.36	453.96	272.12	167.76

V3PR8 HYST - cy 4 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	19.54	14.46	16.02	16.06	14.56	17.37	18.87	19.46	21.23	19.90	21.50	17.97
CRMS0276 - Just east of Wilkinson Canal	379.93	201.95	221.27	150.40	164.62	217.35	318.19	442.02	426.30	407.08	326.23	276.58
Barataria Waterway at Lafitte (USACE82875)	196.32	60.52	50.57	45.70	59.59	56.58	163.35	254.38	278.13	125.23	92.74	68.45
USGS2928590900040000 Barataria Waterway South of Lafitte	77.88	15.47	31.53	24.74	16.42	30.45	28.48	45.35	137.18	143.33	152.71	107.85
USGS7380251 Barataria Bay North of Grand Isle	37.28	20.09	21.10	21.89	20.77	28.25	29.53	30.97	33.19	35.98	53.70	42.29
USGS73802515 Hackberry Bay Northwest of Grand Isle	182.44	41.07	67.07	56.70	28.49	82.62	138.84	227.21	208.95	196.66	255.27	178.60
USGS 07380335 - Little Lake Near Cutoff	320.82	103.71	127.61	93.99	52.77	123.82	254.55	392.08	323.04	324.91	347.41	266.68
USGS073802516 Barataria Pass at Grand Isle	282.73	109.34	109.26	99.13	79.03	161.16	278.30	401.22	263.28	271.87	292.64	240.36
HWQ14 - Lake Washington	83.10	44.01	37.27	40.33	47.87	60.33	72.23	109.08	86.79	79.36	114.79	89.30
HWQ16 - Bayou Grand Liard	589.74	349.93	357.64	287.90	266.08	370.27	576.97	659.58	560.25	556.55	511.23	457.71
CRMS 3985	28.27	23.17	20.36	19.22	23.20	25.14	24.53	23.07	25.19	27.08	35.11	32.03
CRMS 0258	231.46	84.56	115.90	72.53	57.75	91.35	114.55	203.81	336.69	332.68	307.80	219.16
CRMS 0224	239.80	72.36	103.93	73.99	48.35	92.60	156.90	262.56	310.76	297.40	328.56	243.80
CRMS 0163	130.60	45.14	33.62	59.60	41.30	65.42	122.57	170.90	296.32	107.46	51.13	49.90
CRMS 0162	297.86	197.01	284.22	265.65	257.37	263.29	261.50	441.32	642.93	426.65	264.56	155.57

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-117.09	-172.77	-114.31	-104.57	-118.49	-98.87	-73.21	-81.91	-169.47	-155.85	-155.24	-144.63
CRMS0276 - Just east of Wilkinson Canal	-17.00	-1.22	2.28	-5.03	9.31	-10.18	-10.80	2.41	-18.03	-6.28	6.71	1.62
Barataria Waterway at Lafitte (USACE82875)	-5.86	15.39	7.71	4.88	9.91	13.14	40.63	65.79	-50.55	15.04	-20.88	2.28
USGS2928590900040000 Barataria Waterway South of Lafitte	-101.02	-214.75	-137.36	-97.25	-119.55	-89.82	-84.21	-92.30	-155.16	-118.86	-89.37	-102.68
USGS7380251 Barataria Bay North of Grand Isle	-54.65	-101.77	-58.47	-74.85	-91.79	-74.39	-32.78	-27.83	-41.60	-47.57	-58.49	-56.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	-132.59	-242.87	-121.33	-113.91	-153.87	-90.33	-61.08	-101.19	-87.13	-109.29	-78.17	-89.56
USGS 07380335 - Little Lake Near Cutoff	-100.45	-213.16	-113.36	-109.94	-161.50	-75.64	-44.65	-66.50	-71.18	-79.50	-52.71	-60.47
USGS073802516 Barataria Pass at Grand Isle	-86.84	-219.25	-112.26	-125.13	-172.99	-95.65	-32.58	-45.23	-73.08	-77.50	-59.61	-74.13
HWQ14 - Lake Washington	-84.43	-149.94	-74.32	-98.88	-129.33	-99.61	-45.22	-62.03	-62.05	-69.77	-70.27	-80.82
HWQ16 - Bayou Grand Liard	-29.32	-91.48	-62.40	-77.61	-90.70	-32.73	-7.68	-9.58	-30.80	-30.25	-26.55	-30.24
CRMS 3985	-26.13	-51.53	-31.22	-52.30	-69.18	-63.65	-19.67	-10.90	-16.89	-21.96	-28.93	-29.28
CRMS 0258	-42.26	-137.52	-87.52	-42.48	-65.14	-45.04	-41.43	-15.90	-26.08	-36.33	-12.07	-23.54
CRMS 0224	-72.00	-198.57	-113.00	-76.19	-113.62	-62.24	-32.92	-41.24	-63.71	-70.92	-27.66	-40.92
CRMS 0163	-1.91	5.44	1.07	-4.75	7.04	-6.05	-8.13	-16.63	-57.30	-4.76	3.04	-0.75
CRMS 0162	1.24	5.25	-6.56	-44.94	-16.43	-5.11	-15.88	-11.35	-11.43	-27.31	-7.56	-12.19

Figure WQ SO4 193 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.94	159.01	102.48	81.85	84.33	73.08	61.00	55.14	94.49	94.73	147.03	178.34
CRMS0276 - Just east of Wilkinson Canal	327.44	85.19	84.38	62.32	74.91	60.49	123.59	189.41	211.83	314.97	380.09	354.08
Barataria Waterway at Lafitte (USACE82875)	102.59	14.36	15.51	15.54	25.52	13.02	21.75	36.44	37.80	93.95	170.93	91.81
USGS2928590900040000 Barataria Waterway South of Lafitte	190.23	177.53	103.79	73.32	78.79	62.66	71.37	72.34	132.97	137.39	210.72	247.65
USGS7380251 Barataria Bay North of Grand Isle	95.16	116.25	90.38	87.90	89.69	81.43	49.04	37.48	42.43	47.53	87.85	97.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	301.94	224.44	141.41	123.84	130.71	115.84	114.41	165.44	145.31	183.26	301.37	304.75
USGS 07380335 - Little Lake Near Cutoff	385.34	233.26	159.53	136.36	148.80	117.95	148.40	229.19	202.42	270.58	385.45	376.96
USGS073802516 Barataria Pass at Grand Isle	350.72	261.94	175.00	168.25	187.17	163.84	175.49	246.05	179.85	230.70	321.27	347.46
HWQ14 - Lake Washington	169.57	174.40	120.63	124.40	143.23	123.68	83.12	95.01	81.98	83.22	146.29	175.04
HWQ16 - Bayou Grand Liard	553.01	318.11	294.38	261.50	261.87	236.20	358.11	428.52	408.34	505.41	562.14	538.47
CRMS 3985	56.13	77.96	75.84	80.97	83.59	75.23	37.65	25.86	27.60	30.93	47.52	55.18
CRMS 0258	273.87	132.24	75.62	55.76	62.80	40.56	71.65	98.20	136.97	214.32	332.73	333.23
CRMS 0224	307.36	182.71	114.11	87.40	97.00	75.82	100.50	147.09	166.51	216.68	335.34	351.47
CRMS 0163	43.35	11.86	14.46	25.48	15.94	15.43	23.95	38.32	45.73	96.80	93.75	69.20
CRMS 0162	117.32	82.92	150.68	167.70	191.53	79.71	16.96	84.57	283.16	348.25	409.10	283.22

V3PR8 HYST - cy 4 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.66	10.97	12.39	11.78	12.05	12.47	13.19	14.83	17.65	18.72	23.53	19.21
CRMS0276 - Just east of Wilkinson Canal	201.68	73.84	56.75	52.42	66.77	39.45	41.85	113.67	214.22	314.13	389.73	350.79
Barataria Waterway at Lafitte (USACE82875)	106.95	21.46	19.45	19.90	34.61	16.70	33.92	52.36	42.52	104.01	144.77	94.07
USGS2928590900040000 Barataria Waterway South of Lafitte	13.71	10.97	12.36	11.71	12.03	12.37	13.02	15.71	58.08	86.50	144.64	132.54
USGS7380251 Barataria Bay North of Grand Isle	16.54	11.33	12.34	11.54	11.96	11.97	12.45	14.32	21.45	30.00	53.73	45.73
USGS73802515 Hackberry Bay Northwest of Grand Isle	24.65	11.42	12.60	11.82	12.45	12.26	12.85	42.86	110.57	145.03	250.91	211.06
USGS 07380335 - Little Lake Near Cutoff	70.84	17.29	14.53	13.45	15.28	13.09	14.66	83.03	173.89	245.46	351.64	317.97
USGS073802516 Barataria Pass at Grand Isle	63.13	18.09	14.92	14.43	19.31	15.39	16.66	91.23	154.57	215.76	293.28	278.32
HWQ14 - Lake Washington	30.26	13.83	12.30	12.05	15.29	11.44	10.96	22.47	59.43	69.47	112.20	99.64
HWQ16 - Bayou Grand Liard	364.78	113.43	118.88	91.05	114.90	125.35	227.73	362.90	395.95	494.13	547.42	508.55
CRMS 3985	21.22	13.14	12.38	11.51	12.02	11.31	11.63	12.54	16.46	22.90	35.29	33.39
CRMS 0258	46.88	17.95	14.57	14.69	17.49	12.86	12.63	32.17	125.54	207.10	334.49	308.41
CRMS 0224	36.86	14.48	13.22	13.18	15.99	12.71	12.87	42.33	137.29	199.91	327.60	307.11
CRMS 0163	59.27	14.56	17.19	36.96	22.28	18.79	26.86	41.45	43.15	94.93	99.47	64.14
CRMS 0162	126.42	90.04	166.44	170.59	193.96	77.32	16.07	83.25	272.03	346.92	432.03	278.78

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-129.28	-148.03	-90.09	-70.07	-72.28	-60.62	-47.81	-40.31	-76.84	-76.01	-123.50	-159.13
CRMS0276 - Just east of Wilkinson Canal	-125.75	-11.35	-27.63	-9.90	-8.14	-21.04	-81.74	-75.73	2.39	-0.83	9.64	-3.29
Barataria Waterway at Lafitte (USACE82875)	4.36	7.09	3.94	4.36	9.09	3.68	12.18	15.92	4.72	10.06	-26.15	2.26
USGS2928590900040000 Barataria Waterway South of Lafitte	-176.52	-166.56	-91.43	-61.61	-66.75	-50.28	-58.35	-56.63	-74.88	-50.89	-66.08	-115.11
USGS7380251 Barataria Bay North of Grand Isle	-78.63	-104.92	-78.04	-76.36	-77.73	-69.46	-36.59	-23.16	-20.98	-17.53	-34.12	-51.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	-277.29	-213.02	-128.81	-112.01	-118.26	-103.58	-101.56	-122.58	-34.74	-38.23	-50.46	-93.69
USGS 07380335 - Little Lake Near Cutoff	-314.50	-215.96	-145.00	-122.91	-133.52	-104.86	-133.74	-146.15	-28.53	-25.12	-33.82	-58.99
USGS073802516 Barataria Pass at Grand Isle	-287.58	-243.85	-160.08	-153.82	-167.86	-148.45	-158.83	-154.83	-25.28	-14.95	-27.99	-69.14
HWQ14 - Lake Washington	-139.30	-160.56	-108.33	-112.35	-127.94	-112.24	-72.16	-72.54	-22.56	-13.75	-34.09	-75.39
HWQ16 - Bayou Grand Liard	-188.23	-204.69	-175.50	-170.44	-146.97	-110.84	-130.38	-65.62	-12.38	-11.28	-14.73	-29.93
CRMS 3985	-34.91	-64.82	-63.46	-69.46	-71.57	-63.92	-26.02	-13.32	-11.14	-8.03	-12.23	-21.79
CRMS 0258	-226.99	-114.29	-61.06	-41.07	-45.31	-27.70	-59.02	-66.02	-11.44	-7.22	1.76	-24.82
CRMS 0224	-270.51	-168.23	-100.89	-74.22	-81.02	-63.11	-87.63	-104.77	-29.22	-16.77	-7.75	-44.36
CRMS 0163	15.93	2.70	2.73	11.48	6.34	3.36	2.91	3.13	-2.57	-1.87	5.73	-5.06
CRMS 0162	9.10	7.11	15.76	2.88	2.43	-2.39	-0.89	-1.32	-11.12	-1.33	22.94	-4.44

Figure WQ SO4 194 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	118.89	178.72	137.97	84.95	67.07	55.45	62.93	77.81	121.39	108.10	161.62	173.30
CRMS0276 - Just east of Wilkinson Canal	261.71	319.84	158.93	54.72	34.85	27.28	100.48	217.97	240.63	353.13	401.95	177.43
Barataria Waterway at Lafitte (USACE82875)	116.66	99.44	24.30	12.60	13.16	11.58	19.45	47.13	45.33	115.66	176.81	28.14
USGS2928590900040000 Barataria Waterway South of Lafitte	144.92	231.65	188.53	72.40	54.49	44.42	66.73	96.01	164.84	151.37	231.52	231.06
USGS7380251 Barataria Bay North of Grand Isle	83.38	109.62	81.78	87.60	80.99	69.47	59.88	59.42	58.26	57.15	97.23	100.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	250.66	283.61	200.56	126.11	107.98	88.59	110.90	200.17	174.93	200.90	325.25	279.72
USGS 07380335 - Little Lake Near Cutoff	327.46	341.75	244.01	136.08	114.52	84.29	134.80	268.06	234.49	291.70	411.46	318.73
USGS073802516 Barataria Pass at Grand Isle	297.19	331.18	227.43	166.89	151.40	122.58	164.96	284.41	211.83	250.74	343.48	312.80
HWQ14 - Lake Washington	145.04	173.45	117.42	125.02	127.50	102.05	91.37	127.24	104.35	97.56	161.23	179.79
HWQ16 - Bayou Grand Liard	519.46	504.37	367.99	245.16	185.10	170.55	333.25	475.08	442.39	529.47	579.95	424.13
CRMS 3985	50.99	64.97	51.74	74.47	76.86	67.59	55.61	44.67	37.97	37.88	52.99	58.99
CRMS 0258	181.95	288.07	212.02	49.54	35.63	27.12	57.31	117.50	164.80	230.20	366.57	240.05
CRMS 0224	234.40	305.27	235.79	82.80	63.78	53.27	89.19	175.92	196.26	233.71	365.46	293.87
CRMS 0163	86.84	89.53	17.32	13.00	12.46	12.15	21.27	50.54	56.07	128.19	87.44	16.65
CRMS 0162	241.36	380.75	161.60	147.20	92.49	40.14	15.57	107.67	344.41	455.16	385.52	84.64

V3PR8 HYST - cy 4 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.28	20.16	11.87	11.36	12.39	11.58	13.07	15.77	18.27	19.72	22.80	11.93
CRMS0276 - Just east of Wilkinson Canal	206.27	318.62	152.57	46.56	23.78	18.22	34.41	172.94	235.65	345.17	408.42	164.76
Barataria Waterway at Lafitte (USACE82875)	103.22	105.35	36.02	15.43	16.04	12.09	25.84	55.06	57.35	131.20	149.76	44.25
USGS2928590900040000 Barataria Waterway South of Lafitte	20.66	89.81	15.52	11.35	12.38	11.54	12.83	21.40	74.06	88.03	143.95	12.76
USGS7380251 Barataria Bay North of Grand Isle	16.09	44.17	15.47	11.43	12.34	11.41	12.13	16.47	24.81	28.77	50.61	15.39
USGS73802515 Hackberry Bay Northwest of Grand Isle	84.65	192.30	25.99	11.49	12.37	11.46	12.70	91.90	129.65	142.20	254.81	17.70
USGS 07380335 - Little Lake Near Cutoff	166.40	271.44	47.59	12.55	12.60	11.55	15.32	171.70	196.17	245.33	366.90	46.31
USGS073802516 Barataria Pass at Grand Isle	144.68	252.89	46.36	13.54	13.23	12.11	16.41	188.16	173.50	210.37	299.03	51.20
HWQ14 - Lake Washington	31.89	92.13	26.03	12.29	12.57	11.27	10.65	45.01	65.68	62.08	111.29	35.56
HWQ16 - Bayou Grand Liard	432.22	469.33	185.20	74.77	57.16	70.22	203.08	442.21	417.88	506.19	557.06	242.50
CRMS 3985	15.65	28.29	17.47	11.84	12.21	11.34	11.26	13.04	18.56	22.50	32.82	21.79
CRMS 0258	73.52	234.95	56.16	13.39	13.00	11.48	12.35	58.58	154.04	210.95	359.54	64.81
CRMS 0224	98.55	235.80	42.83	12.32	12.70	11.47	12.68	92.47	163.06	200.05	345.62	46.53
CRMS 0163	80.97	84.71	19.15	16.51	13.14	13.13	23.41	47.79	54.69	125.50	90.41	21.50
CRMS 0162	240.60	365.16	177.82	154.71	87.75	35.26	15.39	107.38	333.95	446.01	398.59	93.76

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-102.61	-158.56	-126.10	-73.60	-54.68	-43.87	-49.86	-62.04	-103.12	-88.39	-138.82	-161.37
CRMS0276 - Just east of Wilkinson Canal	-55.44	-1.22	-6.36	-8.17	-11.08	-9.06	-66.06	-45.03	-4.98	-7.97	6.47	-12.67
Barataria Waterway at Lafitte (USACE82875)	-13.44	5.91	11.72	2.83	2.88	0.51	6.39	7.93	12.03	15.54	-27.05	16.11
USGS2928590900040000 Barataria Waterway South of Lafitte	-124.26	-141.84	-173.00	-61.05	-42.12	-32.88	-53.89	-74.60	-90.79	-63.33	-87.58	-218.29
USGS7380251 Barataria Bay North of Grand Isle	-67.29	-65.45	-66.30	-76.17	-68.65	-58.05	-47.75	-42.96	-33.45	-28.38	-46.62	-85.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	-166.01	-91.31	-174.57	-114.62	-95.61	-77.13	-98.20	-108.27	-45.27	-58.70	-70.44	-262.01
USGS 07380335 - Little Lake Near Cutoff	-161.06	-70.31	-196.42	-123.53	-101.92	-72.75	-119.48	-96.35	-38.32	-46.37	-44.56	-272.41
USGS073802516 Barataria Pass at Grand Isle	-152.51	-78.29	-181.07	-153.35	-138.17	-110.47	-148.55	-96.25	-38.33	-40.37	-44.45	-261.60
HWQ14 - Lake Washington	-113.15	-81.31	-91.39	-112.73	-114.94	-90.78	-80.71	-82.23	-38.67	-35.48	-49.95	-144.24
HWQ16 - Bayou Grand Liard	-87.24	-35.03	-182.79	-170.39	-127.94	-100.33	-130.17	-32.86	-24.51	-23.28	-22.89	-181.63
CRMS 3985	-35.34	-36.68	-34.27	-62.63	-64.65	-56.25	-44.35	-31.63	-19.40	-15.38	-20.17	-37.20
CRMS 0258	-108.44	-53.12	-155.86	-36.15	-22.63	-15.63	-44.96	-58.93	-10.76	-19.24	-7.03	-175.24
CRMS 0224	-135.85	-69.47	-192.96	-70.47	-51.08	-41.80	-76.50	-83.45	-33.20	-33.66	-19.83	-247.34
CRMS 0163	-5.87	-4.82	1.82	3.51	0.67	0.98	2.14	-2.75	-1.37	-2.69	2.96	4.86
CRMS 0162	-0.76	-15.59	16.22	7.51	-4.74	-4.88	-0.18	-0.29	-10.46	-9.15	13.08	9.12

Figure WQ SO4 195 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 4 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.83	177.39	118.39	71.10	54.81	51.78	61.46	74.68	106.15	82.29	133.19	172.81
CRMS0276 - Just east of Wilkinson Canal	360.87	199.35	74.98	35.22	29.54	43.02	88.86	201.52	199.72	238.73	380.20	396.54
Barataria Waterway at Lafitte (USACE82875)	146.68	41.69	12.96	12.09	11.51	11.72	15.92	39.12	29.22	67.94	175.33	118.58
USGS2928590900040000 Barataria Waterway South of Lafitte	194.17	215.12	137.66	58.66	42.80	42.86	66.14	91.51	140.28	108.04	191.05	241.46
USGS7380251 Barataria Bay North of Grand Isle	95.31	115.76	84.53	80.45	72.05	63.34	57.00	57.40	53.05	47.47	80.76	93.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	320.95	267.95	161.26	107.07	91.12	86.52	110.73	186.52	152.42	154.30	280.16	305.73
USGS 07380335 - Little Lake Near Cutoff	415.05	305.80	179.15	111.73	97.95	87.22	131.01	247.96	201.96	225.45	366.82	387.65
USGS073802516 Barataria Pass at Grand Isle	371.67	313.93	189.20	143.35	131.03	127.49	163.59	267.73	189.11	199.04	301.16	350.92
HWQ14 - Lake Washington	174.93	180.99	118.83	113.67	110.09	96.92	92.01	121.83	95.76	80.28	132.02	169.26
HWQ16 - Bayou Grand Liard	592.62	429.02	288.73	204.27	175.48	203.11	313.61	456.42	400.13	448.28	555.19	560.62
CRMS 3985	55.04	71.86	61.13	74.29	71.52	61.42	51.80	43.02	35.89	33.08	44.82	53.00
CRMS 0258	281.76	211.13	106.37	37.93	27.42	29.41	59.55	109.89	130.94	148.53	314.42	351.85
CRMS 0224	324.82	257.07	148.13	65.79	51.92	54.78	89.85	163.63	166.35	167.15	312.97	357.66
CRMS 0163	82.19	33.90	11.93	12.07	11.35	12.89	16.39	45.78	41.06	76.44	104.58	75.81
CRMS 0162	160.09	160.14	118.42	93.78	96.92	64.39	14.36	94.97	228.55	238.43	429.28	332.77

V3PR9 HYST - cy 4 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	143.36	182.46	122.29	78.59	59.41	54.94	62.85	75.66	111.82	88.37	136.67	173.67
CRMS0276 - Just east of Wilkinson Canal	397.68	232.93	98.60	43.10	35.71	53.30	103.31	217.73	222.41	279.73	411.23	431.16
Barataria Waterway at Lafitte (USACE82875)	171.41	57.06	15.60	12.36	11.91	12.23	19.80	60.48	48.24	96.41	166.38	149.88
USGS2928590900040000 Barataria Waterway South of Lafitte	197.43	229.19	150.08	67.41	47.50	46.75	68.53	94.23	155.23	120.50	200.65	245.94
USGS7380251 Barataria Bay North of Grand Isle	94.64	117.40	83.43	84.10	74.76	64.91	57.87	57.60	54.19	49.35	83.62	94.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	332.93	285.94	172.90	115.58	95.61	90.14	116.72	193.54	163.92	166.96	296.55	317.55
USGS 07380335 - Little Lake Near Cutoff	433.19	327.85	197.46	121.75	103.93	92.87	140.43	260.32	219.09	247.55	387.51	404.52
USGS073802516 Barataria Pass at Grand Isle	382.50	327.56	198.55	151.49	136.22	132.99	170.89	274.73	199.08	212.47	315.87	363.52
HWQ14 - Lake Washington	170.75	180.16	114.80	115.03	110.10	95.91	90.74	118.32	94.77	81.68	135.74	166.48
HWQ16 - Bayou Grand Liard	610.09	445.22	308.59	218.55	183.26	217.72	330.87	468.40	416.83	471.61	567.53	573.79
CRMS 3985	52.62	69.99	57.42	74.69	72.97	62.56	52.17	42.60	35.65	33.50	45.16	51.22
CRMS 0258	298.19	242.02	130.54	45.97	31.44	33.93	64.23	117.47	149.29	171.59	342.85	369.88
CRMS 0224	339.17	284.39	171.36	76.48	57.72	60.05	96.30	173.45	186.11	188.98	336.07	372.65
CRMS 0163	98.57	35.65	12.32	12.16	11.44	12.79	18.21	46.99	41.46	89.15	108.55	81.11
CRMS 0162	162.24	159.76	122.68	89.45	96.83	63.21	14.44	94.11	232.67	272.92	418.96	333.68

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.47	5.07	3.89	7.49	4.59	3.16	1.38	0.98	5.67	6.08	3.48	0.86
CRMS0276 - Just east of Wilkinson Canal	36.81	33.58	23.62	7.89	6.16	10.28	14.44	16.20	22.69	41.00	31.04	34.62
Barataria Waterway at Lafitte (USACE82875)	24.73	15.37	2.64	0.27	0.40	0.51	3.88	21.37	19.02	28.48	-8.95	31.30
USGS2928590900040000 Barataria Waterway South of Lafitte	3.26	14.07	12.41	8.75	4.70	3.89	2.39	2.71	14.96	12.46	9.60	4.48
USGS7380251 Barataria Bay North of Grand Isle	-0.67	1.64	-1.10	3.66	2.70	1.57	0.87	0.20	1.14	1.88	2.86	0.66
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.98	17.99	11.64	8.50	4.49	3.62	6.00	7.01	11.50	12.66	16.39	11.83
USGS 07380335 - Little Lake Near Cutoff	18.15	22.05	18.30	10.03	5.98	5.64	9.42	12.35	17.13	22.11	20.69	16.87
USGS073802516 Barataria Pass at Grand Isle	10.83	13.64	9.35	8.13	5.20	5.50	7.30	7.00	9.97	13.44	14.70	12.59
HWQ14 - Lake Washington	-4.18	-0.83	-4.02	1.37	0.01	-1.01	-1.27	-3.51	-0.99	1.40	3.72	-2.78
HWQ16 - Bayou Grand Liard	17.47	16.21	19.87	14.29	7.79	14.61	17.26	11.98	16.70	23.33	12.34	13.16
CRMS 3985	-2.42	-1.88	-3.71	0.41	1.44	1.14	0.37	-0.42	-0.24	0.42	0.34	-1.78
CRMS 0258	16.43	30.89	24.17	8.05	4.02	4.52	4.69	7.58	18.35	23.07	28.43	18.03
CRMS 0224	14.35	27.33	23.22	10.70	5.80	5.26	6.45	9.81	19.75	21.83	23.10	14.99
CRMS 0163	16.38	1.75	0.39	0.09	0.08	-0.10	1.82	1.21	0.40	12.71	3.97	5.30
CRMS 0162	2.15	-0.38	4.26	-4.33	-0.09	-1.18	0.08	-0.86	4.11	34.49	-10.32	0.91

Figure WQ SO4 196 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.18	159.96	106.63	67.05	59.62	54.98	73.61	90.68	158.66	136.67	178.55	181.08
CRMS0276 - Just east of Wilkinson Canal	300.36	118.77	57.78	45.40	33.33	101.64	239.73	333.66	321.97	409.08	388.85	263.21
Barataria Waterway at Lafitte (USACE82875)	118.45	18.93	11.70	11.90	11.33	23.11	60.61	98.76	77.24	163.08	160.78	53.56
USGS2928590900040000 Barataria Waterway South of Lafitte	167.46	184.38	110.74	56.68	47.71	46.58	83.34	119.71	228.82	199.87	252.58	241.88
USGS7380251 Barataria Bay North of Grand Isle	91.36	113.78	89.78	78.27	75.34	66.42	61.19	55.88	66.07	67.65	108.18	105.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	282.92	236.25	140.92	104.78	97.43	95.99	166.90	269.36	231.40	249.77	345.52	293.65
USGS 07380335 - Little Lake Near Cutoff	364.01	255.89	150.86	114.63	104.96	107.13	238.79	371.50	306.81	349.63	425.31	347.75
USGS073802516 Barataria Pass at Grand Isle	332.26	277.63	170.86	142.92	139.02	152.45	261.34	373.97	269.67	297.13	361.62	333.02
HWQ14 - Lake Washington	161.99	174.24	121.50	109.60	115.76	100.67	108.82	148.94	127.20	118.77	179.85	184.73
HWQ16 - Bayou Grand Liard	549.68	354.35	256.56	223.89	184.70	280.39	505.28	585.07	508.19	569.55	576.38	484.93
CRMS 3985	55.72	74.72	72.96	75.10	73.78	64.12	51.47	34.51	38.74	42.13	58.92	62.57
CRMS 0258	225.81	155.31	76.00	41.91	30.98	39.00	100.91	178.85	245.83	305.88	378.78	264.73
CRMS 0224	274.09	205.11	114.00	68.98	57.45	65.77	145.08	246.93	276.95	299.52	384.19	313.69
CRMS 0163	68.96	14.73	11.26	11.67	11.21	39.56	65.42	96.29	98.48	183.18	71.33	31.90
CRMS 0162	163.78	107.20	98.07	123.53	107.49	125.86	41.82	247.16	488.48	546.24	365.78	156.87

V3PR9 HYST - cy 4 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	130.10	161.81	107.32	72.23	64.46	57.61	72.99	87.34	156.86	140.01	179.51	182.24
CRMS0276 - Just east of Wilkinson Canal	334.62	147.89	73.20	57.64	40.41	114.78	253.25	352.79	353.29	437.59	422.13	294.68
Barataria Waterway at Lafitte (USACE82875)	141.31	26.87	12.89	13.03	11.80	32.37	95.50	160.62	124.08	203.87	156.57	68.78
USGS2928590900040000 Barataria Waterway South of Lafitte	171.31	197.11	119.83	64.13	53.38	50.28	83.78	117.22	238.69	212.50	260.04	249.20
USGS7380251 Barataria Bay North of Grand Isle	90.29	109.22	82.59	78.12	76.48	66.93	60.31	54.65	64.20	67.13	108.81	105.84
USGS73802515 Hackberry Bay Northwest of Grand Isle	293.69	249.31	147.63	112.03	102.41	99.69	167.11	266.67	240.28	258.41	357.13	306.13
USGS 07380335 - Little Lake Near Cutoff	380.86	274.89	163.40	124.58	112.43	113.90	241.26	376.49	322.87	364.55	442.66	364.47
USGS073802516 Barataria Pass at Grand Isle	341.37	288.27	175.58	150.58	146.14	158.17	259.21	373.12	275.66	305.55	370.73	343.79
HWQ14 - Lake Washington	157.17	166.96	111.71	107.47	114.91	99.98	100.60	133.40	119.52	115.25	177.03	180.53
HWQ16 - Bayou Grand Liard	567.42	376.92	273.49	239.36	195.99	290.65	510.70	596.09	521.50	574.56	585.33	498.13
CRMS 3985	53.03	67.37	61.99	71.30	72.68	63.84	50.35	33.10	36.61	40.20	56.93	60.48
CRMS 0258	241.49	183.00	92.28	51.09	36.69	43.65	104.48	182.71	281.61	333.97	405.68	287.44
CRMS 0224	288.12	230.60	130.49	79.97	64.91	71.03	148.31	249.66	302.90	321.02	403.67	334.20
CRMS 0163	84.21	16.16	11.57	11.95	11.26	42.80	69.11	106.24	105.35	197.85	84.38	35.25
CRMS 0162	167.07	107.72	97.39	124.76	111.82	132.68	48.90	250.51	488.95	553.05	359.15	162.16

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-0.08	1.85	0.69	5.18	4.83	2.63	-0.62	-3.34	-1.80	3.34	0.97	1.16
CRMS0276 - Just east of Wilkinson Canal	34.26	29.12	15.41	12.24	7.08	13.14	13.53	19.14	31.31	28.50	33.28	31.47
Barataria Waterway at Lafitte (USACE82875)	22.87	7.93	1.18	1.13	0.46	9.26	34.89	61.86	46.84	40.79	-4.20	15.22
USGS2928590900040000 Barataria Waterway South of Lafitte	3.85	12.74	9.09	7.45	5.67	3.70	0.43	-2.49	9.88	12.63	7.46	7.33
USGS7380251 Barataria Bay North of Grand Isle	-1.07	-4.56	-7.19	-0.16	1.14	0.52	-0.88	-1.22	-1.88	-0.52	0.63	0.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	10.77	13.06	6.70	7.25	4.99	3.70	0.22	-2.69	8.88	8.65	11.61	12.48
USGS 07380335 - Little Lake Near Cutoff	16.85	19.00	12.54	9.95	7.48	6.78	2.47	4.99	16.06	14.92	17.34	16.72
USGS073802516 Barataria Pass at Grand Isle	9.10	10.64	4.71	7.66	7.13	5.72	-2.13	-0.85	5.99	8.42	9.11	10.77
HWQ14 - Lake Washington	-4.82	-7.28	-9.79	-2.13	-0.85	-0.69	-8.21	-15.54	-7.68	-3.53	-2.82	-4.21
HWQ16 - Bayou Grand Liard	17.74	22.56	16.92	15.47	11.29	10.26	5.42	11.02	13.31	5.02	8.95	13.20
CRMS 3985	-2.69	-7.36	-10.97	-3.81	-1.10	-0.29	-1.12	-1.42	-2.12	-1.93	-1.98	-2.09
CRMS 0258	15.68	27.69	16.28	9.18	5.71	4.65	3.57	3.87	35.78	28.09	26.89	22.71
CRMS 0224	14.03	25.48	16.49	11.00	7.47	5.26	3.23	2.73	25.94	21.50	19.47	20.51
CRMS 0163	15.25	1.43	0.30	0.27	0.05	3.25	3.69	9.95	6.87	14.66	13.04	3.35
CRMS 0162	3.29	0.53	-0.68	1.23	4.34	6.81	7.08	3.36	0.46	6.81	-6.63	5.29

Figure WQ SO4 197 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	136.63	187.23	130.34	120.62	133.05	116.24	92.08	101.37	190.71	175.76	176.74	162.60
CRMS0276 - Just east of Wilkinson Canal	396.93	203.16	218.99	155.43	155.32	227.52	328.99	439.61	444.33	413.36	319.53	274.96
Barataria Waterway at Lafitte (USACE82875)	202.17	45.12	42.86	40.82	49.68	43.44	122.72	188.59	328.68	110.19	113.62	66.16
USGS2928590900040000 Barataria Waterway South of Lafitte	178.90	230.21	168.89	121.99	135.97	120.28	112.69	137.65	292.34	262.19	242.08	210.54
USGS7380251 Barataria Bay North of Grand Isle	91.94	121.87	79.57	96.74	112.56	102.64	62.30	58.80	74.79	83.54	112.20	99.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	315.03	283.93	188.41	170.61	182.36	172.95	199.93	328.40	296.08	305.95	333.44	268.16
USGS 07380335 - Little Lake Near Cutoff	421.27	316.87	240.97	203.93	214.27	199.46	299.21	458.58	394.22	404.41	400.12	327.16
USGS073802516 Barataria Pass at Grand Isle	369.57	328.59	221.52	224.25	252.02	256.80	310.88	446.45	336.36	349.37	352.25	314.49
HWQ14 - Lake Washington	167.54	193.96	111.59	139.20	177.20	159.94	117.45	171.11	148.84	149.13	185.06	170.12
HWQ16 - Bayou Grand Liard	619.06	441.41	420.03	365.50	356.78	403.00	584.65	669.16	591.05	586.81	537.78	487.96
CRMS 3985	54.39	74.70	51.58	71.52	92.38	88.79	44.20	33.97	42.08	49.04	64.04	61.31
CRMS 0258	273.72	222.08	203.42	115.01	122.89	136.39	155.98	219.71	362.77	369.01	319.87	242.70
CRMS 0224	311.80	270.93	216.94	150.19	161.97	154.84	189.82	303.81	374.47	368.32	356.23	284.72
CRMS 0163	132.52	39.70	32.56	64.35	34.26	71.47	130.71	187.53	353.62	112.22	48.10	50.64
CRMS 0162	296.62	191.76	290.78	310.59	273.80	268.39	277.38	452.67	654.36	453.96	272.12	167.76

V3PR9 HYST - cy 4 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	133.47	188.45	132.30	128.65	135.65	116.46	85.14	94.15	187.52	170.48	175.93	161.62
CRMS0276 - Just east of Wilkinson Canal	416.04	239.53	247.54	173.59	179.40	244.56	340.62	453.27	464.65	440.81	351.16	298.29
Barataria Waterway at Lafitte (USACE82875)	216.91	62.31	57.29	47.09	54.27	64.12	188.41	293.46	338.45	146.61	112.38	80.66
USGS2928590900040000 Barataria Waterway South of Lafitte	177.99	240.01	178.42	135.79	147.98	126.89	107.05	130.32	297.27	262.58	247.12	215.38
USGS7380251 Barataria Bay North of Grand Isle	88.98	120.77	78.31	97.29	102.15	94.35	56.71	54.01	72.03	79.52	111.03	97.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	315.07	298.69	198.45	177.08	178.95	171.95	194.22	321.39	295.88	309.37	342.39	276.35
USGS 07380335 - Little Lake Near Cutoff	423.64	337.31	257.16	213.83	214.56	202.65	297.93	456.99	395.42	414.56	414.51	339.76
USGS073802516 Barataria Pass at Grand Isle	365.90	340.28	227.92	227.56	246.44	254.66	301.94	440.42	334.15	350.85	359.51	320.87
HWQ14 - Lake Washington	157.11	188.55	106.25	132.05	155.75	144.09	100.41	148.55	139.77	141.04	179.27	163.20
HWQ16 - Bayou Grand Liard	622.13	461.80	431.04	375.57	365.25	412.50	588.22	671.27	590.95	590.27	546.72	494.91
CRMS 3985	51.20	71.10	49.27	68.41	78.29	79.28	40.13	30.98	39.09	45.27	60.34	57.96
CRMS 0258	278.89	251.45	229.68	130.56	141.37	146.34	156.23	217.23	393.54	389.38	343.42	261.90
CRMS 0224	314.72	296.28	236.76	165.78	176.59	162.15	188.78	300.96	389.62	380.42	373.53	301.29
CRMS 0163	143.73	45.84	32.88	58.10	37.08	71.77	138.86	197.89	351.54	117.57	58.43	52.75
CRMS 0162	299.09	196.66	289.82	282.62	269.54	282.66	280.23	440.98	654.29	449.72	267.30	169.39

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-3.17	1.22	1.96	8.03	2.60	0.22	-6.93	-7.21	-3.18	-5.28	-0.81	-0.97
CRMS0276 - Just east of Wilkinson Canal	19.11	36.36	28.55	18.16	24.08	17.04	11.63	13.67	20.32	27.45	31.63	23.33
Barataria Waterway at Lafitte (USACE82875)	14.73	17.18	14.42	6.27	4.59	20.69	65.70	104.87	9.77	36.42	-1.24	14.49
USGS2928590900040000 Barataria Waterway South of Lafitte	-0.90	9.80	9.53	13.79	12.01	6.61	-5.64	-7.32	4.93	0.39	5.04	4.84
USGS7380251 Barataria Bay North of Grand Isle	-2.95	-1.09	-1.27	0.55	-10.41	-8.29	-5.59	-4.79	-2.76	-4.02	-1.16	-2.04
USGS73802515 Hackberry Bay Northwest of Grand Isle	0.04	14.76	10.05	6.47	-3.41	-1.00	-5.71	-7.02	-0.20	3.42	8.95	8.19
USGS 07380335 - Little Lake Near Cutoff	2.37	20.45	16.19	9.89	0.29	3.19	-1.28	-1.59	1.20	10.14	14.40	12.61
USGS073802516 Barataria Pass at Grand Isle	-3.67	11.69	6.40	3.30	-5.58	-2.14	-8.94	-6.03	-2.21	1.48	7.26	6.38
HWQ14 - Lake Washington	-10.43	-5.41	-5.34	-7.16	-21.45	-15.85	-17.05	-22.56	-9.06	-8.09	-5.79	-6.91
HWQ16 - Bayou Grand Liard	3.07	20.39	11.00	10.06	8.47	9.50	3.57	2.11	-0.10	3.46	8.94	6.95
CRMS 3985	-3.19	-3.60	-2.31	-3.11	-14.09	-9.51	-4.07	-2.99	-2.99	-3.77	-3.69	-3.34
CRMS 0258	5.16	29.37	26.26	15.55	18.47	9.96	0.25	-2.47	30.76	20.37	23.55	19.20
CRMS 0224	2.92	25.35	19.82	15.60	14.62	7.31	-1.04	-2.85	15.15	12.10	17.30	16.56
CRMS 0163	11.21	6.14	0.33	-6.26	2.83	0.30	8.16	10.36	-2.08	5.34	10.34	2.11
CRMS 0162	2.47	4.91	-0.96	-27.97	-4.26	14.27	2.84	-11.68	-0.07	-4.24	-4.82	1.63

Figure WQ SO4 198 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	141.94	159.01	102.48	81.85	84.33	73.08	61.00	55.14	94.49	94.73	147.03	178.34
CRMS0276 - Just east of Wilkinson Canal	327.44	85.19	84.38	62.32	74.91	60.49	123.59	189.41	211.83	314.97	380.09	354.08
Barataria Waterway at Lafitte (USACE82875)	102.59	14.36	15.51	15.54	25.52	13.02	21.75	36.44	37.80	93.95	170.93	91.81
USGS2928590900040000 Barataria Waterway South of Lafitte	190.23	177.53	103.79	73.32	78.79	62.66	71.37	72.34	132.97	137.39	210.72	247.65
USGS7380251 Barataria Bay North of Grand Isle	95.16	116.25	90.38	87.90	89.69	81.43	49.04	37.48	42.43	47.53	87.85	97.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	301.94	224.44	141.41	123.84	130.71	115.84	114.41	165.44	145.31	183.26	301.37	304.75
USGS 07380335 - Little Lake Near Cutoff	385.34	233.26	159.53	136.36	148.80	117.95	148.40	229.19	202.42	270.58	385.45	376.96
USGS073802516 Barataria Pass at Grand Isle	350.72	261.94	175.00	168.25	187.17	163.84	175.49	246.05	179.85	230.70	321.27	347.46
HWQ14 - Lake Washington	169.57	174.40	120.63	124.40	143.23	123.68	83.12	95.01	81.98	83.22	146.29	175.04
HWQ16 - Bayou Grand Liard	553.01	318.11	294.38	261.50	261.87	236.20	358.11	428.52	408.34	505.41	562.14	538.47
CRMS 3985	56.13	77.96	75.84	80.97	83.59	75.23	37.65	25.86	27.60	30.93	47.52	55.18
CRMS 0258	273.87	132.24	75.62	55.76	62.80	40.56	71.65	98.20	136.97	214.32	332.73	333.23
CRMS 0224	307.36	182.71	114.11	87.40	97.00	75.82	100.50	147.09	166.51	216.68	335.34	351.47
CRMS 0163	43.35	11.86	14.46	25.48	15.94	15.43	23.95	38.32	45.73	96.80	93.75	69.20
CRMS 0162	117.32	82.92	150.68	167.70	191.53	79.71	16.96	84.57	283.16	348.25	409.10	283.22

V3PR9 HYST - cy 4 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	142.09	165.39	109.47	90.63	94.15	79.69	61.93	55.94	99.89	98.70	146.51	176.04
CRMS0276 - Just east of Wilkinson Canal	362.94	104.83	101.07	75.44	91.10	72.33	145.70	216.97	238.33	332.84	410.07	384.39
Barataria Waterway at Lafitte (USACE82875)	125.12	18.71	18.12	17.38	29.66	15.11	31.70	59.89	59.44	116.16	164.28	114.86
USGS2928590900040000 Barataria Waterway South of Lafitte	193.85	192.55	115.31	84.36	92.17	70.03	73.49	74.65	147.35	147.38	214.70	249.27
USGS7380251 Barataria Bay North of Grand Isle	94.93	117.46	92.49	92.27	93.82	84.72	49.64	37.89	43.64	48.55	88.32	96.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	314.76	242.75	152.87	132.80	138.38	122.56	119.14	173.73	157.29	188.81	311.15	314.08
USGS 07380335 - Little Lake Near Cutoff	403.74	254.73	173.30	146.83	158.96	126.14	157.45	247.21	221.58	280.06	399.82	391.85
USGS073802516 Barataria Pass at Grand Isle	360.96	276.52	184.37	174.70	195.54	171.43	181.17	258.55	192.23	235.06	330.14	358.00
HWQ14 - Lake Washington	166.73	175.54	121.53	124.01	141.19	123.65	79.63	90.23	81.45	83.12	144.91	169.90
HWQ16 - Bayou Grand Liard	570.90	334.57	307.38	273.32	275.17	248.52	378.39	457.91	431.55	508.59	572.48	549.30
CRMS 3985	53.65	75.42	74.69	82.42	85.65	77.36	37.79	25.43	27.25	30.72	46.30	52.95
CRMS 0258	288.76	156.91	89.40	66.86	78.06	46.44	76.49	105.73	159.14	230.66	353.29	353.23
CRMS 0224	321.49	207.88	129.85	100.51	113.03	83.35	106.78	158.13	188.38	230.74	350.48	366.59
CRMS 0163	58.34	12.43	15.33	27.84	19.23	16.68	26.31	43.25	47.65	100.94	108.30	73.81
CRMS 0162	115.97	82.61	148.83	159.64	194.82	76.59	16.57	84.58	283.11	359.73	409.52	302.45

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	0.15	6.39	6.99	8.78	9.82	6.61	0.93	0.81	5.40	3.97	-0.52	-2.30
CRMS0276 - Just east of Wilkinson Canal	35.51	19.64	16.69	13.13	16.19	11.84	22.11	27.57	26.50	17.88	29.98	30.31
Barataria Waterway at Lafitte (USACE82875)	22.53	4.35	2.61	1.84	4.14	2.09	9.96	23.45	21.64	22.21	-6.65	23.05
USGS2928590900040000 Barataria Waterway South of Lafitte	3.62	15.02	11.52	11.04	13.38	7.37	2.13	2.30	14.38	9.99	3.98	1.61
USGS7380251 Barataria Bay North of Grand Isle	-0.23	1.21	2.12	4.37	4.13	3.30	0.60	0.41	1.21	1.02	0.46	-0.99
USGS73802515 Hackberry Bay Northwest of Grand Isle	12.82	18.31	11.46	8.97	7.67	6.72	4.73	8.29	11.98	5.56	9.78	9.33
USGS 07380335 - Little Lake Near Cutoff	18.40	21.47	13.76	10.47	10.16	8.19	9.05	18.03	19.16	9.48	14.37	14.88
USGS073802516 Barataria Pass at Grand Isle	10.24	14.58	9.37	6.45	8.37	7.59	5.68	12.50	12.38	4.36	8.87	10.54
HWQ14 - Lake Washington	-2.83	1.15	0.90	-0.40	-2.04	-0.03	-3.49	-4.78	-0.54	-0.10	-1.38	-5.14
HWQ16 - Bayou Grand Liard	17.89	16.45	13.00	11.82	13.30	12.32	20.28	29.40	23.21	3.18	10.34	10.83
CRMS 3985	-2.49	-2.54	-1.15	1.45	2.05	2.13	0.14	-0.44	-0.35	-0.21	-1.22	-2.23
CRMS 0258	14.89	24.66	13.77	11.10	15.26	5.87	4.84	7.53	22.17	16.34	20.56	19.99
CRMS 0224	14.13	25.17	15.74	13.11	16.03	7.52	6.28	11.03	21.87	14.06	15.14	15.12
CRMS 0163	14.99	0.57	0.87	2.36	3.29	1.25	2.37	4.93	1.92	4.14	14.55	4.61
CRMS 0162	-1.35	-0.32	-1.85	-8.06	3.29	-3.11	-0.39	0.01	-0.05	11.48	0.42	19.23

Figure WQ SO4 199 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 4 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	118.89	178.72	137.97	84.95	67.07	55.45	62.93	77.81	121.39	108.10	161.62	173.30
CRMS0276 - Just east of Wilkinson Canal	261.71	319.84	158.93	54.72	34.85	27.28	100.48	217.97	240.63	353.13	401.95	177.43
Barataria Waterway at Lafitte (USACE82875)	116.66	99.44	24.30	12.60	13.16	11.58	19.45	47.13	45.33	115.66	176.81	28.14
USGS2928590900040000 Barataria Waterway South of Lafitte	144.92	231.65	188.53	72.40	54.49	44.42	66.73	96.01	164.84	151.37	231.52	231.06
USGS7380251 Barataria Bay North of Grand Isle	83.38	109.62	81.78	87.60	80.99	69.47	59.88	59.42	58.26	57.15	97.23	100.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	250.66	283.61	200.56	126.11	107.98	88.59	110.90	200.17	174.93	200.90	325.25	279.72
USGS 07380335 - Little Lake Near Cutoff	327.46	341.75	244.01	136.08	114.52	84.29	134.80	268.06	234.49	291.70	411.46	318.73
USGS073802516 Barataria Pass at Grand Isle	297.19	331.18	227.43	166.89	151.40	122.58	164.96	284.41	211.83	250.74	343.48	312.80
HWQ14 - Lake Washington	145.04	173.45	117.42	125.02	127.50	102.05	91.37	127.24	104.35	97.56	161.23	179.79
HWQ16 - Bayou Grand Liard	519.46	504.37	367.99	245.16	185.10	170.55	333.25	475.08	442.39	529.47	579.95	424.13
CRMS 3985	50.99	64.97	51.74	74.47	76.86	67.59	55.61	44.67	37.97	37.88	52.99	58.99
CRMS 0258	181.95	288.07	212.02	49.54	35.63	27.12	57.31	117.50	164.80	230.20	366.57	240.05
CRMS 0224	234.40	305.27	235.79	82.80	63.78	53.27	89.19	175.92	196.26	233.71	365.46	293.87
CRMS 0163	86.84	89.53	17.32	13.00	12.46	12.15	21.27	50.54	56.07	128.19	87.44	16.65
CRMS 0162	241.36	380.75	161.60	147.20	92.49	40.14	15.57	107.67	344.41	455.16	385.52	84.64

V3PR9 HYST - cy 4 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	120.67	180.88	138.36	95.15	75.70	60.51	66.13	78.92	123.95	111.49	161.83	174.70
CRMS0276 - Just east of Wilkinson Canal	286.54	347.02	193.77	69.19	43.84	34.76	118.13	232.41	256.98	383.26	434.79	215.50
Barataria Waterway at Lafitte (USACE82875)	126.18	121.03	37.00	14.09	14.01	11.83	26.99	72.54	71.26	156.73	175.38	40.78
USGS2928590900040000 Barataria Waterway South of Lafitte	151.20	239.84	195.08	84.87	63.85	49.10	70.84	98.39	175.64	160.15	237.64	238.37
USGS7380251 Barataria Bay North of Grand Isle	83.43	111.24	81.51	91.63	85.90	73.13	62.52	61.08	58.72	58.20	98.20	101.15
USGS73802515 Hackberry Bay Northwest of Grand Isle	261.88	294.99	209.31	137.12	117.39	95.34	118.86	203.71	181.92	208.94	336.47	293.88
USGS 07380335 - Little Lake Near Cutoff	343.28	355.98	259.66	150.47	126.77	92.38	146.77	274.09	245.39	305.90	428.29	339.57
USGS073802516 Barataria Pass at Grand Isle	306.02	339.29	234.85	178.61	163.87	131.89	174.71	287.66	216.36	257.40	351.51	326.72
HWQ14 - Lake Washington	141.47	171.03	113.20	125.45	130.34	105.66	92.27	122.70	101.54	96.57	158.40	175.89
HWQ16 - Bayou Grand Liard	532.97	512.47	387.19	266.41	204.88	185.72	354.05	480.49	445.73	535.38	589.42	444.77
CRMS 3985	49.75	64.94	50.24	74.45	79.56	70.56	57.60	45.38	37.70	37.63	51.54	57.16
CRMS 0258	198.82	309.69	234.93	61.77	43.94	30.24	63.24	124.37	184.25	247.83	393.72	266.89
CRMS 0224	249.75	322.16	253.67	97.98	74.88	58.68	97.61	182.76	213.41	248.96	384.46	317.72
CRMS 0163	94.14	92.63	18.00	13.51	12.68	12.03	24.77	54.05	58.53	143.72	98.44	18.89
CRMS 0162	238.53	373.28	156.01	148.93	99.02	39.64	16.13	102.68	347.51	475.90	384.86	87.42

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	1.77	2.16	0.39	10.19	8.62	5.07	3.21	1.11	2.56	3.39	0.21	1.40
CRMS0276 - Just east of Wilkinson Canal	24.83	27.18	34.84	14.47	8.98	7.48	17.66	14.44	16.35	30.13	32.84	38.06
Barataria Waterway at Lafitte (USACE82875)	9.52	21.58	12.70	1.49	0.85	0.25	7.54	25.41	25.94	41.06	-1.43	12.64
USGS2928590900040000 Barataria Waterway South of Lafitte	6.28	8.19	6.55	12.47	9.36	4.68	4.11	2.39	10.80	8.79	6.12	7.31
USGS7380251 Barataria Bay North of Grand Isle	0.04	1.62	-0.27	4.03	4.91	3.66	2.64	1.66	0.46	1.05	0.98	0.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	11.22	11.39	8.75	11.01	9.42	6.75	7.96	3.54	7.00	8.04	11.22	14.16
USGS 07380335 - Little Lake Near Cutoff	15.82	14.23	15.65	14.39	12.24	8.09	11.97	6.03	10.90	14.19	16.83	20.84
USGS073802516 Barataria Pass at Grand Isle	8.82	8.11	7.42	11.72	12.47	9.31	9.75	3.26	4.53	6.66	8.03	13.92
HWQ14 - Lake Washington	-3.57	-2.42	-4.22	0.42	2.84	3.61	0.90	-4.54	-2.80	-0.99	-2.83	-3.90
HWQ16 - Bayou Grand Liard	13.51	8.11	19.20	21.25	19.78	15.17	20.80	5.42	3.34	5.90	9.47	20.64
CRMS 3985	-1.25	-0.03	-1.49	-0.02	2.70	2.97	1.99	0.71	-0.27	-0.25	-1.45	-1.83
CRMS 0258	16.87	21.62	22.91	12.23	8.31	3.12	5.94	6.87	19.45	17.63	27.16	26.84
CRMS 0224	15.35	16.89	17.88	15.18	11.10	5.40	8.42	6.84	17.15	15.25	19.01	23.85
CRMS 0163	7.30	3.10	0.68	0.51	0.21	-0.12	3.49	3.51	2.46	15.53	11.00	2.24
CRMS 0162	-2.83	-7.46	-5.59	1.73	6.53	-0.51	0.56	-4.99	3.10	20.74	-0.66	2.78

Figure WQ SO4 200 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 4, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	196.53	217.75	145.98	80.05	64.60	66.19	81.93	107.49	139.49	110.25	180.27	217.31
CRMS0276 - Just east of Wilkinson Canal	380.72	213.17	84.79	36.56	32.84	55.15	110.61	232.16	230.89	289.79	393.01	413.33
Barataria Waterway at Lafitte (USACE82875)	171.61	47.49	13.66	12.35	11.64	12.28	19.26	52.81	58.84	108.88	188.98	140.55
USGS2928590900040000 Barataria Waterway South of Lafitte	243.90	234.62	154.23	61.86	47.83	53.77	85.47	125.95	165.53	133.63	239.35	282.60
USGS7380251 Barataria Bay North of Grand Isle	151.31	170.30	121.61	101.12	89.35	81.44	77.77	84.14	82.93	75.77	122.92	143.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	386.15	296.58	191.34	119.62	103.09	101.70	140.28	234.25	191.13	203.73	337.57	354.09
USGS 07380335 - Little Lake Near Cutoff	465.06	326.14	204.05	122.21	105.87	99.19	162.18	298.34	248.61	281.51	409.96	422.81
USGS073802516 Barataria Pass at Grand Isle	434.40	345.87	223.65	158.87	143.65	142.88	197.42	313.23	237.31	251.35	356.75	395.81
HWQ14 - Lake Washington	244.80	232.74	155.69	132.71	125.02	113.10	117.26	163.71	133.53	116.85	189.47	228.36
HWQ16 - Bayou Grand Liard	617.09	453.59	316.50	217.32	189.29	232.20	361.81	498.01	442.31	495.73	568.34	576.50
CRMS 3985	101.85	124.55	99.45	101.65	93.08	81.85	72.17	65.12	58.72	56.78	79.10	95.22
CRMS 0258	325.18	208.59	113.60	38.84	29.43	38.02	78.06	142.43	138.25	181.52	345.07	360.75
CRMS 0224	369.68	259.31	160.22	67.97	54.49	65.27	112.34	202.03	182.53	203.36	354.46	377.78
CRMS 0163	108.09	45.81	13.68	12.51	11.68	15.40	20.67	62.27	64.98	123.78	120.58	112.80
CRMS 0162	184.61	196.85	132.49	93.79	93.11	66.91	16.23	121.58	272.61	315.91	443.75	374.28

V3PR2 HYST - cy 5 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.21	16.58	11.24	11.83	11.10	11.46	12.12	15.53	16.08	17.63	27.14	22.92
CRMS0276 - Just east of Wilkinson Canal	376.23	240.46	112.62	46.99	48.37	69.95	95.71	201.46	261.28	348.78	438.41	423.51
Barataria Waterway at Lafitte (USACE82875)	188.18	58.29	17.11	14.74	14.10	14.56	28.18	68.62	162.69	208.31	240.09	201.48
USGS2928590900040000 Barataria Waterway South of Lafitte	63.91	67.65	11.43	11.91	11.16	11.40	11.88	29.44	83.15	60.85	213.56	196.57
USGS7380251 Barataria Bay North of Grand Isle	70.14	66.18	22.52	16.92	15.11	14.82	12.94	23.34	31.45	32.20	91.26	98.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	255.25	177.87	40.31	27.19	21.79	25.65	30.43	142.72	145.22	150.33	316.79	302.51
USGS 07380335 - Little Lake Near Cutoff	388.35	236.02	74.85	41.37	31.69	33.58	63.38	240.55	229.62	259.57	413.42	394.98
USGS073802516 Barataria Pass at Grand Isle	334.17	242.11	76.79	53.20	49.98	60.64	84.94	242.33	193.63	214.63	337.74	358.23
HWQ14 - Lake Washington	142.88	120.80	38.75	29.51	30.92	27.35	21.26	73.02	75.22	69.13	157.16	179.87
HWQ16 - Bayou Grand Liard	600.29	420.35	255.82	168.34	152.28	200.86	346.60	491.42	450.03	507.06	579.83	564.12
CRMS 3985	60.07	57.41	30.51	21.13	18.27	16.69	13.61	17.18	24.75	27.60	55.40	69.25
CRMS 0258	234.74	161.63	68.61	30.34	21.66	19.09	13.92	62.82	144.39	180.71	388.98	361.38
CRMS 0224	253.42	165.47	52.97	29.86	20.38	20.44	21.09	113.60	170.42	172.42	369.88	356.54
CRMS 0163	138.82	76.08	21.78	20.74	16.48	24.46	32.92	85.19	175.62	261.74	178.26	207.81
CRMS 0162	283.45	298.56	162.28	118.65	131.85	100.74	28.68	200.71	450.62	464.24	449.25	426.92

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-179.32	-201.17	-134.74	-68.22	-53.50	-54.73	-69.81	-91.95	-123.41	-92.63	-153.13	-194.39
CRMS0276 - Just east of Wilkinson Canal	-4.49	27.30	27.83	10.43	15.53	14.80	-14.89	-30.70	30.40	59.00	45.41	10.18
Barataria Waterway at Lafitte (USACE82875)	16.56	10.80	3.45	2.39	2.47	2.28	8.92	15.81	103.85	99.44	51.11	60.93
USGS2928590900040000 Barataria Waterway South of Lafitte	-179.98	-166.97	-142.80	-49.94	-36.67	-42.37	-73.59	-96.51	-82.38	-72.78	-25.79	-86.03
USGS7380251 Barataria Bay North of Grand Isle	-81.17	-104.12	-99.08	-84.19	-74.24	-66.62	-64.82	-60.80	-51.49	-43.57	-31.66	-45.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	-130.91	-118.71	-151.03	-92.43	-81.29	-76.04	-109.85	-91.53	-45.92	-53.39	-20.78	-51.58
USGS 07380335 - Little Lake Near Cutoff	-76.71	-90.12	-129.20	-80.83	-74.18	-65.61	-98.80	-57.80	-18.99	-21.95	3.47	-27.83
USGS073802516 Barataria Pass at Grand Isle	-100.22	-103.76	-146.87	-105.67	-93.68	-82.25	-112.48	-70.90	-43.68	-36.73	-19.00	-37.58
HWQ14 - Lake Washington	-101.92	-111.94	-116.94	-103.21	-94.10	-85.75	-96.00	-90.69	-58.31	-47.73	-32.31	-48.49
HWQ16 - Bayou Grand Liard	-16.81	-33.24	-60.69	-48.98	-37.02	-31.34	-15.22	-6.59	7.72	11.33	11.49	-12.38
CRMS 3985	-41.78	-67.14	-68.94	-80.53	-74.82	-65.16	-58.56	-47.94	-33.97	-29.18	-23.70	-25.97
CRMS 0258	-90.45	-46.96	-45.00	-8.50	-7.76	-18.92	-64.14	-79.61	6.14	-0.81	43.91	0.63
CRMS 0224	-116.26	-93.84	-107.25	-38.12	-34.11	-44.82	-91.24	-88.43	-12.11	-30.94	15.42	-21.24
CRMS 0163	30.73	30.27	8.10	8.23	4.80	9.06	12.25	22.92	110.64	137.95	57.69	95.02
CRMS 0162	98.84	101.72	29.78	24.86	38.74	33.83	12.45	79.13	178.02	148.32	5.50	52.64

Figure WQ SO4 201 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	176.97	190.53	124.43	76.66	70.63	70.90	98.27	131.86	201.89	183.32	233.35	223.13
CRMS0276 - Just east of Wilkinson Canal	319.30	130.49	63.23	52.56	38.13	118.86	265.37	358.52	368.89	459.40	406.69	279.86
Barataria Waterway at Lafitte (USACE82875)	139.94	20.49	12.18	13.02	11.89	28.18	78.71	138.88	167.99	249.92	179.95	54.42
USGS2928590900040000 Barataria Waterway South of Lafitte	210.22	195.90	119.14	62.35	54.37	59.46	108.32	163.25	265.98	248.23	305.23	273.18
USGS7380251 Barataria Bay North of Grand Isle	143.39	159.06	119.14	96.55	92.72	85.25	83.22	88.07	102.86	109.29	161.03	159.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	339.47	254.69	159.38	117.33	110.65	115.18	205.76	321.20	282.14	319.08	404.16	332.88
USGS 07380335 - Little Lake Near Cutoff	408.12	269.29	165.63	126.35	114.89	124.44	279.21	415.29	362.54	415.10	468.66	376.16
USGS073802516 Barataria Pass at Grand Isle	387.62	300.72	192.82	157.73	153.59	171.33	295.32	415.36	323.99	360.94	418.43	373.26
HWQ14 - Lake Washington	223.97	214.50	147.21	124.84	131.93	120.11	138.28	203.97	172.09	173.42	245.13	241.95
HWQ16 - Bayou Grand Liard	569.14	379.11	275.47	244.91	205.22	305.62	531.38	609.55	544.48	601.02	593.56	503.87
CRMS 3985	101.49	121.87	107.27	99.01	94.43	84.62	71.23	57.43	65.39	74.60	103.97	111.87
CRMS 0258	263.24	149.75	81.05	46.93	34.26	53.23	126.80	218.66	259.01	346.14	404.18	270.20
CRMS 0224	312.34	203.55	120.27	74.49	61.26	80.09	174.02	287.59	301.92	350.88	423.50	323.73
CRMS 0163	90.78	20.15	12.73	13.99	12.13	52.46	77.54	125.49	170.01	284.61	93.80	41.76
CRMS 0162	182.05	115.16	112.63	140.81	108.44	148.33	80.89	274.73	528.39	581.09	393.59	189.48

V3PR2 HYST - cy 5 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	18.47	11.56	10.86	10.94	10.99	15.54	17.19	20.32	30.93	29.42	35.06	18.41
CRMS0276 - Just east of Wilkinson Canal	315.86	156.57	80.56	66.60	59.15	141.97	275.93	400.08	445.13	545.50	457.95	329.84
Barataria Waterway at Lafitte (USACE82875)	163.42	31.72	14.17	27.62	23.03	34.08	106.28	214.65	429.76	455.12	220.58	73.38
USGS2928590900040000 Barataria Waterway South of Lafitte	36.49	14.17	11.17	11.31	11.31	18.81	30.79	70.41	193.11	152.90	163.55	83.31
USGS7380251 Barataria Bay North of Grand Isle	64.35	38.07	20.00	15.96	15.49	23.01	36.44	53.88	65.70	78.11	128.58	97.78
USGS73802515 Hackberry Bay Northwest of Grand Isle	207.03	88.44	28.53	25.70	23.86	58.59	177.90	303.55	277.56	307.09	380.29	245.43
USGS 07380335 - Little Lake Near Cutoff	327.20	140.79	51.78	41.59	36.71	78.93	274.95	430.84	388.43	438.92	475.02	330.59
USGS073802516 Barataria Pass at Grand Isle	289.62	156.92	57.02	53.94	59.01	119.44	284.14	418.04	323.79	358.76	400.98	325.30
HWQ14 - Lake Washington	122.95	74.88	31.29	27.15	35.52	48.85	97.01	171.89	141.57	146.72	211.09	184.72
HWQ16 - Bayou Grand Liard	564.41	339.04	214.32	193.36	176.87	303.40	561.24	644.18	579.49	624.26	615.49	512.42
CRMS 3985	56.60	44.71	26.83	19.45	18.16	20.94	26.87	33.54	44.33	55.18	83.55	82.47
CRMS 0258	161.53	91.69	48.05	37.16	27.74	40.10	83.02	186.73	333.66	395.69	438.33	238.05
CRMS 0224	183.22	89.56	35.78	32.03	25.05	46.82	141.42	271.88	342.28	369.97	427.08	254.66
CRMS 0163	142.78	47.70	21.30	55.81	21.67	79.56	112.36	259.65	517.18	527.79	175.78	101.95
CRMS 0162	287.62	203.21	142.18	176.40	148.97	265.64	231.58	386.54	646.88	657.28	454.25	337.33

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-158.49	-178.97	-113.58	-65.72	-59.65	-55.36	-81.08	-111.55	-170.96	-153.89	-198.29	-204.72
CRMS0276 - Just east of Wilkinson Canal	-3.44	26.08	17.33	14.04	21.02	23.11	10.56	41.56	76.24	86.11	51.26	49.98
Barataria Waterway at Lafitte (USACE82875)	23.48	11.23	1.99	14.60	11.13	5.90	27.58	75.76	261.76	205.21	40.63	18.96
USGS2928590900040000 Barataria Waterway South of Lafitte	-173.74	-181.73	-107.97	-51.04	-43.06	-40.65	-77.53	-92.84	-72.87	-95.33	-141.68	-189.86
USGS7380251 Barataria Bay North of Grand Isle	-79.04	-120.99	-99.15	-80.59	-77.24	-62.24	-46.78	-34.19	-37.16	-31.18	-32.46	-61.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	-132.44	-166.24	-130.85	-91.63	-86.79	-56.59	-27.86	-17.64	-4.58	-11.98	-23.87	-87.45
USGS 07380335 - Little Lake Near Cutoff	-80.92	-128.50	-113.84	-84.76	-78.18	-45.51	-4.26	15.56	25.88	23.81	6.37	-45.58
USGS073802516 Barataria Pass at Grand Isle	-98.00	-143.79	-135.80	-103.79	-94.59	-51.89	-11.17	2.68	-0.20	-2.18	-17.45	-47.96
HWQ14 - Lake Washington	-101.02	-139.62	-115.92	-97.69	-96.41	-71.25	-41.28	-32.08	-30.52	-26.70	-34.04	-57.23
HWQ16 - Bayou Grand Liard	-4.73	-40.07	-61.15	-51.55	-28.34	-2.22	29.86	34.63	35.02	23.24	21.94	8.55
CRMS 3985	-44.89	-77.16	-80.44	-79.56	-76.27	-63.68	-44.36	-23.89	-21.07	-19.42	-20.42	-29.39
CRMS 0258	-101.71	-58.05	-32.99	-9.77	-6.52	-13.14	-43.78	-31.93	74.65	49.55	34.14	-32.14
CRMS 0224	-129.12	-113.99	-84.49	-42.46	-36.21	-33.28	-32.60	-15.72	40.36	19.09	3.58	-69.08
CRMS 0163	52.00	27.55	8.57	41.82	9.54	27.10	34.82	134.16	347.16	243.18	81.98	60.18
CRMS 0162	105.58	88.06	29.54	35.59	40.54	117.31	150.70	111.80	118.49	76.19	60.66	147.85

Figure WQ SO4 202 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	184.93	225.32	165.38	132.48	151.57	142.60	128.28	156.33	246.46	224.94	226.36	201.52
CRMS0276 - Just east of Wilkinson Canal	404.36	222.19	227.16	163.18	181.44	244.79	357.03	478.34	473.59	450.14	331.36	284.95
Barataria Waterway at Lafitte (USACE82875)	218.06	61.30	47.81	57.67	71.00	48.07	169.82	285.69	415.95	158.66	121.07	72.46
USGS2928590900040000 Barataria Waterway South of Lafitte	224.24	246.10	198.34	128.37	152.99	141.75	149.29	196.85	344.49	305.14	284.35	239.75
USGS7380251 Barataria Bay North of Grand Isle	144.94	173.35	118.26	121.09	136.68	132.18	93.52	99.35	120.17	132.77	165.22	149.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	372.31	307.70	233.45	190.82	205.64	203.41	259.73	400.39	355.86	369.64	385.35	305.27
USGS 07380335 - Little Lake Near Cutoff	461.21	333.80	279.88	222.10	236.13	224.47	356.74	518.72	448.56	459.15	436.26	353.63
USGS073802516 Barataria Pass at Grand Isle	423.43	356.61	266.07	244.22	271.57	280.39	359.49	500.67	395.86	404.53	405.09	352.52
HWQ14 - Lake Washington	232.31	241.64	154.01	161.16	196.95	188.55	164.66	249.48	206.95	209.68	249.76	224.16
HWQ16 - Bayou Grand Liard	627.09	465.65	437.13	377.29	382.83	421.87	610.76	695.09	611.69	613.04	553.80	501.84
CRMS 3985	99.15	123.86	85.41	101.05	119.31	117.79	70.63	61.49	74.20	88.65	112.11	108.71
CRMS 0258	310.46	214.65	223.68	124.83	144.57	156.99	189.64	276.90	369.45	383.14	334.94	247.57
CRMS 0224	350.20	268.45	241.71	158.16	179.14	175.23	232.17	362.17	400.33	403.12	382.68	293.95
CRMS 0163	160.28	63.49	41.99	95.10	45.77	90.45	152.03	255.08	436.79	166.35	58.54	65.18
CRMS 0162	321.60	240.71	337.41	318.86	291.44	324.50	313.83	459.25	666.53	505.04	306.77	228.36

V3PR2 HYST - cy 5 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	28.06	16.42	18.65	19.49	15.23	20.05	20.66	22.86	34.05	29.66	33.05	25.54
CRMS0276 - Just east of Wilkinson Canal	421.35	231.13	254.04	170.43	230.62	280.01	364.86	512.58	538.85	572.71	373.72	314.39
Barataria Waterway at Lafitte (USACE82875)	257.89	90.35	54.87	77.05	105.13	74.43	361.82	462.93	541.33	435.99	128.37	76.25
USGS2928590900040000 Barataria Waterway South of Lafitte	84.10	30.76	46.58	40.03	26.79	51.16	37.27	81.30	217.65	166.31	157.57	120.62
USGS7380251 Barataria Bay North of Grand Isle	105.53	81.76	63.77	54.48	57.54	73.05	56.04	65.87	77.62	90.30	130.11	109.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	329.39	182.09	149.82	120.12	108.27	157.44	217.60	365.28	327.13	338.05	366.06	267.55
USGS 07380335 - Little Lake Near Cutoff	450.16	251.29	222.61	165.07	156.31	191.90	347.56	519.72	450.01	472.21	448.24	341.21
USGS073802516 Barataria Pass at Grand Isle	397.99	266.54	197.50	179.44	194.85	249.32	336.36	485.60	375.71	390.25	392.29	329.78
HWQ14 - Lake Washington	189.27	144.25	93.06	93.60	120.58	131.43	115.41	200.68	167.96	169.04	213.99	185.13
HWQ16 - Bayou Grand Liard	647.92	449.98	426.70	356.53	379.21	436.55	635.27	715.10	625.16	643.68	577.02	512.54
CRMS 3985	76.67	79.78	54.87	50.24	60.68	65.32	44.35	42.54	53.51	64.23	88.48	85.17
CRMS 0258	277.32	154.89	199.06	116.44	134.61	135.67	123.38	225.79	444.25	439.45	368.86	248.24
CRMS 0224	318.49	170.27	179.16	123.62	124.29	145.36	187.24	330.00	412.30	406.87	396.90	281.31
CRMS 0163	238.66	135.74	80.53	155.27	109.30	153.83	399.63	521.78	598.02	495.20	95.83	125.08
CRMS 0162	454.17	394.61	428.99	437.84	401.33	472.75	563.05	600.86	699.06	650.99	384.55	386.41

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-156.87	-208.90	-146.73	-113.00	-136.34	-122.54	-107.61	-133.47	-212.40	-195.28	-193.31	-175.98
CRMS0276 - Just east of Wilkinson Canal	16.99	8.95	26.88	7.25	49.19	35.22	7.83	34.23	65.26	122.57	42.36	29.44
Barataria Waterway at Lafitte (USACE82875)	39.83	29.06	7.05	19.38	34.14	26.36	192.00	177.24	125.38	277.33	7.30	3.79
USGS2928590900040000 Barataria Waterway South of Lafitte	-140.14	-215.33	-151.76	-88.34	-126.20	-90.59	-112.03	-115.55	-126.83	-138.83	-126.78	-119.13
USGS7380251 Barataria Bay North of Grand Isle	-39.41	-91.58	-54.50	-66.61	-79.14	-59.13	-37.48	-33.48	-42.55	-42.47	-35.11	-39.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	-42.92	-125.61	-83.63	-70.70	-97.37	-45.97	-42.13	-35.11	-28.73	-31.59	-19.29	-37.71
USGS 07380335 - Little Lake Near Cutoff	-11.04	-82.50	-57.27	-57.02	-79.82	-32.58	-9.18	1.00	1.45	13.05	11.97	-12.42
USGS073802516 Barataria Pass at Grand Isle	-25.44	-90.07	-68.57	-64.78	-76.72	-31.06	-23.12	-15.07	-20.14	-14.28	-12.80	-22.74
HWQ14 - Lake Washington	-43.04	-97.39	-60.95	-67.56	-76.37	-57.12	-49.25	-48.80	-38.99	-40.64	-35.76	-39.02
HWQ16 - Bayou Grand Liard	20.83	-15.67	-10.43	-20.75	-3.62	14.68	24.51	20.02	13.47	30.64	23.22	10.71
CRMS 3985	-22.49	-44.08	-30.54	-50.80	-58.63	-52.47	-26.28	-18.95	-20.69	-24.41	-23.62	-23.54
CRMS 0258	-33.13	-59.76	-24.62	-8.38	-9.96	-21.33	-66.26	-51.11	74.80	56.32	33.92	0.67
CRMS 0224	-31.71	-98.19	-62.54	-34.54	-54.85	-29.86	-44.93	-32.17	11.97	3.74	14.23	-12.64
CRMS 0163	78.38	72.25	38.54	60.17	63.53	63.38	247.59	266.70	161.23	328.85	37.28	59.89
CRMS 0162	132.58	153.90	91.59	118.98	109.89	148.25	249.22	141.61	32.54	145.95	77.78	158.05

Figure WQ SO4 203 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	187.69	187.65	121.79	93.42	103.22	95.15	86.74	92.27	133.92	129.77	190.82	216.75
CRMS0276 - Just east of Wilkinson Canal	342.83	94.90	89.59	70.72	96.64	77.01	160.55	231.56	250.96	349.00	385.48	358.76
Barataria Waterway at Lafitte (USACE82875)	119.98	14.75	17.25	24.03	39.19	14.42	27.87	54.43	79.51	132.73	179.54	94.92
USGS2928590900040000 Barataria Waterway South of Lafitte	232.33	185.06	113.92	79.61	95.85	79.29	97.22	113.50	167.67	170.70	251.96	279.41
USGS7380251 Barataria Bay North of Grand Isle	146.18	162.18	123.02	109.64	112.33	106.64	72.37	64.77	72.38	79.10	129.43	144.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	359.21	243.00	161.52	137.52	153.22	139.30	156.09	229.47	194.38	239.60	349.14	343.08
USGS 07380335 - Little Lake Near Cutoff	429.02	248.28	174.86	147.38	170.65	137.19	195.50	297.81	259.98	326.50	417.88	402.70
USGS073802516 Barataria Pass at Grand Isle	406.97	288.37	198.35	180.84	210.35	188.05	222.78	311.71	237.65	283.39	367.18	384.75
HWQ14 - Lake Washington	232.93	215.24	149.35	140.99	163.49	148.70	115.75	148.80	122.71	125.56	199.85	228.06
HWQ16 - Bayou Grand Liard	579.83	346.81	308.92	275.72	293.78	270.63	417.46	493.89	455.89	537.47	567.75	550.22
CRMS 3985	100.32	127.25	114.60	109.02	108.93	101.61	59.01	45.21	48.54	55.11	82.24	96.73
CRMS 0258	306.00	123.42	82.24	60.54	81.47	53.86	97.88	139.69	151.67	239.60	347.98	332.89
CRMS 0224	344.14	179.71	121.16	92.41	114.17	91.77	133.00	198.59	192.93	254.21	364.07	360.93
CRMS 0163	58.71	14.25	20.35	46.74	20.65	21.10	31.15	58.83	70.22	142.54	110.66	87.72
CRMS 0162	122.35	90.52	173.02	177.19	181.62	82.64	18.91	111.08	321.25	410.88	426.61	346.28

V3PR2 HYST - cy 5 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.90	10.99	12.40	11.78	12.08	12.46	13.18	15.83	24.94	25.14	34.15	27.58
CRMS0276 - Just east of Wilkinson Canal	329.40	120.30	94.05	83.90	131.24	95.13	135.91	217.46	304.61	453.51	434.13	430.69
Barataria Waterway at Lafitte (USACE82875)	179.81	21.17	19.94	36.85	64.64	17.85	49.83	84.28	251.36	339.78	219.66	188.63
USGS2928590900040000 Barataria Waterway South of Lafitte	18.00	12.50	12.97	12.49	13.76	13.03	13.13	34.29	124.70	122.34	149.82	139.19
USGS7380251 Barataria Bay North of Grand Isle	63.33	32.08	22.95	18.75	20.57	21.62	18.97	28.53	41.24	56.79	110.11	110.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	191.93	72.52	36.04	33.90	40.79	38.31	49.05	143.55	184.00	245.33	344.62	309.82
USGS 07380335 - Little Lake Near Cutoff	316.27	118.24	64.27	54.85	67.16	51.76	98.92	250.65	281.18	365.37	438.66	400.07
USGS073802516 Barataria Pass at Grand Isle	283.29	135.76	67.59	70.52	96.38	91.80	127.82	253.81	225.60	294.65	367.17	369.82
HWQ14 - Lake Washington	126.22	63.88	33.39	34.29	52.70	46.13	38.42	83.76	89.72	108.46	182.33	195.92
HWQ16 - Bayou Grand Liard	558.32	302.29	245.75	222.59	255.25	243.59	413.62	520.42	493.09	580.27	593.50	572.00
CRMS 3985	62.24	41.09	28.13	22.38	23.62	23.85	19.97	22.40	29.20	39.21	69.29	79.61
CRMS 0258	158.92	77.20	48.78	46.78	69.55	27.06	17.66	61.98	174.44	295.88	396.27	347.74
CRMS 0224	170.66	75.75	40.93	41.56	56.19	29.16	30.03	113.47	208.03	291.12	389.12	351.72
CRMS 0163	131.09	31.31	31.45	80.85	43.21	36.34	56.35	95.88	322.60	422.33	194.18	239.79
CRMS 0162	203.84	146.71	226.31	225.54	233.83	141.81	77.12	217.65	523.19	582.75	465.77	449.19

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-174.78	-176.65	-109.39	-81.64	-91.13	-82.69	-73.56	-76.44	-108.99	-104.63	-156.67	-189.17
CRMS0276 - Just east of Wilkinson Canal	-13.43	25.40	4.46	13.18	34.60	18.12	-24.64	-14.10	53.65	104.51	48.65	71.94
Barataria Waterway at Lafitte (USACE82875)	59.82	6.42	2.69	12.82	25.45	3.44	21.96	29.84	171.84	207.05	40.11	93.71
USGS2928590900040000 Barataria Waterway South of Lafitte	-214.33	-172.56	-100.95	-67.12	-82.09	-66.26	-84.09	-79.21	-42.97	-48.36	-102.14	-140.22
USGS7380251 Barataria Bay North of Grand Isle	-82.85	-130.10	-100.06	-90.89	-91.76	-85.02	-53.40	-36.23	-31.14	-22.31	-19.32	-33.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	-167.28	-170.48	-125.48	-103.62	-112.43	-100.99	-107.04	-85.92	-10.38	5.72	-4.51	-33.26
USGS 07380335 - Little Lake Near Cutoff	-112.74	-130.03	-110.58	-92.54	-103.49	-85.43	-96.58	-47.17	21.20	38.87	20.78	-2.63
USGS073802516 Barataria Pass at Grand Isle	-123.68	-152.61	-130.76	-110.31	-113.97	-96.24	-94.96	-57.90	-12.05	11.27	-0.02	-14.92
HWQ14 - Lake Washington	-106.71	-151.36	-115.96	-106.69	-110.79	-102.57	-77.32	-65.04	-32.99	-17.10	-17.52	-32.15
HWQ16 - Bayou Grand Liard	-21.51	-44.52	-63.17	-53.13	-38.53	-27.04	-3.83	26.53	37.20	42.79	25.76	21.78
CRMS 3985	-38.09	-86.16	-86.47	-86.63	-85.31	-77.75	-39.04	-22.81	-19.34	-15.90	-12.95	-17.12
CRMS 0258	-147.08	-46.23	-33.46	-13.76	-11.91	-26.80	-80.22	-77.70	22.76	56.28	48.29	14.85
CRMS 0224	-173.48	-103.96	-80.23	-50.84	-57.98	-62.61	-102.97	-85.12	15.11	36.91	25.05	-9.21
CRMS 0163	72.38	17.06	11.10	34.11	22.56	15.24	25.20	37.05	252.38	279.78	83.52	152.07
CRMS 0162	81.49	56.18	53.30	48.35	52.21	59.17	58.21	106.56	201.94	171.87	39.17	102.91

Figure WQ SO4 204 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.83	223.79	174.63	94.78	81.37	70.62	70.65	84.01	143.46	134.98	204.05	205.38
CRMS0276 - Just east of Wilkinson Canal	288.11	327.71	165.31	66.03	41.93	34.13	124.67	244.44	274.53	386.09	404.15	193.99
Barataria Waterway at Lafitte (USACE82875)	137.91	123.91	26.04	15.13	15.39	11.75	25.84	66.29	94.97	164.74	185.36	27.15
USGS2928590900040000 Barataria Waterway South of Lafitte	180.82	263.18	216.76	77.81	64.23	55.14	76.75	104.57	183.32	178.08	271.65	251.22
USGS7380251 Barataria Bay North of Grand Isle	129.56	161.20	121.64	108.51	101.68	88.49	61.82	58.04	73.45	81.12	137.92	144.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	306.39	315.68	242.71	141.49	125.80	103.72	123.74	223.76	205.37	250.08	373.61	307.91
USGS 07380335 - Little Lake Near Cutoff	375.77	362.19	276.58	151.23	129.75	94.96	155.71	303.34	276.99	342.34	442.43	337.97
USGS073802516 Barataria Pass at Grand Isle	354.73	361.99	268.76	185.86	172.80	136.88	180.75	308.65	249.31	297.32	387.42	344.16
HWQ14 - Lake Washington	201.46	224.79	162.19	144.06	147.52	118.88	93.85	135.56	125.79	130.26	214.40	225.95
HWQ16 - Bayou Grand Liard	546.81	515.43	388.39	270.92	214.14	193.80	376.29	512.59	471.95	556.32	582.62	447.75
CRMS 3985	91.41	111.67	86.49	102.01	100.91	88.51	52.02	40.52	47.37	55.75	86.78	100.41
CRMS 0258	218.24	288.76	223.31	56.87	40.98	33.48	71.41	131.87	169.59	256.41	381.09	231.89
CRMS 0224	272.84	312.50	254.42	90.21	70.62	62.67	101.82	192.53	209.02	267.29	394.55	291.88
CRMS 0163	110.74	128.28	21.11	18.69	12.71	13.83	28.62	70.95	84.95	189.10	103.43	20.90
CRMS 0162	261.41	421.07	188.50	150.40	97.09	44.54	18.49	137.30	383.95	499.53	422.51	105.67

V3PR2 HYST - cy 5 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	19.52	29.33	12.12	11.37	12.44	11.57	13.05	17.41	26.33	26.54	33.20	12.07
CRMS0276 - Just east of Wilkinson Canal	278.87	274.14	218.71	82.19	56.57	44.31	109.91	241.98	324.06	470.99	453.86	243.78
Barataria Waterway at Lafitte (USACE82875)	145.41	207.36	43.07	32.51	41.31	12.71	44.65	89.41	298.06	400.38	230.71	31.60
USGS2928590900040000 Barataria Waterway South of Lafitte	42.89	104.46	17.13	11.84	12.88	11.65	13.00	47.29	138.59	126.04	144.10	14.49
USGS7380251 Barataria Bay North of Grand Isle	51.28	106.51	43.87	20.59	19.02	17.95	16.17	34.04	46.98	60.41	112.97	57.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	207.05	240.79	84.81	35.98	29.71	25.01	39.73	195.08	202.68	254.00	354.42	119.98
USGS 07380335 - Little Lake Near Cutoff	311.59	292.77	145.68	58.19	45.40	30.71	80.49	295.67	301.08	375.71	452.74	212.88
USGS073802516 Barataria Pass at Grand Isle	272.14	300.28	139.74	76.20	70.04	58.71	105.13	296.40	245.13	304.71	377.49	214.98
HWQ14 - Lake Washington	103.81	165.90	71.57	39.85	44.22	33.68	29.20	105.02	101.55	115.29	189.48	114.75
HWQ16 - Bayou Grand Liard	545.66	472.87	350.69	225.05	179.49	171.85	383.35	532.56	501.81	587.20	603.04	427.82
CRMS 3985	40.74	74.93	45.81	26.39	23.14	21.20	17.09	22.93	32.44	42.28	71.95	62.85
CRMS 0258	148.37	207.24	134.46	45.54	32.82	14.70	14.88	88.87	197.90	304.24	417.83	165.04
CRMS 0224	185.93	227.42	103.75	40.93	30.83	16.78	24.66	159.29	229.41	300.56	404.09	153.09
CRMS 0163	150.43	265.33	48.89	71.51	15.94	21.45	50.53	113.18	374.54	481.38	184.61	41.09
CRMS 0162	341.23	471.11	246.34	208.23	132.42	61.90	60.05	236.16	559.07	620.24	468.38	213.71

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-139.30	-194.46	-162.52	-83.41	-68.93	-59.05	-57.59	-66.59	-117.13	-108.43	-170.85	-193.30
CRMS0276 - Just east of Wilkinson Canal	-9.24	-53.57	53.40	16.16	14.63	10.18	-14.76	-2.46	49.53	84.90	49.71	49.79
Barataria Waterway at Lafitte (USACE82875)	7.50	83.46	17.04	17.39	25.92	0.96	18.81	23.12	203.09	235.64	45.35	4.45
USGS2928590900040000 Barataria Waterway South of Lafitte	-137.93	-158.73	-199.62	-65.98	-51.35	-43.49	-63.75	-57.28	-44.72	-52.04	-127.56	-236.73
USGS7380251 Barataria Bay North of Grand Isle	-78.27	-54.69	-77.76	-87.92	-82.66	-70.54	-45.65	-24.00	-26.46	-20.72	-24.95	-86.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	-99.34	-74.89	-157.90	-105.51	-96.09	-78.71	-84.01	-28.68	-2.68	3.92	-19.19	-187.94
USGS 07380335 - Little Lake Near Cutoff	-64.18	-69.43	-130.91	-93.04	-84.35	-64.25	-75.22	-7.67	24.09	33.37	10.31	-125.09
USGS073802516 Barataria Pass at Grand Isle	-82.60	-61.70	-129.02	-109.66	-102.76	-78.17	-75.63	-12.25	-4.18	7.39	-9.93	-129.18
HWQ14 - Lake Washington	-97.64	-58.89	-90.62	-104.21	-103.31	-85.19	-64.65	-30.55	-24.25	-14.97	-24.92	-111.20
HWQ16 - Bayou Grand Liard	-1.15	-42.56	-37.70	-45.86	-34.65	-21.95	7.06	19.97	29.86	30.88	20.42	-19.93
CRMS 3985	-50.67	-36.74	-40.68	-75.62	-77.77	-67.31	-34.93	-17.59	-14.92	-13.47	-14.83	-37.56
CRMS 0258	-69.87	-81.52	-88.85	-11.34	-8.15	-18.78	-56.52	-43.00	28.31	47.84	36.74	-66.85
CRMS 0224	-86.90	-85.08	-150.67	-49.28	-39.79	-45.88	-77.16	-33.24	20.39	33.27	9.55	-138.78
CRMS 0163	39.69	137.05	27.79	52.82	3.23	7.62	21.91	42.23	289.59	292.28	81.18	20.18
CRMS 0162	79.82	50.04	57.83	57.83	35.33	17.36	41.57	98.86	175.13	120.71	45.88	108.04

Figure WQ SO4 205 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	196.53	217.75	145.98	80.05	64.60	66.19	81.93	107.49	139.49	110.25	180.27	217.31
CRMS0276 - Just east of Wilkinson Canal	380.72	213.17	84.79	36.56	32.84	55.15	110.61	232.16	230.89	289.79	393.01	413.33
Barataria Waterway at Lafitte (USACE82875)	171.61	47.49	13.66	12.35	11.64	12.28	19.26	52.81	58.84	108.88	188.98	140.55
USGS2928590900040000 Barataria Waterway South of Lafitte	243.90	234.62	154.23	61.86	47.83	53.77	85.47	125.95	165.53	133.63	239.35	282.60
USGS7380251 Barataria Bay North of Grand Isle	151.31	170.30	121.61	101.12	89.35	81.44	77.77	84.14	82.93	75.77	122.92	143.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	386.15	296.58	191.34	119.62	103.09	101.70	140.28	234.25	191.13	203.73	337.57	354.09
USGS 07380335 - Little Lake Near Cutoff	465.06	326.14	204.05	122.21	105.87	99.19	162.18	298.34	248.61	281.51	409.96	422.81
USGS073802516 Barataria Pass at Grand Isle	434.40	345.87	223.65	158.87	143.65	142.88	197.42	313.23	237.31	251.35	356.75	395.81
HWQ14 - Lake Washington	244.80	232.74	155.69	132.71	125.02	113.10	117.26	163.71	133.53	116.85	189.47	228.36
HWQ16 - Bayou Grand Liard	617.09	453.59	316.50	217.32	189.29	232.20	361.81	498.01	442.31	495.73	568.34	576.50
CRMS 3985	101.85	124.55	99.45	101.65	93.08	81.85	72.17	65.12	58.72	56.78	79.10	95.22
CRMS 0258	325.18	208.59	113.60	38.84	29.43	38.02	78.06	142.43	138.25	181.52	345.07	360.75
CRMS 0224	369.68	259.31	160.22	67.97	54.49	65.27	112.34	202.03	182.53	203.36	354.46	377.78
CRMS 0163	108.09	45.81	13.68	12.51	11.68	15.40	20.67	62.27	64.98	123.78	120.58	112.80
CRMS 0162	184.61	196.85	132.49	93.79	93.11	66.91	16.23	121.58	272.61	315.91	443.75	374.28

V3PR3 HYST - cy 5 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.30	15.12	11.24	11.84	11.11	11.46	12.12	15.47	15.77	17.03	23.07	20.90
CRMS0276 - Just east of Wilkinson Canal	363.77	242.82	117.98	50.70	50.10	74.44	97.31	210.72	261.51	333.79	430.93	330.50
Barataria Waterway at Lafitte (USACE82875)	192.77	61.73	18.10	15.17	14.10	14.82	31.14	73.08	159.20	184.75	236.58	145.09
USGS2928590900040000 Barataria Waterway South of Lafitte	39.27	48.21	11.38	11.89	11.14	11.40	11.96	26.16	56.43	47.63	138.11	121.20
USGS7380251 Barataria Bay North of Grand Isle	73.18	69.29	25.29	18.16	16.32	16.22	13.83	25.95	33.81	33.56	92.57	100.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	239.02	173.91	41.09	28.18	22.83	26.46	32.04	148.22	146.15	144.60	310.81	281.78
USGS 07380335 - Little Lake Near Cutoff	368.32	232.94	77.73	43.74	33.40	34.73	66.01	245.82	231.95	250.03	407.40	358.89
USGS073802516 Barataria Pass at Grand Isle	319.45	241.95	80.68	57.34	54.24	63.54	88.80	252.56	195.77	210.01	335.30	336.31
HWQ14 - Lake Washington	141.11	122.96	41.72	31.78	33.71	29.70	23.35	80.12	78.54	70.43	157.44	178.35
HWQ16 - Bayou Grand Liard	585.74	421.69	268.98	177.20	158.38	205.50	353.47	499.66	446.68	498.29	577.15	517.27
CRMS 3985	61.95	60.44	33.69	23.06	19.98	18.36	14.78	18.97	26.62	28.64	57.12	71.87
CRMS 0258	205.85	156.74	69.06	32.37	22.04	19.55	13.77	61.93	143.92	171.92	373.74	296.81
CRMS 0224	229.85	159.94	53.19	31.21	20.88	20.69	21.46	114.18	169.87	163.51	358.57	316.82
CRMS 0163	141.90	78.73	23.09	21.26	15.97	24.44	36.52	86.41	173.14	235.01	168.36	159.05
CRMS 0162	282.42	299.01	172.57	126.42	138.47	94.36	28.94	196.46	435.02	437.22	432.45	340.89

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-180.23	-202.63	-134.74	-68.21	-53.49	-54.73	-69.81	-92.02	-123.72	-93.22	-157.20	-196.41
CRMS0276 - Just east of Wilkinson Canal	-16.96	29.65	33.19	14.13	17.26	19.29	-13.30	-21.44	30.63	44.00	37.93	-82.83
Barataria Waterway at Lafitte (USACE82875)	21.16	14.23	4.44	2.82	2.46	2.54	11.88	20.26	100.36	75.88	47.60	4.54
USGS2928590900040000 Barataria Waterway South of Lafitte	-204.62	-186.41	-142.85	-49.96	-36.69	-42.37	-73.51	-99.79	-109.09	-86.00	-101.23	-161.39
USGS7380251 Barataria Bay North of Grand Isle	-78.13	-101.00	-96.32	-82.95	-73.03	-65.22	-63.93	-58.18	-49.12	-42.22	-30.36	-42.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	-147.13	-122.67	-150.25	-91.44	-80.26	-75.23	-108.24	-86.03	-44.98	-59.12	-26.75	-72.31
USGS 07380335 - Little Lake Near Cutoff	-96.74	-93.19	-126.32	-78.47	-72.46	-64.46	-96.17	-52.52	-16.66	-31.48	-2.55	-63.91
USGS073802516 Barataria Pass at Grand Isle	-114.94	-103.92	-142.97	-101.53	-89.41	-79.35	-108.62	-60.67	-41.54	-41.34	-21.45	-59.50
HWQ14 - Lake Washington	-103.68	-109.78	-113.98	-100.93	-91.30	-83.40	-93.91	-83.59	-54.99	-46.42	-32.02	-50.01
HWQ16 - Bayou Grand Liard	-31.35	-31.90	-47.52	-40.12	-30.91	-26.70	-8.34	1.65	4.37	2.56	8.81	-59.23
CRMS 3985	-39.90	-64.12	-65.76	-78.59	-73.11	-63.49	-57.39	-46.15	-32.10	-28.14	-21.99	-23.35
CRMS 0258	-119.34	-51.85	-44.54	-6.47	-7.39	-18.47	-64.29	-80.50	5.68	-9.60	28.67	-63.94
CRMS 0224	-139.83	-99.37	-107.04	-36.76	-33.60	-44.58	-90.87	-87.85	-12.65	-39.84	4.10	-60.96
CRMS 0163	33.81	32.91	9.41	8.75	4.29	9.03	15.85	24.14	108.17	111.23	47.79	46.25
CRMS 0162	97.80	102.16	40.08	32.63	45.36	27.45	12.72	74.88	162.41	121.31	-11.31	-33.40

Figure WQ SO4 206 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	176.97	190.53	124.43	76.66	70.63	70.90	98.27	131.86	201.89	183.32	233.35	223.13
CRMS0276 - Just east of Wilkinson Canal	319.30	130.49	63.23	52.56	38.13	118.86	265.37	358.52	368.89	459.40	406.69	279.86
Barataria Waterway at Lafitte (USACE82875)	139.94	20.49	12.18	13.02	11.89	28.18	78.71	138.88	167.99	249.92	179.95	54.42
USGS2928590900040000 Barataria Waterway South of Lafitte	210.22	195.90	119.14	62.35	54.37	59.46	108.32	163.25	265.98	248.23	305.23	273.18
USGS7380251 Barataria Bay North of Grand Isle	143.39	159.06	119.14	96.55	92.72	85.25	83.22	88.07	102.86	109.29	161.03	159.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	339.47	254.69	159.38	117.33	110.65	115.18	205.76	321.20	282.14	319.08	404.16	332.88
USGS 07380335 - Little Lake Near Cutoff	408.12	269.29	165.63	126.35	114.89	124.44	279.21	415.29	362.54	415.10	468.66	376.16
USGS073802516 Barataria Pass at Grand Isle	387.62	300.72	192.82	157.73	153.59	171.33	295.32	415.36	323.99	360.94	418.43	373.26
HWQ14 - Lake Washington	223.97	214.50	147.21	124.84	131.93	120.11	138.28	203.97	172.09	173.42	245.13	241.95
HWQ16 - Bayou Grand Liard	569.14	379.11	275.47	244.91	205.22	305.62	531.38	609.55	544.48	601.02	593.56	503.87
CRMS 3985	101.49	121.87	107.27	99.01	94.43	84.62	71.23	57.43	65.39	74.60	103.97	111.87
CRMS 0258	263.24	149.75	81.05	46.93	34.26	53.23	126.80	218.66	259.01	346.14	404.18	270.20
CRMS 0224	312.34	203.55	120.27	74.49	61.26	80.09	174.02	287.59	301.92	350.88	423.50	323.73
CRMS 0163	90.78	20.15	12.73	13.99	12.13	52.46	77.54	125.49	170.01	284.61	93.80	41.76
CRMS 0162	182.05	115.16	112.63	140.81	108.44	148.33	80.89	274.73	528.39	581.09	393.59	189.48

V3PR3 HYST - cy 5 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.11	11.49	10.85	10.94	10.98	15.37	16.37	18.06	22.76	21.76	23.45	16.03
CRMS0276 - Just east of Wilkinson Canal	319.21	169.31	89.79	70.18	61.53	140.83	272.39	394.65	433.85	533.07	466.16	330.66
Barataria Waterway at Lafitte (USACE82875)	167.74	34.74	15.14	21.25	20.48	33.50	101.15	197.99	401.82	438.70	233.78	73.01
USGS2928590900040000 Barataria Waterway South of Lafitte	34.22	12.05	10.93	11.01	10.99	18.20	30.41	60.80	170.63	150.28	169.76	74.79
USGS7380251 Barataria Bay North of Grand Isle	61.24	36.99	19.48	15.76	15.27	22.48	34.55	48.28	58.91	72.12	123.46	95.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	197.78	90.54	28.40	26.08	24.21	59.75	175.81	293.17	268.24	293.11	375.41	243.76
USGS 07380335 - Little Lake Near Cutoff	321.41	146.68	52.85	42.87	37.35	78.52	271.57	418.70	380.12	425.88	473.10	333.33
USGS073802516 Barataria Pass at Grand Isle	279.53	157.87	56.89	55.25	58.65	118.63	278.34	406.73	312.59	346.30	395.59	323.04
HWQ14 - Lake Washington	116.44	71.86	29.69	27.19	34.25	46.37	90.96	158.16	133.20	139.23	205.37	179.04
HWQ16 - Bayou Grand Liard	556.76	341.61	218.86	195.38	178.28	303.49	552.21	636.56	571.62	616.84	612.76	513.70
CRMS 3985	54.09	42.54	25.72	19.13	17.95	20.48	25.93	31.21	41.25	51.69	80.44	80.20
CRMS 0258	162.48	98.09	48.12	37.49	27.20	38.99	86.71	192.42	325.35	382.83	450.03	239.11
CRMS 0224	183.61	94.62	35.86	32.36	24.82	47.76	146.62	270.44	334.88	360.39	432.72	259.05
CRMS 0163	126.96	43.45	20.07	38.32	19.19	70.30	104.22	217.75	474.47	499.88	148.56	78.75
CRMS 0162	263.25	178.22	148.14	169.26	148.39	238.49	205.05	364.00	641.41	645.14	433.18	311.74

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-160.86	-179.04	-113.58	-65.73	-59.65	-55.53	-81.89	-113.81	-179.13	-161.56	-209.90	-207.10
CRMS0276 - Just east of Wilkinson Canal	-0.09	38.82	26.57	17.62	23.40	21.97	7.03	36.13	64.95	73.67	59.47	50.80
Barataria Waterway at Lafitte (USACE82875)	27.80	14.24	2.96	8.23	8.59	5.32	22.44	59.10	233.83	188.78	53.83	18.59
USGS2928590900040000 Barataria Waterway South of Lafitte	-176.01	-183.85	-108.21	-51.34	-43.38	-41.26	-77.91	-102.46	-95.35	-97.95	-135.47	-198.39
USGS7380251 Barataria Bay North of Grand Isle	-82.15	-122.07	-99.66	-80.78	-77.45	-62.77	-48.67	-39.79	-43.95	-37.17	-37.57	-63.95
USGS73802515 Hackberry Bay Northwest of Grand Isle	-141.68	-164.14	-130.98	-91.25	-86.44	-55.43	-29.94	-28.03	-13.89	-25.97	-28.75	-89.12
USGS 07380335 - Little Lake Near Cutoff	-86.71	-122.61	-112.78	-83.48	-77.55	-45.92	-7.64	3.42	17.57	10.78	4.44	-42.84
USGS073802516 Barataria Pass at Grand Isle	-108.08	-142.84	-135.94	-102.47	-94.94	-52.69	-16.97	-8.63	-11.40	-14.64	-22.84	-50.22
HWQ14 - Lake Washington	-107.52	-142.64	-117.53	-97.66	-97.68	-73.73	-47.32	-45.81	-38.89	-34.19	-39.76	-62.92
HWQ16 - Bayou Grand Liard	-12.38	-37.49	-56.61	-49.52	-26.93	-2.13	20.83	27.01	27.14	15.82	19.20	9.83
CRMS 3985	-47.40	-79.33	-81.55	-79.89	-76.49	-64.14	-45.30	-26.22	-24.14	-22.91	-23.53	-31.67
CRMS 0258	-100.76	-51.66	-32.92	-9.44	-7.07	-14.24	-40.10	-26.24	66.34	36.69	45.84	-31.09
CRMS 0224	-128.73	-108.93	-84.41	-42.14	-36.44	-32.33	-27.39	-17.16	32.96	9.51	9.22	-64.68
CRMS 0163	36.18	23.29	7.34	24.33	7.06	17.84	26.68	92.26	304.45	215.27	54.76	36.99
CRMS 0162	81.21	63.06	35.51	28.45	39.95	90.16	124.17	89.26	113.02	64.05	39.59	122.25

Figure WQ SO4 207 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	184.93	225.32	165.38	132.48	151.57	142.60	128.28	156.33	246.46	224.94	226.36	201.52
CRMS0276 - Just east of Wilkinson Canal	404.36	222.19	227.16	163.18	181.44	244.79	357.03	478.34	473.59	450.14	331.36	284.95
Barataria Waterway at Lafitte (USACE82875)	218.06	61.30	47.81	57.67	71.00	48.07	169.82	285.69	415.95	158.66	121.07	72.46
USGS2928590900040000 Barataria Waterway South of Lafitte	224.24	246.10	198.34	128.37	152.99	141.75	149.29	196.85	344.49	305.14	284.35	239.75
USGS7380251 Barataria Bay North of Grand Isle	144.94	173.35	118.26	121.09	136.68	132.18	93.52	99.35	120.17	132.77	165.22	149.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	372.31	307.70	233.45	190.82	205.64	203.41	259.73	400.39	355.86	369.64	385.35	305.27
USGS 07380335 - Little Lake Near Cutoff	461.21	333.80	279.88	222.10	236.13	224.47	356.74	518.72	448.56	459.15	436.26	353.63
USGS073802516 Barataria Pass at Grand Isle	423.43	356.61	266.07	244.22	271.57	280.39	359.49	500.67	395.86	404.53	405.09	352.52
HWQ14 - Lake Washington	232.31	241.64	154.01	161.16	196.95	188.55	164.66	249.48	206.95	209.68	249.76	224.16
HWQ16 - Bayou Grand Liard	627.09	465.65	437.13	377.29	382.83	421.87	610.76	695.09	611.69	613.04	553.80	501.84
CRMS 3985	99.15	123.86	85.41	101.05	119.31	117.79	70.63	61.49	74.20	88.65	112.11	108.71
CRMS 0258	310.46	214.65	223.68	124.83	144.57	156.99	189.64	276.90	369.45	383.14	334.94	247.57
CRMS 0224	350.20	268.45	241.71	158.16	179.14	175.23	232.17	362.17	400.33	403.12	382.68	293.95
CRMS 0163	160.28	63.49	41.99	95.10	45.77	90.45	152.03	255.08	436.79	166.35	58.54	65.18
CRMS 0162	321.60	240.71	337.41	318.86	291.44	324.50	313.83	459.25	666.53	505.04	306.77	228.36

V3PR3 HYST - cy 5 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	21.50	15.31	16.61	16.98	14.99	18.37	19.02	20.03	24.71	21.03	21.61	19.01
CRMS0276 - Just east of Wilkinson Canal	428.75	245.66	260.08	183.23	236.61	282.83	358.18	508.58	530.36	553.71	383.15	321.50
Barataria Waterway at Lafitte (USACE82875)	252.31	93.11	57.82	84.31	105.58	63.59	302.94	442.96	533.31	375.43	145.83	77.68
USGS2928590900040000 Barataria Waterway South of Lafitte	89.99	24.15	44.80	38.96	19.74	47.35	38.00	70.62	198.33	164.89	163.71	110.91
USGS7380251 Barataria Bay North of Grand Isle	101.91	81.13	61.37	54.78	58.26	72.77	54.06	60.02	71.56	83.32	125.55	106.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	326.04	184.19	148.05	123.00	109.56	159.29	210.69	356.83	319.62	325.43	362.40	268.46
USGS 07380335 - Little Lake Near Cutoff	449.88	258.19	222.28	169.22	159.06	192.89	337.85	511.54	441.74	462.71	447.37	344.09
USGS073802516 Barataria Pass at Grand Isle	393.76	267.59	194.74	181.27	196.26	248.42	325.02	476.14	367.87	379.62	387.24	328.58
HWQ14 - Lake Washington	186.60	140.93	89.57	92.88	118.44	127.05	106.94	188.16	159.79	160.43	209.82	181.59
HWQ16 - Bayou Grand Liard	646.69	453.55	426.63	364.13	381.10	434.11	623.19	708.45	621.39	632.16	575.23	511.91
CRMS 3985	75.54	77.13	52.07	49.30	61.02	65.19	43.62	40.23	50.52	60.50	85.93	82.51
CRMS 0258	287.34	164.53	199.64	122.35	134.38	141.03	130.69	233.75	435.31	431.71	376.39	258.20
CRMS 0224	325.78	177.18	178.93	127.76	123.23	149.09	190.33	330.53	407.44	399.94	399.70	289.87
CRMS 0163	211.60	121.90	66.02	151.08	93.90	129.83	328.67	484.94	581.74	417.19	81.78	95.87
CRMS 0162	422.21	364.75	367.12	414.91	387.40	439.40	527.75	580.76	684.05	619.09	359.62	361.81

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-163.43	-210.00	-148.78	-115.51	-136.58	-124.22	-109.26	-136.31	-221.75	-203.92	-204.74	-182.50
CRMS0276 - Just east of Wilkinson Canal	24.39	23.47	32.92	20.04	55.17	38.04	1.15	30.23	56.77	103.57	51.78	36.55
Barataria Waterway at Lafitte (USACE82875)	34.26	31.81	10.00	26.65	34.58	15.52	133.12	157.27	117.36	216.77	24.77	5.22
USGS2928590900040000 Barataria Waterway South of Lafitte	-134.25	-221.95	-153.54	-89.41	-133.25	-94.40	-111.30	-126.23	-146.16	-140.25	-120.64	-128.85
USGS7380251 Barataria Bay North of Grand Isle	-43.03	-92.22	-56.90	-66.31	-78.42	-59.41	-39.46	-39.33	-48.61	-49.45	-39.67	-42.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	-46.27	-123.51	-85.40	-67.81	-96.08	-44.12	-49.04	-43.56	-36.24	-44.21	-22.95	-36.81
USGS 07380335 - Little Lake Near Cutoff	-11.32	-75.61	-57.60	-52.88	-77.07	-31.59	-18.90	-7.18	-6.82	3.56	11.10	-9.53
USGS073802516 Barataria Pass at Grand Isle	-29.67	-89.02	-71.33	-62.94	-75.32	-31.97	-34.47	-24.53	-27.99	-24.91	-17.84	-23.94
HWQ14 - Lake Washington	-45.71	-100.70	-64.43	-68.28	-78.51	-61.50	-57.72	-61.32	-47.16	-49.25	-39.94	-42.56
HWQ16 - Bayou Grand Liard	19.60	-12.10	-10.50	-13.15	-1.73	12.24	12.43	13.36	9.70	19.12	21.43	10.07
CRMS 3985	-23.61	-46.73	-33.34	-51.75	-58.29	-52.60	-27.01	-21.27	-23.67	-28.15	-26.17	-26.20
CRMS 0258	-23.12	-50.12	-24.04	-2.48	-10.20	-15.97	-58.95	-43.15	65.86	48.58	41.44	10.64
CRMS 0224	-24.42	-91.27	-62.78	-30.40	-55.91	-26.14	-41.85	-31.64	7.11	-3.18	17.02	-4.08
CRMS 0163	51.32	58.41	24.03	55.98	48.13	39.39	176.64	229.87	144.95	250.84	23.24	30.69
CRMS 0162	100.61	124.04	29.71	96.05	95.96	114.90	213.92	121.51	17.52	114.04	52.85	133.45

Figure WQ SO4 208 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	187.69	187.65	121.79	93.42	103.22	95.15	86.74	92.27	133.92	129.77	190.82	216.75
CRMS0276 - Just east of Wilkinson Canal	342.83	94.90	89.59	70.72	96.64	77.01	160.55	231.56	250.96	349.00	385.48	358.76
Barataria Waterway at Lafitte (USACE82875)	119.98	14.75	17.25	24.03	39.19	14.42	27.87	54.43	79.51	132.73	179.54	94.92
USGS2928590900040000 Barataria Waterway South of Lafitte	232.33	185.06	113.92	79.61	95.85	79.29	97.22	113.50	167.67	170.70	251.96	279.41
USGS7380251 Barataria Bay North of Grand Isle	146.18	162.18	123.02	109.64	112.33	106.64	72.37	64.77	72.38	79.10	129.43	144.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	359.21	243.00	161.52	137.52	153.22	139.30	156.09	229.47	194.38	239.60	349.14	343.08
USGS 07380335 - Little Lake Near Cutoff	429.02	248.28	174.86	147.38	170.65	137.19	195.50	297.81	259.98	326.50	417.88	402.70
USGS073802516 Barataria Pass at Grand Isle	406.97	288.37	198.35	180.84	210.35	188.05	222.78	311.71	237.65	283.39	367.18	384.75
HWQ14 - Lake Washington	232.93	215.24	149.35	140.99	163.49	148.70	115.75	148.80	122.71	125.56	199.85	228.06
HWQ16 - Bayou Grand Liard	579.83	346.81	308.92	275.72	293.78	270.63	417.46	493.89	455.89	537.47	567.75	550.22
CRMS 3985	100.32	127.25	114.60	109.02	108.93	101.61	59.01	45.21	48.54	55.11	82.24	96.73
CRMS 0258	306.00	123.42	82.24	60.54	81.47	53.86	97.88	139.69	151.67	239.60	347.98	332.89
CRMS 0224	344.14	179.71	121.16	92.41	114.17	91.77	133.00	198.59	192.93	254.21	364.07	360.93
CRMS 0163	58.71	14.25	20.35	46.74	20.65	21.10	31.15	58.83	70.22	142.54	110.66	87.72
CRMS 0162	122.35	90.52	173.02	177.19	181.62	82.64	18.91	111.08	321.25	410.88	426.61	346.28

V3PR3 HYST - cy 5 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.69	10.96	12.39	11.77	12.06	12.45	13.16	15.02	19.15	19.08	23.17	20.31
CRMS0276 - Just east of Wilkinson Canal	335.23	131.33	103.79	91.37	134.74	95.30	132.83	210.10	288.04	426.12	440.15	423.85
Barataria Waterway at Lafitte (USACE82875)	178.46	23.01	21.31	38.24	67.54	18.64	47.49	79.59	203.07	268.01	226.20	175.30
USGS2928590900040000 Barataria Waterway South of Lafitte	16.17	11.20	12.55	11.98	12.34	12.35	13.02	29.39	104.22	112.44	151.39	128.35
USGS7380251 Barataria Bay North of Grand Isle	59.88	31.32	22.22	18.47	20.37	21.04	18.13	26.58	37.62	50.03	104.32	106.90
USGS73802515 Hackberry Bay Northwest of Grand Isle	185.04	74.15	35.82	34.59	42.35	39.95	49.12	137.96	172.63	222.64	336.14	306.38
USGS 07380335 - Little Lake Near Cutoff	314.43	123.27	66.00	56.49	69.16	52.91	99.84	240.29	262.40	340.23	431.11	398.18
USGS073802516 Barataria Pass at Grand Isle	275.19	136.35	67.06	70.66	97.43	91.89	125.70	245.02	215.05	274.07	357.66	364.87
HWQ14 - Lake Washington	119.60	61.16	31.67	34.00	51.42	43.05	35.20	77.81	85.43	98.58	176.38	189.61
HWQ16 - Bayou Grand Liard	554.97	303.79	250.94	223.56	256.98	246.42	409.58	506.97	472.86	553.72	586.20	567.24
CRMS 3985	59.58	39.07	26.86	21.86	23.38	23.46	19.31	21.23	27.85	35.92	66.06	76.71
CRMS 0258	157.60	82.49	50.20	49.66	67.85	27.09	17.88	63.69	168.84	279.76	398.61	349.00
CRMS 0224	172.70	79.47	42.17	43.89	56.01	30.62	32.04	112.90	197.52	271.77	386.63	354.41
CRMS 0163	117.13	28.76	30.44	76.99	37.21	35.18	52.95	83.17	239.72	326.37	164.74	205.12
CRMS 0162	183.62	123.26	206.51	226.06	223.74	124.18	60.22	192.03	480.15	528.20	441.32	432.39

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-174.99	-176.68	-109.40	-81.65	-91.15	-82.71	-73.58	-77.25	-114.77	-110.69	-167.65	-196.44
CRMS0276 - Just east of Wilkinson Canal	-7.60	36.43	14.20	20.65	38.10	18.29	-27.73	-21.46	37.07	77.12	54.67	65.09
Barataria Waterway at Lafitte (USACE82875)	58.48	8.25	4.06	14.21	28.35	4.22	19.62	25.15	123.56	135.27	46.65	80.38
USGS2928590900040000 Barataria Waterway South of Lafitte	-216.16	-173.86	-101.37	-67.62	-83.51	-66.93	-84.20	-84.11	-63.45	-58.26	-100.57	-151.07
USGS7380251 Barataria Bay North of Grand Isle	-86.30	-130.86	-100.79	-91.17	-91.96	-85.60	-54.24	-38.18	-34.76	-29.07	-25.11	-37.53
USGS73802515 Hackberry Bay Northwest of Grand Isle	-174.17	-168.85	-125.69	-102.93	-110.87	-99.35	-106.97	-91.51	-21.75	-16.96	-13.00	-36.70
USGS 07380335 - Little Lake Near Cutoff	-114.59	-125.01	-108.86	-90.89	-101.50	-84.28	-95.66	-57.52	2.42	13.73	13.23	-4.51
USGS073802516 Barataria Pass at Grand Isle	-131.78	-152.02	-131.29	-110.18	-112.91	-96.16	-97.08	-66.69	-22.60	-9.31	-9.53	-19.88
HWQ14 - Lake Washington	-113.33	-154.08	-117.68	-106.99	-112.07	-105.65	-80.55	-70.99	-37.28	-26.98	-23.47	-38.46
HWQ16 - Bayou Grand Liard	-24.86	-43.02	-57.98	-52.16	-36.80	-24.21	-7.87	13.08	16.98	16.25	18.45	17.02
CRMS 3985	-40.75	-88.18	-87.73	-87.16	-85.54	-78.14	-39.70	-23.97	-20.69	-19.19	-16.17	-20.03
CRMS 0258	-148.40	-40.93	-32.04	-10.88	-13.62	-26.77	-80.00	-76.00	17.17	40.17	50.63	16.12
CRMS 0224	-171.44	-100.23	-78.99	-48.52	-58.16	-61.15	-100.95	-85.69	4.59	17.56	22.56	-6.52
CRMS 0163	58.42	14.50	10.08	30.25	16.56	14.08	21.80	24.34	169.50	183.82	54.08	117.40
CRMS 0162	61.27	32.73	33.49	48.87	42.12	41.54	41.32	80.95	158.91	117.32	14.71	86.11

Figure WQ SO4 209 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.83	223.79	174.63	94.78	81.37	70.62	70.65	84.01	143.46	134.98	204.05	205.38
CRMS0276 - Just east of Wilkinson Canal	288.11	327.71	165.31	66.03	41.93	34.13	124.67	244.44	274.53	386.09	404.15	193.99
Barataria Waterway at Lafitte (USACE82875)	137.91	123.91	26.04	15.13	15.39	11.75	25.84	66.29	94.97	164.74	185.36	27.15
USGS2928590900040000 Barataria Waterway South of Lafitte	180.82	263.18	216.76	77.81	64.23	55.14	76.75	104.57	183.32	178.08	271.65	251.22
USGS7380251 Barataria Bay North of Grand Isle	129.56	161.20	121.64	108.51	101.68	88.49	61.82	58.04	73.45	81.12	137.92	144.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	306.39	315.68	242.71	141.49	125.80	103.72	123.74	223.76	205.37	250.08	373.61	307.91
USGS 07380335 - Little Lake Near Cutoff	375.77	362.19	276.58	151.23	129.75	94.96	155.71	303.34	276.99	342.34	442.43	337.97
USGS073802516 Barataria Pass at Grand Isle	354.73	361.99	268.76	185.86	172.80	136.88	180.75	308.65	249.31	297.32	387.42	344.16
HWQ14 - Lake Washington	201.46	224.79	162.19	144.06	147.52	118.88	93.85	135.56	125.79	130.26	214.40	225.95
HWQ16 - Bayou Grand Liard	546.81	515.43	388.39	270.92	214.14	193.80	376.29	512.59	471.95	556.32	582.62	447.75
CRMS 3985	91.41	111.67	86.49	102.01	100.91	88.51	52.02	40.52	47.37	55.75	86.78	100.41
CRMS 0258	218.24	288.76	223.31	56.87	40.98	33.48	71.41	131.87	169.59	256.41	381.09	231.89
CRMS 0224	272.84	312.50	254.42	90.21	70.62	62.67	101.82	192.53	209.02	267.29	394.55	291.88
CRMS 0163	110.74	128.28	21.11	18.69	12.71	13.83	28.62	70.95	84.95	189.10	103.43	20.90
CRMS 0162	261.41	421.07	188.50	150.40	97.09	44.54	18.49	137.30	383.95	499.53	422.51	105.67

V3PR3 HYST - cy 5 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.47	21.57	12.01	11.36	12.41	11.57	13.03	16.10	20.29	20.48	22.77	11.99
CRMS0276 - Just east of Wilkinson Canal	283.48	287.54	222.50	86.05	57.36	43.92	104.75	242.82	328.97	472.98	465.71	252.00
Barataria Waterway at Lafitte (USACE82875)	147.04	209.44	43.37	28.65	31.70	12.67	38.35	86.20	279.64	383.49	245.76	37.21
USGS2928590900040000 Barataria Waterway South of Lafitte	45.28	101.60	15.44	11.49	12.42	11.50	12.88	40.89	122.32	123.27	151.92	12.47
USGS7380251 Barataria Bay North of Grand Isle	48.62	106.47	43.20	20.11	18.57	17.51	15.48	31.08	42.84	56.07	109.30	56.26
USGS73802515 Hackberry Bay Northwest of Grand Isle	203.67	243.08	82.93	34.91	29.46	25.80	38.13	191.51	199.79	243.37	353.83	117.84
USGS 07380335 - Little Lake Near Cutoff	309.16	296.49	145.01	56.79	45.25	31.10	76.79	293.10	298.84	367.29	455.82	215.61
USGS073802516 Barataria Pass at Grand Isle	267.81	298.51	136.99	72.04	68.86	57.58	98.95	291.18	242.63	295.86	377.81	212.70
HWQ14 - Lake Washington	101.40	164.97	68.99	37.59	41.93	31.48	26.06	97.69	98.19	110.42	187.16	110.49
HWQ16 - Bayou Grand Liard	541.19	469.52	348.02	220.01	180.19	168.16	371.94	532.40	505.09	585.48	608.66	430.07
CRMS 3985	39.25	74.38	45.14	25.81	22.55	20.78	16.52	21.38	30.57	40.03	70.08	61.50
CRMS 0258	155.71	218.88	131.23	45.41	31.25	14.73	14.97	93.40	200.73	304.89	432.67	168.51
CRMS 0224	191.03	233.57	102.97	40.79	29.65	17.30	25.20	162.25	228.18	296.79	412.56	155.25
CRMS 0163	132.99	241.94	37.73	54.99	14.79	19.48	44.56	97.31	336.87	447.01	156.92	37.35
CRMS 0162	311.82	457.77	245.12	187.51	138.83	59.75	47.87	222.83	554.17	622.20	449.94	186.15

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-141.36	-202.21	-162.62	-83.42	-68.96	-59.06	-57.61	-67.91	-123.18	-114.49	-181.28	-193.38
CRMS0276 - Just east of Wilkinson Canal	-4.63	-40.17	57.19	20.03	15.43	9.79	-19.93	-1.62	54.44	86.89	61.56	58.00
Barataria Waterway at Lafitte (USACE82875)	9.13	85.53	17.33	13.52	16.30	0.92	12.51	19.91	184.67	218.75	60.41	10.06
USGS2928590900040000 Barataria Waterway South of Lafitte	-135.54	-161.59	-201.32	-66.33	-51.81	-43.64	-63.87	-63.68	-61.00	-54.80	-119.73	-238.75
USGS7380251 Barataria Bay North of Grand Isle	-80.94	-54.73	-78.43	-88.41	-83.12	-70.98	-46.34	-26.96	-30.60	-25.05	-28.62	-88.28
USGS73802515 Hackberry Bay Northwest of Grand Isle	-102.71	-72.60	-159.77	-106.58	-96.34	-77.92	-85.61	-32.25	-5.58	-6.71	-19.78	-190.08
USGS 07380335 - Little Lake Near Cutoff	-66.62	-65.70	-131.58	-94.44	-84.50	-63.86	-78.92	-10.24	21.85	24.95	13.40	-122.36
USGS073802516 Barataria Pass at Grand Isle	-86.92	-63.48	-131.78	-113.82	-103.94	-79.29	-81.80	-17.47	-6.69	-1.46	-9.62	-131.47
HWQ14 - Lake Washington	-100.06	-59.82	-93.21	-106.46	-105.59	-87.39	-67.79	-37.87	-27.61	-19.84	-27.25	-115.46
HWQ16 - Bayou Grand Liard	-5.62	-45.90	-40.37	-50.91	-33.95	-25.64	-4.35	19.81	33.14	29.16	26.04	-17.67
CRMS 3985	-52.16	-37.29	-41.35	-76.20	-78.36	-67.73	-35.50	-19.14	-16.80	-15.72	-16.70	-38.91
CRMS 0258	-62.54	-69.88	-92.07	-11.47	-9.72	-18.75	-56.44	-38.47	31.14	48.48	51.58	-63.39
CRMS 0224	-81.81	-78.92	-151.45	-49.42	-40.96	-45.37	-76.63	-30.28	19.15	29.50	18.02	-136.62
CRMS 0163	22.25	113.66	16.62	36.30	2.09	5.65	15.95	26.36	251.91	257.90	53.49	16.45
CRMS 0162	50.40	36.70	56.62	37.11	41.74	15.21	29.38	85.53	170.22	122.67	27.43	80.48

Figure WQ SO4 210 - Monthly Average SO4 (mg/L) for No Action and 50,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	196.53	217.75	145.98	80.05	64.60	66.19	81.93	107.49	139.49	110.25	180.27	217.31
CRMS0276 - Just east of Wilkinson Canal	380.72	213.17	84.79	36.56	32.84	55.15	110.61	232.16	230.89	289.79	393.01	413.33
Barataria Waterway at Lafitte (USACE82875)	171.61	47.49	13.66	12.35	11.64	12.28	19.26	52.81	58.84	108.88	188.98	140.55
USGS2928590900040000 Barataria Waterway South of Lafitte	243.90	234.62	154.23	61.86	47.83	53.77	85.47	125.95	165.53	133.63	239.35	282.60
USGS7380251 Barataria Bay North of Grand Isle	151.31	170.30	121.61	101.12	89.35	81.44	77.77	84.14	82.93	75.77	122.92	143.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	386.15	296.58	191.34	119.62	103.09	101.70	140.28	234.25	191.13	203.73	337.57	354.09
USGS 07380335 - Little Lake Near Cutoff	465.06	326.14	204.05	122.21	105.87	99.19	162.18	298.34	248.61	281.51	409.96	422.81
USGS073802516 Barataria Pass at Grand Isle	434.40	345.87	223.65	158.87	143.65	142.88	197.42	313.23	237.31	251.35	356.75	395.81
HWQ14 - Lake Washington	244.80	232.74	155.69	132.71	125.02	113.10	117.26	163.71	133.53	116.85	189.47	228.36
HWQ16 - Bayou Grand Liard	617.09	453.59	316.50	217.32	189.29	232.20	361.81	498.01	442.31	495.73	568.34	576.50
CRMS 3985	101.85	124.55	99.45	101.65	93.08	81.85	72.17	65.12	58.72	56.78	79.10	95.22
CRMS 0258	325.18	208.59	113.60	38.84	29.43	38.02	78.06	142.43	138.25	181.52	345.07	360.75
CRMS 0224	369.68	259.31	160.22	67.97	54.49	65.27	112.34	202.03	182.53	203.36	354.46	377.78
CRMS 0163	108.09	45.81	13.68	12.51	11.68	15.40	20.67	62.27	64.98	123.78	120.58	112.80
CRMS 0162	184.61	196.85	132.49	93.79	93.11	66.91	16.23	121.58	272.61	315.91	443.75	374.28

V3PR4 HYST - cy 5 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.69	15.89	11.24	11.84	11.10	11.47	12.12	15.49	16.13	17.49	25.50	22.94
CRMS0276 - Just east of Wilkinson Canal	347.06	231.47	105.52	45.62	45.78	60.32	71.71	196.76	263.39	347.31	435.02	317.39
Barataria Waterway at Lafitte (USACE82875)	176.77	58.51	17.48	14.80	14.12	14.59	27.48	70.16	158.71	204.44	228.11	142.18
USGS2928590900040000 Barataria Waterway South of Lafitte	40.39	51.06	11.22	11.81	11.11	11.38	11.89	24.78	62.84	50.10	176.14	140.43
USGS7380251 Barataria Bay North of Grand Isle	65.43	57.39	20.06	14.61	13.25	12.84	11.67	21.35	32.88	34.14	90.22	97.12
USGS73802515 Hackberry Bay Northwest of Grand Isle	199.08	141.35	20.90	17.00	14.74	16.21	17.57	118.98	142.57	138.21	314.08	272.67
USGS 07380335 - Little Lake Near Cutoff	337.63	199.51	40.33	25.03	20.12	21.26	37.63	221.24	230.10	250.62	413.98	351.76
USGS073802516 Barataria Pass at Grand Isle	287.20	210.93	46.72	33.14	32.01	38.82	52.99	224.79	199.47	211.15	339.16	329.39
HWQ14 - Lake Washington	122.94	104.15	29.56	20.99	21.51	18.76	14.59	65.69	80.98	71.37	159.30	174.43
HWQ16 - Bayou Grand Liard	565.94	395.77	216.14	137.78	130.16	172.28	310.30	490.50	451.82	509.86	581.72	509.33
CRMS 3985	57.48	52.40	27.97	18.17	15.54	13.96	11.92	15.85	26.10	30.60	57.43	70.78
CRMS 0258	189.85	131.86	45.57	24.61	16.81	15.92	11.97	56.76	143.39	170.72	390.82	289.75
CRMS 0224	202.26	132.99	29.32	21.25	15.29	15.71	14.42	97.60	166.92	159.69	372.43	311.03
CRMS 0163	133.24	77.84	22.72	20.48	16.16	24.61	32.35	86.11	174.86	260.69	164.35	157.32
CRMS 0162	283.50	302.86	178.52	123.63	143.68	97.91	28.97	199.65	454.30	461.06	437.92	344.74

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-179.84	-201.86	-134.74	-68.21	-53.50	-54.72	-69.81	-91.99	-123.36	-92.77	-154.77	-194.38
CRMS0276 - Just east of Wilkinson Canal	-33.66	18.30	20.73	9.06	12.94	5.17	-38.89	-35.40	32.50	57.53	42.01	-95.94
Barataria Waterway at Lafitte (USACE82875)	5.16	11.01	3.82	2.45	2.48	2.31	8.22	17.35	99.87	95.56	39.13	1.63
USGS2928590900040000 Barataria Waterway South of Lafitte	-203.51	-183.56	-143.01	-50.05	-36.71	-42.39	-73.58	-101.17	-102.68	-83.53	-63.20	-142.17
USGS7380251 Barataria Bay North of Grand Isle	-85.88	-112.90	-101.54	-86.51	-76.10	-68.60	-66.10	-62.79	-50.06	-41.63	-32.70	-46.79
USGS73802515 Hackberry Bay Northwest of Grand Isle	-187.07	-155.23	-170.44	-102.62	-88.34	-85.48	-122.71	-115.27	-48.57	-65.52	-23.49	-81.42
USGS 07380335 - Little Lake Near Cutoff	-127.43	-126.63	-163.72	-97.17	-85.75	-77.93	-124.56	-77.11	-18.51	-30.89	4.02	-71.05
USGS073802516 Barataria Pass at Grand Isle	-147.19	-134.94	-176.94	-125.73	-111.65	-104.06	-144.43	-88.44	-37.84	-40.21	-17.59	-66.42
HWQ14 - Lake Washington	-121.85	-128.59	-126.13	-111.72	-103.51	-94.34	-102.68	-98.02	-52.55	-45.48	-30.17	-53.93
HWQ16 - Bayou Grand Liard	-51.16	-57.81	-100.36	-79.54	-59.14	-59.92	-51.51	-7.51	9.50	14.13	13.39	-67.17
CRMS 3985	-44.37	-72.15	-71.48	-83.48	-77.54	-67.89	-60.24	-49.27	-32.63	-26.18	-21.67	-24.43
CRMS 0258	-135.34	-76.73	-68.03	-14.23	-12.61	-22.10	-66.09	-85.67	5.14	-10.80	45.75	-71.00
CRMS 0224	-167.43	-126.32	-130.90	-46.72	-39.20	-49.55	-97.91	-104.43	-15.61	-43.67	17.97	-66.75
CRMS 0163	25.15	32.03	9.04	7.98	4.48	9.21	11.68	23.84	109.88	136.90	43.78	44.53
CRMS 0162	98.89	106.01	46.03	29.84	50.57	31.00	12.74	78.08	181.70	145.15	-5.84	-29.54

Figure WQ SO4 211 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	176.97	190.53	124.43	76.66	70.63	70.90	98.27	131.86	201.89	183.32	233.35	223.13
CRMS0276 - Just east of Wilkinson Canal	319.30	130.49	63.23	52.56	38.13	118.86	265.37	358.52	368.89	459.40	406.69	279.86
Barataria Waterway at Lafitte (USACE82875)	139.94	20.49	12.18	13.02	11.89	28.18	78.71	138.88	167.99	249.92	179.95	54.42
USGS2928590900040000 Barataria Waterway South of Lafitte	210.22	195.90	119.14	62.35	54.37	59.46	108.32	163.25	265.98	248.23	305.23	273.18
USGS7380251 Barataria Bay North of Grand Isle	143.39	159.06	119.14	96.55	92.72	85.25	83.22	88.07	102.86	109.29	161.03	159.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	339.47	254.69	159.38	117.33	110.65	115.18	205.76	321.20	282.14	319.08	404.16	332.88
USGS 07380335 - Little Lake Near Cutoff	408.12	269.29	165.63	126.35	114.89	124.44	279.21	415.29	362.54	415.10	468.66	376.16
USGS073802516 Barataria Pass at Grand Isle	387.62	300.72	192.82	157.73	153.59	171.33	295.32	415.36	323.99	360.94	418.43	373.26
HWQ14 - Lake Washington	223.97	214.50	147.21	124.84	131.93	120.11	138.28	203.97	172.09	173.42	245.13	241.95
HWQ16 - Bayou Grand Liard	569.14	379.11	275.47	244.91	205.22	305.62	531.38	609.55	544.48	601.02	593.56	503.87
CRMS 3985	101.49	121.87	107.27	99.01	94.43	84.62	71.23	57.43	65.39	74.60	103.97	111.87
CRMS 0258	263.24	149.75	81.05	46.93	34.26	53.23	126.80	218.66	259.01	346.14	404.18	270.20
CRMS 0224	312.34	203.55	120.27	74.49	61.26	80.09	174.02	287.59	301.92	350.88	423.50	323.73
CRMS 0163	90.78	20.15	12.73	13.99	12.13	52.46	77.54	125.49	170.01	284.61	93.80	41.76
CRMS 0162	182.05	115.16	112.63	140.81	108.44	148.33	80.89	274.73	528.39	581.09	393.59	189.48

V3PR4 HYST - cy 5 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.19	11.47	10.85	10.93	10.99	15.31	16.46	18.82	22.72	24.19	26.00	16.68
CRMS0276 - Just east of Wilkinson Canal	307.50	152.52	78.94	63.95	55.85	127.55	265.12	386.85	428.29	532.49	461.66	313.24
Barataria Waterway at Lafitte (USACE82875)	160.78	34.19	14.88	21.60	20.79	34.09	90.64	182.75	401.82	428.63	220.26	70.47
USGS2928590900040000 Barataria Waterway South of Lafitte	32.22	11.59	10.84	10.93	10.95	16.88	28.75	64.33	179.53	165.10	214.58	86.08
USGS7380251 Barataria Bay North of Grand Isle	50.39	26.95	15.11	12.84	12.41	17.02	27.98	39.78	47.71	57.70	108.02	83.88
USGS73802515 Hackberry Bay Northwest of Grand Isle	152.33	50.92	15.81	15.82	15.03	49.01	159.85	275.21	258.68	277.38	365.61	208.59
USGS 07380335 - Little Lake Near Cutoff	283.77	98.65	27.36	24.86	21.46	69.27	260.11	409.97	370.97	419.14	468.31	304.56
USGS073802516 Barataria Pass at Grand Isle	241.38	111.80	32.14	31.69	34.44	102.70	264.45	392.80	304.44	339.29	388.48	296.96
HWQ14 - Lake Washington	93.55	49.58	20.26	18.08	21.49	34.58	79.87	145.00	122.77	126.52	194.28	162.24
HWQ16 - Bayou Grand Liard	540.94	303.33	175.63	155.63	144.80	289.42	542.14	628.69	568.99	619.50	608.81	496.41
CRMS 3985	45.74	33.06	19.91	14.94	13.87	15.32	20.57	23.48	30.07	38.40	68.53	71.28
CRMS 0258	141.57	74.13	30.98	27.52	19.99	31.90	84.87	193.48	319.67	385.48	455.46	213.89
CRMS 0224	150.26	64.42	20.74	21.96	17.46	40.74	143.47	265.97	325.57	356.05	435.25	229.43
CRMS 0163	123.68	43.72	20.14	37.25	17.78	74.46	95.44	209.45	481.02	493.04	144.94	80.20
CRMS 0162	267.61	181.35	140.69	162.79	148.36	246.64	205.43	366.43	631.25	640.84	432.92	328.36

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-160.77	-179.06	-113.58	-65.73	-59.65	-55.59	-81.81	-113.05	-179.16	-159.13	-207.35	-206.45
CRMS0276 - Just east of Wilkinson Canal	-11.81	22.03	15.71	11.39	17.73	8.70	-0.24	28.33	59.39	73.09	54.97	33.38
Barataria Waterway at Lafitte (USACE82875)	20.84	13.70	2.70	8.58	8.89	5.92	11.93	43.87	233.83	178.72	40.31	16.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-178.01	-184.32	-108.30	-51.42	-43.41	-42.57	-79.57	-98.92	-86.45	-83.13	-90.65	-187.10
USGS7380251 Barataria Bay North of Grand Isle	-93.00	-132.11	-104.03	-83.70	-80.31	-68.23	-55.24	-48.29	-55.15	-51.59	-53.01	-75.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	-187.14	-203.77	-143.57	-101.51	-95.62	-66.17	-45.90	-45.99	-23.45	-41.70	-38.55	-124.29
USGS 07380335 - Little Lake Near Cutoff	-124.36	-170.64	-138.26	-101.49	-93.44	-55.17	-19.10	-5.31	8.43	4.03	-0.35	-71.60
USGS073802516 Barataria Pass at Grand Isle	-146.24	-188.92	-160.68	-126.04	-119.15	-68.63	-30.87	-22.56	-19.55	-21.66	-29.95	-76.30
HWQ14 - Lake Washington	-130.41	-164.93	-126.96	-106.77	-110.44	-85.53	-58.41	-58.98	-49.33	-46.90	-50.85	-79.71
HWQ16 - Bayou Grand Liard	-28.20	-75.77	-99.84	-89.28	-60.41	-16.20	10.76	19.14	24.52	18.48	15.25	-7.46
CRMS 3985	-55.75	-88.82	-87.36	-84.07	-80.56	-69.30	-50.66	-33.95	-35.32	-36.20	-35.45	-40.58
CRMS 0258	-121.67	-75.61	-50.06	-19.41	-14.27	-21.33	-41.93	-25.18	60.65	39.34	51.28	-56.31
CRMS 0224	-162.08	-139.13	-99.53	-52.54	-43.80	-39.35	-30.55	-21.62	23.65	5.17	11.74	-94.30
CRMS 0163	32.90	23.56	7.40	23.26	5.65	22.00	17.90	83.96	311.01	208.43	51.15	38.43
CRMS 0162	85.57	66.20	28.06	21.98	39.92	98.31	124.54	91.70	102.86	59.76	39.33	138.88

Figure WQ SO4 212 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	184.93	225.32	165.38	132.48	151.57	142.60	128.28	156.33	246.46	224.94	226.36	201.52
CRMS0276 - Just east of Wilkinson Canal	404.36	222.19	227.16	163.18	181.44	244.79	357.03	478.34	473.59	450.14	331.36	284.95
Barataria Waterway at Lafitte (USACE82875)	218.06	61.30	47.81	57.67	71.00	48.07	169.82	285.69	415.95	158.66	121.07	72.46
USGS2928590900040000 Barataria Waterway South of Lafitte	224.24	246.10	198.34	128.37	152.99	141.75	149.29	196.85	344.49	305.14	284.35	239.75
USGS7380251 Barataria Bay North of Grand Isle	144.94	173.35	118.26	121.09	136.68	132.18	93.52	99.35	120.17	132.77	165.22	149.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	372.31	307.70	233.45	190.82	205.64	203.41	259.73	400.39	355.86	369.64	385.35	305.27
USGS 07380335 - Little Lake Near Cutoff	461.21	333.80	279.88	222.10	236.13	224.47	356.74	518.72	448.56	459.15	436.26	353.63
USGS073802516 Barataria Pass at Grand Isle	423.43	356.61	266.07	244.22	271.57	280.39	359.49	500.67	395.86	404.53	405.09	352.52
HWQ14 - Lake Washington	232.31	241.64	154.01	161.16	196.95	188.55	164.66	249.48	206.95	209.68	249.76	224.16
HWQ16 - Bayou Grand Liard	627.09	465.65	437.13	377.29	382.83	421.87	610.76	695.09	611.69	613.04	553.80	501.84
CRMS 3985	99.15	123.86	85.41	101.05	119.31	117.79	70.63	61.49	74.20	88.65	112.11	108.71
CRMS 0258	310.46	214.65	223.68	124.83	144.57	156.99	189.64	276.90	369.45	383.14	334.94	247.57
CRMS 0224	350.20	268.45	241.71	158.16	179.14	175.23	232.17	362.17	400.33	403.12	382.68	293.95
CRMS 0163	160.28	63.49	41.99	95.10	45.77	90.45	152.03	255.08	436.79	166.35	58.54	65.18
CRMS 0162	321.60	240.71	337.41	318.86	291.44	324.50	313.83	459.25	666.53	505.04	306.77	228.36

V3PR4 HYST - cy 5 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	22.75	15.49	17.44	17.36	14.96	18.82	19.31	21.37	24.98	23.49	24.35	20.99
CRMS0276 - Just east of Wilkinson Canal	421.25	236.35	250.76	166.86	225.62	268.07	350.17	504.90	527.62	547.64	371.50	309.99
Barataria Waterway at Lafitte (USACE82875)	238.63	86.59	52.73	74.05	100.35	62.98	293.94	431.80	529.92	358.79	133.35	69.63
USGS2928590900040000 Barataria Waterway South of Lafitte	96.90	22.53	51.70	37.53	19.07	46.57	35.85	74.10	214.73	179.90	199.83	124.16
USGS7380251 Barataria Bay North of Grand Isle	90.94	68.98	58.49	48.31	50.59	65.30	48.79	52.03	58.62	67.64	108.77	94.70
USGS73802515 Hackberry Bay Northwest of Grand Isle	304.11	143.85	137.32	104.78	85.64	146.55	190.97	334.68	308.21	306.73	349.79	254.29
USGS 07380335 - Little Lake Near Cutoff	436.60	224.36	213.61	147.45	133.58	183.31	325.68	500.73	435.12	452.38	436.84	333.94
USGS073802516 Barataria Pass at Grand Isle	378.52	232.04	189.45	159.38	171.27	233.62	308.18	463.95	358.38	368.52	374.47	315.13
HWQ14 - Lake Washington	173.34	120.52	88.23	82.66	104.58	114.21	95.23	173.68	148.25	145.65	195.92	167.45
HWQ16 - Bayou Grand Liard	638.74	433.92	420.07	346.45	363.23	429.58	614.88	704.25	620.39	630.45	564.21	504.88
CRMS 3985	68.00	68.89	52.41	45.49	54.85	59.02	40.05	33.09	38.72	46.30	71.46	72.44
CRMS 0258	287.60	144.77	189.63	106.22	113.86	130.25	129.07	235.74	428.30	427.76	374.63	250.00
CRMS 0224	319.61	150.43	169.86	110.84	101.56	142.07	185.66	326.00	400.32	391.65	398.01	282.12
CRMS 0163	201.10	118.65	64.58	133.33	82.16	131.28	318.34	482.01	576.77	408.29	80.44	89.96
CRMS 0162	424.62	369.14	393.33	422.40	387.25	439.61	537.09	584.41	697.95	628.62	362.27	367.02

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-162.18	-209.83	-147.95	-115.12	-136.61	-123.78	-108.96	-134.97	-221.48	-201.46	-202.00	-180.53
CRMS0276 - Just east of Wilkinson Canal	16.89	14.17	23.60	3.67	44.18	23.28	-6.86	26.56	54.04	97.50	40.14	25.04
Barataria Waterway at Lafitte (USACE82875)	20.58	25.29	4.91	16.38	29.35	14.91	124.12	146.11	113.97	200.13	12.28	-2.82
USGS2928590900040000 Barataria Waterway South of Lafitte	-127.34	-223.57	-146.63	-90.85	-133.92	-95.18	-113.44	-122.75	-129.75	-125.24	-84.51	-115.59
USGS7380251 Barataria Bay North of Grand Isle	-54.00	-104.37	-59.78	-72.78	-86.09	-66.88	-44.73	-47.33	-61.55	-65.13	-56.45	-54.37
USGS73802515 Hackberry Bay Northwest of Grand Isle	-68.20	-163.85	-96.13	-86.03	-120.00	-56.86	-68.76	-65.71	-47.65	-62.92	-35.55	-50.98
USGS 07380335 - Little Lake Near Cutoff	-24.60	-109.43	-66.26	-74.65	-102.55	-41.16	-31.06	-17.99	-13.43	-6.78	0.58	-19.69
USGS073802516 Barataria Pass at Grand Isle	-44.92	-124.57	-76.61	-84.83	-100.31	-46.76	-51.31	-36.72	-37.48	-36.01	-30.61	-37.39
HWQ14 - Lake Washington	-58.97	-121.12	-65.78	-78.50	-92.37	-74.34	-69.42	-75.80	-58.70	-64.02	-53.83	-56.71
HWQ16 - Bayou Grand Liard	11.65	-31.73	-17.06	-30.83	-19.60	7.71	4.12	9.16	8.70	17.41	10.41	3.04
CRMS 3985	-31.16	-54.96	-33.00	-55.56	-64.46	-58.76	-30.58	-28.41	-35.48	-42.35	-40.64	-36.26
CRMS 0258	-22.86	-69.88	-34.05	-18.60	-30.71	-26.74	-60.57	-41.16	58.85	44.63	39.69	2.43
CRMS 0224	-30.59	-118.02	-71.85	-47.32	-77.58	-33.16	-46.52	-36.17	-0.01	-11.47	15.33	-11.83
CRMS 0163	40.82	55.15	22.59	38.23	36.39	40.84	166.31	226.94	139.98	241.94	21.90	24.78
CRMS 0162	103.03	128.43	55.92	103.54	95.81	115.11	223.26	125.16	31.43	123.58	55.50	138.66

Figure WQ SO4 213 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	187.69	187.65	121.79	93.42	103.22	95.15	86.74	92.27	133.92	129.77	190.82	216.75
CRMS0276 - Just east of Wilkinson Canal	342.83	94.90	89.59	70.72	96.64	77.01	160.55	231.56	250.96	349.00	385.48	358.76
Barataria Waterway at Lafitte (USACE82875)	119.98	14.75	17.25	24.03	39.19	14.42	27.87	54.43	79.51	132.73	179.54	94.92
USGS2928590900040000 Barataria Waterway South of Lafitte	232.33	185.06	113.92	79.61	95.85	79.29	97.22	113.50	167.67	170.70	251.96	279.41
USGS7380251 Barataria Bay North of Grand Isle	146.18	162.18	123.02	109.64	112.33	106.64	72.37	64.77	72.38	79.10	129.43	144.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	359.21	243.00	161.52	137.52	153.22	139.30	156.09	229.47	194.38	239.60	349.14	343.08
USGS 07380335 - Little Lake Near Cutoff	429.02	248.28	174.86	147.38	170.65	137.19	195.50	297.81	259.98	326.50	417.88	402.70
USGS073802516 Barataria Pass at Grand Isle	406.97	288.37	198.35	180.84	210.35	188.05	222.78	311.71	237.65	283.39	367.18	384.75
HWQ14 - Lake Washington	232.93	215.24	149.35	140.99	163.49	148.70	115.75	148.80	122.71	125.56	199.85	228.06
HWQ16 - Bayou Grand Liard	579.83	346.81	308.92	275.72	293.78	270.63	417.46	493.89	455.89	537.47	567.75	550.22
CRMS 3985	100.32	127.25	114.60	109.02	108.93	101.61	59.01	45.21	48.54	55.11	82.24	96.73
CRMS 0258	306.00	123.42	82.24	60.54	81.47	53.86	97.88	139.69	151.67	239.60	347.98	332.89
CRMS 0224	344.14	179.71	121.16	92.41	114.17	91.77	133.00	198.59	192.93	254.21	364.07	360.93
CRMS 0163	58.71	14.25	20.35	46.74	20.65	21.10	31.15	58.83	70.22	142.54	110.66	87.72
CRMS 0162	122.35	90.52	173.02	177.19	181.62	82.64	18.91	111.08	321.25	410.88	426.61	346.28

V3PR4 HYST - cy 5 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.96	12.38	11.77	12.05	12.45	13.16	15.10	19.04	20.89	26.08	22.96
CRMS0276 - Just east of Wilkinson Canal	302.85	116.40	97.06	86.80	125.97	81.26	107.80	192.96	291.77	426.29	428.13	422.26
Barataria Waterway at Lafitte (USACE82875)	165.75	22.35	21.78	39.60	67.92	18.98	44.81	75.69	200.05	269.32	217.94	171.54
USGS2928590900040000 Barataria Waterway South of Lafitte	15.55	10.97	12.36	11.71	12.12	12.29	12.93	27.55	109.30	125.76	190.00	149.47
USGS7380251 Barataria Bay North of Grand Isle	50.36	21.96	17.76	14.66	16.03	16.12	14.60	22.23	37.33	50.74	99.69	101.69
USGS73802515 Hackberry Bay Northwest of Grand Isle	121.00	36.98	21.38	21.43	26.87	23.36	26.61	108.73	174.46	222.40	330.70	299.71
USGS 07380335 - Little Lake Near Cutoff	251.25	73.51	39.49	36.20	46.43	33.42	63.96	206.08	262.28	343.17	427.97	396.02
USGS073802516 Barataria Pass at Grand Isle	218.68	85.61	43.94	47.36	69.08	61.25	85.50	211.91	221.21	278.00	355.15	359.13
HWQ14 - Lake Washington	93.74	39.02	22.18	23.91	37.15	27.86	22.07	62.48	89.11	102.85	174.24	184.63
HWQ16 - Bayou Grand Liard	518.65	254.09	220.56	199.02	223.92	215.82	379.29	490.17	476.07	560.14	583.07	565.89
CRMS 3985	53.73	30.11	21.11	16.96	18.45	17.85	15.18	17.60	27.66	37.54	65.23	74.21
CRMS 0258	123.91	60.02	35.33	37.89	48.21	20.73	14.32	57.77	169.69	284.07	400.88	349.61
CRMS 0224	122.18	50.34	26.34	30.50	39.21	21.52	20.41	95.23	196.06	274.00	390.22	354.93
CRMS 0163	112.03	27.88	31.15	79.19	36.55	36.07	51.39	82.19	242.97	331.78	165.36	203.52
CRMS 0162	189.51	126.31	199.31	222.71	229.81	129.86	66.03	192.99	494.39	557.92	450.49	432.06

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-175.05	-176.69	-109.41	-81.66	-91.17	-82.71	-73.58	-77.18	-114.89	-108.88	-164.74	-193.79
CRMS0276 - Just east of Wilkinson Canal	-39.98	21.50	7.47	16.08	29.33	4.25	-52.75	-38.60	40.81	77.29	42.65	63.50
Barataria Waterway at Lafitte (USACE82875)	45.77	7.59	4.53	15.57	28.73	4.56	16.94	21.25	120.54	136.59	38.40	76.62
USGS2928590900040000 Barataria Waterway South of Lafitte	-216.78	-174.09	-101.55	-67.89	-83.72	-66.99	-84.30	-85.95	-58.37	-44.94	-61.97	-129.94
USGS7380251 Barataria Bay North of Grand Isle	-95.82	-140.22	-105.25	-94.98	-96.30	-90.53	-57.77	-42.54	-35.05	-28.36	-29.74	-42.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	-238.21	-206.02	-140.13	-116.09	-126.34	-115.94	-129.48	-120.74	-19.92	-17.20	-18.44	-43.36
USGS 07380335 - Little Lake Near Cutoff	-177.77	-174.77	-135.37	-111.19	-124.22	-103.77	-131.54	-91.74	2.30	16.67	10.09	-6.67
USGS073802516 Barataria Pass at Grand Isle	-188.29	-202.76	-154.41	-133.48	-141.27	-126.79	-137.28	-99.80	-16.44	-5.39	-12.03	-25.62
HWQ14 - Lake Washington	-139.19	-176.21	-127.17	-117.08	-126.34	-120.85	-93.68	-86.32	-33.60	-22.71	-25.61	-43.44
HWQ16 - Bayou Grand Liard	-61.17	-92.72	-88.36	-76.70	-69.86	-54.81	-38.17	-3.72	20.18	22.67	15.33	15.68
CRMS 3985	-46.60	-97.14	-93.49	-92.06	-90.48	-83.75	-43.83	-27.60	-20.88	-17.57	-17.01	-22.52
CRMS 0258	-182.09	-63.40	-46.91	-22.65	-33.25	-33.13	-83.56	-81.91	18.02	44.47	52.90	16.72
CRMS 0224	-221.96	-129.37	-94.82	-61.91	-74.96	-70.25	-112.58	-103.36	3.13	19.79	26.16	-6.00
CRMS 0163	53.32	13.63	10.80	32.45	15.90	14.97	20.23	23.36	172.75	189.23	54.70	115.80
CRMS 0162	67.16	35.79	26.30	45.52	48.18	47.22	47.12	81.90	173.15	147.04	23.88	85.78

Figure WQ SO4 214 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.83	223.79	174.63	94.78	81.37	70.62	70.65	84.01	143.46	134.98	204.05	205.38
CRMS0276 - Just east of Wilkinson Canal	288.11	327.71	165.31	66.03	41.93	34.13	124.67	244.44	274.53	386.09	404.15	193.99
Barataria Waterway at Lafitte (USACE82875)	137.91	123.91	26.04	15.13	15.39	11.75	25.84	66.29	94.97	164.74	185.36	27.15
USGS2928590900040000 Barataria Waterway South of Lafitte	180.82	263.18	216.76	77.81	64.23	55.14	76.75	104.57	183.32	178.08	271.65	251.22
USGS7380251 Barataria Bay North of Grand Isle	129.56	161.20	121.64	108.51	101.68	88.49	61.82	58.04	73.45	81.12	137.92	144.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	306.39	315.68	242.71	141.49	125.80	103.72	123.74	223.76	205.37	250.08	373.61	307.91
USGS 07380335 - Little Lake Near Cutoff	375.77	362.19	276.58	151.23	129.75	94.96	155.71	303.34	276.99	342.34	442.43	337.97
USGS073802516 Barataria Pass at Grand Isle	354.73	361.99	268.76	185.86	172.80	136.88	180.75	308.65	249.31	297.32	387.42	344.16
HWQ14 - Lake Washington	201.46	224.79	162.19	144.06	147.52	118.88	93.85	135.56	125.79	130.26	214.40	225.95
HWQ16 - Bayou Grand Liard	546.81	515.43	388.39	270.92	214.14	193.80	376.29	512.59	471.95	556.32	582.62	447.75
CRMS 3985	91.41	111.67	86.49	102.01	100.91	88.51	52.02	40.52	47.37	55.75	86.78	100.41
CRMS 0258	218.24	288.76	223.31	56.87	40.98	33.48	71.41	131.87	169.59	256.41	381.09	231.89
CRMS 0224	272.84	312.50	254.42	90.21	70.62	62.67	101.82	192.53	209.02	267.29	394.55	291.88
CRMS 0163	110.74	128.28	21.11	18.69	12.71	13.83	28.62	70.95	84.95	189.10	103.43	20.90
CRMS 0162	261.41	421.07	188.50	150.40	97.09	44.54	18.49	137.30	383.95	499.53	422.51	105.67

V3PR4 HYST - cy 5 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.61	24.43	11.98	11.36	12.41	11.57	13.04	16.20	19.81	21.62	25.39	11.92
CRMS0276 - Just east of Wilkinson Canal	270.09	271.59	209.97	79.01	51.27	38.02	83.74	235.38	323.08	456.62	448.13	235.77
Barataria Waterway at Lafitte (USACE82875)	139.91	186.47	39.35	30.11	34.00	12.76	36.39	76.92	273.52	338.41	222.83	36.10
USGS2928590900040000 Barataria Waterway South of Lafitte	41.14	113.20	16.57	11.34	12.38	11.49	12.78	41.14	127.40	130.59	185.82	12.43
USGS7380251 Barataria Bay North of Grand Isle	41.38	98.37	37.13	16.34	15.06	13.64	12.84	26.78	39.62	49.84	102.45	48.23
USGS73802515 Hackberry Bay Northwest of Grand Isle	175.63	236.09	54.98	20.76	18.23	15.75	22.27	178.49	195.95	226.88	342.60	69.36
USGS 07380335 - Little Lake Near Cutoff	281.48	290.35	103.60	34.52	26.90	19.39	49.95	283.00	291.34	353.25	444.37	155.49
USGS073802516 Barataria Pass at Grand Isle	240.37	292.39	103.09	46.46	41.23	35.20	67.14	281.83	240.05	285.22	366.89	157.44
HWQ14 - Lake Washington	86.12	159.55	57.95	26.39	27.77	19.77	16.97	90.07	95.46	103.17	181.65	89.77
HWQ16 - Bayou Grand Liard	524.22	463.78	308.97	189.91	147.07	146.25	339.88	530.62	500.26	568.74	594.85	394.15
CRMS 3985	35.50	69.26	40.88	21.14	17.87	15.73	13.19	18.12	28.59	36.78	67.52	56.50
CRMS 0258	139.68	211.63	101.29	33.59	23.24	13.01	13.15	90.98	199.11	300.76	426.06	135.75
CRMS 0224	172.01	230.74	74.62	27.04	20.69	13.58	17.60	156.17	223.96	286.58	408.23	113.88
CRMS 0163	129.51	221.65	37.10	56.41	14.77	20.49	43.02	91.73	327.94	403.11	149.92	36.92
CRMS 0162	325.10	448.92	239.71	191.48	141.79	62.98	47.52	221.97	541.38	577.53	440.34	196.97

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-141.22	-199.36	-162.66	-83.42	-68.96	-59.05	-57.61	-67.81	-123.65	-113.36	-178.66	-193.45
CRMS0276 - Just east of Wilkinson Canal	-18.01	-56.12	44.66	12.98	9.34	3.89	-40.94	-9.06	48.56	70.53	43.98	41.78
Barataria Waterway at Lafitte (USACE82875)	2.00	62.56	13.31	14.99	18.61	1.02	10.55	10.63	178.55	173.68	37.47	8.96
USGS2928590900040000 Barataria Waterway South of Lafitte	-139.68	-149.98	-200.19	-66.47	-51.85	-43.66	-63.97	-63.42	-55.91	-47.49	-85.83	-238.80
USGS7380251 Barataria Bay North of Grand Isle	-88.17	-62.83	-84.51	-92.17	-86.62	-74.85	-48.98	-31.26	-33.83	-31.28	-35.47	-96.32
USGS73802515 Hackberry Bay Northwest of Grand Isle	-130.76	-79.59	-187.72	-120.74	-107.57	-87.96	-101.47	-45.26	-9.42	-23.20	-31.01	-238.55
USGS 07380335 - Little Lake Near Cutoff	-94.29	-71.84	-172.98	-116.71	-102.86	-75.57	-105.76	-20.34	14.34	10.91	1.94	-182.48
USGS073802516 Barataria Pass at Grand Isle	-114.36	-69.60	-165.67	-139.40	-131.57	-101.68	-113.62	-26.82	-9.26	-12.10	-20.53	-186.72
HWQ14 - Lake Washington	-115.33	-65.24	-104.24	-117.67	-119.75	-99.11	-76.88	-45.49	-30.34	-27.08	-32.75	-136.19
HWQ16 - Bayou Grand Liard	-22.59	-51.65	-79.42	-81.01	-67.07	-47.54	-36.41	18.03	28.31	12.42	12.22	-53.59
CRMS 3985	-55.91	-42.41	-45.61	-80.87	-83.03	-72.78	-38.83	-22.40	-18.78	-18.97	-19.27	-43.90
CRMS 0258	-78.56	-77.13	-122.02	-23.28	-17.74	-20.47	-58.26	-40.89	29.52	44.35	44.97	-96.14
CRMS 0224	-100.83	-81.76	-179.79	-63.17	-49.92	-49.08	-84.22	-36.36	14.94	19.29	13.69	-177.99
CRMS 0163	18.77	93.37	15.99	37.72	2.06	6.66	14.40	20.78	242.99	214.00	46.50	16.02
CRMS 0162	63.68	27.85	51.20	41.07	44.70	18.44	29.03	84.67	157.43	78.00	17.83	91.30

Figure WQ SO4 215 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	196.53	217.75	145.98	80.05	64.60	66.19	81.93	107.49	139.49	110.25	180.27	217.31
CRMS0276 - Just east of Wilkinson Canal	380.72	213.17	84.79	36.56	32.84	55.15	110.61	232.16	230.89	289.79	393.01	413.33
Barataria Waterway at Lafitte (USACE82875)	171.61	47.49	13.66	12.35	11.64	12.28	19.26	52.81	58.84	108.88	188.98	140.55
USGS2928590900040000 Barataria Waterway South of Lafitte	243.90	234.62	154.23	61.86	47.83	53.77	85.47	125.95	165.53	133.63	239.35	282.60
USGS7380251 Barataria Bay North of Grand Isle	151.31	170.30	121.61	101.12	89.35	81.44	77.77	84.14	82.93	75.77	122.92	143.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	386.15	296.58	191.34	119.62	103.09	101.70	140.28	234.25	191.13	203.73	337.57	354.09
USGS 07380335 - Little Lake Near Cutoff	465.06	326.14	204.05	122.21	105.87	99.19	162.18	298.34	248.61	281.51	409.96	422.81
USGS073802516 Barataria Pass at Grand Isle	434.40	345.87	223.65	158.87	143.65	142.88	197.42	313.23	237.31	251.35	356.75	395.81
HWQ14 - Lake Washington	244.80	232.74	155.69	132.71	125.02	113.10	117.26	163.71	133.53	116.85	189.47	228.36
HWQ16 - Bayou Grand Liard	617.09	453.59	316.50	217.32	189.29	232.20	361.81	498.01	442.31	495.73	568.34	576.50
CRMS 3985	101.85	124.55	99.45	101.65	93.08	81.85	72.17	65.12	58.72	56.78	79.10	95.22
CRMS 0258	325.18	208.59	113.60	38.84	29.43	38.02	78.06	142.43	138.25	181.52	345.07	360.75
CRMS 0224	369.68	259.31	160.22	67.97	54.49	65.27	112.34	202.03	182.53	203.36	354.46	377.78
CRMS 0163	108.09	45.81	13.68	12.51	11.68	15.40	20.67	62.27	64.98	123.78	120.58	112.80
CRMS 0162	184.61	196.85	132.49	93.79	93.11	66.91	16.23	121.58	272.61	315.91	443.75	374.28

V3PR5 HYST - cy 5 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.91	15.02	11.24	11.83	11.10	11.47	12.12	15.39	15.74	17.06	23.50	20.87
CRMS0276 - Just east of Wilkinson Canal	354.82	233.98	108.28	45.16	47.15	63.93	74.86	191.15	260.27	337.42	422.08	320.30
Barataria Waterway at Lafitte (USACE82875)	181.94	59.68	17.69	15.12	14.03	14.98	28.61	66.34	155.42	186.45	222.43	146.09
USGS2928590900040000 Barataria Waterway South of Lafitte	45.11	55.03	11.25	11.82	11.11	11.40	11.94	26.72	71.24	51.11	175.40	144.87
USGS7380251 Barataria Bay North of Grand Isle	58.13	51.99	16.31	13.31	12.32	11.93	11.32	19.17	29.54	30.10	87.11	93.10
USGS73802515 Hackberry Bay Northwest of Grand Isle	206.00	146.51	21.65	16.76	14.76	16.06	17.07	116.07	142.24	136.45	308.35	272.79
USGS 07380335 - Little Lake Near Cutoff	345.05	205.26	42.06	24.73	20.37	21.24	37.70	215.91	228.15	246.14	405.06	350.16
USGS073802516 Barataria Pass at Grand Isle	287.63	211.14	45.06	30.50	31.35	37.21	50.42	215.69	193.67	204.79	331.95	325.70
HWQ14 - Lake Washington	116.20	99.33	25.50	18.63	19.59	16.53	12.88	57.84	75.71	65.26	154.75	170.00
HWQ16 - Bayou Grand Liard	571.00	401.57	215.21	136.24	132.38	178.04	311.55	478.94	446.77	501.50	571.26	507.92
CRMS 3985	53.38	47.22	22.74	15.77	13.97	12.61	11.19	14.45	23.80	27.20	55.16	68.12
CRMS 0258	205.30	142.51	51.16	25.38	17.76	16.40	12.14	57.91	143.56	174.17	380.10	291.65
CRMS 0224	218.65	143.84	33.43	22.38	16.09	16.24	14.67	98.81	169.20	164.09	366.73	314.30
CRMS 0163	135.50	77.56	22.32	20.73	15.22	24.43	33.71	80.92	172.85	242.42	162.64	160.89
CRMS 0162	285.50	298.89	165.38	124.14	132.04	101.39	31.70	197.93	444.51	435.62	431.93	347.00

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-180.61	-202.73	-134.75	-68.22	-53.50	-54.72	-69.81	-92.09	-123.75	-93.19	-156.77	-196.44
CRMS0276 - Just east of Wilkinson Canal	-25.91	20.82	23.48	8.60	14.31	8.78	-35.74	-41.00	29.38	47.64	29.07	-93.03
Barataria Waterway at Lafitte (USACE82875)	10.32	12.19	4.03	2.77	2.40	2.70	9.36	13.53	96.58	77.58	33.45	5.54
USGS2928590900040000 Barataria Waterway South of Lafitte	-198.78	-179.60	-142.98	-50.04	-36.72	-42.37	-73.53	-99.24	-94.29	-82.52	-63.95	-137.73
USGS7380251 Barataria Bay North of Grand Isle	-93.18	-118.31	-105.30	-87.81	-77.03	-69.51	-66.45	-64.97	-53.40	-45.67	-35.81	-50.82
USGS73802515 Hackberry Bay Northwest of Grand Isle	-180.15	-150.07	-169.69	-102.86	-88.32	-85.64	-123.21	-118.18	-48.89	-67.27	-29.22	-81.30
USGS 07380335 - Little Lake Near Cutoff	-120.00	-120.88	-161.98	-97.48	-85.49	-77.95	-124.48	-82.43	-20.46	-35.38	-4.89	-72.65
USGS073802516 Barataria Pass at Grand Isle	-146.77	-134.73	-178.59	-128.36	-112.31	-105.67	-147.00	-97.54	-43.64	-46.57	-24.79	-70.11
HWQ14 - Lake Washington	-128.59	-133.41	-130.19	-114.08	-105.43	-96.57	-104.38	-105.87	-57.82	-51.60	-34.71	-58.36
HWQ16 - Bayou Grand Liard	-46.10	-52.02	-101.29	-81.09	-56.91	-54.16	-50.26	-19.07	4.46	5.77	2.92	-68.58
CRMS 3985	-48.47	-77.34	-76.70	-85.89	-79.12	-69.24	-60.97	-50.67	-34.92	-29.58	-23.95	-27.10
CRMS 0258	-119.88	-66.07	-62.45	-13.46	-11.67	-21.62	-65.92	-84.51	5.31	-7.35	35.03	-69.10
CRMS 0224	-151.04	-115.48	-126.79	-45.59	-38.40	-49.03	-97.66	-103.22	-13.33	-39.27	12.26	-63.48
CRMS 0163	27.41	31.75	8.64	8.22	3.54	9.03	13.04	18.66	107.87	118.64	42.06	48.10
CRMS 0162	100.89	102.04	32.89	30.35	38.93	34.48	15.47	76.35	171.90	119.71	-11.83	-27.28

Figure WQ SO4 216 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	176.97	190.53	124.43	76.66	70.63	70.90	98.27	131.86	201.89	183.32	233.35	223.13
CRMS0276 - Just east of Wilkinson Canal	319.30	130.49	63.23	52.56	38.13	118.86	265.37	358.52	368.89	459.40	406.69	279.86
Barataria Waterway at Lafitte (USACE82875)	139.94	20.49	12.18	13.02	11.89	28.18	78.71	138.88	167.99	249.92	179.95	54.42
USGS2928590900040000 Barataria Waterway South of Lafitte	210.22	195.90	119.14	62.35	54.37	59.46	108.32	163.25	265.98	248.23	305.23	273.18
USGS7380251 Barataria Bay North of Grand Isle	143.39	159.06	119.14	96.55	92.72	85.25	83.22	88.07	102.86	109.29	161.03	159.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	339.47	254.69	159.38	117.33	110.65	115.18	205.76	321.20	282.14	319.08	404.16	332.88
USGS 07380335 - Little Lake Near Cutoff	408.12	269.29	165.63	126.35	114.89	124.44	279.21	415.29	362.54	415.10	468.66	376.16
USGS073802516 Barataria Pass at Grand Isle	387.62	300.72	192.82	157.73	153.59	171.33	295.32	415.36	323.99	360.94	418.43	373.26
HWQ14 - Lake Washington	223.97	214.50	147.21	124.84	131.93	120.11	138.28	203.97	172.09	173.42	245.13	241.95
HWQ16 - Bayou Grand Liard	569.14	379.11	275.47	244.91	205.22	305.62	531.38	609.55	544.48	601.02	593.56	503.87
CRMS 3985	101.49	121.87	107.27	99.01	94.43	84.62	71.23	57.43	65.39	74.60	103.97	111.87
CRMS 0258	263.24	149.75	81.05	46.93	34.26	53.23	126.80	218.66	259.01	346.14	404.18	270.20
CRMS 0224	312.34	203.55	120.27	74.49	61.26	80.09	174.02	287.59	301.92	350.88	423.50	323.73
CRMS 0163	90.78	20.15	12.73	13.99	12.13	52.46	77.54	125.49	170.01	284.61	93.80	41.76
CRMS 0162	182.05	115.16	112.63	140.81	108.44	148.33	80.89	274.73	528.39	581.09	393.59	189.48

V3PR5 HYST - cy 5 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.62	11.45	10.85	10.93	10.99	15.25	16.14	18.28	22.54	22.93	23.57	15.61
CRMS0276 - Just east of Wilkinson Canal	309.69	154.88	81.24	68.68	57.43	129.30	265.75	388.12	437.58	538.82	459.43	312.82
Barataria Waterway at Lafitte (USACE82875)	162.01	34.68	14.77	22.93	21.00	32.19	92.21	184.91	411.77	438.16	219.43	70.69
USGS2928590900040000 Barataria Waterway South of Lafitte	35.11	11.72	10.86	10.94	10.96	17.18	32.59	71.89	204.33	184.27	217.39	87.32
USGS7380251 Barataria Bay North of Grand Isle	42.69	21.15	13.05	11.92	11.72	15.94	26.39	36.80	44.57	54.79	106.72	75.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	154.83	55.38	15.99	16.31	15.13	48.25	161.27	276.22	261.90	282.15	368.70	213.64
USGS 07380335 - Little Lake Near Cutoff	286.70	102.99	27.53	26.09	21.70	67.90	261.96	410.35	375.80	424.74	468.56	305.95
USGS073802516 Barataria Pass at Grand Isle	237.97	109.07	30.56	32.32	33.29	100.41	264.50	392.28	304.56	340.34	386.69	292.22
HWQ14 - Lake Washington	84.97	43.68	17.46	16.45	19.81	32.14	77.13	140.72	119.05	124.61	193.28	154.30
HWQ16 - Bayou Grand Liard	541.02	306.04	175.03	160.72	145.85	289.11	543.71	629.91	570.46	618.87	603.34	490.12
CRMS 3985	40.21	26.92	16.28	13.19	12.68	14.10	19.41	21.89	28.41	36.63	67.54	67.45
CRMS 0258	152.49	81.42	33.78	30.69	21.47	34.12	88.55	198.99	332.30	401.00	460.61	224.41
CRMS 0224	161.23	73.38	22.66	24.30	18.59	40.98	145.28	268.99	338.65	367.59	442.54	242.45
CRMS 0163	123.12	43.35	18.66	42.16	19.96	68.39	97.45	211.33	486.61	494.09	138.46	77.54
CRMS 0162	268.91	181.56	147.33	174.00	150.08	234.64	213.84	364.60	639.51	644.74	435.46	324.92

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-161.35	-179.08	-113.58	-65.73	-59.65	-55.65	-82.13	-113.58	-179.35	-160.39	-209.78	-207.52
CRMS0276 - Just east of Wilkinson Canal	-9.61	24.39	18.01	16.12	19.31	10.45	0.39	29.60	68.68	79.43	52.74	32.96
Barataria Waterway at Lafitte (USACE82875)	22.07	14.19	2.59	9.92	9.10	4.02	13.51	46.03	243.78	188.24	39.48	16.27
USGS2928590900040000 Barataria Waterway South of Lafitte	-175.12	-184.18	-108.28	-51.41	-43.41	-42.27	-75.74	-91.36	-61.65	-63.96	-87.84	-185.86
USGS7380251 Barataria Bay North of Grand Isle	-100.70	-137.91	-106.09	-84.62	-81.00	-69.31	-56.82	-51.27	-58.29	-54.51	-54.32	-83.25
USGS73802515 Hackberry Bay Northwest of Grand Isle	-184.63	-199.31	-143.39	-101.02	-95.52	-66.92	-44.49	-44.98	-20.24	-36.92	-35.47	-119.24
USGS 07380335 - Little Lake Near Cutoff	-121.43	-166.30	-138.10	-100.26	-93.19	-56.54	-17.24	-4.94	13.26	9.64	-0.10	-70.21
USGS073802516 Barataria Pass at Grand Isle	-149.64	-191.64	-162.27	-125.41	-120.30	-70.92	-30.81	-23.08	-19.43	-20.60	-31.74	-81.04
HWQ14 - Lake Washington	-139.00	-170.82	-129.75	-108.40	-112.12	-87.97	-61.15	-63.25	-53.05	-48.81	-51.85	-87.66
HWQ16 - Bayou Grand Liard	-28.12	-73.06	-100.44	-84.18	-59.36	-16.51	12.33	20.36	25.98	17.84	9.78	-13.75
CRMS 3985	-61.28	-94.95	-90.99	-85.82	-81.75	-70.52	-51.82	-35.54	-36.98	-37.97	-36.43	-44.42
CRMS 0258	-110.75	-68.33	-47.27	-16.24	-12.79	-19.11	-38.25	-19.67	73.29	54.86	56.42	-45.79
CRMS 0224	-151.11	-130.17	-97.61	-50.19	-42.67	-39.12	-28.74	-18.61	36.73	16.71	19.04	-81.28
CRMS 0163	32.34	23.20	5.93	28.16	7.82	15.93	19.91	85.84	316.60	209.49	44.66	35.77
CRMS 0162	86.86	66.41	34.70	33.19	41.64	86.31	132.95	89.87	111.12	63.65	41.87	135.43

Figure WQ SO4 217 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	184.93	225.32	165.38	132.48	151.57	142.60	128.28	156.33	246.46	224.94	226.36	201.52
CRMS0276 - Just east of Wilkinson Canal	404.36	222.19	227.16	163.18	181.44	244.79	357.03	478.34	473.59	450.14	331.36	284.95
Barataria Waterway at Lafitte (USACE82875)	218.06	61.30	47.81	57.67	71.00	48.07	169.82	285.69	415.95	158.66	121.07	72.46
USGS2928590900040000 Barataria Waterway South of Lafitte	224.24	246.10	198.34	128.37	152.99	141.75	149.29	196.85	344.49	305.14	284.35	239.75
USGS7380251 Barataria Bay North of Grand Isle	144.94	173.35	118.26	121.09	136.68	132.18	93.52	99.35	120.17	132.77	165.22	149.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	372.31	307.70	233.45	190.82	205.64	203.41	259.73	400.39	355.86	369.64	385.35	305.27
USGS 07380335 - Little Lake Near Cutoff	461.21	333.80	279.88	222.10	236.13	224.47	356.74	518.72	448.56	459.15	436.26	353.63
USGS073802516 Barataria Pass at Grand Isle	423.43	356.61	266.07	244.22	271.57	280.39	359.49	500.67	395.86	404.53	405.09	352.52
HWQ14 - Lake Washington	232.31	241.64	154.01	161.16	196.95	188.55	164.66	249.48	206.95	209.68	249.76	224.16
HWQ16 - Bayou Grand Liard	627.09	465.65	437.13	377.29	382.83	421.87	610.76	695.09	611.69	613.04	553.80	501.84
CRMS 3985	99.15	123.86	85.41	101.05	119.31	117.79	70.63	61.49	74.20	88.65	112.11	108.71
CRMS 0258	310.46	214.65	223.68	124.83	144.57	156.99	189.64	276.90	369.45	383.14	334.94	247.57
CRMS 0224	350.20	268.45	241.71	158.16	179.14	175.23	232.17	362.17	400.33	403.12	382.68	293.95
CRMS 0163	160.28	63.49	41.99	95.10	45.77	90.45	152.03	255.08	436.79	166.35	58.54	65.18
CRMS 0162	321.60	240.71	337.41	318.86	291.44	324.50	313.83	459.25	666.53	505.04	306.77	228.36

V3PR5 HYST - cy 5 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	21.35	14.77	16.61	16.77	14.70	17.67	18.57	20.54	24.63	21.81	21.90	18.82
CRMS0276 - Just east of Wilkinson Canal	422.10	240.88	250.30	176.04	229.64	281.40	352.28	506.28	529.75	545.05	376.32	317.21
Barataria Waterway at Lafitte (USACE82875)	242.04	89.40	52.47	78.39	101.22	64.86	292.18	431.17	534.23	350.73	136.93	74.68
USGS2928590900040000 Barataria Waterway South of Lafitte	104.44	24.65	51.68	41.66	20.87	51.65	40.27	83.68	238.62	197.17	206.07	132.49
USGS7380251 Barataria Bay North of Grand Isle	87.16	57.13	50.48	44.42	43.58	58.82	43.70	47.56	54.96	63.25	105.65	92.01
USGS73802515 Hackberry Bay Northwest of Grand Isle	307.30	148.19	136.71	106.44	89.22	144.27	189.12	335.90	307.92	307.68	352.49	260.46
USGS 07380335 - Little Lake Near Cutoff	438.23	228.39	212.81	151.46	138.03	181.95	325.40	501.08	434.59	452.95	440.65	339.76
USGS073802516 Barataria Pass at Grand Isle	378.42	229.17	183.15	161.16	170.96	233.21	306.18	463.82	355.61	366.25	374.68	317.65
HWQ14 - Lake Washington	170.77	111.35	79.55	78.54	97.26	107.79	88.74	166.48	141.80	141.67	192.35	166.31
HWQ16 - Bayou Grand Liard	637.88	436.77	417.05	350.87	364.00	431.22	618.52	704.79	618.61	627.56	567.84	507.53
CRMS 3985	66.03	60.93	45.29	40.38	48.30	52.92	36.54	30.50	36.08	43.56	68.69	70.92
CRMS 0258	294.22	154.66	194.35	115.39	127.93	134.92	133.83	241.53	441.76	439.31	384.15	259.77
CRMS 0224	324.92	161.77	175.61	118.19	114.02	142.32	185.97	328.17	409.83	399.32	406.96	291.17
CRMS 0163	202.03	120.25	63.65	135.09	95.06	136.84	317.25	477.90	580.92	399.51	79.59	92.05
CRMS 0162	426.71	369.35	402.87	410.68	405.42	463.32	529.28	583.91	689.04	624.54	362.56	357.10

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-163.59	-210.54	-148.77	-115.72	-136.87	-124.93	-109.71	-135.79	-221.82	-203.13	-204.46	-182.69
CRMS0276 - Just east of Wilkinson Canal	17.74	18.69	23.14	12.85	48.21	36.62	-4.75	27.94	56.16	94.91	44.95	32.26
Barataria Waterway at Lafitte (USACE82875)	23.98	28.10	4.66	20.72	30.22	16.79	122.35	145.48	118.27	192.07	15.87	2.22
USGS2928590900040000 Barataria Waterway South of Lafitte	-119.80	-221.44	-146.66	-86.72	-132.11	-90.10	-109.03	-113.17	-105.86	-107.97	-78.27	-107.26
USGS7380251 Barataria Bay North of Grand Isle	-57.78	-116.22	-67.78	-76.67	-93.10	-73.36	-49.83	-51.80	-65.21	-69.52	-59.57	-57.06
USGS73802515 Hackberry Bay Northwest of Grand Isle	-65.01	-159.51	-96.74	-84.38	-116.42	-59.13	-70.61	-64.49	-47.94	-61.96	-32.85	-44.80
USGS 07380335 - Little Lake Near Cutoff	-22.98	-105.41	-67.07	-70.63	-98.09	-42.52	-31.35	-17.64	-13.96	-6.20	4.38	-13.86
USGS073802516 Barataria Pass at Grand Isle	-45.01	-127.44	-82.92	-83.05	-100.62	-47.17	-53.31	-36.85	-40.25	-38.28	-30.40	-34.87
HWQ14 - Lake Washington	-61.54	-130.29	-74.46	-82.62	-99.69	-80.75	-75.92	-82.99	-65.15	-68.00	-57.41	-57.84
HWQ16 - Bayou Grand Liard	10.79	-28.88	-20.08	-26.42	-18.83	9.35	7.75	9.71	6.92	14.52	14.04	5.69
CRMS 3985	-33.12	-62.93	-40.12	-60.67	-71.01	-64.86	-34.09	-31.00	-38.12	-45.08	-43.41	-37.78
CRMS 0258	-16.24	-59.99	-29.33	-9.44	-16.64	-22.07	-55.81	-35.37	72.31	56.18	49.21	12.20
CRMS 0224	-25.28	-106.68	-66.10	-39.97	-65.12	-32.91	-46.20	-34.00	9.49	-3.80	24.28	-2.78
CRMS 0163	41.75	56.76	21.66	39.99	49.29	46.39	165.22	222.82	144.13	233.15	21.05	26.87
CRMS 0162	105.12	128.64	65.46	91.82	113.97	138.82	215.45	124.66	22.51	119.50	55.79	128.74

Figure WQ SO4 218 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	187.69	187.65	121.79	93.42	103.22	95.15	86.74	92.27	133.92	129.77	190.82	216.75
CRMS0276 - Just east of Wilkinson Canal	342.83	94.90	89.59	70.72	96.64	77.01	160.55	231.56	250.96	349.00	385.48	358.76
Barataria Waterway at Lafitte (USACE82875)	119.98	14.75	17.25	24.03	39.19	14.42	27.87	54.43	79.51	132.73	179.54	94.92
USGS2928590900040000 Barataria Waterway South of Lafitte	232.33	185.06	113.92	79.61	95.85	79.29	97.22	113.50	167.67	170.70	251.96	279.41
USGS7380251 Barataria Bay North of Grand Isle	146.18	162.18	123.02	109.64	112.33	106.64	72.37	64.77	72.38	79.10	129.43	144.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	359.21	243.00	161.52	137.52	153.22	139.30	156.09	229.47	194.38	239.60	349.14	343.08
USGS 07380335 - Little Lake Near Cutoff	429.02	248.28	174.86	147.38	170.65	137.19	195.50	297.81	259.98	326.50	417.88	402.70
USGS073802516 Barataria Pass at Grand Isle	406.97	288.37	198.35	180.84	210.35	188.05	222.78	311.71	237.65	283.39	367.18	384.75
HWQ14 - Lake Washington	232.93	215.24	149.35	140.99	163.49	148.70	115.75	148.80	122.71	125.56	199.85	228.06
HWQ16 - Bayou Grand Liard	579.83	346.81	308.92	275.72	293.78	270.63	417.46	493.89	455.89	537.47	567.75	550.22
CRMS 3985	100.32	127.25	114.60	109.02	108.93	101.61	59.01	45.21	48.54	55.11	82.24	96.73
CRMS 0258	306.00	123.42	82.24	60.54	81.47	53.86	97.88	139.69	151.67	239.60	347.98	332.89
CRMS 0224	344.14	179.71	121.16	92.41	114.17	91.77	133.00	198.59	192.93	254.21	364.07	360.93
CRMS 0163	58.71	14.25	20.35	46.74	20.65	21.10	31.15	58.83	70.22	142.54	110.66	87.72
CRMS 0162	122.35	90.52	173.02	177.19	181.62	82.64	18.91	111.08	321.25	410.88	426.61	346.28

V3PR5 HYST - cy 5 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.55	10.95	12.37	11.76	12.05	12.44	13.16	14.96	18.85	19.75	23.91	20.38
CRMS0276 - Just east of Wilkinson Canal	307.77	119.54	96.16	86.69	131.47	86.89	111.48	193.95	291.85	433.74	440.00	412.17
Barataria Waterway at Lafitte (USACE82875)	168.79	23.08	21.74	39.72	67.97	19.75	47.59	71.55	204.66	281.70	221.70	163.80
USGS2928590900040000 Barataria Waterway South of Lafitte	16.01	10.98	12.43	11.78	12.17	12.32	12.97	29.58	122.55	140.88	198.25	156.48
USGS7380251 Barataria Bay North of Grand Isle	40.63	17.78	15.23	13.28	14.32	13.89	13.05	19.67	33.93	47.11	97.92	97.54
USGS73802515 Hackberry Bay Northwest of Grand Isle	125.76	40.13	21.60	21.38	27.05	23.24	26.01	108.29	175.81	221.44	337.61	302.04
USGS 07380335 - Little Lake Near Cutoff	255.36	77.47	40.35	36.09	46.76	33.88	64.94	208.67	265.18	343.22	435.18	394.64
USGS073802516 Barataria Pass at Grand Isle	213.66	84.81	40.72	45.15	66.96	59.64	81.50	206.27	218.24	275.75	357.10	356.32
HWQ14 - Lake Washington	85.59	34.67	19.43	20.98	32.88	23.66	18.09	54.93	84.41	98.02	173.01	181.12
HWQ16 - Bayou Grand Liard	516.86	257.13	215.50	198.14	231.08	222.19	382.61	487.81	476.89	558.94	589.45	559.33
CRMS 3985	47.89	24.77	17.68	14.80	16.03	15.12	13.20	15.49	25.19	34.73	63.30	71.60
CRMS 0258	134.35	65.24	38.62	40.67	52.66	22.84	14.93	59.17	173.28	294.35	414.67	353.11
CRMS 0224	135.42	56.91	28.85	32.92	42.36	23.62	21.64	97.96	201.67	281.37	401.74	361.00
CRMS 0163	114.32	28.25	30.65	76.21	37.02	36.88	53.65	77.65	243.60	339.77	165.20	193.15
CRMS 0162	188.81	126.84	195.23	222.47	232.55	132.29	67.04	192.48	488.72	551.18	446.86	436.62

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-175.14	-176.69	-109.41	-81.66	-91.17	-82.71	-73.58	-77.31	-115.07	-110.03	-166.91	-196.37
CRMS0276 - Just east of Wilkinson Canal	-35.06	24.64	6.57	15.97	34.83	9.89	-49.07	-37.61	40.88	84.74	54.52	53.41
Barataria Waterway at Lafitte (USACE82875)	48.80	8.33	4.48	15.70	28.78	5.33	19.72	17.12	125.15	148.97	42.15	68.88
USGS2928590900040000 Barataria Waterway South of Lafitte	-216.32	-174.08	-101.48	-67.83	-83.67	-66.97	-84.25	-83.93	-45.12	-29.82	-53.71	-122.94
USGS7380251 Barataria Bay North of Grand Isle	-105.55	-144.40	-107.78	-96.35	-98.01	-92.75	-59.32	-45.10	-38.45	-31.99	-31.51	-46.89
USGS73802515 Hackberry Bay Northwest of Grand Isle	-233.45	-202.87	-139.92	-116.14	-126.17	-116.06	-130.08	-121.18	-18.57	-18.17	-11.53	-41.04
USGS 07380335 - Little Lake Near Cutoff	-173.65	-170.80	-134.51	-111.30	-123.89	-103.31	-130.56	-89.14	5.20	16.73	17.30	-8.06
USGS073802516 Barataria Pass at Grand Isle	-193.32	-203.56	-157.63	-135.68	-143.39	-128.41	-141.28	-105.44	-19.41	-7.64	-10.09	-28.42
HWQ14 - Lake Washington	-147.34	-180.56	-129.92	-120.00	-130.61	-125.04	-97.66	-93.87	-38.30	-27.54	-26.84	-46.94
HWQ16 - Bayou Grand Liard	-62.96	-89.68	-93.43	-77.58	-62.70	-48.44	-34.84	-6.08	21.01	21.47	21.70	9.11
CRMS 3985	-52.44	-102.48	-96.91	-94.22	-92.89	-86.48	-45.81	-29.72	-23.35	-20.38	-18.94	-25.13
CRMS 0258	-171.65	-58.19	-43.62	-19.87	-28.81	-31.02	-82.95	-80.52	21.61	54.76	66.69	20.22
CRMS 0224	-208.72	-122.79	-92.31	-59.48	-71.81	-68.15	-111.35	-100.63	8.74	27.16	37.67	0.07
CRMS 0163	55.61	14.00	10.29	29.47	16.37	15.77	22.49	18.83	173.38	197.23	54.54	105.43
CRMS 0162	66.46	36.31	22.21	45.28	50.92	49.65	48.13	81.39	167.47	140.30	20.25	90.35

Figure WQ SO4 219 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.83	223.79	174.63	94.78	81.37	70.62	70.65	84.01	143.46	134.98	204.05	205.38
CRMS0276 - Just east of Wilkinson Canal	288.11	327.71	165.31	66.03	41.93	34.13	124.67	244.44	274.53	386.09	404.15	193.99
Barataria Waterway at Lafitte (USACE82875)	137.91	123.91	26.04	15.13	15.39	11.75	25.84	66.29	94.97	164.74	185.36	27.15
USGS2928590900040000 Barataria Waterway South of Lafitte	180.82	263.18	216.76	77.81	64.23	55.14	76.75	104.57	183.32	178.08	271.65	251.22
USGS7380251 Barataria Bay North of Grand Isle	129.56	161.20	121.64	108.51	101.68	88.49	61.82	58.04	73.45	81.12	137.92	144.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	306.39	315.68	242.71	141.49	125.80	103.72	123.74	223.76	205.37	250.08	373.61	307.91
USGS 07380335 - Little Lake Near Cutoff	375.77	362.19	276.58	151.23	129.75	94.96	155.71	303.34	276.99	342.34	442.43	337.97
USGS073802516 Barataria Pass at Grand Isle	354.73	361.99	268.76	185.86	172.80	136.88	180.75	308.65	249.31	297.32	387.42	344.16
HWQ14 - Lake Washington	201.46	224.79	162.19	144.06	147.52	118.88	93.85	135.56	125.79	130.26	214.40	225.95
HWQ16 - Bayou Grand Liard	546.81	515.43	388.39	270.92	214.14	193.80	376.29	512.59	471.95	556.32	582.62	447.75
CRMS 3985	91.41	111.67	86.49	102.01	100.91	88.51	52.02	40.52	47.37	55.75	86.78	100.41
CRMS 0258	218.24	288.76	223.31	56.87	40.98	33.48	71.41	131.87	169.59	256.41	381.09	231.89
CRMS 0224	272.84	312.50	254.42	90.21	70.62	62.67	101.82	192.53	209.02	267.29	394.55	291.88
CRMS 0163	110.74	128.28	21.11	18.69	12.71	13.83	28.62	70.95	84.95	189.10	103.43	20.90
CRMS 0162	261.41	421.07	188.50	150.40	97.09	44.54	18.49	137.30	383.95	499.53	422.51	105.67

V3PR5 HYST - cy 5 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	17.08	21.53	11.88	11.35	12.23	11.53	13.04	15.95	19.73	21.08	23.50	11.88
CRMS0276 - Just east of Wilkinson Canal	263.98	280.51	213.88	80.08	51.96	36.29	82.78	232.85	327.22	470.44	460.22	238.03
Barataria Waterway at Lafitte (USACE82875)	137.09	204.33	40.34	29.88	32.90	12.87	36.16	78.21	279.18	376.64	231.80	36.36
USGS2928590900040000 Barataria Waterway South of Lafitte	43.87	116.12	17.52	11.36	12.21	11.46	12.82	45.67	144.49	151.54	195.76	12.50
USGS7380251 Barataria Bay North of Grand Isle	37.05	93.89	30.75	14.26	13.67	12.41	12.18	24.72	37.41	49.96	100.51	36.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	174.32	230.47	57.77	20.69	17.90	15.19	21.58	175.90	198.36	237.78	349.64	76.82
USGS 07380335 - Little Lake Near Cutoff	278.45	285.21	107.35	34.36	26.44	18.82	49.71	278.90	295.31	366.26	453.41	166.05
USGS073802516 Barataria Pass at Grand Isle	237.59	284.92	100.86	43.71	38.94	32.80	63.53	275.53	238.33	294.08	371.80	157.02
HWQ14 - Lake Washington	82.46	153.07	52.68	23.39	24.46	17.43	14.64	84.98	91.45	104.68	181.51	81.90
HWQ16 - Bayou Grand Liard	518.39	459.59	310.12	187.27	146.98	145.28	339.43	525.93	501.51	582.21	603.08	395.27
CRMS 3985	31.27	66.13	36.16	18.07	15.63	13.88	12.09	16.80	26.98	36.46	66.13	49.25
CRMS 0258	140.53	214.02	114.27	36.12	24.50	13.16	13.27	92.37	205.21	314.81	441.34	150.09
CRMS 0224	171.50	228.78	84.79	29.39	21.77	13.71	17.95	155.71	231.65	301.23	421.91	131.78
CRMS 0163	125.66	235.02	37.43	53.91	14.45	21.17	41.37	94.66	337.94	437.65	151.64	37.17
CRMS 0162	316.03	463.48	246.63	196.75	139.37	60.58	52.89	230.12	548.14	606.87	445.16	202.88

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-141.74	-202.26	-162.76	-83.42	-69.14	-59.09	-57.61	-68.06	-123.73	-113.89	-180.56	-193.50
CRMS0276 - Just east of Wilkinson Canal	-24.13	-47.20	48.57	14.06	10.02	2.16	-41.89	-11.59	52.69	84.36	56.07	44.04
Barataria Waterway at Lafitte (USACE82875)	-0.82	80.42	14.30	14.76	17.51	1.12	10.32	11.92	184.20	211.90	46.44	9.21
USGS2928590900040000 Barataria Waterway South of Lafitte	-136.95	-147.06	-199.24	-66.45	-52.02	-43.68	-63.92	-58.90	-38.82	-26.54	-75.90	-238.72
USGS7380251 Barataria Bay North of Grand Isle	-92.51	-67.31	-90.89	-94.25	-88.01	-76.08	-49.65	-33.33	-36.04	-31.17	-37.41	-108.33
USGS73802515 Hackberry Bay Northwest of Grand Isle	-132.07	-85.21	-184.94	-120.80	-107.90	-88.52	-102.16	-47.86	-7.00	-12.30	-23.97	-231.10
USGS 07380335 - Little Lake Near Cutoff	-97.32	-76.98	-169.24	-116.87	-103.32	-76.13	-106.01	-24.44	18.32	23.91	10.98	-171.92
USGS073802516 Barataria Pass at Grand Isle	-117.14	-77.06	-167.90	-142.15	-133.85	-104.08	-117.22	-33.12	-10.98	-3.24	-15.63	-187.14
HWQ14 - Lake Washington	-119.00	-71.72	-109.51	-120.66	-123.06	-101.45	-79.21	-50.58	-34.34	-25.58	-32.89	-144.06
HWQ16 - Bayou Grand Liard	-28.42	-55.84	-78.27	-83.65	-67.16	-48.52	-36.86	13.34	29.56	25.89	20.46	-52.48
CRMS 3985	-60.14	-45.54	-50.33	-83.94	-85.28	-74.63	-39.93	-23.72	-20.38	-19.29	-20.66	-51.15
CRMS 0258	-77.72	-74.74	-109.04	-20.76	-16.47	-20.32	-58.14	-39.50	35.62	58.40	60.25	-81.80
CRMS 0224	-101.33	-83.72	-169.63	-60.82	-48.85	-48.96	-83.87	-36.82	22.63	33.94	27.37	-160.10
CRMS 0163	14.92	106.74	16.32	35.22	1.75	7.34	12.75	23.71	252.99	248.55	48.22	16.27
CRMS 0162	54.62	42.41	58.13	46.35	42.28	16.04	34.41	92.82	164.19	107.34	22.66	97.21

Figure WQ SO4 220 - Monthly Average SO4 (mg/L) for No Action and 75,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	196.53	217.75	145.98	80.05	64.60	66.19	81.93	107.49	139.49	110.25	180.27	217.31
CRMS0276 - Just east of Wilkinson Canal	380.72	213.17	84.79	36.56	32.84	55.15	110.61	232.16	230.89	289.79	393.01	413.33
Barataria Waterway at Lafitte (USACE82875)	171.61	47.49	13.66	12.35	11.64	12.28	19.26	52.81	58.84	108.88	188.98	140.55
USGS2928590900040000 Barataria Waterway South of Lafitte	243.90	234.62	154.23	61.86	47.83	53.77	85.47	125.95	165.53	133.63	239.35	282.60
USGS7380251 Barataria Bay North of Grand Isle	151.31	170.30	121.61	101.12	89.35	81.44	77.77	84.14	82.93	75.77	122.92	143.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	386.15	296.58	191.34	119.62	103.09	101.70	140.28	234.25	191.13	203.73	337.57	354.09
USGS 07380335 - Little Lake Near Cutoff	465.06	326.14	204.05	122.21	105.87	99.19	162.18	298.34	248.61	281.51	409.96	422.81
USGS073802516 Barataria Pass at Grand Isle	434.40	345.87	223.65	158.87	143.65	142.88	197.42	313.23	237.31	251.35	356.75	395.81
HWQ14 - Lake Washington	244.80	232.74	155.69	132.71	125.02	113.10	117.26	163.71	133.53	116.85	189.47	228.36
HWQ16 - Bayou Grand Liard	617.09	453.59	316.50	217.32	189.29	232.20	361.81	498.01	442.31	495.73	568.34	576.50
CRMS 3985	101.85	124.55	99.45	101.65	93.08	81.85	72.17	65.12	58.72	56.78	79.10	95.22
CRMS 0258	325.18	208.59	113.60	38.84	29.43	38.02	78.06	142.43	138.25	181.52	345.07	360.75
CRMS 0224	369.68	259.31	160.22	67.97	54.49	65.27	112.34	202.03	182.53	203.36	354.46	377.78
CRMS 0163	108.09	45.81	13.68	12.51	11.68	15.40	20.67	62.27	64.98	123.78	120.58	112.80
CRMS 0162	184.61	196.85	132.49	93.79	93.11	66.91	16.23	121.58	272.61	315.91	443.75	374.28

V3PR6 HYST - cy 5 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.72	14.69	11.24	11.73	11.09	11.47	12.13	15.27	15.67	16.74	23.83	20.47
CRMS0276 - Just east of Wilkinson Canal	333.72	198.43	73.48	34.79	31.79	38.14	35.38	161.27	241.05	272.79	392.34	335.64
Barataria Waterway at Lafitte (USACE82875)	167.03	54.41	17.79	14.29	13.77	14.72	25.03	65.24	126.12	123.83	186.96	100.37
USGS2928590900040000 Barataria Waterway South of Lafitte	30.80	38.51	11.23	11.72	11.09	11.45	12.05	16.99	43.24	36.16	166.01	150.06
USGS7380251 Barataria Bay North of Grand Isle	41.85	33.24	12.42	11.88	11.24	11.25	11.32	15.09	26.12	25.83	77.40	76.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	109.69	87.67	11.66	11.86	11.21	11.41	11.98	58.24	110.75	89.63	283.27	249.73
USGS 07380335 - Little Lake Near Cutoff	242.46	135.72	14.40	13.00	11.88	12.19	16.07	134.38	194.60	175.25	369.58	340.13
USGS073802516 Barataria Pass at Grand Isle	225.14	149.24	16.77	13.45	13.04	13.69	17.81	146.61	174.63	162.18	321.99	317.28
HWQ14 - Lake Washington	84.40	68.23	17.04	12.93	12.18	10.89	10.42	35.39	74.35	54.42	149.05	154.03
HWQ16 - Bayou Grand Liard	537.54	336.60	112.14	65.89	69.62	119.34	224.00	438.27	427.41	455.35	552.14	517.37
CRMS 3985	43.31	33.92	16.69	12.79	11.80	10.90	10.71	12.21	22.08	25.45	54.31	59.17
CRMS 0258	167.31	99.13	17.25	13.82	11.91	12.17	11.60	43.91	130.76	130.00	347.48	302.95
CRMS 0224	154.69	99.35	13.33	12.93	11.69	11.98	11.90	61.50	145.13	119.03	345.57	315.52
CRMS 0163	124.78	66.10	21.83	19.93	17.06	23.94	29.09	77.97	124.98	165.10	144.51	108.74
CRMS 0162	257.49	288.93	166.76	114.95	116.93	87.05	23.89	183.18	389.80	399.20	445.39	370.13

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-180.81	-203.06	-134.74	-68.32	-53.52	-54.72	-69.80	-92.21	-123.83	-93.52	-156.44	-196.84
CRMS0276 - Just east of Wilkinson Canal	-47.01	-14.74	-11.32	-1.77	-1.05	-17.01	-75.23	-70.89	10.17	-17.00	-0.67	-77.69
Barataria Waterway at Lafitte (USACE82875)	-4.59	6.91	4.13	1.94	2.14	2.44	5.77	12.42	67.28	14.95	-2.03	-40.18
USGS2928590900040000 Barataria Waterway South of Lafitte	-213.10	-196.12	-143.00	-50.14	-36.74	-42.32	-73.42	-108.96	-122.29	-97.47	-73.34	-132.54
USGS7380251 Barataria Bay North of Grand Isle	-109.46	-137.06	-109.19	-89.23	-78.11	-70.19	-66.44	-69.05	-56.82	-49.94	-45.52	-67.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	-276.46	-208.91	-179.68	-107.76	-91.88	-90.29	-128.30	-176.01	-80.38	-114.09	-54.30	-104.36
USGS 07380335 - Little Lake Near Cutoff	-222.60	-190.42	-189.65	-109.20	-93.99	-87.01	-146.11	-163.96	-54.01	-106.26	-40.38	-82.68
USGS073802516 Barataria Pass at Grand Isle	-209.25	-196.63	-206.88	-145.42	-130.62	-129.19	-179.61	-166.62	-62.68	-89.17	-34.76	-78.53
HWQ14 - Lake Washington	-160.39	-164.50	-138.65	-119.78	-112.84	-102.21	-106.84	-128.32	-59.18	-62.43	-40.42	-74.32
HWQ16 - Bayou Grand Liard	-79.55	-116.99	-204.37	-151.43	-119.67	-112.86	-137.82	-59.74	-14.90	-40.38	-16.20	-59.13
CRMS 3985	-58.54	-90.64	-82.76	-88.86	-81.28	-70.95	-61.46	-52.91	-36.64	-31.33	-24.79	-36.05
CRMS 0258	-157.87	-109.46	-96.36	-25.02	-17.52	-25.85	-66.46	-98.52	-7.49	-51.52	2.40	-57.80
CRMS 0224	-215.00	-159.96	-146.89	-55.04	-42.79	-53.29	-100.43	-140.53	-37.40	-84.33	-8.89	-62.26
CRMS 0163	16.69	20.29	8.15	7.42	5.38	8.54	8.43	15.70	60.00	41.31	23.93	-4.06
CRMS 0162	72.88	92.08	34.26	21.16	23.82	20.14	7.66	61.61	117.19	83.29	1.63	-4.15

Figure WQ SO4 221 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	176.97	190.53	124.43	76.66	70.63	70.90	98.27	131.86	201.89	183.32	233.35	223.13
CRMS0276 - Just east of Wilkinson Canal	319.30	130.49	63.23	52.56	38.13	118.86	265.37	358.52	368.89	459.40	406.69	279.86
Barataria Waterway at Lafitte (USACE82875)	139.94	20.49	12.18	13.02	11.89	28.18	78.71	138.88	167.99	249.92	179.95	54.42
USGS2928590900040000 Barataria Waterway South of Lafitte	210.22	195.90	119.14	62.35	54.37	59.46	108.32	163.25	265.98	248.23	305.23	273.18
USGS7380251 Barataria Bay North of Grand Isle	143.39	159.06	119.14	96.55	92.72	85.25	83.22	88.07	102.86	109.29	161.03	159.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	339.47	254.69	159.38	117.33	110.65	115.18	205.76	321.20	282.14	319.08	404.16	332.88
USGS 07380335 - Little Lake Near Cutoff	408.12	269.29	165.63	126.35	114.89	124.44	279.21	415.29	362.54	415.10	468.66	376.16
USGS073802516 Barataria Pass at Grand Isle	387.62	300.72	192.82	157.73	153.59	171.33	295.32	415.36	323.99	360.94	418.43	373.26
HWQ14 - Lake Washington	223.97	214.50	147.21	124.84	131.93	120.11	138.28	203.97	172.09	173.42	245.13	241.95
HWQ16 - Bayou Grand Liard	569.14	379.11	275.47	244.91	205.22	305.62	531.38	609.55	544.48	601.02	593.56	503.87
CRMS 3985	101.49	121.87	107.27	99.01	94.43	84.62	71.23	57.43	65.39	74.60	103.97	111.87
CRMS 0258	263.24	149.75	81.05	46.93	34.26	53.23	126.80	218.66	259.01	346.14	404.18	270.20
CRMS 0224	312.34	203.55	120.27	74.49	61.26	80.09	174.02	287.59	301.92	350.88	423.50	323.73
CRMS 0163	90.78	20.15	12.73	13.99	12.13	52.46	77.54	125.49	170.01	284.61	93.80	41.76
CRMS 0162	182.05	115.16	112.63	140.81	108.44	148.33	80.89	274.73	528.39	581.09	393.59	189.48

V3PR6 HYST - cy 5 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.30	11.47	10.85	10.94	10.99	15.18	16.08	17.60	19.15	21.88	24.31	15.52
CRMS0276 - Just east of Wilkinson Canal	268.40	105.31	49.41	49.90	36.62	117.53	258.55	382.22	405.61	508.39	432.15	272.37
Barataria Waterway at Lafitte (USACE82875)	147.16	34.47	14.81	21.64	21.38	31.67	82.93	158.15	344.71	376.51	184.04	56.50
USGS2928590900040000 Barataria Waterway South of Lafitte	22.92	11.48	10.85	10.93	10.98	14.56	25.62	55.10	154.37	173.72	230.39	94.79
USGS7380251 Barataria Bay North of Grand Isle	29.36	13.47	11.12	11.00	10.97	12.20	20.13	38.99	43.59	51.47	92.51	58.96
USGS73802515 Hackberry Bay Northwest of Grand Isle	64.11	15.81	11.03	11.10	11.03	33.42	124.14	241.50	240.04	241.40	348.65	149.22
USGS 07380335 - Little Lake Near Cutoff	158.87	34.70	12.14	12.58	11.81	56.45	231.96	382.45	344.34	378.02	442.12	231.46
USGS073802516 Barataria Pass at Grand Isle	154.61	36.80	12.92	12.96	12.67	75.84	248.02	392.29	290.88	321.90	377.21	232.95
HWQ14 - Lake Washington	53.36	21.24	12.46	11.48	11.43	20.81	67.16	153.33	113.19	113.25	180.97	128.75
HWQ16 - Bayou Grand Liard	478.25	193.23	82.70	80.30	80.32	268.99	530.91	624.59	556.43	603.62	590.11	447.43
CRMS 3985	31.10	17.80	12.40	11.30	11.03	10.90	14.98	25.55	33.36	40.23	63.44	58.15
CRMS 0258	98.19	36.96	13.22	14.13	12.34	23.36	90.39	213.27	304.72	378.04	448.73	179.93
CRMS 0224	88.26	27.84	11.67	12.62	12.01	30.69	138.04	268.54	307.96	341.38	436.80	188.00
CRMS 0163	113.19	42.21	19.62	39.86	18.88	67.41	87.00	175.74	409.62	440.78	111.45	63.25
CRMS 0162	247.17	173.28	143.76	170.98	138.19	201.02	164.95	341.47	613.69	627.11	425.16	297.46

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-161.67	-179.06	-113.58	-65.73	-59.64	-55.72	-82.19	-114.26	-182.73	-161.44	-209.05	-207.61
CRMS0276 - Just east of Wilkinson Canal	-50.91	-25.18	-13.82	-2.66	-1.51	-1.33	-6.81	23.71	36.72	49.00	25.46	-7.49
Barataria Waterway at Lafitte (USACE82875)	7.22	13.98	2.63	8.62	9.49	3.49	4.22	19.27	176.72	126.59	4.10	2.07
USGS2928590900040000 Barataria Waterway South of Lafitte	-187.30	-184.43	-108.29	-51.42	-43.39	-44.89	-82.70	-108.15	-111.61	-74.51	-74.84	-178.39
USGS7380251 Barataria Bay North of Grand Isle	-114.03	-145.59	-108.03	-85.54	-81.75	-73.05	-63.08	-49.08	-59.28	-57.82	-68.52	-100.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-275.36	-238.88	-148.36	-106.23	-99.61	-81.76	-81.62	-79.70	-42.10	-77.68	-55.51	-183.66
USGS 07380335 - Little Lake Near Cutoff	-249.26	-234.58	-153.49	-113.77	-103.08	-67.99	-47.25	-32.83	-18.21	-37.09	-26.54	-144.70
USGS073802516 Barataria Pass at Grand Isle	-233.00	-263.92	-179.90	-144.77	-140.92	-95.48	-47.30	-23.07	-33.10	-39.04	-41.22	-140.30
HWQ14 - Lake Washington	-170.61	-193.26	-134.75	-113.37	-120.50	-99.30	-71.12	-50.64	-58.91	-60.17	-64.16	-113.20
HWQ16 - Bayou Grand Liard	-90.89	-185.88	-192.77	-164.61	-124.90	-36.63	-0.47	15.04	11.96	2.60	-3.45	-56.44
CRMS 3985	-70.39	-104.08	-94.87	-87.72	-83.40	-73.72	-56.25	-31.88	-32.03	-34.36	-40.54	-53.72
CRMS 0258	-165.05	-112.78	-67.82	-32.80	-21.93	-29.88	-36.41	-5.39	45.71	31.90	44.55	-90.26
CRMS 0224	-224.08	-175.71	-108.60	-61.87	-49.25	-49.40	-35.98	-19.06	6.03	-9.51	13.30	-135.73
CRMS 0163	22.41	22.06	6.89	25.87	6.74	14.95	9.46	50.25	239.61	156.18	17.65	21.48
CRMS 0162	65.12	58.12	31.13	30.17	29.75	52.69	84.07	66.74	85.30	46.02	31.58	107.98

Figure WQ SO4 222 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	184.93	225.32	165.38	132.48	151.57	142.60	128.28	156.33	246.46	224.94	226.36	201.52
CRMS0276 - Just east of Wilkinson Canal	404.36	222.19	227.16	163.18	181.44	244.79	357.03	478.34	473.59	450.14	331.36	284.95
Barataria Waterway at Lafitte (USACE82875)	218.06	61.30	47.81	57.67	71.00	48.07	169.82	285.69	415.95	158.66	121.07	72.46
USGS2928590900040000 Barataria Waterway South of Lafitte	224.24	246.10	198.34	128.37	152.99	141.75	149.29	196.85	344.49	305.14	284.35	239.75
USGS7380251 Barataria Bay North of Grand Isle	144.94	173.35	118.26	121.09	136.68	132.18	93.52	99.35	120.17	132.77	165.22	149.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	372.31	307.70	233.45	190.82	205.64	203.41	259.73	400.39	355.86	369.64	385.35	305.27
USGS 07380335 - Little Lake Near Cutoff	461.21	333.80	279.88	222.10	236.13	224.47	356.74	518.72	448.56	459.15	436.26	353.63
USGS073802516 Barataria Pass at Grand Isle	423.43	356.61	266.07	244.22	271.57	280.39	359.49	500.67	395.86	404.53	405.09	352.52
HWQ14 - Lake Washington	232.31	241.64	154.01	161.16	196.95	188.55	164.66	249.48	206.95	209.68	249.76	224.16
HWQ16 - Bayou Grand Liard	627.09	465.65	437.13	377.29	382.83	421.87	610.76	695.09	611.69	613.04	553.80	501.84
CRMS 3985	99.15	123.86	85.41	101.05	119.31	117.79	70.63	61.49	74.20	88.65	112.11	108.71
CRMS 0258	310.46	214.65	223.68	124.83	144.57	156.99	189.64	276.90	369.45	383.14	334.94	247.57
CRMS 0224	350.20	268.45	241.71	158.16	179.14	175.23	232.17	362.17	400.33	403.12	382.68	293.95
CRMS 0163	160.28	63.49	41.99	95.10	45.77	90.45	152.03	255.08	436.79	166.35	58.54	65.18
CRMS 0162	321.60	240.71	337.41	318.86	291.44	324.50	313.83	459.25	666.53	505.04	306.77	228.36

V3PR6 HYST - cy 5 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	21.13	14.66	16.59	16.23	14.57	17.53	18.99	19.50	20.61	20.61	21.54	18.54
CRMS0276 - Just east of Wilkinson Canal	407.82	209.95	230.81	156.40	197.82	246.94	363.14	503.60	393.50	333.67	306.82	302.83
Barataria Waterway at Lafitte (USACE82875)	221.50	83.91	47.35	71.25	98.50	50.21	216.27	353.50	140.37	124.00	106.30	70.27
USGS2928590900040000 Barataria Waterway South of Lafitte	100.81	16.82	43.31	30.13	15.53	37.42	38.46	62.12	172.26	128.62	156.45	122.75
USGS7380251 Barataria Bay North of Grand Isle	68.58	36.23	37.35	33.87	29.23	44.24	47.04	49.46	53.90	56.49	81.33	68.85
USGS73802515 Hackberry Bay Northwest of Grand Isle	247.37	63.01	99.68	72.76	35.66	109.98	176.10	280.99	244.54	204.63	266.67	218.76
USGS 07380335 - Little Lake Near Cutoff	389.13	138.16	170.54	112.34	72.67	156.15	314.71	459.61	341.86	306.15	338.26	299.36
USGS073802516 Barataria Pass at Grand Isle	362.17	152.50	154.44	118.83	99.40	191.46	325.91	461.19	307.64	278.30	308.79	284.91
HWQ14 - Lake Washington	150.41	79.29	67.23	58.83	64.86	85.91	108.86	169.66	133.66	113.79	152.36	136.81
HWQ16 - Bayou Grand Liard	624.37	392.86	390.90	312.57	307.36	407.61	622.45	701.19	556.31	531.79	506.49	489.67
CRMS 3985	53.91	45.87	38.11	32.04	36.21	40.88	40.07	36.51	42.04	46.30	59.96	54.72
CRMS 0258	297.37	101.31	156.25	89.00	71.13	109.22	154.05	263.57	325.05	241.45	277.53	238.65
CRMS 0224	307.59	95.41	139.88	91.09	62.01	117.59	201.48	325.85	318.48	252.08	307.72	265.27
CRMS 0163	182.20	103.93	54.97	131.02	78.37	106.48	237.35	376.76	169.69	129.04	71.31	80.29
CRMS 0162	390.10	339.76	372.81	391.91	361.03	396.54	470.80	549.40	566.90	387.31	367.64	323.03

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-163.80	-210.66	-148.79	-116.25	-137.00	-125.07	-109.28	-136.83	-225.85	-204.33	-204.82	-182.98
CRMS0276 - Just east of Wilkinson Canal	3.46	-12.23	3.65	-6.79	16.38	2.15	6.11	25.26	-80.09	-116.47	-24.54	17.88
Barataria Waterway at Lafitte (USACE82875)	3.44	22.62	-0.47	13.58	27.51	2.14	46.44	67.82	-275.59	-34.67	-14.77	-2.19
USGS2928590900040000 Barataria Waterway South of Lafitte	-123.43	-229.28	-155.03	-98.24	-137.46	-104.33	-110.83	-134.73	-172.23	-176.52	-127.90	-117.00
USGS7380251 Barataria Bay North of Grand Isle	-76.36	-137.12	-80.92	-87.22	-107.45	-87.94	-46.48	-49.90	-66.27	-76.28	-83.89	-80.22
USGS73802515 Hackberry Bay Northwest of Grand Isle	-124.94	-244.69	-133.77	-118.05	-169.98	-93.43	-83.63	-119.40	-111.33	-165.01	-118.68	-86.51
USGS 07380335 - Little Lake Near Cutoff	-72.08	-195.63	-109.33	-109.76	-163.46	-68.33	-42.03	-59.11	-106.70	-153.01	-98.00	-54.26
USGS073802516 Barataria Pass at Grand Isle	-61.26	-204.11	-111.63	-125.38	-172.17	-88.93	-33.58	-39.48	-88.22	-126.23	-96.30	-67.61
HWQ14 - Lake Washington	-81.89	-162.35	-86.78	-102.33	-132.10	-102.64	-55.79	-79.82	-73.29	-95.88	-97.39	-87.34
HWQ16 - Bayou Grand Liard	-2.73	-72.79	-46.23	-64.71	-75.47	-14.25	11.68	6.10	-55.38	-81.25	-47.31	-12.17
CRMS 3985	-45.25	-77.99	-47.30	-69.01	-83.10	-76.91	-30.56	-24.98	-32.16	-42.34	-52.14	-53.98
CRMS 0258	-13.09	-113.34	-67.43	-35.83	-73.44	-47.77	-35.59	-13.33	-44.40	-141.69	-57.41	-8.91
CRMS 0224	-42.61	-173.04	-101.82	-67.07	-117.13	-57.64	-30.69	-36.32	-81.85	-151.04	-74.96	-28.68
CRMS 0163	21.92	40.44	12.99	35.93	32.59	16.04	85.31	121.68	-267.10	-37.31	12.76	15.11
CRMS 0162	68.50	99.05	35.40	73.05	69.58	72.04	156.98	90.15	-99.62	-117.74	60.87	94.68

Figure WQ SO4 223 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	187.69	187.65	121.79	93.42	103.22	95.15	86.74	92.27	133.92	129.77	190.82	216.75
CRMS0276 - Just east of Wilkinson Canal	342.83	94.90	89.59	70.72	96.64	77.01	160.55	231.56	250.96	349.00	385.48	358.76
Barataria Waterway at Lafitte (USACE82875)	119.98	14.75	17.25	24.03	39.19	14.42	27.87	54.43	79.51	132.73	179.54	94.92
USGS2928590900040000 Barataria Waterway South of Lafitte	232.33	185.06	113.92	79.61	95.85	79.29	97.22	113.50	167.67	170.70	251.96	279.41
USGS7380251 Barataria Bay North of Grand Isle	146.18	162.18	123.02	109.64	112.33	106.64	72.37	64.77	72.38	79.10	129.43	144.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	359.21	243.00	161.52	137.52	153.22	139.30	156.09	229.47	194.38	239.60	349.14	343.08
USGS 07380335 - Little Lake Near Cutoff	429.02	248.28	174.86	147.38	170.65	137.19	195.50	297.81	259.98	326.50	417.88	402.70
USGS073802516 Barataria Pass at Grand Isle	406.97	288.37	198.35	180.84	210.35	188.05	222.78	311.71	237.65	283.39	367.18	384.75
HWQ14 - Lake Washington	232.93	215.24	149.35	140.99	163.49	148.70	115.75	148.80	122.71	125.56	199.85	228.06
HWQ16 - Bayou Grand Liard	579.83	346.81	308.92	275.72	293.78	270.63	417.46	493.89	455.89	537.47	567.75	550.22
CRMS 3985	100.32	127.25	114.60	109.02	108.93	101.61	59.01	45.21	48.54	55.11	82.24	96.73
CRMS 0258	306.00	123.42	82.24	60.54	81.47	53.86	97.88	139.69	151.67	239.60	347.98	332.89
CRMS 0224	344.14	179.71	121.16	92.41	114.17	91.77	133.00	198.59	192.93	254.21	364.07	360.93
CRMS 0163	58.71	14.25	20.35	46.74	20.65	21.10	31.15	58.83	70.22	142.54	110.66	87.72
CRMS 0162	122.35	90.52	173.02	177.19	181.62	82.64	18.91	111.08	321.25	410.88	426.61	346.28

V3PR6 HYST - cy 5 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.64	10.97	12.38	11.77	12.05	12.45	13.17	14.82	17.15	19.32	24.34	20.31
CRMS0276 - Just east of Wilkinson Canal	232.58	78.93	69.24	65.21	99.00	57.64	58.63	147.43	262.83	375.46	392.80	382.56
Barataria Waterway at Lafitte (USACE82875)	129.90	23.50	21.39	36.85	67.04	18.88	40.49	64.29	115.27	173.56	173.79	115.75
USGS2928590900040000 Barataria Waterway South of Lafitte	13.54	10.97	12.36	11.73	12.03	12.40	13.09	18.37	80.72	121.59	192.00	159.24
USGS7380251 Barataria Bay North of Grand Isle	23.40	12.22	12.86	11.72	12.17	11.95	12.24	15.77	27.55	40.60	80.47	77.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	34.31	12.71	13.12	12.25	13.20	12.57	13.08	59.51	150.12	187.52	303.36	265.44
USGS 07380335 - Little Lake Near Cutoff	112.54	23.78	16.88	15.58	19.97	15.28	21.09	122.97	225.40	299.22	390.43	361.00
USGS073802516 Barataria Pass at Grand Isle	107.92	26.21	17.74	17.11	25.05	19.73	26.64	129.44	199.56	260.14	338.43	333.14
HWQ14 - Lake Washington	49.55	18.65	14.01	13.24	17.59	12.31	11.57	34.20	76.59	91.57	158.38	158.74
HWQ16 - Bayou Grand Liard	422.15	151.69	140.40	118.66	152.22	160.13	294.17	431.48	457.73	536.92	558.57	542.97
CRMS 3985	34.74	17.21	14.14	12.26	12.78	11.61	11.51	12.95	21.51	32.03	54.81	59.68
CRMS 0258	64.86	24.80	17.41	17.91	21.84	14.29	12.80	45.05	152.58	260.81	371.34	330.40
CRMS 0224	53.65	18.95	14.62	15.27	20.22	14.00	13.26	63.79	171.66	252.13	372.12	338.12
CRMS 0163	95.95	28.70	30.67	77.86	37.96	33.88	45.14	69.85	136.60	220.81	132.30	144.99
CRMS 0162	181.02	126.03	214.29	221.87	222.64	110.71	53.10	172.06	438.56	495.45	446.43	404.91

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-175.05	-176.67	-109.41	-81.66	-91.17	-82.70	-73.57	-77.46	-116.77	-110.45	-166.48	-196.43
CRMS0276 - Just east of Wilkinson Canal	-110.25	-15.97	-20.35	-5.51	2.36	-19.36	-101.92	-84.13	11.86	26.46	7.33	23.80
Barataria Waterway at Lafitte (USACE82875)	9.91	8.75	4.14	12.83	27.85	4.46	12.62	9.86	35.76	40.82	-5.76	20.83
USGS2928590900040000 Barataria Waterway South of Lafitte	-218.79	-174.09	-101.55	-67.88	-83.82	-66.88	-84.13	-95.14	-86.95	-49.11	-59.97	-120.17
USGS7380251 Barataria Bay North of Grand Isle	-122.78	-149.96	-110.15	-97.91	-100.15	-94.69	-60.13	-49.00	-44.83	-38.50	-48.96	-66.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	-324.90	-230.29	-148.39	-125.27	-140.02	-126.73	-143.01	-169.96	-44.26	-52.08	-45.78	-77.64
USGS 07380335 - Little Lake Near Cutoff	-316.48	-224.50	-157.98	-131.81	-150.68	-121.92	-174.41	-174.84	-34.57	-27.28	-27.45	-41.70
USGS073802516 Barataria Pass at Grand Isle	-299.05	-262.15	-180.62	-163.72	-185.30	-168.32	-196.14	-182.27	-38.09	-23.25	-28.75	-51.61
HWQ14 - Lake Washington	-183.38	-196.59	-135.34	-127.75	-145.89	-136.39	-104.18	-114.60	-46.11	-33.99	-41.47	-69.33
HWQ16 - Bayou Grand Liard	-157.68	-195.12	-168.52	-157.06	-141.56	-110.50	-123.28	-62.41	1.84	-0.55	-9.17	-7.25
CRMS 3985	-65.58	-110.03	-100.46	-96.76	-96.15	-89.99	-47.50	-32.26	-27.03	-23.08	-27.43	-37.05
CRMS 0258	-241.14	-98.63	-64.83	-42.63	-59.63	-39.57	-85.08	-94.64	0.90	21.21	23.36	-2.49
CRMS 0224	-290.50	-160.76	-106.54	-77.14	-93.95	-77.77	-119.74	-134.80	-21.27	-2.08	8.06	-22.81
CRMS 0163	37.24	14.45	10.32	31.12	17.31	12.78	13.98	11.03	66.38	78.27	21.64	57.28
CRMS 0162	58.67	35.50	41.27	44.69	41.01	28.07	34.19	60.97	117.32	84.57	19.82	58.64

Figure WQ SO4 224 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.83	223.79	174.63	94.78	81.37	70.62	70.65	84.01	143.46	134.98	204.05	205.38
CRMS0276 - Just east of Wilkinson Canal	288.11	327.71	165.31	66.03	41.93	34.13	124.67	244.44	274.53	386.09	404.15	193.99
Barataria Waterway at Lafitte (USACE82875)	137.91	123.91	26.04	15.13	15.39	11.75	25.84	66.29	94.97	164.74	185.36	27.15
USGS2928590900040000 Barataria Waterway South of Lafitte	180.82	263.18	216.76	77.81	64.23	55.14	76.75	104.57	183.32	178.08	271.65	251.22
USGS7380251 Barataria Bay North of Grand Isle	129.56	161.20	121.64	108.51	101.68	88.49	61.82	58.04	73.45	81.12	137.92	144.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	306.39	315.68	242.71	141.49	125.80	103.72	123.74	223.76	205.37	250.08	373.61	307.91
USGS 07380335 - Little Lake Near Cutoff	375.77	362.19	276.58	151.23	129.75	94.96	155.71	303.34	276.99	342.34	442.43	337.97
USGS073802516 Barataria Pass at Grand Isle	354.73	361.99	268.76	185.86	172.80	136.88	180.75	308.65	249.31	297.32	387.42	344.16
HWQ14 - Lake Washington	201.46	224.79	162.19	144.06	147.52	118.88	93.85	135.56	125.79	130.26	214.40	225.95
HWQ16 - Bayou Grand Liard	546.81	515.43	388.39	270.92	214.14	193.80	376.29	512.59	471.95	556.32	582.62	447.75
CRMS 3985	91.41	111.67	86.49	102.01	100.91	88.51	52.02	40.52	47.37	55.75	86.78	100.41
CRMS 0258	218.24	288.76	223.31	56.87	40.98	33.48	71.41	131.87	169.59	256.41	381.09	231.89
CRMS 0224	272.84	312.50	254.42	90.21	70.62	62.67	101.82	192.53	209.02	267.29	394.55	291.88
CRMS 0163	110.74	128.28	21.11	18.69	12.71	13.83	28.62	70.95	84.95	189.10	103.43	20.90
CRMS 0162	261.41	421.07	188.50	150.40	97.09	44.54	18.49	137.30	383.95	499.53	422.51	105.67

V3PR6 HYST - cy 5 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.67	21.51	11.86	11.36	12.24	11.54	13.05	15.75	17.63	20.46	24.34	11.91
CRMS0276 - Just east of Wilkinson Canal	238.63	283.61	170.04	60.07	35.85	23.93	47.25	210.29	291.25	431.80	426.34	182.49
Barataria Waterway at Lafitte (USACE82875)	125.13	134.81	33.35	27.78	32.03	12.61	32.36	71.15	181.34	289.39	189.98	35.61
USGS2928590900040000 Barataria Waterway South of Lafitte	30.22	114.76	15.46	11.35	12.23	11.52	12.96	29.08	102.08	128.49	201.33	11.99
USGS7380251 Barataria Bay North of Grand Isle	26.43	76.81	20.99	11.92	12.30	11.39	11.91	19.75	31.22	40.66	84.09	22.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	122.12	211.38	31.30	11.84	12.32	11.47	13.15	124.36	171.31	193.85	318.88	21.71
USGS 07380335 - Little Lake Near Cutoff	214.83	271.76	59.34	14.67	13.45	11.88	21.02	223.95	251.53	313.33	420.02	65.89
USGS073802516 Barataria Pass at Grand Isle	200.39	272.97	59.36	16.58	14.81	13.15	24.61	235.18	216.96	269.65	358.54	70.66
HWQ14 - Lake Washington	61.98	140.37	40.18	14.47	13.52	11.59	11.04	66.85	82.17	91.33	168.75	57.28
HWQ16 - Bayou Grand Liard	484.94	460.00	219.74	104.57	80.24	90.98	262.35	495.34	474.59	558.61	579.44	290.43
CRMS 3985	23.99	55.56	27.88	13.98	12.73	11.52	11.14	14.24	23.82	31.92	57.69	37.22
CRMS 0258	115.74	217.78	65.89	16.37	14.01	11.67	12.48	83.72	184.57	284.00	421.32	79.66
CRMS 0224	140.07	231.59	50.44	14.14	13.54	11.62	13.18	130.55	200.35	265.66	409.25	60.83
CRMS 0163	115.31	176.77	34.28	53.30	14.51	19.30	37.34	81.47	213.55	347.31	126.72	34.46
CRMS 0162	301.78	464.13	231.94	184.62	122.47	53.56	40.53	202.08	500.03	573.16	435.95	174.40

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-142.15	-202.28	-162.77	-83.42	-69.13	-59.08	-57.60	-68.26	-125.83	-114.52	-179.71	-193.47
CRMS0276 - Just east of Wilkinson Canal	-49.47	-44.10	4.73	-5.95	-6.09	-10.20	-77.43	-34.15	16.72	45.71	22.19	-11.50
Barataria Waterway at Lafitte (USACE82875)	-12.78	10.90	7.31	12.65	16.64	0.87	6.52	4.86	86.36	124.65	4.62	8.46
USGS2928590900040000 Barataria Waterway South of Lafitte	-150.61	-148.42	-201.30	-66.46	-52.00	-43.63	-63.79	-75.49	-81.24	-49.58	-70.32	-239.24
USGS7380251 Barataria Bay North of Grand Isle	-103.13	-84.39	-100.65	-96.59	-89.38	-77.10	-49.91	-38.29	-42.23	-40.47	-53.83	-122.21
USGS73802515 Hackberry Bay Northwest of Grand Isle	-184.27	-104.30	-211.41	-129.65	-113.48	-92.25	-110.59	-99.40	-34.06	-56.23	-54.73	-286.20
USGS 07380335 - Little Lake Near Cutoff	-160.94	-90.43	-217.25	-136.56	-116.31	-83.07	-134.69	-79.38	-25.46	-29.01	-22.41	-272.08
USGS073802516 Barataria Pass at Grand Isle	-154.35	-89.02	-209.40	-169.29	-157.99	-123.73	-156.14	-73.46	-32.35	-27.67	-28.89	-273.51
HWQ14 - Lake Washington	-139.47	-84.42	-122.02	-129.58	-134.01	-107.29	-82.81	-68.71	-43.63	-38.93	-45.65	-168.68
HWQ16 - Bayou Grand Liard	-61.88	-55.43	-168.65	-166.35	-133.90	-102.82	-113.93	-17.25	2.64	2.29	-3.19	-157.32
CRMS 3985	-67.41	-56.11	-58.62	-88.04	-88.17	-76.99	-40.89	-26.28	-23.55	-23.83	-29.10	-63.19
CRMS 0258	-102.50	-70.98	-157.42	-40.50	-26.97	-21.81	-58.92	-48.15	14.98	27.59	40.23	-152.23
CRMS 0224	-132.76	-80.91	-203.97	-76.06	-57.08	-51.05	-88.64	-61.98	-8.67	-1.63	14.70	-231.05
CRMS 0163	4.56	48.49	13.17	34.61	1.80	5.47	8.73	10.52	128.60	158.20	23.30	13.56
CRMS 0162	40.37	43.06	43.43	34.22	25.38	9.02	22.05	64.78	116.08	73.63	13.45	68.73

Figure WQ SO4 225 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	196.53	217.75	145.98	80.05	64.60	66.19	81.93	107.49	139.49	110.25	180.27	217.31
CRMS0276 - Just east of Wilkinson Canal	380.72	213.17	84.79	36.56	32.84	55.15	110.61	232.16	230.89	289.79	393.01	413.33
Barataria Waterway at Lafitte (USACE82875)	171.61	47.49	13.66	12.35	11.64	12.28	19.26	52.81	58.84	108.88	188.98	140.55
USGS2928590900040000 Barataria Waterway South of Lafitte	243.90	234.62	154.23	61.86	47.83	53.77	85.47	125.95	165.53	133.63	239.35	282.60
USGS7380251 Barataria Bay North of Grand Isle	151.31	170.30	121.61	101.12	89.35	81.44	77.77	84.14	82.93	75.77	122.92	143.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	386.15	296.58	191.34	119.62	103.09	101.70	140.28	234.25	191.13	203.73	337.57	354.09
USGS 07380335 - Little Lake Near Cutoff	465.06	326.14	204.05	122.21	105.87	99.19	162.18	298.34	248.61	281.51	409.96	422.81
USGS073802516 Barataria Pass at Grand Isle	434.40	345.87	223.65	158.87	143.65	142.88	197.42	313.23	237.31	251.35	356.75	395.81
HWQ14 - Lake Washington	244.80	232.74	155.69	132.71	125.02	113.10	117.26	163.71	133.53	116.85	189.47	228.36
HWQ16 - Bayou Grand Liard	617.09	453.59	316.50	217.32	189.29	232.20	361.81	498.01	442.31	495.73	568.34	576.50
CRMS 3985	101.85	124.55	99.45	101.65	93.08	81.85	72.17	65.12	58.72	56.78	79.10	95.22
CRMS 0258	325.18	208.59	113.60	38.84	29.43	38.02	78.06	142.43	138.25	181.52	345.07	360.75
CRMS 0224	369.68	259.31	160.22	67.97	54.49	65.27	112.34	202.03	182.53	203.36	354.46	377.78
CRMS 0163	108.09	45.81	13.68	12.51	11.68	15.40	20.67	62.27	64.98	123.78	120.58	112.80
CRMS 0162	184.61	196.85	132.49	93.79	93.11	66.91	16.23	121.58	272.61	315.91	443.75	374.28

V3PR7 HYST - cy 5 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.25	15.11	11.24	11.73	11.09	11.47	12.13	15.25	15.76	16.86	25.77	21.42
CRMS0276 - Just east of Wilkinson Canal	346.05	196.25	71.65	33.16	30.61	36.70	34.04	161.31	232.22	268.19	393.67	425.78
Barataria Waterway at Lafitte (USACE82875)	172.31	53.33	17.64	14.20	13.75	14.31	23.98	64.64	114.50	122.85	192.22	176.55
USGS2928590900040000 Barataria Waterway South of Lafitte	30.46	37.28	11.23	11.72	11.09	11.44	12.04	17.05	40.52	33.71	164.22	148.01
USGS7380251 Barataria Bay North of Grand Isle	44.24	34.31	12.73	11.97	11.28	11.25	11.27	15.15	26.68	26.67	77.66	77.58
USGS73802515 Hackberry Bay Northwest of Grand Isle	118.28	88.24	11.69	11.86	11.21	11.42	11.96	59.35	108.27	89.75	282.51	260.18
USGS 07380335 - Little Lake Near Cutoff	253.96	136.30	14.33	12.96	11.83	12.22	15.58	133.53	190.24	173.93	369.41	364.45
USGS073802516 Barataria Pass at Grand Isle	239.72	151.71	17.45	13.72	13.22	13.93	17.79	147.91	173.16	162.75	322.62	333.87
HWQ14 - Lake Washington	91.63	70.86	17.97	13.32	12.47	11.04	10.41	36.46	75.65	55.86	150.09	156.30
HWQ16 - Bayou Grand Liard	548.52	338.05	114.58	65.40	70.98	116.38	221.48	440.20	419.89	451.24	550.06	558.15
CRMS 3985	45.08	35.50	17.98	13.23	12.01	10.94	10.64	12.30	22.64	26.34	54.82	59.41
CRMS 0258	173.24	96.20	15.84	13.28	11.70	12.06	11.63	43.92	128.84	125.35	346.75	346.50
CRMS 0224	158.90	97.15	12.82	12.63	11.55	11.91	11.90	61.21	140.55	116.55	344.08	340.25
CRMS 0163	127.57	64.56	21.33	20.22	16.68	23.03	27.52	74.96	116.25	162.10	142.21	172.69
CRMS 0162	252.78	285.90	172.91	116.40	121.98	103.71	23.79	177.31	386.21	384.56	460.84	448.90

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-180.28	-202.64	-134.74	-68.32	-53.51	-54.72	-69.80	-92.24	-123.73	-93.39	-154.50	-195.90
CRMS0276 - Just east of Wilkinson Canal	-34.67	-16.92	-13.15	-3.40	-2.23	-18.45	-76.57	-70.84	1.33	-21.59	0.67	12.45
Barataria Waterway at Lafitte (USACE82875)	0.70	5.84	3.98	1.85	2.11	2.03	4.73	11.83	55.66	13.97	3.24	35.99
USGS2928590900040000 Barataria Waterway South of Lafitte	-213.44	-197.35	-143.00	-50.14	-36.74	-42.33	-73.43	-108.91	-125.01	-99.92	-75.13	-134.59
USGS7380251 Barataria Bay North of Grand Isle	-107.07	-135.98	-108.87	-89.14	-78.07	-70.19	-66.50	-68.99	-56.26	-49.10	-45.27	-66.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	-267.87	-208.34	-179.65	-107.75	-91.88	-90.28	-128.32	-174.90	-82.87	-113.97	-55.06	-93.91
USGS 07380335 - Little Lake Near Cutoff	-211.09	-189.84	-189.71	-109.25	-94.04	-86.97	-146.60	-164.82	-58.37	-107.58	-40.55	-58.36
USGS073802516 Barataria Pass at Grand Isle	-194.68	-194.16	-206.20	-145.15	-130.43	-128.95	-179.63	-165.32	-64.15	-88.61	-34.12	-61.94
HWQ14 - Lake Washington	-153.16	-161.88	-137.72	-119.39	-112.55	-102.05	-106.86	-127.25	-57.88	-60.99	-39.37	-72.06
HWQ16 - Bayou Grand Liard	-68.58	-115.54	-201.92	-151.92	-118.31	-115.82	-140.33	-57.80	-22.43	-44.49	-18.27	-18.35
CRMS 3985	-56.77	-89.05	-81.47	-88.42	-81.07	-70.91	-61.53	-52.83	-36.09	-30.44	-24.28	-35.81
CRMS 0258	-151.95	-112.39	-97.76	-25.56	-17.72	-25.96	-66.43	-98.51	-9.40	-56.17	1.68	-14.25
CRMS 0224	-210.78	-162.16	-147.40	-55.34	-42.94	-53.36	-100.44	-140.82	-41.98	-86.80	-10.38	-37.53
CRMS 0163	19.48	18.75	7.65	7.71	5.00	7.63	6.86	12.69	51.27	38.32	21.63	59.89
CRMS 0162	68.16	89.05	40.42	22.61	28.87	36.80	7.56	55.74	113.60	68.65	17.09	74.62

Figure WQ SO4 226 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	176.97	190.53	124.43	76.66	70.63	70.90	98.27	131.86	201.89	183.32	233.35	223.13
CRMS0276 - Just east of Wilkinson Canal	319.30	130.49	63.23	52.56	38.13	118.86	265.37	358.52	368.89	459.40	406.69	279.86
Barataria Waterway at Lafitte (USACE82875)	139.94	20.49	12.18	13.02	11.89	28.18	78.71	138.88	167.99	249.92	179.95	54.42
USGS2928590900040000 Barataria Waterway South of Lafitte	210.22	195.90	119.14	62.35	54.37	59.46	108.32	163.25	265.98	248.23	305.23	273.18
USGS7380251 Barataria Bay North of Grand Isle	143.39	159.06	119.14	96.55	92.72	85.25	83.22	88.07	102.86	109.29	161.03	159.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	339.47	254.69	159.38	117.33	110.65	115.18	205.76	321.20	282.14	319.08	404.16	332.88
USGS 07380335 - Little Lake Near Cutoff	408.12	269.29	165.63	126.35	114.89	124.44	279.21	415.29	362.54	415.10	468.66	376.16
USGS073802516 Barataria Pass at Grand Isle	387.62	300.72	192.82	157.73	153.59	171.33	295.32	415.36	323.99	360.94	418.43	373.26
HWQ14 - Lake Washington	223.97	214.50	147.21	124.84	131.93	120.11	138.28	203.97	172.09	173.42	245.13	241.95
HWQ16 - Bayou Grand Liard	569.14	379.11	275.47	244.91	205.22	305.62	531.38	609.55	544.48	601.02	593.56	503.87
CRMS 3985	101.49	121.87	107.27	99.01	94.43	84.62	71.23	57.43	65.39	74.60	103.97	111.87
CRMS 0258	263.24	149.75	81.05	46.93	34.26	53.23	126.80	218.66	259.01	346.14	404.18	270.20
CRMS 0224	312.34	203.55	120.27	74.49	61.26	80.09	174.02	287.59	301.92	350.88	423.50	323.73
CRMS 0163	90.78	20.15	12.73	13.99	12.13	52.46	77.54	125.49	170.01	284.61	93.80	41.76
CRMS 0162	182.05	115.16	112.63	140.81	108.44	148.33	80.89	274.73	528.39	581.09	393.59	189.48

V3PR7 HYST - cy 5 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.56	11.47	10.85	10.94	10.99	15.16	16.14	17.76	19.93	22.72	26.91	15.90
CRMS0276 - Just east of Wilkinson Canal	260.91	103.46	49.03	49.84	35.07	117.59	257.61	371.06	399.92	505.99	429.47	267.59
Barataria Waterway at Lafitte (USACE82875)	143.45	34.48	14.93	22.11	21.02	32.30	82.31	147.41	338.11	373.34	186.28	56.35
USGS2928590900040000 Barataria Waterway South of Lafitte	21.48	11.48	10.85	10.93	10.97	14.64	23.98	50.58	142.78	159.71	226.80	94.15
USGS7380251 Barataria Bay North of Grand Isle	30.11	13.82	11.22	11.04	10.98	12.14	20.42	40.45	44.33	52.29	92.72	60.41
USGS73802515 Hackberry Bay Northwest of Grand Isle	62.68	15.47	11.01	11.10	11.02	33.54	124.93	242.19	235.58	239.62	344.52	147.25
USGS 07380335 - Little Lake Near Cutoff	152.60	33.37	12.06	12.51	11.72	57.33	230.67	377.20	338.95	376.20	438.44	228.28
USGS073802516 Barataria Pass at Grand Isle	151.75	37.77	13.25	13.31	12.80	75.20	247.42	390.97	287.64	321.90	377.68	233.40
HWQ14 - Lake Washington	54.08	22.22	12.82	11.71	11.66	20.38	67.43	157.26	113.70	113.16	181.09	130.89
HWQ16 - Bayou Grand Liard	470.29	194.57	83.61	82.92	77.88	267.02	532.51	616.00	547.98	604.03	588.78	445.63
CRMS 3985	32.10	18.73	12.93	11.48	11.11	10.92	15.06	26.39	34.22	40.81	64.27	59.37
CRMS 0258	89.99	31.23	12.60	13.42	11.93	22.73	88.24	207.24	297.64	372.75	443.39	172.50
CRMS 0224	81.14	23.78	11.46	12.23	11.69	30.96	136.93	264.33	300.20	335.75	430.49	180.50
CRMS 0163	108.90	41.81	18.75	38.44	19.41	67.35	86.59	168.48	394.86	440.10	110.65	61.23
CRMS 0162	245.22	172.05	148.10	164.95	137.10	193.84	155.96	334.49	611.07	628.09	424.43	299.40

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-161.40	-179.06	-113.58	-65.73	-59.64	-55.75	-82.13	-114.11	-181.95	-160.60	-206.44	-207.23
CRMS0276 - Just east of Wilkinson Canal	-58.39	-27.03	-14.20	-2.72	-3.05	-1.27	-7.76	12.54	31.02	46.60	22.78	-12.27
Barataria Waterway at Lafitte (USACE82875)	3.51	13.99	2.75	9.10	9.13	4.13	3.61	8.53	170.12	123.42	6.33	1.93
USGS2928590900040000 Barataria Waterway South of Lafitte	-188.75	-184.42	-108.29	-51.42	-43.40	-44.82	-84.34	-112.67	-123.20	-88.52	-78.43	-179.03
USGS7380251 Barataria Bay North of Grand Isle	-113.28	-145.24	-107.92	-85.50	-81.74	-73.11	-62.80	-47.62	-58.53	-57.00	-68.31	-98.60
USGS73802515 Hackberry Bay Northwest of Grand Isle	-276.79	-239.22	-148.37	-106.23	-99.63	-81.64	-80.82	-79.01	-46.56	-79.46	-59.64	-185.63
USGS 07380335 - Little Lake Near Cutoff	-255.52	-235.92	-153.57	-113.83	-103.18	-67.11	-48.54	-38.09	-23.59	-38.91	-30.22	-147.89
USGS073802516 Barataria Pass at Grand Isle	-235.87	-262.94	-179.57	-144.41	-140.79	-96.13	-47.90	-24.39	-36.35	-39.04	-40.75	-139.86
HWQ14 - Lake Washington	-169.88	-192.28	-134.39	-113.13	-120.27	-99.72	-70.85	-46.71	-58.39	-60.25	-64.04	-111.06
HWQ16 - Bayou Grand Liard	-98.85	-184.54	-191.86	-161.99	-127.34	-38.60	1.13	6.45	3.50	3.01	-4.77	-58.24
CRMS 3985	-69.39	-103.14	-94.35	-87.53	-83.32	-73.69	-56.17	-31.04	-31.17	-33.79	-39.70	-52.50
CRMS 0258	-173.25	-118.51	-68.44	-33.51	-22.34	-30.50	-38.56	-11.41	38.63	26.61	39.21	-97.70
CRMS 0224	-231.20	-179.77	-108.81	-62.26	-49.57	-49.14	-37.08	-23.26	-1.72	-15.13	6.99	-143.23
CRMS 0163	18.12	21.65	6.01	24.45	7.28	14.90	9.05	42.98	224.85	155.50	16.85	19.46
CRMS 0162	63.17	56.90	35.46	24.14	28.66	45.51	75.08	59.75	82.68	47.00	30.84	109.92

Figure WQ SO4 227 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	184.93	225.32	165.38	132.48	151.57	142.60	128.28	156.33	246.46	224.94	226.36	201.52
CRMS0276 - Just east of Wilkinson Canal	404.36	222.19	227.16	163.18	181.44	244.79	357.03	478.34	473.59	450.14	331.36	284.95
Barataria Waterway at Lafitte (USACE82875)	218.06	61.30	47.81	57.67	71.00	48.07	169.82	285.69	415.95	158.66	121.07	72.46
USGS2928590900040000 Barataria Waterway South of Lafitte	224.24	246.10	198.34	128.37	152.99	141.75	149.29	196.85	344.49	305.14	284.35	239.75
USGS7380251 Barataria Bay North of Grand Isle	144.94	173.35	118.26	121.09	136.68	132.18	93.52	99.35	120.17	132.77	165.22	149.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	372.31	307.70	233.45	190.82	205.64	203.41	259.73	400.39	355.86	369.64	385.35	305.27
USGS 07380335 - Little Lake Near Cutoff	461.21	333.80	279.88	222.10	236.13	224.47	356.74	518.72	448.56	459.15	436.26	353.63
USGS073802516 Barataria Pass at Grand Isle	423.43	356.61	266.07	244.22	271.57	280.39	359.49	500.67	395.86	404.53	405.09	352.52
HWQ14 - Lake Washington	232.31	241.64	154.01	161.16	196.95	188.55	164.66	249.48	206.95	209.68	249.76	224.16
HWQ16 - Bayou Grand Liard	627.09	465.65	437.13	377.29	382.83	421.87	610.76	695.09	611.69	613.04	553.80	501.84
CRMS 3985	99.15	123.86	85.41	101.05	119.31	117.79	70.63	61.49	74.20	88.65	112.11	108.71
CRMS 0258	310.46	214.65	223.68	124.83	144.57	156.99	189.64	276.90	369.45	383.14	334.94	247.57
CRMS 0224	350.20	268.45	241.71	158.16	179.14	175.23	232.17	362.17	400.33	403.12	382.68	293.95
CRMS 0163	160.28	63.49	41.99	95.10	45.77	90.45	152.03	255.08	436.79	166.35	58.54	65.18
CRMS 0162	321.60	240.71	337.41	318.86	291.44	324.50	313.83	459.25	666.53	505.04	306.77	228.36

V3PR7 HYST - cy 5 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	22.77	14.80	16.85	16.34	14.58	17.62	19.18	19.60	21.39	22.33	24.96	19.99
CRMS0276 - Just east of Wilkinson Canal	401.28	200.10	221.42	157.64	196.55	241.58	350.23	493.10	502.10	499.65	340.69	281.58
Barataria Waterway at Lafitte (USACE82875)	218.00	76.01	47.55	71.73	98.92	45.66	192.35	341.50	503.42	250.98	109.84	62.52
USGS2928590900040000 Barataria Waterway South of Lafitte	94.79	16.44	40.39	29.35	15.85	35.98	34.42	56.62	176.20	185.00	204.72	125.40
USGS7380251 Barataria Bay North of Grand Isle	73.85	39.36	39.23	35.46	30.58	46.22	48.20	49.03	53.84	60.88	92.81	78.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	247.12	62.72	96.59	74.10	37.31	111.20	172.26	273.49	283.47	265.60	320.38	222.13
USGS 07380335 - Little Lake Near Cutoff	384.47	133.20	162.09	112.36	74.15	155.10	303.18	444.98	404.88	406.64	399.75	297.99
USGS073802516 Barataria Pass at Grand Isle	361.17	151.31	149.17	121.75	102.79	190.50	315.23	448.58	344.42	349.71	355.77	288.66
HWQ14 - Lake Washington	154.75	83.58	67.77	60.65	67.99	87.52	106.55	164.35	134.68	129.45	178.39	148.36
HWQ16 - Bayou Grand Liard	619.91	385.24	377.99	314.98	308.88	402.44	610.61	696.27	611.67	613.29	541.50	481.18
CRMS 3985	59.16	49.86	40.57	33.76	38.20	42.79	41.08	36.48	42.17	47.75	67.76	64.67
CRMS 0258	288.66	90.37	142.43	86.54	65.37	107.91	146.44	250.60	403.32	410.81	352.64	229.40
CRMS 0224	300.07	85.06	128.45	89.13	57.02	117.31	194.00	313.13	380.27	373.53	380.09	260.42
CRMS 0163	179.00	92.66	54.49	130.14	74.60	98.45	209.07	385.50	551.64	296.83	64.59	77.56
CRMS 0162	386.86	334.05	367.29	371.02	358.65	397.54	453.00	542.18	685.74	600.17	358.13	316.80

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-162.17	-210.52	-148.53	-116.15	-136.99	-124.98	-109.09	-136.73	-225.06	-202.61	-201.40	-181.53
CRMS0276 - Just east of Wilkinson Canal	-3.08	-22.08	-5.74	-5.54	15.12	-3.21	-6.80	14.76	28.52	49.51	9.33	-3.37
Barataria Waterway at Lafitte (USACE82875)	-0.06	14.71	-0.26	14.06	27.92	-2.42	22.53	55.81	87.46	92.32	-11.22	-9.94
USGS2928590900040000 Barataria Waterway South of Lafitte	-129.45	-229.66	-157.95	-99.03	-137.14	-105.77	-114.87	-140.23	-168.28	-120.14	-79.63	-114.35
USGS7380251 Barataria Bay North of Grand Isle	-71.09	-133.99	-79.04	-85.63	-106.10	-85.96	-45.32	-50.32	-66.33	-71.89	-72.41	-70.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	-125.19	-244.98	-136.86	-116.71	-168.33	-92.21	-87.47	-126.90	-72.40	-104.04	-64.97	-83.13
USGS 07380335 - Little Lake Near Cutoff	-76.73	-200.60	-117.78	-109.74	-161.98	-69.37	-53.57	-73.74	-43.67	-52.51	-36.52	-55.63
USGS073802516 Barataria Pass at Grand Isle	-62.27	-205.31	-116.89	-122.47	-168.79	-89.88	-44.25	-52.09	-51.43	-54.82	-49.31	-63.86
HWQ14 - Lake Washington	-77.56	-158.05	-86.24	-100.52	-128.96	-101.03	-58.10	-85.13	-72.27	-80.22	-71.37	-75.80
HWQ16 - Bayou Grand Liard	-7.18	-80.41	-59.14	-62.30	-73.95	-19.43	-0.15	1.18	-0.02	0.25	-12.30	-20.65
CRMS 3985	-39.99	-74.00	-44.84	-67.29	-81.12	-75.00	-29.55	-25.01	-32.03	-40.89	-44.34	-44.04
CRMS 0258	-21.79	-124.28	-81.24	-38.29	-79.21	-49.08	-43.20	-26.30	33.87	27.68	17.70	-18.17
CRMS 0224	-50.13	-183.39	-113.26	-69.03	-122.12	-57.92	-38.17	-49.04	-20.07	-29.60	-2.59	-33.53
CRMS 0163	18.72	29.16	12.50	35.05	28.83	8.01	57.03	130.43	114.85	130.48	6.04	12.38
CRMS 0162	65.26	93.34	29.88	52.16	67.21	73.04	139.17	82.93	19.21	95.12	51.36	88.45

Figure WQ SO4 228 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	187.69	187.65	121.79	93.42	103.22	95.15	86.74	92.27	133.92	129.77	190.82	216.75
CRMS0276 - Just east of Wilkinson Canal	342.83	94.90	89.59	70.72	96.64	77.01	160.55	231.56	250.96	349.00	385.48	358.76
Barataria Waterway at Lafitte (USACE82875)	119.98	14.75	17.25	24.03	39.19	14.42	27.87	54.43	79.51	132.73	179.54	94.92
USGS2928590900040000 Barataria Waterway South of Lafitte	232.33	185.06	113.92	79.61	95.85	79.29	97.22	113.50	167.67	170.70	251.96	279.41
USGS7380251 Barataria Bay North of Grand Isle	146.18	162.18	123.02	109.64	112.33	106.64	72.37	64.77	72.38	79.10	129.43	144.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	359.21	243.00	161.52	137.52	153.22	139.30	156.09	229.47	194.38	239.60	349.14	343.08
USGS 07380335 - Little Lake Near Cutoff	429.02	248.28	174.86	147.38	170.65	137.19	195.50	297.81	259.98	326.50	417.88	402.70
USGS073802516 Barataria Pass at Grand Isle	406.97	288.37	198.35	180.84	210.35	188.05	222.78	311.71	237.65	283.39	367.18	384.75
HWQ14 - Lake Washington	232.93	215.24	149.35	140.99	163.49	148.70	115.75	148.80	122.71	125.56	199.85	228.06
HWQ16 - Bayou Grand Liard	579.83	346.81	308.92	275.72	293.78	270.63	417.46	493.89	455.89	537.47	567.75	550.22
CRMS 3985	100.32	127.25	114.60	109.02	108.93	101.61	59.01	45.21	48.54	55.11	82.24	96.73
CRMS 0258	306.00	123.42	82.24	60.54	81.47	53.86	97.88	139.69	151.67	239.60	347.98	332.89
CRMS 0224	344.14	179.71	121.16	92.41	114.17	91.77	133.00	198.59	192.93	254.21	364.07	360.93
CRMS 0163	58.71	14.25	20.35	46.74	20.65	21.10	31.15	58.83	70.22	142.54	110.66	87.72
CRMS 0162	122.35	90.52	173.02	177.19	181.62	82.64	18.91	111.08	321.25	410.88	426.61	346.28

V3PR7 HYST - cy 5 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.65	10.97	12.38	11.77	12.04	12.45	13.17	14.81	17.52	20.01	26.60	21.43
CRMS0276 - Just east of Wilkinson Canal	229.77	77.57	66.35	65.78	100.83	54.73	58.13	145.97	260.10	386.98	402.21	374.63
Barataria Waterway at Lafitte (USACE82875)	127.80	23.34	21.54	35.83	69.34	18.05	40.66	63.50	117.04	192.37	181.75	106.37
USGS2928590900040000 Barataria Waterway South of Lafitte	13.56	10.97	12.36	11.72	12.03	12.40	13.08	18.30	75.96	113.46	194.74	157.71
USGS7380251 Barataria Bay North of Grand Isle	24.57	12.55	13.04	11.79	12.21	11.97	12.18	15.82	27.63	41.17	78.75	77.38
USGS73802515 Hackberry Bay Northwest of Grand Isle	34.04	12.49	13.12	12.18	13.20	12.59	13.12	59.93	147.61	186.63	304.58	263.07
USGS 07380335 - Little Lake Near Cutoff	110.18	22.82	16.68	15.18	19.79	15.28	21.05	121.67	221.17	299.73	394.07	358.30
USGS073802516 Barataria Pass at Grand Isle	110.46	26.64	17.92	16.85	25.08	20.37	27.72	131.06	197.23	260.71	340.46	331.12
HWQ14 - Lake Washington	51.55	19.45	14.42	13.43	18.03	12.62	11.73	34.91	77.05	90.61	156.08	157.57
HWQ16 - Bayou Grand Liard	422.11	146.75	136.92	112.45	151.30	156.97	293.80	427.45	450.63	543.78	566.92	540.96
CRMS 3985	36.17	18.38	14.70	12.51	12.96	11.72	11.47	12.96	21.84	32.33	52.55	58.87
CRMS 0258	58.36	22.15	16.26	16.61	20.43	13.82	12.80	44.24	149.87	261.40	380.89	327.26
CRMS 0224	48.03	17.16	14.17	14.49	19.01	13.62	13.23	62.94	167.57	250.62	376.00	335.94
CRMS 0163	94.13	28.26	30.56	77.50	41.55	32.76	44.65	68.35	133.75	244.08	132.65	133.30
CRMS 0162	179.79	124.34	216.88	216.49	219.60	116.55	50.44	168.26	439.58	519.11	449.57	412.94

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-175.04	-176.67	-109.41	-81.66	-91.17	-82.70	-73.57	-77.47	-116.40	-109.76	-164.22	-195.32
CRMS0276 - Just east of Wilkinson Canal	-113.06	-17.33	-23.24	-4.94	4.19	-22.27	-102.42	-85.60	9.14	37.98	16.73	15.87
Barataria Waterway at Lafitte (USACE82875)	7.81	8.58	4.28	11.81	30.15	3.63	12.80	9.06	37.52	59.63	2.20	11.45
USGS2928590900040000 Barataria Waterway South of Lafitte	-218.77	-174.09	-101.55	-67.89	-83.81	-66.89	-84.14	-95.21	-91.71	-57.24	-57.22	-121.70
USGS7380251 Barataria Bay North of Grand Isle	-121.61	-149.63	-109.98	-97.85	-100.12	-94.67	-60.20	-48.95	-44.75	-37.93	-50.68	-67.05
USGS73802515 Hackberry Bay Northwest of Grand Isle	-325.16	-230.51	-148.40	-125.34	-140.02	-126.72	-142.97	-169.54	-46.77	-52.97	-44.56	-80.00
USGS 07380335 - Little Lake Near Cutoff	-318.84	-225.46	-158.18	-132.20	-150.87	-121.91	-174.45	-176.14	-38.81	-26.77	-23.81	-44.40
USGS073802516 Barataria Pass at Grand Isle	-296.51	-261.72	-180.43	-163.98	-185.27	-167.68	-195.06	-180.65	-40.42	-22.67	-26.72	-53.63
HWQ14 - Lake Washington	-181.38	-195.78	-134.93	-127.55	-145.46	-136.08	-104.02	-113.89	-45.66	-34.95	-43.77	-70.49
HWQ16 - Bayou Grand Liard	-157.71	-200.06	-172.00	-163.27	-142.48	-113.66	-123.66	-66.44	-5.26	6.31	-0.83	-9.26
CRMS 3985	-64.15	-108.87	-99.89	-96.50	-95.97	-89.88	-47.54	-32.25	-26.69	-22.77	-29.69	-37.86
CRMS 0258	-247.64	-101.27	-65.98	-43.93	-61.04	-40.04	-85.08	-95.44	-1.80	21.80	32.91	-5.63
CRMS 0224	-296.12	-162.54	-106.99	-77.92	-95.16	-78.15	-119.77	-135.65	-25.36	-3.59	11.93	-24.99
CRMS 0163	35.42	14.00	10.21	30.75	20.90	11.65	13.49	9.52	63.53	101.54	21.99	45.58
CRMS 0162	57.44	33.82	43.86	39.30	37.98	33.91	31.53	57.17	118.33	108.23	22.97	66.66

Figure WQ SO4 229 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.83	223.79	174.63	94.78	81.37	70.62	70.65	84.01	143.46	134.98	204.05	205.38
CRMS0276 - Just east of Wilkinson Canal	288.11	327.71	165.31	66.03	41.93	34.13	124.67	244.44	274.53	386.09	404.15	193.99
Barataria Waterway at Lafitte (USACE82875)	137.91	123.91	26.04	15.13	15.39	11.75	25.84	66.29	94.97	164.74	185.36	27.15
USGS2928590900040000 Barataria Waterway South of Lafitte	180.82	263.18	216.76	77.81	64.23	55.14	76.75	104.57	183.32	178.08	271.65	251.22
USGS7380251 Barataria Bay North of Grand Isle	129.56	161.20	121.64	108.51	101.68	88.49	61.82	58.04	73.45	81.12	137.92	144.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	306.39	315.68	242.71	141.49	125.80	103.72	123.74	223.76	205.37	250.08	373.61	307.91
USGS 07380335 - Little Lake Near Cutoff	375.77	362.19	276.58	151.23	129.75	94.96	155.71	303.34	276.99	342.34	442.43	337.97
USGS073802516 Barataria Pass at Grand Isle	354.73	361.99	268.76	185.86	172.80	136.88	180.75	308.65	249.31	297.32	387.42	344.16
HWQ14 - Lake Washington	201.46	224.79	162.19	144.06	147.52	118.88	93.85	135.56	125.79	130.26	214.40	225.95
HWQ16 - Bayou Grand Liard	546.81	515.43	388.39	270.92	214.14	193.80	376.29	512.59	471.95	556.32	582.62	447.75
CRMS 3985	91.41	111.67	86.49	102.01	100.91	88.51	52.02	40.52	47.37	55.75	86.78	100.41
CRMS 0258	218.24	288.76	223.31	56.87	40.98	33.48	71.41	131.87	169.59	256.41	381.09	231.89
CRMS 0224	272.84	312.50	254.42	90.21	70.62	62.67	101.82	192.53	209.02	267.29	394.55	291.88
CRMS 0163	110.74	128.28	21.11	18.69	12.71	13.83	28.62	70.95	84.95	189.10	103.43	20.90
CRMS 0162	261.41	421.07	188.50	150.40	97.09	44.54	18.49	137.30	383.95	499.53	422.51	105.67

V3PR7 HYST - cy 5 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.80	22.96	11.87	11.36	12.24	11.54	13.05	15.77	18.29	21.06	26.64	11.91
CRMS0276 - Just east of Wilkinson Canal	235.01	319.85	165.90	60.87	34.99	23.80	46.86	213.17	285.22	431.12	422.51	172.92
Barataria Waterway at Lafitte (USACE82875)	123.59	130.27	31.55	27.37	29.83	12.72	32.64	69.75	173.38	291.54	191.91	34.76
USGS2928590900040000 Barataria Waterway South of Lafitte	28.69	115.66	15.48	11.35	12.22	11.51	12.94	28.07	95.61	117.95	197.18	12.07
USGS7380251 Barataria Bay North of Grand Isle	26.73	77.57	21.96	12.10	12.35	11.42	11.85	20.28	32.59	41.59	80.74	22.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	120.27	222.20	32.50	11.81	12.31	11.47	13.10	126.81	170.26	191.32	313.29	21.49
USGS 07380335 - Little Lake Near Cutoff	211.03	291.70	61.46	14.50	13.35	11.89	20.60	226.70	249.13	309.74	415.37	63.46
USGS073802516 Barataria Pass at Grand Isle	197.65	285.93	62.25	16.67	15.01	13.38	24.90	239.74	218.53	267.52	355.57	70.39
HWQ14 - Lake Washington	61.53	142.64	42.28	15.04	13.88	11.74	11.08	69.41	86.10	90.42	164.48	57.73
HWQ16 - Bayou Grand Liard	481.22	485.64	222.87	103.72	80.56	90.74	261.63	501.49	471.71	561.99	577.93	283.87
CRMS 3985	24.45	55.42	29.35	14.65	12.99	11.64	11.10	14.51	24.95	32.66	54.98	37.57
CRMS 0258	111.30	242.41	63.41	15.50	13.53	11.61	12.52	83.26	181.41	279.02	416.90	68.81
CRMS 0224	136.83	249.84	48.27	13.59	13.16	11.58	13.14	130.87	195.86	260.35	402.04	51.47
CRMS 0163	114.32	179.75	31.93	52.37	14.20	20.64	37.36	78.15	196.47	347.88	124.86	33.38
CRMS 0162	309.81	490.18	231.81	193.44	121.58	55.89	42.56	196.08	492.80	573.63	439.52	185.20

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-142.03	-200.83	-162.77	-83.42	-69.13	-59.08	-57.60	-68.24	-125.17	-113.91	-177.41	-193.47
CRMS0276 - Just east of Wilkinson Canal	-53.09	-7.86	0.59	-5.16	-6.94	-10.33	-77.81	-31.27	10.70	45.03	18.35	-21.07
Barataria Waterway at Lafitte (USACE82875)	-14.32	6.36	5.51	12.25	14.44	0.97	6.80	3.46	78.41	126.80	6.55	7.61
USGS2928590900040000 Barataria Waterway South of Lafitte	-152.13	-147.52	-201.27	-66.46	-52.01	-43.63	-63.80	-76.50	-87.71	-60.12	-74.47	-239.16
USGS7380251 Barataria Bay North of Grand Isle	-102.82	-83.62	-99.68	-96.41	-89.33	-77.07	-49.97	-37.76	-40.85	-39.53	-57.17	-122.08
USGS73802515 Hackberry Bay Northwest of Grand Isle	-186.12	-93.48	-210.21	-129.68	-113.49	-92.24	-110.64	-96.94	-35.11	-58.76	-60.32	-286.42
USGS 07380335 - Little Lake Near Cutoff	-164.74	-70.49	-215.12	-136.72	-116.40	-83.06	-135.11	-76.64	-27.86	-32.60	-27.06	-274.51
USGS073802516 Barataria Pass at Grand Isle	-157.09	-76.06	-206.52	-169.19	-157.79	-123.49	-155.86	-68.91	-30.78	-29.80	-31.86	-273.78
HWQ14 - Lake Washington	-139.93	-82.16	-119.91	-129.02	-133.64	-107.14	-82.77	-66.15	-39.69	-39.83	-49.92	-168.22
HWQ16 - Bayou Grand Liard	-65.59	-29.79	-165.52	-167.20	-133.58	-103.06	-114.66	-11.10	-0.24	5.67	-4.69	-163.87
CRMS 3985	-66.96	-56.25	-57.14	-87.36	-87.92	-76.87	-40.92	-26.01	-22.42	-23.09	-31.81	-62.84
CRMS 0258	-106.94	-46.36	-159.89	-41.37	-27.45	-21.87	-58.89	-48.62	11.82	22.61	35.81	-163.09
CRMS 0224	-136.00	-62.66	-206.14	-76.62	-57.45	-51.09	-88.68	-61.66	-13.17	-6.94	7.50	-240.41
CRMS 0163	3.58	51.47	10.83	33.68	1.49	6.81	8.74	7.20	111.52	158.78	21.43	12.48
CRMS 0162	48.40	69.12	43.30	43.03	24.49	11.35	24.08	58.78	108.85	74.11	17.02	79.53

Figure WQ SO4 230 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	196.53	217.75	145.98	80.05	64.60	66.19	81.93	107.49	139.49	110.25	180.27	217.31
CRMS0276 - Just east of Wilkinson Canal	380.72	213.17	84.79	36.56	32.84	55.15	110.61	232.16	230.89	289.79	393.01	413.33
Barataria Waterway at Lafitte (USACE82875)	171.61	47.49	13.66	12.35	11.64	12.28	19.26	52.81	58.84	108.88	188.98	140.55
USGS2928590900040000 Barataria Waterway South of Lafitte	243.90	234.62	154.23	61.86	47.83	53.77	85.47	125.95	165.53	133.63	239.35	282.60
USGS7380251 Barataria Bay North of Grand Isle	151.31	170.30	121.61	101.12	89.35	81.44	77.77	84.14	82.93	75.77	122.92	143.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	386.15	296.58	191.34	119.62	103.09	101.70	140.28	234.25	191.13	203.73	337.57	354.09
USGS 07380335 - Little Lake Near Cutoff	465.06	326.14	204.05	122.21	105.87	99.19	162.18	298.34	248.61	281.51	409.96	422.81
USGS073802516 Barataria Pass at Grand Isle	434.40	345.87	223.65	158.87	143.65	142.88	197.42	313.23	237.31	251.35	356.75	395.81
HWQ14 - Lake Washington	244.80	232.74	155.69	132.71	125.02	113.10	117.26	163.71	133.53	116.85	189.47	228.36
HWQ16 - Bayou Grand Liard	617.09	453.59	316.50	217.32	189.29	232.20	361.81	498.01	442.31	495.73	568.34	576.50
CRMS 3985	101.85	124.55	99.45	101.65	93.08	81.85	72.17	65.12	58.72	56.78	79.10	95.22
CRMS 0258	325.18	208.59	113.60	38.84	29.43	38.02	78.06	142.43	138.25	181.52	345.07	360.75
CRMS 0224	369.68	259.31	160.22	67.97	54.49	65.27	112.34	202.03	182.53	203.36	354.46	377.78
CRMS 0163	108.09	45.81	13.68	12.51	11.68	15.40	20.67	62.27	64.98	123.78	120.58	112.80
CRMS 0162	184.61	196.85	132.49	93.79	93.11	66.91	16.23	121.58	272.61	315.91	443.75	374.28

V3PR8 HYST - cy 5 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.91	14.81	11.24	11.75	11.09	11.47	12.13	15.25	15.62	16.68	24.66	20.28
CRMS0276 - Just east of Wilkinson Canal	345.37	198.32	70.07	32.46	27.25	32.62	32.49	155.31	218.69	262.84	383.71	412.56
Barataria Waterway at Lafitte (USACE82875)	153.65	49.82	16.22	12.88	12.43	13.91	23.67	65.40	62.37	113.63	149.35	131.51
USGS2928590900040000 Barataria Waterway South of Lafitte	33.77	40.56	11.23	11.74	11.09	11.44	12.01	17.17	40.87	32.90	161.09	143.04
USGS7380251 Barataria Bay North of Grand Isle	38.82	29.95	11.88	11.80	11.19	11.29	11.46	14.69	24.59	23.10	69.45	71.57
USGS73802515 Hackberry Bay Northwest of Grand Isle	112.77	88.56	11.58	11.85	11.19	11.38	11.88	52.84	105.05	82.52	273.87	254.96
USGS 07380335 - Little Lake Near Cutoff	250.31	136.11	14.28	12.95	11.74	11.96	14.93	124.96	181.74	169.35	360.82	360.67
USGS073802516 Barataria Pass at Grand Isle	227.93	143.78	16.18	13.17	12.64	12.87	15.73	135.03	162.65	152.50	310.41	325.46
HWQ14 - Lake Washington	82.19	62.40	15.43	12.39	11.87	10.73	10.39	32.26	68.07	47.89	142.02	145.21
HWQ16 - Bayou Grand Liard	538.80	329.53	109.12	63.69	64.95	109.67	203.82	424.18	402.04	445.60	541.33	550.08
CRMS 3985	41.06	29.92	14.66	12.26	11.58	10.90	10.86	12.13	20.84	23.02	48.15	54.97
CRMS 0258	187.24	104.83	18.80	14.12	11.82	12.01	11.54	43.53	124.18	124.76	337.12	341.06
CRMS 0224	163.54	101.12	13.51	13.03	11.60	11.85	11.83	58.25	137.39	113.64	335.90	337.50
CRMS 0163	112.27	53.22	18.24	15.02	13.20	18.47	23.31	63.28	72.36	130.87	127.41	118.37
CRMS 0162	211.18	229.91	153.21	98.17	96.20	88.81	16.69	140.49	303.57	344.26	458.71	387.96

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-180.62	-202.94	-134.74	-68.30	-53.51	-54.72	-69.80	-92.24	-123.88	-93.57	-155.61	-197.04
CRMS0276 - Just east of Wilkinson Canal	-35.35	-14.85	-14.73	-4.11	-5.59	-22.53	-78.12	-76.84	-12.19	-26.95	-9.30	-0.77
Barataria Waterway at Lafitte (USACE82875)	-17.97	2.33	2.56	0.53	0.80	1.62	4.42	12.59	3.53	4.75	-39.63	-9.05
USGS2928590900040000 Barataria Waterway South of Lafitte	-210.13	-194.06	-143.00	-50.12	-36.73	-42.33	-73.46	-108.78	-124.66	-100.73	-78.25	-139.56
USGS7380251 Barataria Bay North of Grand Isle	-112.49	-140.35	-109.73	-89.32	-78.16	-70.15	-66.31	-69.45	-58.35	-52.67	-53.47	-72.34
USGS73802515 Hackberry Bay Northwest of Grand Isle	-273.38	-208.02	-179.76	-107.77	-91.89	-90.31	-128.40	-181.41	-86.08	-121.21	-63.70	-99.13
USGS 07380335 - Little Lake Near Cutoff	-214.74	-190.03	-189.77	-109.26	-94.13	-87.23	-147.25	-173.39	-66.87	-112.16	-49.14	-62.14
USGS073802516 Barataria Pass at Grand Isle	-206.46	-202.09	-207.48	-145.70	-131.02	-130.01	-181.69	-178.21	-74.66	-98.85	-46.33	-70.35
HWQ14 - Lake Washington	-162.60	-170.34	-140.26	-120.32	-113.15	-102.37	-106.87	-131.45	-65.46	-68.96	-47.45	-83.15
HWQ16 - Bayou Grand Liard	-78.30	-124.06	-207.38	-153.63	-124.34	-122.53	-157.99	-73.83	-40.28	-50.14	-27.01	-26.42
CRMS 3985	-60.79	-94.63	-84.79	-89.39	-81.50	-70.95	-61.31	-52.99	-37.88	-33.76	-30.95	-40.24
CRMS 0258	-137.95	-103.76	-94.81	-24.72	-17.61	-26.00	-66.52	-98.90	-14.06	-56.76	-7.96	-19.68
CRMS 0224	-206.15	-158.19	-146.71	-54.94	-42.89	-53.42	-100.50	-143.78	-45.14	-89.71	-18.57	-40.28
CRMS 0163	4.18	7.41	4.57	2.51	1.52	3.07	2.65	1.01	7.39	7.09	6.84	5.57
CRMS 0162	26.57	33.06	20.72	4.38	3.09	21.90	0.47	18.91	30.96	28.34	14.96	13.68

Figure WQ SO4 231 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	176.97	190.53	124.43	76.66	70.63	70.90	98.27	131.86	201.89	183.32	233.35	223.13
CRMS0276 - Just east of Wilkinson Canal	319.30	130.49	63.23	52.56	38.13	118.86	265.37	358.52	368.89	459.40	406.69	279.86
Barataria Waterway at Lafitte (USACE82875)	139.94	20.49	12.18	13.02	11.89	28.18	78.71	138.88	167.99	249.92	179.95	54.42
USGS2928590900040000 Barataria Waterway South of Lafitte	210.22	195.90	119.14	62.35	54.37	59.46	108.32	163.25	265.98	248.23	305.23	273.18
USGS7380251 Barataria Bay North of Grand Isle	143.39	159.06	119.14	96.55	92.72	85.25	83.22	88.07	102.86	109.29	161.03	159.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	339.47	254.69	159.38	117.33	110.65	115.18	205.76	321.20	282.14	319.08	404.16	332.88
USGS 07380335 - Little Lake Near Cutoff	408.12	269.29	165.63	126.35	114.89	124.44	279.21	415.29	362.54	415.10	468.66	376.16
USGS073802516 Barataria Pass at Grand Isle	387.62	300.72	192.82	157.73	153.59	171.33	295.32	415.36	323.99	360.94	418.43	373.26
HWQ14 - Lake Washington	223.97	214.50	147.21	124.84	131.93	120.11	138.28	203.97	172.09	173.42	245.13	241.95
HWQ16 - Bayou Grand Liard	569.14	379.11	275.47	244.91	205.22	305.62	531.38	609.55	544.48	601.02	593.56	503.87
CRMS 3985	101.49	121.87	107.27	99.01	94.43	84.62	71.23	57.43	65.39	74.60	103.97	111.87
CRMS 0258	263.24	149.75	81.05	46.93	34.26	53.23	126.80	218.66	259.01	346.14	404.18	270.20
CRMS 0224	312.34	203.55	120.27	74.49	61.26	80.09	174.02	287.59	301.92	350.88	423.50	323.73
CRMS 0163	90.78	20.15	12.73	13.99	12.13	52.46	77.54	125.49	170.01	284.61	93.80	41.76
CRMS 0162	182.05	115.16	112.63	140.81	108.44	148.33	80.89	274.73	528.39	581.09	393.59	189.48

V3PR8 HYST - cy 5 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	15.20	11.48	10.86	10.94	10.99	15.17	16.05	17.55	19.38	21.15	24.79	15.45
CRMS0276 - Just east of Wilkinson Canal	253.87	105.60	45.16	44.79	29.83	108.29	240.88	350.33	355.17	432.29	398.15	260.73
Barataria Waterway at Lafitte (USACE82875)	125.68	28.75	13.81	15.89	15.08	30.35	85.45	140.39	178.22	230.69	132.68	52.80
USGS2928590900040000 Barataria Waterway South of Lafitte	22.21	11.49	10.85	10.93	10.97	14.42	22.66	49.71	136.68	140.01	206.53	87.80
USGS7380251 Barataria Bay North of Grand Isle	24.94	12.60	10.98	10.96	10.96	11.96	18.93	37.07	40.92	45.57	79.71	50.77
USGS73802515 Hackberry Bay Northwest of Grand Isle	56.46	15.58	11.01	11.07	11.01	30.15	114.96	226.34	212.40	207.86	317.81	139.35
USGS 07380335 - Little Lake Near Cutoff	144.57	34.61	12.08	12.45	11.63	51.65	216.93	359.48	305.35	331.82	408.02	219.93
USGS073802516 Barataria Pass at Grand Isle	137.23	33.94	12.63	12.54	12.28	68.37	231.30	369.84	259.10	283.84	348.93	217.34
HWQ14 - Lake Washington	45.36	19.00	11.89	11.20	11.16	18.61	58.44	140.18	100.89	97.04	163.78	113.39
HWQ16 - Bayou Grand Liard	453.16	182.77	75.75	75.56	71.80	256.08	511.41	595.22	516.09	565.38	558.28	428.39
CRMS 3985	26.68	15.69	11.75	11.08	10.95	10.73	14.15	24.12	31.10	35.90	54.72	50.36
CRMS 0258	95.47	39.97	13.62	14.43	11.99	21.72	85.81	200.60	259.81	316.60	400.31	175.52
CRMS 0224	80.43	28.69	11.70	12.64	11.67	28.27	129.01	250.65	267.75	293.21	395.55	178.06
CRMS 0163	94.47	31.10	17.03	24.44	15.96	51.81	74.53	122.37	195.28	260.49	94.80	51.09
CRMS 0162	208.46	142.44	127.53	131.72	119.41	151.21	105.51	293.20	541.13	565.34	408.37	219.93

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-161.76	-179.05	-113.58	-65.73	-59.64	-55.73	-82.22	-114.32	-182.50	-162.17	-208.56	-207.67
CRMS0276 - Just east of Wilkinson Canal	-65.44	-24.89	-18.07	-7.77	-8.30	-10.56	-24.49	-8.19	-13.73	-27.11	-8.55	-19.13
Barataria Waterway at Lafitte (USACE82875)	-14.26	8.26	1.63	2.87	3.19	2.18	6.75	1.51	10.23	-19.22	-47.27	-1.62
USGS2928590900040000 Barataria Waterway South of Lafitte	-188.02	-184.42	-108.29	-51.42	-43.40	-45.03	-85.66	-113.54	-129.30	-108.22	-98.71	-185.38
USGS7380251 Barataria Bay North of Grand Isle	-118.46	-146.46	-108.16	-85.59	-81.76	-73.29	-64.29	-51.00	-61.94	-63.72	-81.33	-108.24
USGS73802515 Hackberry Bay Northwest of Grand Isle	-283.00	-239.11	-148.38	-106.25	-99.64	-85.03	-90.80	-94.86	-69.74	-111.22	-86.35	-193.53
USGS 07380335 - Little Lake Near Cutoff	-263.55	-234.67	-153.54	-113.89	-103.26	-72.79	-62.28	-55.81	-57.19	-83.28	-60.64	-156.24
USGS073802516 Barataria Pass at Grand Isle	-250.39	-266.78	-180.20	-145.18	-141.32	-102.95	-64.02	-45.52	-64.89	-77.10	-69.50	-155.92
HWQ14 - Lake Washington	-178.61	-195.50	-135.32	-113.64	-120.77	-101.50	-79.84	-63.79	-71.20	-76.38	-81.35	-128.57
HWQ16 - Bayou Grand Liard	-115.99	-196.34	-199.72	-169.35	-133.41	-49.54	-19.97	-14.33	-28.38	-35.65	-35.28	-75.48
CRMS 3985	-74.81	-106.18	-95.53	-87.93	-83.48	-73.88	-57.08	-33.31	-34.29	-38.70	-49.25	-61.51
CRMS 0258	-167.77	-109.77	-67.43	-32.50	-22.27	-31.51	-40.99	-18.06	0.80	-29.54	-3.88	-94.68
CRMS 0224	-231.91	-174.86	-108.58	-61.86	-49.58	-51.82	-45.01	-36.94	-34.18	-57.67	-27.95	-145.67
CRMS 0163	3.69	10.95	4.29	10.44	3.83	-0.65	-3.01	-3.12	25.27	-24.12	1.00	9.32
CRMS 0162	26.41	27.29	14.89	-9.09	10.97	2.88	24.63	18.47	12.74	-15.75	14.78	30.45

Figure WQ SO4 232 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	184.93	225.32	165.38	132.48	151.57	142.60	128.28	156.33	246.46	224.94	226.36	201.52
CRMS0276 - Just east of Wilkinson Canal	404.36	222.19	227.16	163.18	181.44	244.79	357.03	478.34	473.59	450.14	331.36	284.95
Barataria Waterway at Lafitte (USACE82875)	218.06	61.30	47.81	57.67	71.00	48.07	169.82	285.69	415.95	158.66	121.07	72.46
USGS2928590900040000 Barataria Waterway South of Lafitte	224.24	246.10	198.34	128.37	152.99	141.75	149.29	196.85	344.49	305.14	284.35	239.75
USGS7380251 Barataria Bay North of Grand Isle	144.94	173.35	118.26	121.09	136.68	132.18	93.52	99.35	120.17	132.77	165.22	149.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	372.31	307.70	233.45	190.82	205.64	203.41	259.73	400.39	355.86	369.64	385.35	305.27
USGS 07380335 - Little Lake Near Cutoff	461.21	333.80	279.88	222.10	236.13	224.47	356.74	518.72	448.56	459.15	436.26	353.63
USGS073802516 Barataria Pass at Grand Isle	423.43	356.61	266.07	244.22	271.57	280.39	359.49	500.67	395.86	404.53	405.09	352.52
HWQ14 - Lake Washington	232.31	241.64	154.01	161.16	196.95	188.55	164.66	249.48	206.95	209.68	249.76	224.16
HWQ16 - Bayou Grand Liard	627.09	465.65	437.13	377.29	382.83	421.87	610.76	695.09	611.69	613.04	553.80	501.84
CRMS 3985	99.15	123.86	85.41	101.05	119.31	117.79	70.63	61.49	74.20	88.65	112.11	108.71
CRMS 0258	310.46	214.65	223.68	124.83	144.57	156.99	189.64	276.90	369.45	383.14	334.94	247.57
CRMS 0224	350.20	268.45	241.71	158.16	179.14	175.23	232.17	362.17	400.33	403.12	382.68	293.95
CRMS 0163	160.28	63.49	41.99	95.10	45.77	90.45	152.03	255.08	436.79	166.35	58.54	65.18
CRMS 0162	321.60	240.71	337.41	318.86	291.44	324.50	313.83	459.25	666.53	505.04	306.77	228.36

V3PR8 HYST - cy 5 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	21.79	14.64	16.59	16.07	14.55	17.44	19.11	19.35	20.92	21.02	22.80	18.82
CRMS0276 - Just east of Wilkinson Canal	391.75	204.55	220.75	153.81	192.26	222.74	341.67	469.22	466.35	463.73	324.89	276.76
Barataria Waterway at Lafitte (USACE82875)	201.89	63.62	45.51	54.89	83.36	50.25	172.57	290.65	397.90	176.75	81.37	60.27
USGS2928590900040000 Barataria Waterway South of Lafitte	94.55	16.54	40.65	29.47	16.04	34.02	33.30	56.80	171.23	173.61	189.07	117.26
USGS7380251 Barataria Bay North of Grand Isle	65.69	31.20	33.39	30.99	25.65	39.11	44.52	45.69	49.86	55.48	81.47	70.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	236.45	60.06	92.52	69.34	34.57	101.32	174.66	258.53	263.61	247.67	299.80	213.77
USGS 07380335 - Little Lake Near Cutoff	373.58	134.94	161.56	109.21	72.73	145.92	303.03	430.43	376.86	381.89	376.74	289.70
USGS073802516 Barataria Pass at Grand Isle	347.79	142.66	143.13	114.54	93.60	176.71	315.72	429.64	318.05	322.78	334.05	276.44
HWQ14 - Lake Washington	143.06	72.21	59.87	53.35	56.49	75.08	103.88	146.02	122.26	114.46	163.75	134.00
HWQ16 - Bayou Grand Liard	605.55	378.61	372.52	302.93	297.08	388.94	600.34	678.15	582.07	591.34	518.29	470.62
CRMS 3985	52.48	41.16	34.30	28.62	31.85	35.76	37.34	34.07	38.46	43.29	59.04	57.48
CRMS 0258	286.33	106.66	149.10	87.68	74.25	100.59	149.79	254.19	363.39	376.88	327.72	224.34
CRMS 0224	293.40	94.53	132.45	88.76	62.06	109.51	196.17	304.66	350.20	349.94	355.47	253.04
CRMS 0163	158.53	73.79	48.14	106.50	59.22	81.98	144.75	258.48	430.67	180.28	57.63	65.90
CRMS 0162	342.75	279.18	354.43	330.08	300.36	318.70	339.87	470.73	666.69	529.50	327.98	242.26

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-163.14	-210.68	-148.79	-116.41	-137.02	-125.16	-109.17	-136.99	-225.53	-203.92	-203.56	-182.70
CRMS0276 - Just east of Wilkinson Canal	-12.61	-17.64	-6.41	-9.38	10.82	-22.04	-15.36	-9.12	-7.24	13.59	-6.47	-8.19
Barataria Waterway at Lafitte (USACE82875)	-16.16	2.32	-2.31	-2.77	12.37	2.18	2.75	4.96	-18.06	18.09	-39.69	-12.19
USGS2928590900040000 Barataria Waterway South of Lafitte	-129.70	-229.56	-157.69	-98.91	-136.95	-107.73	-115.99	-140.05	-173.25	-131.53	-95.28	-122.49
USGS7380251 Barataria Bay North of Grand Isle	-79.25	-142.15	-84.87	-90.10	-111.03	-93.07	-49.00	-53.66	-70.31	-77.29	-83.74	-78.61
USGS73802515 Hackberry Bay Northwest of Grand Isle	-135.87	-247.64	-140.93	-121.47	-171.07	-102.09	-85.07	-141.86	-92.25	-121.97	-85.54	-91.50
USGS 07380335 - Little Lake Near Cutoff	-87.63	-198.85	-118.32	-112.89	-163.39	-78.56	-53.71	-88.29	-71.70	-77.26	-59.52	-63.92
USGS073802516 Barataria Pass at Grand Isle	-75.65	-213.95	-122.93	-129.68	-177.97	-103.67	-43.77	-71.03	-77.81	-81.75	-71.03	-76.08
HWQ14 - Lake Washington	-89.25	-169.43	-94.14	-107.82	-140.46	-113.47	-60.77	-103.46	-84.69	-95.22	-86.01	-90.15
HWQ16 - Bayou Grand Liard	-21.54	-87.05	-64.61	-74.35	-85.75	-32.93	-10.43	-16.94	-29.61	-21.70	-35.51	-31.22
CRMS 3985	-46.68	-82.70	-51.11	-72.43	-87.46	-82.03	-33.29	-27.42	-35.74	-45.35	-53.07	-51.22
CRMS 0258	-24.13	-107.98	-74.57	-37.15	-70.32	-56.40	-39.85	-22.71	-6.06	-6.25	-7.22	-23.22
CRMS 0224	-56.80	-173.92	-109.25	-69.40	-117.08	-65.72	-36.00	-57.51	-50.13	-53.18	-27.21	-40.91
CRMS 0163	-1.75	10.30	6.16	11.40	13.45	-8.47	-7.28	3.40	-6.12	13.93	-0.91	0.72
CRMS 0162	21.16	38.47	17.02	11.22	8.92	-5.80	26.05	11.48	0.17	24.45	21.21	13.90

Figure WQ SO4 233 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	187.69	187.65	121.79	93.42	103.22	95.15	86.74	92.27	133.92	129.77	190.82	216.75
CRMS0276 - Just east of Wilkinson Canal	342.83	94.90	89.59	70.72	96.64	77.01	160.55	231.56	250.96	349.00	385.48	358.76
Barataria Waterway at Lafitte (USACE82875)	119.98	14.75	17.25	24.03	39.19	14.42	27.87	54.43	79.51	132.73	179.54	94.92
USGS2928590900040000 Barataria Waterway South of Lafitte	232.33	185.06	113.92	79.61	95.85	79.29	97.22	113.50	167.67	170.70	251.96	279.41
USGS7380251 Barataria Bay North of Grand Isle	146.18	162.18	123.02	109.64	112.33	106.64	72.37	64.77	72.38	79.10	129.43	144.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	359.21	243.00	161.52	137.52	153.22	139.30	156.09	229.47	194.38	239.60	349.14	343.08
USGS 07380335 - Little Lake Near Cutoff	429.02	248.28	174.86	147.38	170.65	137.19	195.50	297.81	259.98	326.50	417.88	402.70
USGS073802516 Barataria Pass at Grand Isle	406.97	288.37	198.35	180.84	210.35	188.05	222.78	311.71	237.65	283.39	367.18	384.75
HWQ14 - Lake Washington	232.93	215.24	149.35	140.99	163.49	148.70	115.75	148.80	122.71	125.56	199.85	228.06
HWQ16 - Bayou Grand Liard	579.83	346.81	308.92	275.72	293.78	270.63	417.46	493.89	455.89	537.47	567.75	550.22
CRMS 3985	100.32	127.25	114.60	109.02	108.93	101.61	59.01	45.21	48.54	55.11	82.24	96.73
CRMS 0258	306.00	123.42	82.24	60.54	81.47	53.86	97.88	139.69	151.67	239.60	347.98	332.89
CRMS 0224	344.14	179.71	121.16	92.41	114.17	91.77	133.00	198.59	192.93	254.21	364.07	360.93
CRMS 0163	58.71	14.25	20.35	46.74	20.65	21.10	31.15	58.83	70.22	142.54	110.66	87.72
CRMS 0162	122.35	90.52	173.02	177.19	181.62	82.64	18.91	111.08	321.25	410.88	426.61	346.28

V3PR8 HYST - cy 5 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	12.65	10.97	12.39	11.77	12.05	12.46	13.18	14.80	17.56	19.30	24.87	20.22
CRMS0276 - Just east of Wilkinson Canal	221.16	77.82	63.01	62.96	89.06	49.67	57.62	139.91	242.02	347.78	383.54	346.98
Barataria Waterway at Lafitte (USACE82875)	103.53	20.15	19.71	24.21	51.20	18.33	44.40	65.02	78.22	138.40	136.84	77.85
USGS2928590900040000 Barataria Waterway South of Lafitte	13.59	10.97	12.36	11.71	12.04	12.38	13.05	18.09	74.97	101.57	179.47	145.38
USGS7380251 Barataria Bay North of Grand Isle	20.60	11.72	12.60	11.64	12.05	11.98	12.42	15.41	29.51	41.34	75.25	73.97
USGS73802515 Hackberry Bay Northwest of Grand Isle	32.35	12.58	13.10	12.15	13.21	12.47	12.99	53.11	140.42	173.25	290.05	253.27
USGS 07380335 - Little Lake Near Cutoff	106.36	23.90	16.76	15.46	19.91	14.94	19.85	112.50	209.27	279.00	376.98	344.43
USGS073802516 Barataria Pass at Grand Isle	99.10	24.60	17.17	16.10	23.22	18.02	23.26	117.92	192.77	244.64	326.65	316.63
HWQ14 - Lake Washington	45.20	17.20	13.48	12.70	16.13	11.74	11.30	31.45	81.29	87.15	152.28	147.78
HWQ16 - Bayou Grand Liard	401.85	141.02	133.40	110.50	142.23	148.04	280.32	412.94	436.86	521.28	547.15	516.88
CRMS 3985	31.09	15.51	13.40	11.94	12.40	11.43	11.66	12.95	22.98	33.13	52.95	57.36
CRMS 0258	67.56	27.60	17.93	18.97	22.13	14.17	12.79	42.53	135.82	228.82	354.27	310.10
CRMS 0224	52.86	19.93	14.70	15.56	19.95	13.87	13.17	58.00	155.46	228.30	355.29	322.12
CRMS 0163	75.84	21.65	26.83	65.87	30.83	26.58	39.17	60.87	77.38	146.87	114.21	84.59
CRMS 0162	150.37	99.10	179.12	181.58	199.69	89.59	29.30	132.54	358.44	436.07	454.09	371.89

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-175.03	-176.67	-109.40	-81.65	-91.17	-82.69	-73.56	-77.48	-116.37	-110.48	-165.95	-196.53
CRMS0276 - Just east of Wilkinson Canal	-121.66	-17.08	-26.58	-7.76	-7.58	-27.34	-102.94	-91.65	-8.94	-1.22	-1.94	-11.78
Barataria Waterway at Lafitte (USACE82875)	-16.45	5.39	2.46	0.18	12.01	3.92	16.53	10.59	-1.29	5.66	-42.71	-17.07
USGS2928590900040000 Barataria Waterway South of Lafitte	-218.73	-174.09	-101.55	-67.90	-83.81	-66.91	-84.17	-95.42	-92.70	-69.13	-72.50	-134.03
USGS7380251 Barataria Bay North of Grand Isle	-125.58	-150.46	-110.41	-97.99	-100.28	-94.67	-59.95	-49.36	-42.87	-37.76	-54.18	-70.46
USGS73802515 Hackberry Bay Northwest of Grand Isle	-326.86	-230.42	-148.42	-125.37	-140.00	-126.83	-143.11	-176.36	-53.95	-66.35	-59.09	-89.81
USGS 07380335 - Little Lake Near Cutoff	-322.66	-224.38	-158.10	-131.93	-150.75	-122.25	-175.65	-185.31	-50.70	-47.50	-40.90	-58.27
USGS073802516 Barataria Pass at Grand Isle	-307.87	-263.76	-181.18	-164.73	-187.13	-170.03	-199.52	-193.79	-44.88	-38.74	-40.54	-68.12
HWQ14 - Lake Washington	-187.73	-198.04	-135.87	-128.29	-147.36	-136.96	-104.45	-117.35	-41.42	-38.41	-47.57	-80.28
HWQ16 - Bayou Grand Liard	-177.98	-205.79	-175.52	-165.22	-151.55	-122.59	-137.13	-80.95	-19.03	-16.19	-20.59	-33.34
CRMS 3985	-69.24	-111.74	-101.19	-97.08	-96.53	-90.18	-47.35	-32.26	-25.55	-21.98	-29.29	-39.37
CRMS 0258	-238.44	-95.82	-64.31	-41.57	-59.34	-39.69	-85.09	-97.15	-15.85	-10.78	6.29	-22.79
CRMS 0224	-291.28	-159.77	-106.46	-76.85	-94.22	-77.90	-119.82	-140.59	-37.47	-25.90	-8.77	-38.81
CRMS 0163	17.13	7.40	6.48	19.13	10.18	5.48	8.02	2.05	7.16	4.32	3.56	-3.13
CRMS 0162	28.02	8.58	6.10	4.39	18.07	6.95	10.39	21.46	37.19	25.19	27.48	25.61

Figure WQ SO4 234 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.83	223.79	174.63	94.78	81.37	70.62	70.65	84.01	143.46	134.98	204.05	205.38
CRMS0276 - Just east of Wilkinson Canal	288.11	327.71	165.31	66.03	41.93	34.13	124.67	244.44	274.53	386.09	404.15	193.99
Barataria Waterway at Lafitte (USACE82875)	137.91	123.91	26.04	15.13	15.39	11.75	25.84	66.29	94.97	164.74	185.36	27.15
USGS2928590900040000 Barataria Waterway South of Lafitte	180.82	263.18	216.76	77.81	64.23	55.14	76.75	104.57	183.32	178.08	271.65	251.22
USGS7380251 Barataria Bay North of Grand Isle	129.56	161.20	121.64	108.51	101.68	88.49	61.82	58.04	73.45	81.12	137.92	144.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	306.39	315.68	242.71	141.49	125.80	103.72	123.74	223.76	205.37	250.08	373.61	307.91
USGS 07380335 - Little Lake Near Cutoff	375.77	362.19	276.58	151.23	129.75	94.96	155.71	303.34	276.99	342.34	442.43	337.97
USGS073802516 Barataria Pass at Grand Isle	354.73	361.99	268.76	185.86	172.80	136.88	180.75	308.65	249.31	297.32	387.42	344.16
HWQ14 - Lake Washington	201.46	224.79	162.19	144.06	147.52	118.88	93.85	135.56	125.79	130.26	214.40	225.95
HWQ16 - Bayou Grand Liard	546.81	515.43	388.39	270.92	214.14	193.80	376.29	512.59	471.95	556.32	582.62	447.75
CRMS 3985	91.41	111.67	86.49	102.01	100.91	88.51	52.02	40.52	47.37	55.75	86.78	100.41
CRMS 0258	218.24	288.76	223.31	56.87	40.98	33.48	71.41	131.87	169.59	256.41	381.09	231.89
CRMS 0224	272.84	312.50	254.42	90.21	70.62	62.67	101.82	192.53	209.02	267.29	394.55	291.88
CRMS 0163	110.74	128.28	21.11	18.69	12.71	13.83	28.62	70.95	84.95	189.10	103.43	20.90
CRMS 0162	261.41	421.07	188.50	150.40	97.09	44.54	18.49	137.30	383.95	499.53	422.51	105.67

V3PR8 HYST - cy 5 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	16.83	21.51	11.86	11.36	12.26	11.54	13.06	15.80	18.02	20.24	24.78	11.91
CRMS0276 - Just east of Wilkinson Canal	228.97	313.56	160.32	57.15	31.15	22.46	44.56	199.53	269.41	390.72	407.41	180.69
Barataria Waterway at Lafitte (USACE82875)	115.93	103.19	28.06	19.06	21.74	12.38	32.07	67.20	93.98	206.50	143.28	34.01
USGS2928590900040000 Barataria Waterway South of Lafitte	27.72	111.65	15.96	11.35	12.25	11.51	12.91	28.12	94.19	104.11	185.97	12.11
USGS7380251 Barataria Bay North of Grand Isle	22.99	68.80	18.97	11.64	12.27	11.39	12.11	20.21	34.06	38.53	73.98	18.74
USGS73802515 Hackberry Bay Northwest of Grand Isle	110.83	217.12	31.41	11.77	12.30	11.45	12.94	116.69	161.65	173.60	301.10	21.80
USGS 07380335 - Little Lake Near Cutoff	200.35	285.86	60.95	14.61	13.12	11.80	19.56	213.00	235.48	285.82	401.03	67.11
USGS073802516 Barataria Pass at Grand Isle	186.04	276.33	58.06	16.09	13.99	12.72	21.86	227.20	209.65	245.94	340.10	67.40
HWQ14 - Lake Washington	55.66	132.56	36.68	13.51	12.90	11.39	10.89	66.27	85.19	81.37	155.34	51.97
HWQ16 - Bayou Grand Liard	461.56	474.14	208.94	105.30	71.45	84.73	250.43	484.93	453.03	537.71	561.65	278.36
CRMS 3985	20.67	47.33	24.31	12.93	12.43	11.39	11.30	14.77	25.74	30.67	51.88	32.60
CRMS 0258	109.66	241.44	73.83	17.01	13.83	11.63	12.42	80.33	167.17	247.60	393.93	87.68
CRMS 0224	129.53	246.76	52.45	14.19	13.33	11.60	13.04	122.94	184.36	236.07	386.24	61.43
CRMS 0163	103.11	124.60	26.21	37.31	13.99	16.64	30.98	67.18	93.31	232.29	104.45	27.93
CRMS 0162	277.65	446.24	216.35	163.23	99.54	44.03	23.94	152.31	414.29	524.79	429.04	137.66

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-142.00	-202.28	-162.77	-83.42	-69.11	-59.08	-57.59	-68.20	-125.44	-114.74	-179.27	-193.46
CRMS0276 - Just east of Wilkinson Canal	-59.13	-14.15	-4.99	-8.88	-10.78	-11.67	-80.11	-44.92	-5.12	4.63	3.25	-13.30
Barataria Waterway at Lafitte (USACE82875)	-21.98	-20.71	2.02	3.94	6.34	0.64	6.23	0.91	-0.99	41.76	-42.08	6.87
USGS2928590900040000 Barataria Waterway South of Lafitte	-153.10	-151.53	-200.80	-66.47	-51.99	-43.64	-63.84	-76.45	-89.13	-73.96	-85.68	-239.12
USGS7380251 Barataria Bay North of Grand Isle	-106.57	-92.40	-102.67	-96.87	-89.41	-77.09	-49.72	-37.83	-39.39	-42.59	-63.94	-125.80
USGS73802515 Hackberry Bay Northwest of Grand Isle	-195.56	-98.56	-211.30	-129.73	-113.49	-92.27	-110.79	-107.07	-43.72	-76.48	-72.51	-286.11
USGS 07380335 - Little Lake Near Cutoff	-175.42	-76.33	-215.64	-136.62	-116.63	-83.15	-136.16	-90.34	-41.51	-56.52	-41.40	-270.86
USGS073802516 Barataria Pass at Grand Isle	-168.69	-85.66	-210.70	-169.77	-158.81	-124.15	-158.89	-81.45	-39.66	-51.38	-47.32	-276.76
HWQ14 - Lake Washington	-145.80	-92.23	-125.51	-130.55	-134.63	-107.49	-82.96	-69.29	-40.60	-48.89	-59.06	-173.98
HWQ16 - Bayou Grand Liard	-85.25	-41.29	-179.45	-165.61	-142.69	-109.07	-125.86	-27.66	-18.92	-18.61	-20.98	-169.39
CRMS 3985	-70.73	-64.34	-62.18	-89.08	-88.48	-77.12	-40.72	-25.74	-21.62	-25.08	-34.90	-67.80
CRMS 0258	-108.58	-47.32	-149.48	-39.87	-27.15	-21.85	-58.99	-51.55	-2.42	-8.81	12.84	-144.22
CRMS 0224	-143.30	-65.74	-201.96	-76.02	-57.29	-51.07	-88.78	-69.58	-24.67	-31.22	-8.31	-230.44
CRMS 0163	-7.63	-3.68	5.10	18.62	1.28	2.81	2.36	-3.77	8.36	43.19	1.03	7.03
CRMS 0162	16.24	25.17	27.85	12.83	2.45	-0.51	5.46	15.01	30.34	25.27	6.53	32.00

Figure WQ SO4 235 - Monthly Average SO4 (mg/L) for No Action and 150,000 cfs + Terraces + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve (purple color indicates diversion is open)

V3PR1 HYST - cy 5 - 2008 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	196.53	217.75	145.98	80.05	64.60	66.19	81.93	107.49	139.49	110.25	180.27	217.31
CRMS0276 - Just east of Wilkinson Canal	380.72	213.17	84.79	36.56	32.84	55.15	110.61	232.16	230.89	289.79	393.01	413.33
Barataria Waterway at Lafitte (USACE82875)	171.61	47.49	13.66	12.35	11.64	12.28	19.26	52.81	58.84	108.88	188.98	140.55
USGS2928590900040000 Barataria Waterway South of Lafitte	243.90	234.62	154.23	61.86	47.83	53.77	85.47	125.95	165.53	133.63	239.35	282.60
USGS7380251 Barataria Bay North of Grand Isle	151.31	170.30	121.61	101.12	89.35	81.44	77.77	84.14	82.93	75.77	122.92	143.92
USGS73802515 Hackberry Bay Northwest of Grand Isle	386.15	296.58	191.34	119.62	103.09	101.70	140.28	234.25	191.13	203.73	337.57	354.09
USGS 07380335 - Little Lake Near Cutoff	465.06	326.14	204.05	122.21	105.87	99.19	162.18	298.34	248.61	281.51	409.96	422.81
USGS073802516 Barataria Pass at Grand Isle	434.40	345.87	223.65	158.87	143.65	142.88	197.42	313.23	237.31	251.35	356.75	395.81
HWQ14 - Lake Washington	244.80	232.74	155.69	132.71	125.02	113.10	117.26	163.71	133.53	116.85	189.47	228.36
HWQ16 - Bayou Grand Liard	617.09	453.59	316.50	217.32	189.29	232.20	361.81	498.01	442.31	495.73	568.34	576.50
CRMS 3985	101.85	124.55	99.45	101.65	93.08	81.85	72.17	65.12	58.72	56.78	79.10	95.22
CRMS 0258	325.18	208.59	113.60	38.84	29.43	38.02	78.06	142.43	138.25	181.52	345.07	360.75
CRMS 0224	369.68	259.31	160.22	67.97	54.49	65.27	112.34	202.03	182.53	203.36	354.46	377.78
CRMS 0163	108.09	45.81	13.68	12.51	11.68	15.40	20.67	62.27	64.98	123.78	120.58	112.80
CRMS 0162	184.61	196.85	132.49	93.79	93.11	66.91	16.23	121.58	272.61	315.91	443.75	374.28

V3PR9 HYST - cy 5 - 2008 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	189.24	229.09	159.02	100.03	81.38	81.16	77.84	91.87	151.82	129.29	201.67	233.18
CRMS0276 - Just east of Wilkinson Canal	419.22	272.57	137.24	63.02	61.60	94.84	170.25	285.97	299.70	382.33	470.96	353.83
Barataria Waterway at Lafitte (USACE82875)	219.19	67.24	18.86	15.05	14.59	16.36	40.16	110.61	159.21	231.78	241.50	155.45
USGS2928590900040000 Barataria Waterway South of Lafitte	234.38	258.73	185.39	85.43	66.02	71.58	88.67	117.25	200.41	166.66	277.27	301.92
USGS7380251 Barataria Bay North of Grand Isle	147.92	173.28	120.12	109.82	100.77	91.26	64.59	60.90	75.74	79.25	135.26	155.86
USGS73802515 Hackberry Bay Northwest of Grand Isle	383.46	322.01	221.06	145.19	124.18	123.48	150.99	252.41	222.87	242.82	386.38	361.48
USGS 07380335 - Little Lake Near Cutoff	470.60	359.20	248.14	153.42	133.64	127.21	195.24	342.60	299.83	336.78	467.91	415.69
USGS073802516 Barataria Pass at Grand Isle	431.09	368.76	249.28	187.63	173.00	173.21	217.69	340.96	269.53	291.74	398.81	400.17
HWQ14 - Lake Washington	237.04	237.94	156.24	142.71	140.23	126.04	103.22	146.19	130.45	127.89	213.55	241.92
HWQ16 - Bayou Grand Liard	631.08	491.45	368.57	268.08	238.15	279.56	427.29	549.74	494.75	544.98	612.23	545.77
CRMS 3985	99.44	122.76	90.37	102.17	100.57	88.42	52.32	39.57	47.37	54.28	82.51	101.93
CRMS 0258	323.31	250.79	168.96	61.86	47.96	60.50	93.99	152.65	183.65	236.26	422.39	341.94
CRMS 0224	365.90	297.70	212.14	96.69	77.65	89.54	128.64	222.11	231.78	255.49	418.91	375.76
CRMS 0163	150.55	71.96	22.61	18.54	14.68	25.05	36.56	92.92	168.24	253.37	177.60	156.39
CRMS 0162	264.90	290.90	156.67	119.99	118.49	86.65	28.15	193.28	430.03	450.96	425.73	335.26

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	-7.29	11.34	13.03	19.98	16.78	14.97	-4.09	-15.61	12.33	19.03	21.41	15.87
CRMS0276 - Just east of Wilkinson Canal	38.49	59.40	52.45	26.45	28.76	39.69	59.64	53.81	68.81	92.54	77.96	-59.50
Barataria Waterway at Lafitte (USACE82875)	47.58	19.74	5.20	2.70	2.96	4.08	20.91	57.80	100.37	122.90	52.52	14.90
USGS2928590900040000 Barataria Waterway South of Lafitte	-9.51	24.11	31.16	23.57	18.19	17.81	3.20	-8.70	34.89	33.03	37.93	19.32
USGS7380251 Barataria Bay North of Grand Isle	-3.39	2.99	-1.48	8.71	11.42	9.82	-13.18	-23.24	-7.19	3.47	12.33	11.94
USGS73802515 Hackberry Bay Northwest of Grand Isle	-2.69	25.43	29.72	25.57	21.09	21.79	10.70	18.16	31.73	39.10	48.81	7.39
USGS 07380335 - Little Lake Near Cutoff	5.55	33.06	44.09	31.22	27.77	28.02	33.06	44.26	51.22	55.27	57.96	-7.12
USGS073802516 Barataria Pass at Grand Isle	-3.30	22.89	25.63	28.76	29.35	30.33	20.27	27.73	32.22	40.39	42.07	4.36
HWQ14 - Lake Washington	-7.75	5.20	0.55	10.00	15.21	12.94	-14.04	-17.52	-3.08	11.03	24.08	13.56
HWQ16 - Bayou Grand Liard	13.99	37.86	52.07	50.75	48.86	47.36	65.48	51.73	52.44	49.25	43.90	-30.73
CRMS 3985	-2.41	-1.79	-9.08	0.52	7.49	6.56	-19.84	-25.55	-11.36	-2.50	3.41	6.72
CRMS 0258	-1.87	42.20	55.35	23.02	18.53	22.48	15.93	10.22	45.40	54.74	77.32	-18.81
CRMS 0224	-3.79	38.38	51.92	28.72	23.17	24.27	16.31	20.08	49.25	52.13	64.45	-2.02
CRMS 0163	42.45	26.15	8.94	6.03	3.00	9.65	15.90	30.65	103.27	129.58	57.03	43.59
CRMS 0162	80.28	94.05	24.18	26.20	25.38	19.74	11.92	71.71	157.42	135.05	-18.03	-39.02

Figure WQ SO4 236 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2008 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 1994 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	176.97	190.53	124.43	76.66	70.63	70.90	98.27	131.86	201.89	183.32	233.35	223.13
CRMS0276 - Just east of Wilkinson Canal	319.30	130.49	63.23	52.56	38.13	118.86	265.37	358.52	368.89	459.40	406.69	279.86
Barataria Waterway at Lafitte (USACE82875)	139.94	20.49	12.18	13.02	11.89	28.18	78.71	138.88	167.99	249.92	179.95	54.42
USGS2928590900040000 Barataria Waterway South of Lafitte	210.22	195.90	119.14	62.35	54.37	59.46	108.32	163.25	265.98	248.23	305.23	273.18
USGS7380251 Barataria Bay North of Grand Isle	143.39	159.06	119.14	96.55	92.72	85.25	83.22	88.07	102.86	109.29	161.03	159.02
USGS73802515 Hackberry Bay Northwest of Grand Isle	339.47	254.69	159.38	117.33	110.65	115.18	205.76	321.20	282.14	319.08	404.16	332.88
USGS 07380335 - Little Lake Near Cutoff	408.12	269.29	165.63	126.35	114.89	124.44	279.21	415.29	362.54	415.10	468.66	376.16
USGS073802516 Barataria Pass at Grand Isle	387.62	300.72	192.82	157.73	153.59	171.33	295.32	415.36	323.99	360.94	418.43	373.26
HWQ14 - Lake Washington	223.97	214.50	147.21	124.84	131.93	120.11	138.28	203.97	172.09	173.42	245.13	241.95
HWQ16 - Bayou Grand Liard	569.14	379.11	275.47	244.91	205.22	305.62	531.38	609.55	544.48	601.02	593.56	503.87
CRMS 3985	101.49	121.87	107.27	99.01	94.43	84.62	71.23	57.43	65.39	74.60	103.97	111.87
CRMS 0258	263.24	149.75	81.05	46.93	34.26	53.23	126.80	218.66	259.01	346.14	404.18	270.20
CRMS 0224	312.34	203.55	120.27	74.49	61.26	80.09	174.02	287.59	301.92	350.88	423.50	323.73
CRMS 0163	90.78	20.15	12.73	13.99	12.13	52.46	77.54	125.49	170.01	284.61	93.80	41.76
CRMS 0162	182.05	115.16	112.63	140.81	108.44	148.33	80.89	274.73	528.39	581.09	393.59	189.48

V3PR9 HYST - cy 5 - 1994 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	201.98	221.52	148.71	100.48	98.84	92.12	96.47	131.94	229.72	216.42	260.36	254.04
CRMS0276 - Just east of Wilkinson Canal	402.64	201.37	109.46	90.45	75.79	160.94	300.27	430.25	466.23	567.97	499.60	379.45
Barataria Waterway at Lafitte (USACE82875)	197.72	37.04	15.48	21.05	19.08	43.10	150.69	262.78	390.79	455.55	230.75	96.01
USGS2928590900040000 Barataria Waterway South of Lafitte	246.51	241.08	161.37	88.97	84.01	82.02	111.06	168.09	333.24	308.86	349.24	319.58
USGS7380251 Barataria Bay North of Grand Isle	160.85	175.45	123.11	112.23	113.48	101.91	75.06	83.78	107.47	123.14	179.02	177.44
USGS73802515 Hackberry Bay Northwest of Grand Isle	389.87	303.27	200.48	149.97	145.48	141.35	208.52	350.43	333.78	380.14	458.46	387.15
USGS 07380335 - Little Lake Near Cutoff	470.99	326.78	217.63	165.22	157.31	154.12	295.21	465.48	428.36	488.69	534.28	442.28
USGS073802516 Barataria Pass at Grand Isle	437.37	348.17	230.80	195.68	198.58	205.13	300.21	449.04	368.05	417.80	466.68	426.89
HWQ14 - Lake Washington	251.33	238.32	156.92	144.59	157.67	140.03	125.33	204.27	183.20	198.93	274.04	269.35
HWQ16 - Bayou Grand Liard	621.57	441.30	337.43	299.52	270.45	348.18	563.52	656.87	596.68	646.36	643.71	567.02
CRMS 3985	110.20	128.13	99.59	107.73	110.12	97.82	58.66	51.27	64.36	79.50	112.26	120.64
CRMS 0258	324.53	207.90	135.63	76.36	62.63	77.28	137.69	243.01	373.75	447.43	497.34	346.29
CRMS 0224	370.57	263.45	177.88	109.12	97.09	106.24	182.21	320.24	397.43	437.43	498.06	394.06
CRMS 0163	138.26	38.21	18.53	31.34	17.04	70.23	114.57	223.81	462.54	490.81	148.40	79.00
CRMS 0162	245.10	159.36	132.63	165.89	149.69	233.46	178.66	351.59	620.81	633.58	410.96	294.11

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	25.01	30.99	24.28	23.82	28.20	21.22	-1.80	0.07	27.84	33.10	27.01	30.91
CRMS0276 - Just east of Wilkinson Canal	83.33	70.88	46.23	37.89	37.67	42.08	34.91	71.73	97.34	108.57	92.91	99.59
Barataria Waterway at Lafitte (USACE82875)	57.78	16.55	3.30	8.04	7.19	14.92	71.99	123.90	222.80	205.63	50.80	41.59
USGS2928590900040000 Barataria Waterway South of Lafitte	36.28	45.18	42.23	26.62	29.64	22.56	2.74	4.84	67.26	60.63	44.01	46.41
USGS7380251 Barataria Bay North of Grand Isle	17.46	16.39	3.97	15.68	20.76	16.66	-8.16	-4.28	4.60	13.84	17.99	18.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	50.41	48.58	41.10	32.65	34.83	26.17	2.77	29.23	51.65	61.06	54.30	54.27
USGS 07380335 - Little Lake Near Cutoff	62.87	57.49	52.00	38.88	42.41	29.68	16.00	50.19	65.82	73.59	65.62	66.12
USGS073802516 Barataria Pass at Grand Isle	49.75	47.45	37.98	37.95	44.99	33.80	4.89	33.68	44.06	56.86	48.25	53.64
HWQ14 - Lake Washington	27.36	23.81	9.71	19.74	25.73	19.92	-12.95	0.30	11.10	25.52	28.91	27.40
HWQ16 - Bayou Grand Liard	52.43	62.19	61.96	54.62	65.24	42.56	32.14	47.32	52.20	45.34	50.16	63.15
CRMS 3985	8.71	6.26	-7.69	8.71	15.69	13.20	-12.57	-6.16	-1.04	4.90	8.29	8.77
CRMS 0258	61.29	58.15	54.58	29.43	28.36	24.05	10.89	24.35	114.74	101.29	93.16	76.09
CRMS 0224	58.23	59.90	57.61	34.62	35.84	26.15	8.19	32.65	95.51	86.55	74.56	70.33
CRMS 0163	47.48	18.06	5.80	17.35	4.91	17.78	37.03	98.32	292.53	206.21	54.61	37.24
CRMS 0162	63.05	44.21	19.99	25.08	41.25	85.13	97.77	76.85	92.42	52.49	17.37	104.63

Figure WQ SO4 237 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 1994 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2006 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	184.93	225.32	165.38	132.48	151.57	142.60	128.28	156.33	246.46	224.94	226.36	201.52
CRMS0276 - Just east of Wilkinson Canal	404.36	222.19	227.16	163.18	181.44	244.79	357.03	478.34	473.59	450.14	331.36	284.95
Barataria Waterway at Lafitte (USACE82875)	218.06	61.30	47.81	57.67	71.00	48.07	169.82	285.69	415.95	158.66	121.07	72.46
USGS2928590900040000 Barataria Waterway South of Lafitte	224.24	246.10	198.34	128.37	152.99	141.75	149.29	196.85	344.49	305.14	284.35	239.75
USGS7380251 Barataria Bay North of Grand Isle	144.94	173.35	118.26	121.09	136.68	132.18	93.52	99.35	120.17	132.77	165.22	149.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	372.31	307.70	233.45	190.82	205.64	203.41	259.73	400.39	355.86	369.64	385.35	305.27
USGS 07380335 - Little Lake Near Cutoff	461.21	333.80	279.88	222.10	236.13	224.47	356.74	518.72	448.56	459.15	436.26	353.63
USGS073802516 Barataria Pass at Grand Isle	423.43	356.61	266.07	244.22	271.57	280.39	359.49	500.67	395.86	404.53	405.09	352.52
HWQ14 - Lake Washington	232.31	241.64	154.01	161.16	196.95	188.55	164.66	249.48	206.95	209.68	249.76	224.16
HWQ16 - Bayou Grand Liard	627.09	465.65	437.13	377.29	382.83	421.87	610.76	695.09	611.69	613.04	553.80	501.84
CRMS 3985	99.15	123.86	85.41	101.05	119.31	117.79	70.63	61.49	74.20	88.65	112.11	108.71
CRMS 0258	310.46	214.65	223.68	124.83	144.57	156.99	189.64	276.90	369.45	383.14	334.94	247.57
CRMS 0224	350.20	268.45	241.71	158.16	179.14	175.23	232.17	362.17	400.33	403.12	382.68	293.95
CRMS 0163	160.28	63.49	41.99	95.10	45.77	90.45	152.03	255.08	436.79	166.35	58.54	65.18
CRMS 0162	321.60	240.71	337.41	318.86	291.44	324.50	313.83	459.25	666.53	505.04	306.77	228.36

V3PR9 HYST - cy 5 - 2006 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	205.77	254.47	192.53	159.41	177.93	167.57	136.97	167.46	264.03	241.05	257.36	231.88
CRMS0276 - Just east of Wilkinson Canal	472.83	294.70	290.36	208.66	260.58	318.29	415.42	546.94	557.49	582.26	416.27	357.66
Barataria Waterway at Lafitte (USACE82875)	284.23	105.89	66.41	79.91	105.25	85.98	342.56	476.63	519.29	402.70	150.18	107.62
USGS2928590900040000 Barataria Waterway South of Lafitte	252.55	288.09	239.16	160.30	195.80	177.66	163.39	211.40	385.92	343.48	334.70	282.85
USGS7380251 Barataria Bay North of Grand Isle	159.52	192.77	136.19	137.92	143.72	139.38	97.05	105.34	128.21	140.97	184.04	166.59
USGS73802515 Hackberry Bay Northwest of Grand Isle	409.16	354.61	274.39	219.91	229.70	234.11	287.99	435.88	397.02	420.40	445.60	351.75
USGS 07380335 - Little Lake Near Cutoff	507.45	388.11	328.42	255.98	271.70	265.31	402.20	565.28	497.67	528.21	508.07	408.76
USGS073802516 Barataria Pass at Grand Isle	457.65	400.79	302.00	272.24	299.65	319.22	391.60	538.11	433.47	454.62	458.57	396.79
HWQ14 - Lake Washington	250.50	265.13	173.55	176.84	200.36	198.14	168.14	262.54	220.34	227.91	279.66	248.83
HWQ16 - Bayou Grand Liard	670.23	515.61	478.86	412.28	440.54	477.63	656.05	727.26	649.25	663.11	605.79	548.18
CRMS 3985	107.41	135.96	97.19	110.97	118.58	119.12	71.35	62.17	76.91	91.86	119.56	117.44
CRMS 0258	354.98	272.96	288.65	161.69	205.72	200.70	217.65	308.60	493.55	496.77	424.26	310.10
CRMS 0224	392.44	326.18	297.20	194.84	232.06	215.00	263.11	399.52	481.62	482.87	463.83	353.62
CRMS 0163	220.10	123.92	55.38	133.47	79.66	127.25	343.68	468.11	564.61	402.05	90.61	99.72
CRMS 0162	406.71	340.84	367.70	388.69	373.97	423.63	517.97	564.52	674.96	605.95	341.95	329.22

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	20.83	29.15	27.14	26.92	26.36	24.97	8.69	11.13	17.57	16.11	31.00	30.36
CRMS0276 - Just east of Wilkinson Canal	68.47	72.51	63.20	45.48	79.15	73.50	58.39	68.59	83.90	132.12	84.91	72.71
Barataria Waterway at Lafitte (USACE82875)	66.18	44.59	18.59	22.24	34.25	37.91	172.74	190.95	103.34	244.04	29.11	35.16
USGS2928590900040000 Barataria Waterway South of Lafitte	28.31	41.99	40.82	31.93	42.81	35.91	14.10	14.55	41.44	38.33	50.35	43.10
USGS7380251 Barataria Bay North of Grand Isle	14.58	19.42	17.92	16.83	7.04	7.20	3.52	5.99	8.04	8.20	18.83	17.52
USGS73802515 Hackberry Bay Northwest of Grand Isle	36.85	46.91	40.94	29.09	24.05	30.70	28.25	35.49	41.16	50.76	60.25	46.48
USGS 07380335 - Little Lake Near Cutoff	46.24	54.32	48.55	33.88	35.57	40.84	45.46	46.56	49.11	69.06	71.81	55.14
USGS073802516 Barataria Pass at Grand Isle	34.22	44.18	35.94	28.02	28.07	38.83	32.11	37.45	37.61	50.09	53.48	44.27
HWQ14 - Lake Washington	18.19	23.50	19.54	15.67	3.41	9.59	3.49	13.06	13.39	18.24	29.90	24.67
HWQ16 - Bayou Grand Liard	43.14	49.96	41.73	34.99	57.71	55.76	45.29	32.18	37.57	50.07	51.99	46.34
CRMS 3985	8.26	12.10	11.77	9.92	-0.73	1.33	0.72	0.67	2.71	3.21	7.45	8.73
CRMS 0258	44.52	58.31	64.97	36.86	61.15	43.71	28.01	31.70	124.10	113.63	89.32	62.53
CRMS 0224	42.24	57.73	55.50	36.68	52.93	39.77	30.93	37.35	81.28	79.75	81.16	59.66
CRMS 0163	59.82	60.43	13.39	38.37	33.88	36.80	191.65	213.04	127.82	235.69	32.06	34.53
CRMS 0162	85.12	100.13	30.29	69.83	82.52	99.13	204.14	105.27	8.44	100.90	35.18	100.86

Figure WQ SO4 238 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2006 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2010 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	187.69	187.65	121.79	93.42	103.22	95.15	86.74	92.27	133.92	129.77	190.82	216.75
CRMS0276 - Just east of Wilkinson Canal	342.83	94.90	89.59	70.72	96.64	77.01	160.55	231.56	250.96	349.00	385.48	358.76
Barataria Waterway at Lafitte (USACE82875)	119.98	14.75	17.25	24.03	39.19	14.42	27.87	54.43	79.51	132.73	179.54	94.92
USGS2928590900040000 Barataria Waterway South of Lafitte	232.33	185.06	113.92	79.61	95.85	79.29	97.22	113.50	167.67	170.70	251.96	279.41
USGS7380251 Barataria Bay North of Grand Isle	146.18	162.18	123.02	109.64	112.33	106.64	72.37	64.77	72.38	79.10	129.43	144.43
USGS73802515 Hackberry Bay Northwest of Grand Isle	359.21	243.00	161.52	137.52	153.22	139.30	156.09	229.47	194.38	239.60	349.14	343.08
USGS 07380335 - Little Lake Near Cutoff	429.02	248.28	174.86	147.38	170.65	137.19	195.50	297.81	259.98	326.50	417.88	402.70
USGS073802516 Barataria Pass at Grand Isle	406.97	288.37	198.35	180.84	210.35	188.05	222.78	311.71	237.65	283.39	367.18	384.75
HWQ14 - Lake Washington	232.93	215.24	149.35	140.99	163.49	148.70	115.75	148.80	122.71	125.56	199.85	228.06
HWQ16 - Bayou Grand Liard	579.83	346.81	308.92	275.72	293.78	270.63	417.46	493.89	455.89	537.47	567.75	550.22
CRMS 3985	100.32	127.25	114.60	109.02	108.93	101.61	59.01	45.21	48.54	55.11	82.24	96.73
CRMS 0258	306.00	123.42	82.24	60.54	81.47	53.86	97.88	139.69	151.67	239.60	347.98	332.89
CRMS 0224	344.14	179.71	121.16	92.41	114.17	91.77	133.00	198.59	192.93	254.21	364.07	360.93
CRMS 0163	58.71	14.25	20.35	46.74	20.65	21.10	31.15	58.83	70.22	142.54	110.66	87.72
CRMS 0162	122.35	90.52	173.02	177.19	181.62	82.64	18.91	111.08	321.25	410.88	426.61	346.28

V3PR9 HYST - cy 5 - 2010 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	212.20	222.08	151.43	120.07	137.35	122.81	102.03	110.40	168.25	169.91	226.65	249.02
CRMS0276 - Just east of Wilkinson Canal	436.87	159.86	138.17	115.74	156.88	125.15	228.30	314.38	334.60	470.56	475.65	458.16
Barataria Waterway at Lafitte (USACE82875)	204.45	25.24	22.69	31.73	61.56	22.31	65.70	126.26	218.08	332.73	228.86	199.66
USGS2928590900040000 Barataria Waterway South of Lafitte	266.29	234.70	157.37	109.88	138.03	110.48	118.01	138.87	227.27	235.24	306.87	324.36
USGS7380251 Barataria Bay North of Grand Isle	164.19	178.71	134.62	127.10	133.54	125.10	82.56	75.19	86.02	97.72	154.11	166.50
USGS73802515 Hackberry Bay Northwest of Grand Isle	409.25	296.09	206.63	172.30	189.42	175.05	193.29	284.87	253.71	303.14	417.21	394.30
USGS 07380335 - Little Lake Near Cutoff	492.05	310.53	229.35	190.23	215.43	180.05	249.16	375.02	337.68	404.79	494.89	463.91
USGS073802516 Barataria Pass at Grand Isle	453.76	339.96	241.55	220.39	250.45	234.95	268.85	376.69	293.76	344.56	427.77	434.31
HWQ14 - Lake Washington	258.79	240.91	167.07	161.94	184.73	171.82	131.57	173.58	145.71	155.26	240.62	258.25
HWQ16 - Bayou Grand Liard	636.40	409.93	366.96	334.85	358.11	337.78	487.40	568.72	521.04	592.12	621.65	599.69
CRMS 3985	109.98	132.02	115.07	119.02	123.86	115.41	65.52	49.99	54.88	64.49	95.33	109.65
CRMS 0258	364.26	182.87	134.76	94.64	129.74	85.88	126.66	178.88	219.01	334.29	448.23	404.32
CRMS 0224	399.10	243.66	177.84	131.66	164.27	128.47	169.33	253.55	267.78	339.52	450.18	423.70
CRMS 0163	129.48	26.97	28.15	75.81	36.11	33.29	55.81	94.56	229.90	351.28	170.69	191.97
CRMS 0162	165.54	109.20	187.10	212.50	221.43	110.46	51.65	179.33	462.16	548.27	426.27	419.20

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	24.51	34.43	29.64	26.64	34.13	27.66	15.29	18.13	34.32	40.14	35.83	32.27
CRMS0276 - Just east of Wilkinson Canal	94.04	64.96	48.57	45.02	60.24	48.15	67.75	82.82	83.64	121.56	90.17	99.40
Barataria Waterway at Lafitte (USACE82875)	84.46	10.49	5.44	7.70	22.37	7.90	37.83	71.83	138.57	200.00	49.32	104.74
USGS2928590900040000 Barataria Waterway South of Lafitte	33.96	49.64	43.45	30.27	42.18	31.20	20.78	25.37	59.60	64.53	54.91	44.95
USGS7380251 Barataria Bay North of Grand Isle	18.01	16.53	11.61	17.46	21.21	18.45	10.19	10.43	13.64	18.63	24.69	22.07
USGS73802515 Hackberry Bay Northwest of Grand Isle	50.04	53.09	45.11	34.78	36.20	35.75	37.19	55.40	59.33	63.54	68.07	51.23
USGS 07380335 - Little Lake Near Cutoff	63.03	62.26	54.50	42.85	44.78	42.86	53.66	77.20	77.70	78.29	77.01	61.21
USGS073802516 Barataria Pass at Grand Isle	46.79	51.59	43.20	39.56	40.10	46.90	46.07	64.97	56.11	61.17	60.59	49.57
HWQ14 - Lake Washington	25.86	25.67	17.72	20.96	21.24	23.12	15.82	24.78	23.00	29.70	40.77	30.18
HWQ16 - Bayou Grand Liard	56.57	63.12	58.04	59.13	64.33	67.15	69.95	74.83	65.15	54.64	53.91	49.47
CRMS 3985	9.66	4.78	0.47	10.00	14.93	13.80	6.51	4.78	6.35	9.38	13.10	12.91
CRMS 0258	58.25	59.45	52.53	34.10	48.27	32.02	28.79	39.19	67.33	94.70	100.25	71.43
CRMS 0224	54.95	63.96	56.68	39.25	50.09	36.70	36.33	54.96	74.86	85.31	86.11	62.77
CRMS 0163	70.76	12.72	7.80	29.07	15.46	12.19	24.65	35.74	159.68	208.74	60.03	104.26
CRMS 0162	43.19	18.67	14.08	35.31	39.81	27.82	32.74	68.24	140.92	137.39	-0.34	72.93

Figure WQ SO4 239 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2010 hydrograph, cycle 5, HYST Sediment Curve

V3PR1 HYST - cy 5 - 2011 (FWOP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	158.83	223.79	174.63	94.78	81.37	70.62	70.65	84.01	143.46	134.98	204.05	205.38
CRMS0276 - Just east of Wilkinson Canal	288.11	327.71	165.31	66.03	41.93	34.13	124.67	244.44	274.53	386.09	404.15	193.99
Barataria Waterway at Lafitte (USACE82875)	137.91	123.91	26.04	15.13	15.39	11.75	25.84	66.29	94.97	164.74	185.36	27.15
USGS2928590900040000 Barataria Waterway South of Lafitte	180.82	263.18	216.76	77.81	64.23	55.14	76.75	104.57	183.32	178.08	271.65	251.22
USGS7380251 Barataria Bay North of Grand Isle	129.56	161.20	121.64	108.51	101.68	88.49	61.82	58.04	73.45	81.12	137.92	144.55
USGS73802515 Hackberry Bay Northwest of Grand Isle	306.39	315.68	242.71	141.49	125.80	103.72	123.74	223.76	205.37	250.08	373.61	307.91
USGS 07380335 - Little Lake Near Cutoff	375.77	362.19	276.58	151.23	129.75	94.96	155.71	303.34	276.99	342.34	442.43	337.97
USGS073802516 Barataria Pass at Grand Isle	354.73	361.99	268.76	185.86	172.80	136.88	180.75	308.65	249.31	297.32	387.42	344.16
HWQ14 - Lake Washington	201.46	224.79	162.19	144.06	147.52	118.88	93.85	135.56	125.79	130.26	214.40	225.95
HWQ16 - Bayou Grand Liard	546.81	515.43	388.39	270.92	214.14	193.80	376.29	512.59	471.95	556.32	582.62	447.75
CRMS 3985	91.41	111.67	86.49	102.01	100.91	88.51	52.02	40.52	47.37	55.75	86.78	100.41
CRMS 0258	218.24	288.76	223.31	56.87	40.98	33.48	71.41	131.87	169.59	256.41	381.09	231.89
CRMS 0224	272.84	312.50	254.42	90.21	70.62	62.67	101.82	192.53	209.02	267.29	394.55	291.88
CRMS 0163	110.74	128.28	21.11	18.69	12.71	13.83	28.62	70.95	84.95	189.10	103.43	20.90
CRMS 0162	261.41	421.07	188.50	150.40	97.09	44.54	18.49	137.30	383.95	499.53	422.51	105.67

V3PR9 HYST - cy 5 - 2011 (FWP)												
	monthly average SO4 (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	181.78	240.42	171.93	112.02	108.72	86.73	81.02	95.37	167.62	167.71	225.34	230.03
CRMS0276 - Just east of Wilkinson Canal	360.67	283.35	190.97	111.89	73.46	58.26	175.83	295.45	356.42	493.84	500.95	287.39
Barataria Waterway at Lafitte (USACE82875)	173.04	119.72	40.34	26.83	26.72	13.67	52.73	122.15	271.44	392.71	255.48	46.65
USGS2928590900040000 Barataria Waterway South of Lafitte	215.63	273.60	209.05	103.28	95.36	70.24	90.52	121.14	236.30	240.35	312.05	293.77
USGS7380251 Barataria Bay North of Grand Isle	142.88	178.54	124.98	111.08	116.31	102.16	68.78	63.54	77.48	90.14	148.32	155.67
USGS73802515 Hackberry Bay Northwest of Grand Isle	355.78	325.99	240.16	163.82	156.06	126.35	150.60	259.16	254.49	312.60	426.70	360.98
USGS 07380335 - Little Lake Near Cutoff	436.92	360.31	276.91	183.91	166.88	120.17	196.85	349.49	343.01	417.99	509.28	404.28
USGS073802516 Barataria Pass at Grand Isle	403.59	368.84	266.22	211.02	209.25	168.15	216.27	348.12	291.63	351.59	434.94	397.04
HWQ14 - Lake Washington	224.53	241.76	160.20	145.99	164.95	137.59	104.91	151.30	136.48	152.37	239.39	248.34
HWQ16 - Bayou Grand Liard	601.21	486.54	404.31	322.09	267.26	238.56	436.20	553.56	525.20	601.09	635.28	515.48
CRMS 3985	96.35	125.09	91.00	96.82	108.55	98.97	56.45	40.41	44.39	54.33	84.96	101.84
CRMS 0258	278.93	269.07	215.48	90.57	69.97	45.70	90.41	158.24	240.78	349.31	472.45	303.58
CRMS 0224	330.07	304.83	247.84	125.42	106.10	80.43	127.28	228.59	280.74	352.75	466.50	362.02
CRMS 0163	141.94	126.14	31.92	48.18	15.36	21.57	45.87	97.75	316.22	424.61	165.71	34.49
CRMS 0162	304.60	308.80	194.45	181.85	123.86	60.13	51.86	217.46	534.44	598.78	428.76	171.58

Difference (FWP-FWOP)												
	monthly average SO4 difference (mg/l)											
Station Name	January	February	March	April	May	June	July	August	September	October	November	December
HWQ-08- At the Outfall	22.95	16.63	-2.71	17.24	27.35	16.11	10.37	11.36	24.16	32.73	21.29	24.65
CRMS0276 - Just east of Wilkinson Canal	72.57	-44.36	25.66	45.86	31.52	24.13	51.16	51.01	81.89	107.75	96.80	93.40
Barataria Waterway at Lafitte (USACE82875)	35.13	-4.18	14.30	11.71	11.33	1.92	26.89	55.86	176.47	227.97	70.13	19.51
USGS2928590900040000 Barataria Waterway South of Lafitte	34.81	10.41	-7.71	25.46	31.13	15.09	13.77	16.57	52.99	62.28	40.39	42.54
USGS7380251 Barataria Bay North of Grand Isle	13.33	17.34	3.34	2.57	14.62	13.67	6.96	5.50	4.03	9.01	10.41	11.13
USGS73802515 Hackberry Bay Northwest of Grand Isle	49.40	10.31	-2.54	22.32	30.26	22.63	26.87	35.40	49.12	62.52	53.09	53.07
USGS 07380335 - Little Lake Near Cutoff	61.15	-1.88	0.33	32.69	37.12	25.21	41.13	46.15	66.02	75.65	66.85	66.31
USGS073802516 Barataria Pass at Grand Isle	48.86	6.85	-2.54	25.16	36.45	31.28	35.52	39.47	42.32	54.27	47.52	52.88
HWQ14 - Lake Washington	23.08	16.96	-2.00	1.93	17.43	18.71	11.06	15.74	10.68	22.11	24.99	22.39
HWQ16 - Bayou Grand Liard	54.40	-28.89	15.92	51.17	53.12	44.77	59.91	40.97	53.25	44.77	52.65	67.74
CRMS 3985	4.94	13.42	4.51	-5.20	7.65	10.45	4.43	-0.10	-2.97	-1.42	-1.82	1.43
CRMS 0258	60.68	-19.69	-7.83	33.70	28.99	12.22	19.01	26.36	71.19	92.90	91.35	71.69
CRMS 0224	57.23	-7.67	-6.57	35.21	35.48	17.76	25.46	36.07	71.72	85.46	71.96	70.15
CRMS 0163	31.20	-2.14	10.81	29.49	2.65	7.74	17.25	26.80	231.27	235.51	62.28	13.59
CRMS 0162	43.19	-112.27	5.95	31.45	26.78	15.59	33.37	80.15	150.49	99.25	6.26	65.91

Figure WQ SO4 240 - Monthly Average SO4 (mg/L) for No Action and No Action + Foreseeable Projects Alternative for 2011 hydrograph, cycle 5, HYST Sediment Curve